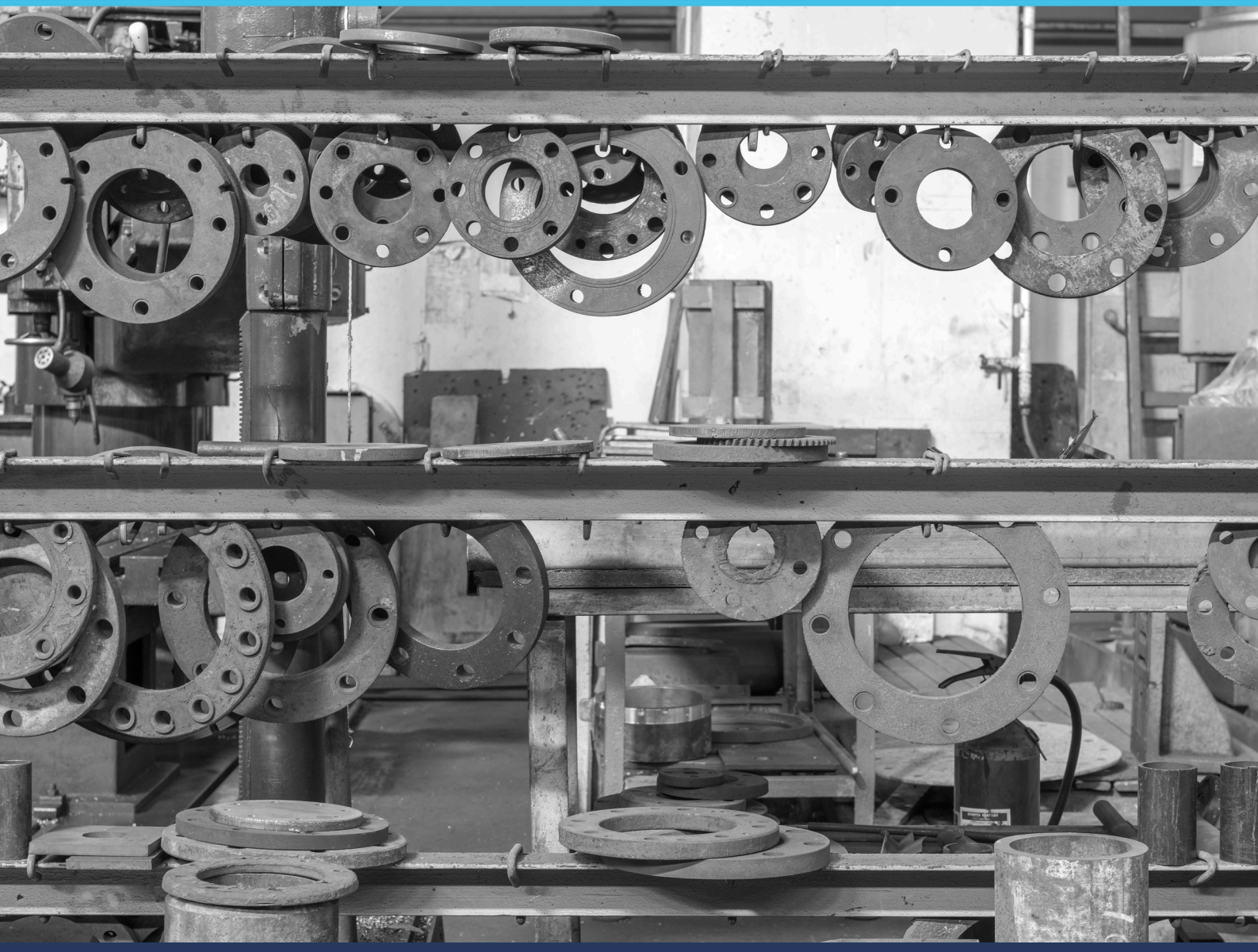
SAMVEA CATALOG



INDUSTRIAL PARTS

PIPING, EQUIPMENT & COMPONENTS

CATALOG GUIDE

SDS component libraries

Illustrated families and complete dimension tables for implemented SDS catalog variants.

Structural profiles	**3**
Pipes and fittings	**245**
Flanges and connections	**524**
Valves	**583**
Equipment and attachments	**584**
Access components	**586**
Source review and reference entries	**587**
Reusable catalog layouts	**714**
Alphabetical company index	**722**

Product families - catalogue extension

Existing coverage is linked below; other families are planned for future catalogue development.

- * **F01** Pipes, tubes and tubular products
- * **F02** Fittings, flanges and fasteners
- * **F03** Valves, actuators and flow control
- * **F04** Pumps, compressors and fluid power
- **F05** Seals, gaskets, hoses and expansion joints
- * **F06** Structural steel, supports, buildings and metal stock
- * **F07** Process equipment, vessels and packaged systems
- **F08** Heat transfer, heating, cooling and HVAC
- **F09** Drilling, well completion and oilfield equipment
- **F10** Instrumentation, metrology, inspection and monitoring
- **F11** Electrical power, cables, lighting and enclosures
- **F12** Automation, communications, robotics and electronics
- **F13** Mechanical drives, tools and manufacturing machinery
- **F14** Lifting, handling, marine and offshore equipment
- **F15** Fire protection, gas safety and protective equipment
- **F16** Chemicals, coatings, polymers and consumable materials
- **F17** Filtration, separation and water treatment

* Some coverage exists in the current SDS chapters; other families are future sections.

Every catalog variant

2,145 structural profiles and 4,714 drawable piping variants now use the Dimensions and variants layout. A typical native library drawing is followed by the complete family size tables.

All 505 review records and 849 reference records appear in a separate register. Missing values stay empty (--); source labels and display limitations are retained. Values are displayed to seven significant digits.

The attached CSV files contain full-precision dimensions, identities and original piping source fields. They are also available as a separate download. The eight fillable layouts and 957-company index are preserved.

Download complete dimension tables (CSV ZIP)

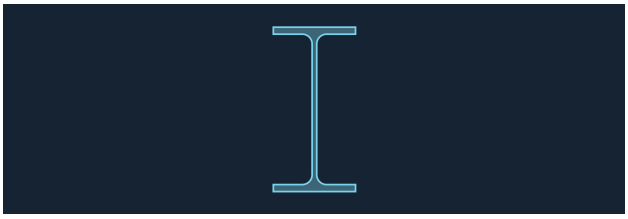
Family and variant tables are nominal SDS library data. Company-index inclusion does not imply a supplier relationship or a match to the illustrated components.

01 / STRUCTURAL PROFILES

Section gallery 01

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

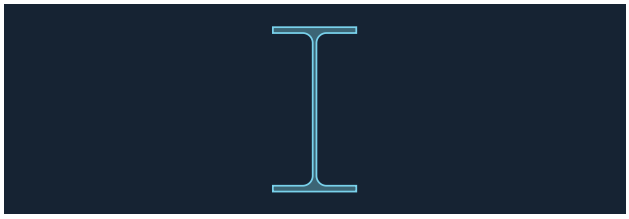
IPE



IPE 200
H 200 | B 100 | EA 5.6 | ES 8.5
26 library sizes | 22.36 kg/m

Beam catalog ID 21891; row 716

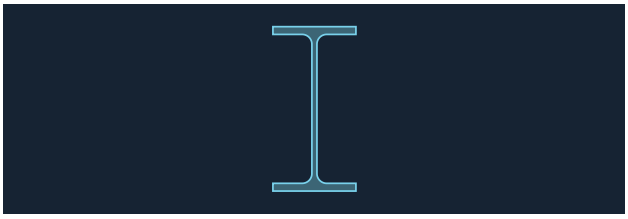
IPEA



IPE A 200
H 197 | B 100 | EA 4.5 | ES 7
18 library sizes | 18.4248 kg/m

Beam catalog ID 21917; row 742

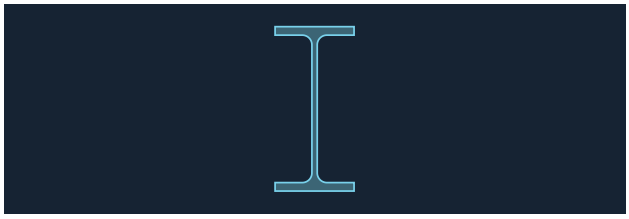
IPEO



IPE O 200
H 202 | B 102 | EA 6.2 | ES 9.5
13 library sizes | 25.0903 kg/m

Beam catalog ID 21931; row 756

IPER



IPE R 200
H 204 | B 98 | EA 6.6 | ES 10.5
15 library sizes | 26.6069 kg/m

Beam catalog ID 21946; row 771

IPEV



IPE V 400
H 408 | B 182 | EA 10.6 | ES 17.5
5 library sizes | 84.0135 kg/m

Beam catalog ID 21958; row 783

IPN



IPN 200
H 200 | B 90 | EA 7.5 | ES 11.3
23 library sizes | 26.2524 kg/m

Beam catalog ID 21968; row 793

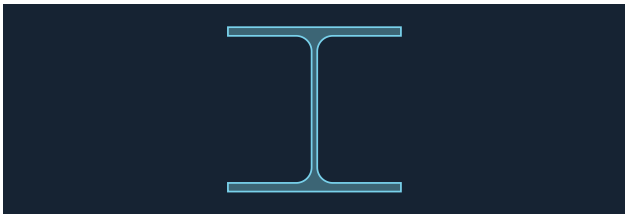
H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

01 / STRUCTURAL PROFILES

Section gallery 02

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

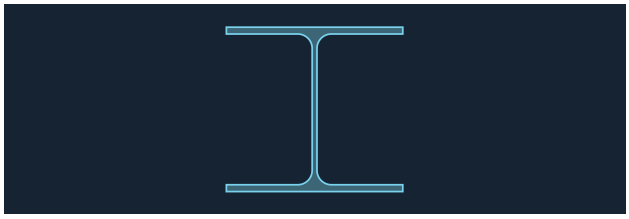
HEA



HE 200 A
H 190 | B 200 | EA 6.5 | ES 10
25 library sizes | 42.2575 kg/m

Beam catalog ID 21738; row 563

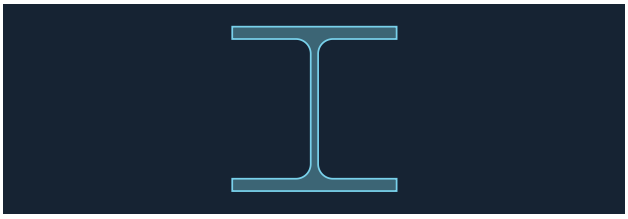
HEAA



HE 220 AA
H 205 | B 220 | EA 6 | ES 8.5
24 library sizes | 40.3971 kg/m

Beam catalog ID 21743; row 568

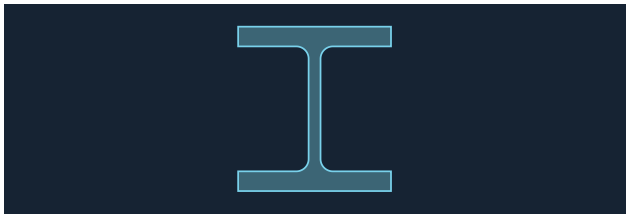
HEB



HE 200 B
H 200 | B 200 | EA 9 | ES 15
25 library sizes | 61.2938 kg/m

Beam catalog ID 21740; row 565

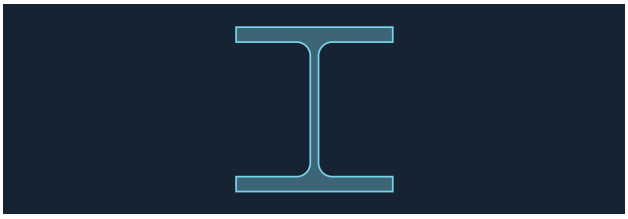
HEM



HE 180 M
H 200 | B 186 | EA 14.5 | ES 24
25 library sizes | 88.9024 kg/m

Beam catalog ID 21737; row 562

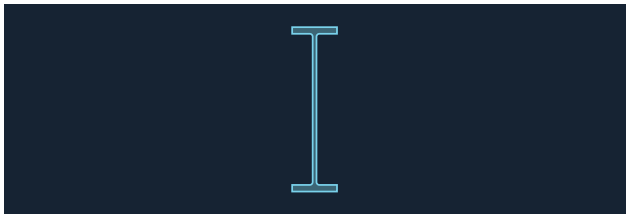
HEC



HE 300 C
H 320 | B 305 | EA 16 | ES 29
1 library sizes | 176.686 kg/m

Beam catalog ID 21761; row 586

HER



HE 1100 R
H 1118 | B 305 | EA 26 | ES 45
1 library sizes | 427.993 kg/m

Beam catalog ID 21721; row 546

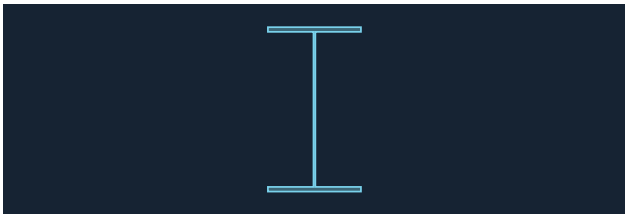
H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

01 / STRUCTURAL PROFILES

Section gallery 03

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

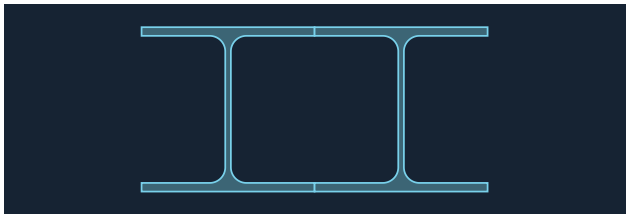
PRS



PRS 500x15
H 530 | B 300 | EA 6 | ES 15
54 library sizes | 92.4102 kg/m

Beam catalog ID 22846; row 1678

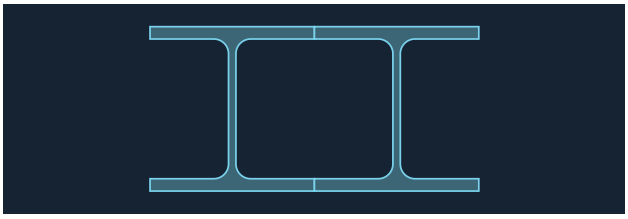
HHEA



HHE 200 A
H 190 | B 400 | EA 6.5 | ES 10
19 library sizes | 84.515 kg/m

Beam catalog ID 21826; row 651

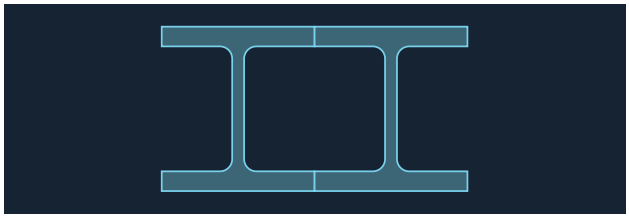
HHEB



HHE 200 B
H 200 | B 400 | EA 9 | ES 15
19 library sizes | 122.588 kg/m

Beam catalog ID 21827; row 652

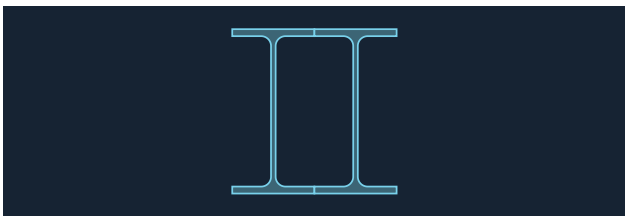
HHEM



HHE 180 M
H 200 | B 372 | EA 14.5 | ES 24
19 library sizes | 177.805 kg/m

Beam catalog ID 21825; row 650

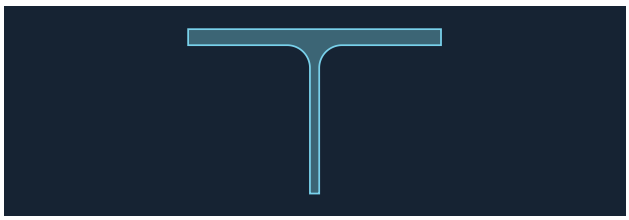
IIPE



IIPE 200
H 200 | B 200 | EA 5.6 | ES 8.5
18 library sizes | 44.72 kg/m

Beam catalog ID 21874; row 699

MHEA



MHE 400 A
H 195 | B 300 | EA 11 | ES 19
19 library sizes | 62.3988 kg/m

Beam catalog ID 22028; row 853

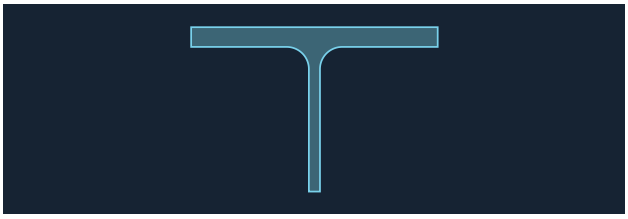
H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

01 / STRUCTURAL PROFILES

Section gallery 04

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

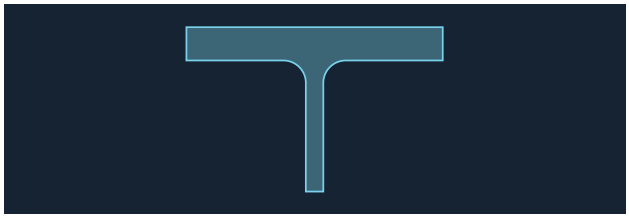
MHEB



MHE 400 B
H 200 | B 300 | EA 13.5 | ES 24
19 library sizes | 77.6278 kg/m

Beam catalog ID 22029; row 854

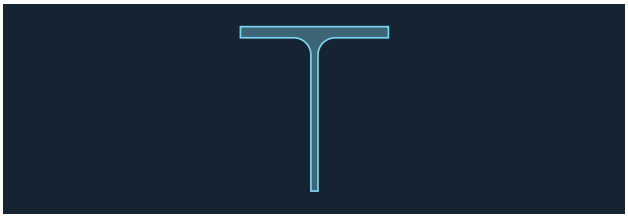
MHEM



MHE 360 M
H 197.5 | B 308 | EA 21 | ES 40
19 library sizes | 125.083 kg/m

Beam catalog ID 22027; row 852

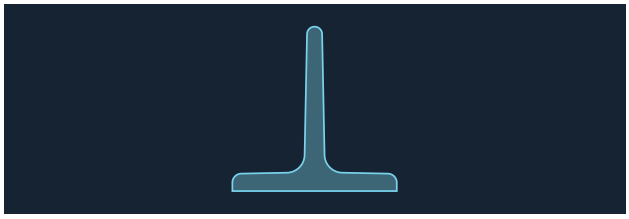
MIPE



MIPE 400
H 200 | B 180 | EA 8.6 | ES 13.5
18 library sizes | 33.152 kg/m

Beam catalog ID 22055; row 880

TEAE



TEAE 100x11
H 100 | B 100 | EA 11 | ES 11
7 library sizes | 16.4065 kg/m

Beam catalog ID 23013; row 1845

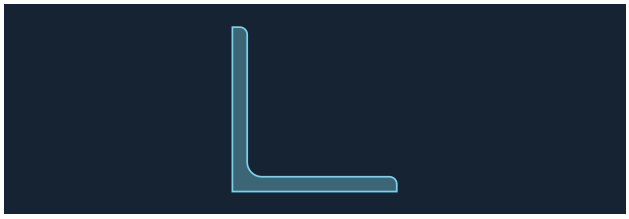
TEAI



TEAI 40x5
H 45 | B 40 | EA 5 | ES 5
4 library sizes | 3.14785 kg/m

Beam catalog ID 23023; row 1855

CAE



CAE 200x18
H 200 | B 200 | EA 18 | ES 18
51 library sizes | 54.2495 kg/m

Beam catalog ID 21195; row 18

H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

01 / STRUCTURAL PROFILES

Section gallery 05

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

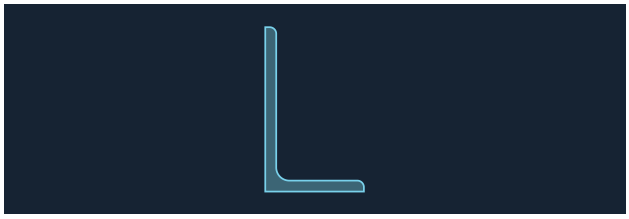
CAEP



CAEP 200x18
H 200 | B 200 | EA 18 | ES 18
51 library sizes | 54.2495 kg/m

Beam catalog ID 21246; row 69

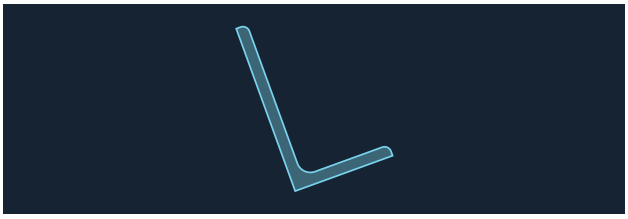
CAI



CAI 150x90x10
H 150 | B 90 | EA 10 | ES 10
23 library sizes | 18.1763 kg/m

Beam catalog ID 21285; row 108

CAIP



CAIP 150x90x10
H 150 | B 90 | EA 10 | ES 10
21 library sizes | 18.2 kg/m

Beam catalog ID 21306; row 131

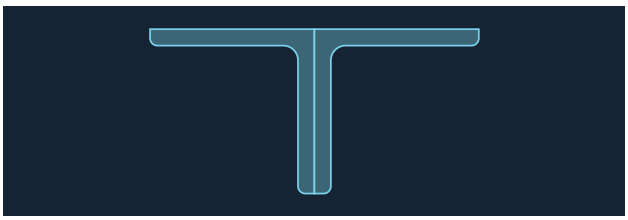
DCEC



DCEC 100
H 200 | B 200 | EA 10 | ES 10
86 library sizes | 30.0726 kg/m

Beam catalog ID 21352; row 177

DCED



DCED 200
H 200 | B 400 | EA 20 | ES 20
86 library sizes | 119.866 kg/m

Beam catalog ID 21466; row 291

DCEP



DCEP 100
H 200 | B 200 | EA 10 | ES 10
86 library sizes | 30.1 kg/m

Beam catalog ID 21524; row 349

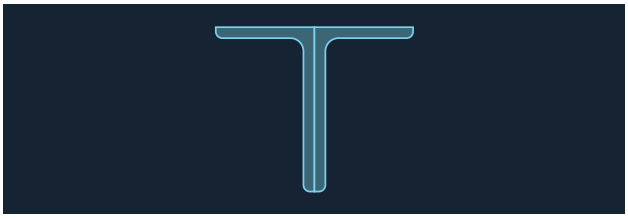
H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

01 / STRUCTURAL PROFILES

Section gallery 06

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

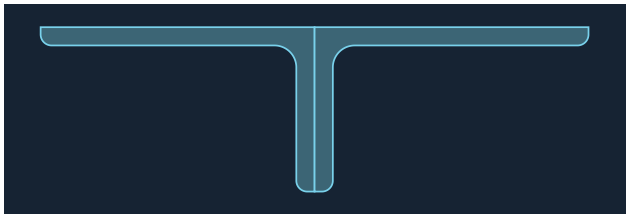
DCIG



DCIG 150
H 150 | B 180 | EA 10 | ES 10
50 library sizes | 36.3526 kg/m

Beam catalog ID 21619; row 444

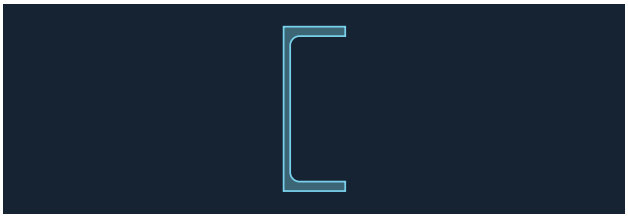
DCIP



DCIP 150
H 90 | B 300 | EA 10 | ES 10
50 library sizes | 36.3526 kg/m

Beam catalog ID 21669; row 494

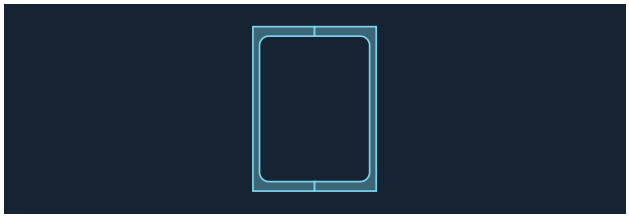
UAP



UAP 200
H 200 | B 75 | EA 8 | ES 11.5
10 library sizes | 25.1024 kg/m

Beam catalog ID 23204; row 2041

UAPP



UAPP 200
H 200 | B 150 | EA 8 | ES 11.5
10 library sizes | 50.2048 kg/m

Beam catalog ID 23214; row 2051

UPAF



UPAF 80x200x5
H 200 | B 80 | EA 5 | ES 5
22 library sizes | 13.478 kg/m

Beam catalog ID 23240; row 2077

UPE



UPE 200
H 200 | B 80 | EA 6 | ES 11
14 library sizes | 22.8 kg/m

Beam catalog ID 23247; row 2084

H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

01 / STRUCTURAL PROFILES

Section gallery 07

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

UPN



UPN 200
H 200 | B 75 | EA 8.5 | ES 11.5
28 library sizes | 25.1378 kg/m

Beam catalog ID 23261; row 2098

UUAP



UUAP 200
H 200 | B 150 | EA 8 | ES 11.5
10 library sizes | 50.2 kg/m

Beam catalog ID 23288; row 2125

UUPN



UUPN 200
H 200 | B 150 | EA 8.5 | ES 11.5
16 library sizes | 50.2755 kg/m

Beam catalog ID 23299; row 2136

PLAT



PLAT 160x80
H 80 | B 160 | EA 80 | ES 0
756 library sizes | 100.48 kg/m

Beam catalog ID 22216; row 1041

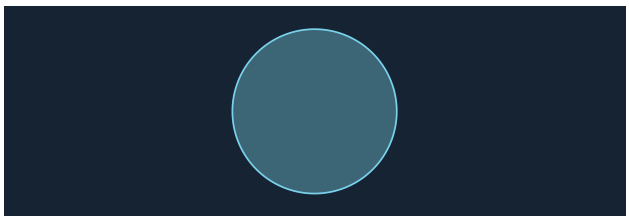
CARR



CARR 120
H 120 | B 120 | EA 60 | ES 0
29 library sizes | 113 kg/m

Beam catalog ID 21327; row 152

ROND



ROND 200
H 200 | B 200 | EA 100 | ES 0
57 library sizes | 247 kg/m

Beam catalog ID 22884; row 1716

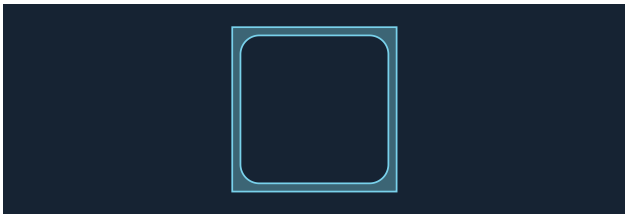
H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

01 / STRUCTURAL PROFILES

Section gallery 08

Constant-section profiles from the SDS beam library. Dimensions are in mm; each image uses the same contour recipe as the library preview.

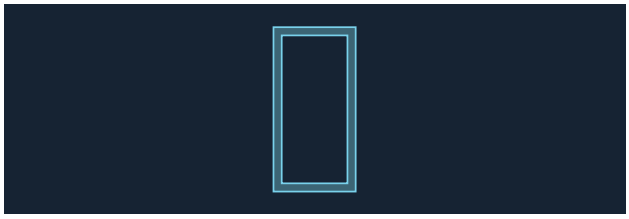
TCAR



TCAR 200x10
H 200 | B 200 | EA 10 | ES 10
Nominal contour: area difference 10.5%

Beam catalog ID 22954; row 1786

TREC



TREC 200x100x10
H 200 | B 100 | EA 10 | ES 10
Nominal contour: area difference 5.8%

Beam catalog ID 23068; row 1900

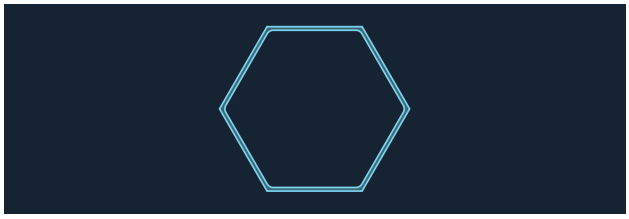
TRON



TRON 219x4,5
H 219.1 | B 219.1 | EA 4.5 | ES 4.5
76 library sizes | 23.8156 kg/m

Beam catalog ID 23146; row 1983

THEX



THEX 147x3,2
H 147 | B 170 | EA 3.2 | ES 3.2
Nominal contour: area difference 2.8%

Beam catalog ID 23030; row 1862

H = height; B = width; EA/ES = source web or wall / flange fields. Nominal library contours; hollow-section radius and area differences are retained from SDS.

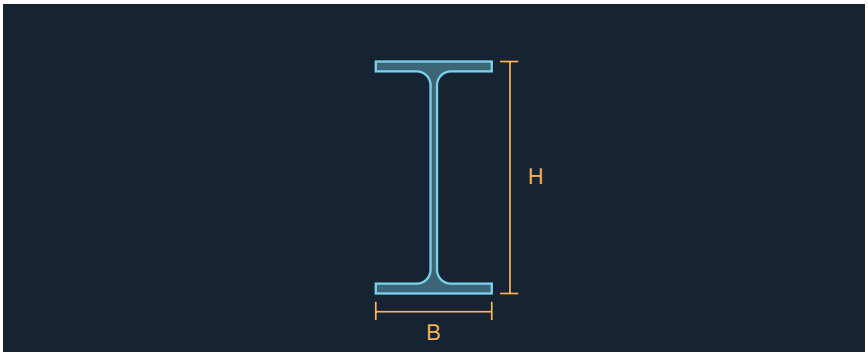
01 / STRUCTURAL PROFILES

Dimensions and variants

IPE

1/3

26 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE 80	80	46	3.8	5.2	5	0	0
IPE 100	100	55	4.1	5.7	7	0	0
IPE 120	120	64	4.4	6.3	7	0	0
IPE 140	140	73	4.7	6.9	7	0	0
IPE 160	160	82	5	7.4	9	0	0
IPE 180	180	91	5.3	8	9	0	0
IPE 200	200	100	5.6	8.5	12	0	0
IPE 220	220	110	5.9	9.2	12	0	0
IPE 240	240	120	6.2	9.8	15	0	0
IPE 270	270	135	6.6	10.2	15	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21911	736	23	23	40	40	0	764.34	6.00007
21886	711	27.5	27.5	50	50	0	1032.32	8.10373
21887	712	32	32	60	60	0	1321.02	10.37
21888	713	36.5	36.5	70	70	0	1642.6	12.8944
21889	714	41	41	80	80	0	2009.13	15.7717
21890	715	45.5	45.5	90	90	0	2394.73	18.7986
21891	716	50	50	100	100	0	2848.41	22.36
21892	717	55	55	110	110	0	3337.05	26.1958
21893	718	60	60	120	120	0	3911.62	30.7062
21894	719	67.5	67.5	135	135	0	4594.5	36.0668

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

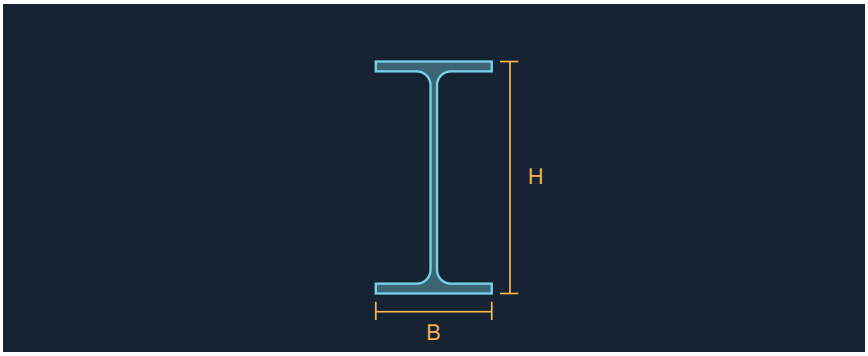
01 / STRUCTURAL PROFILES

Dimensions and variants

IPE

2/3

26 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE 300	300	150	7.1	10.7	15	0	0
IPE 330	330	160	7.5	11.5	18	0	0
IPE 360	360	170	8	12.7	18	0	0
IPE 400	400	180	8.6	13.5	21	0	0
IPE 450	450	190	9.4	14.6	21	0	0
IPE 500	500	200	10.2	16	21	0	0
IPE 550	550	210	11.1	17.2	24	0	0
IPE 600	600	220	12	19	24	0	0
IPE 750137	753	263	11.5	17	17	0	0
IPE 750147	753	265	13.2	17	17	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21895	720	75	75	150	150	0	5381.2	42.2424
21896	721	80	80	165	165	0	6260.62	49.1459
21897	722	85	85	180	180	0	7272.92	57.0925
21898	723	90	90	200	200	0	8446.36	66.3039
21899	724	95	95	225	225	0	9882.08	77.5743
21900	725	100	100	250	250	0	11552.2	90.6844
21901	726	105	105	275	275	0	13441.6	105.517
21902	727	110	110	300	300	0	15598.4	122.448
21903	728	131.5	131.5	376.5	376.5	0	17458.6	137.05
21904	729	132.5	132.5	376.5	376.5	0	18748.9	147.179

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

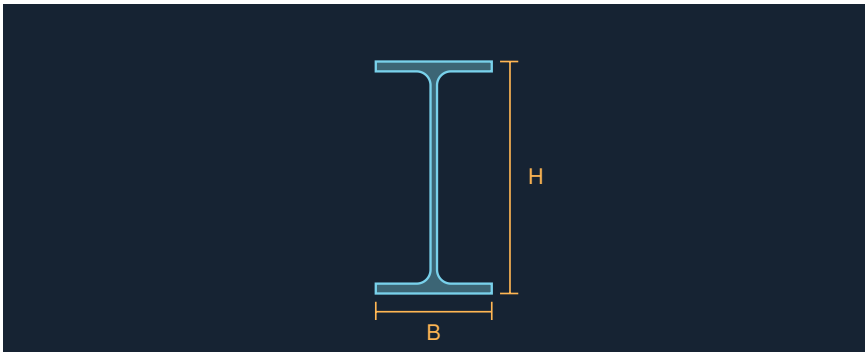
01 / STRUCTURAL PROFILES

Dimensions and variants

IPE

3/3

26 catalog variants / entries 21-26. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE 750161	758	266	13.8	19.3	17	0	0
IPE 750173	762	267	14.4	21.6	17	0	0
IPE 750185	766	267	14.9	23.6	17	0	0
IPE 750196	770	268	15.6	25.4	17	0	0
IPE 750210	775	268	16	28	17	0	0
IPE 750222	778	269	17	29.5	17	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21905	730	133	133	379	379	0	20443.4	160.481
21906	731	133.5	133.5	381	381	0	22133.2	173.746
21907	732	133.5	133.5	383	383	0	23560.6	184.951
21908	733	134	134	385	385	0	25082	196.894
21909	734	134	134	387.5	387.5	0	26760.1	210.067
21910	735	134.5	134.5	389	389	0	28342.1	222.485

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

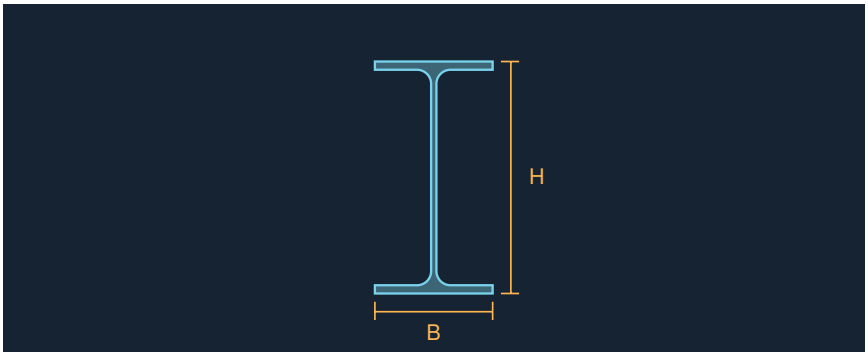
01 / STRUCTURAL PROFILES

Dimensions and variants

IPEA

1/2

18 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE A 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE A 80	78	40	3.3	4.2	5	0	0
IPE A 100	98	50	3.6	4.7	7	0	0
IPE A 120	117.6	64	3.8	5.1	7	0	0
IPE A 140	137.4	73	3.8	5.6	7	0	0
IPE A 160	157	82	4	5.9	9	0	0
IPE A 180	177	91	4.3	6.5	9	0	0
IPE A 200	197	100	4.5	7	12	0	0
IPE A 220	217	110	5	7.7	12	0	0
IPE A 240	237	120	5.2	8.3	15	0	0
IPE A 270	267	135	5.5	8.7	15	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21929	754	20	20	39	39	0	587.14	4.60905
21912	737	25	25	49	49	0	831.022	6.52352
21913	738	32	32	58.8	58.8	0	1102.98	8.65841
21914	739	36.5	36.5	68.7	68.7	0	1339.22	10.5129
21915	740	41	41	78.5	78.5	0	1620	12.7
21916	741	45.5	45.5	88.5	88.5	0	1957.73	15.3682
21917	742	50	50	98.5	98.5	0	2347.11	18.4248
21918	743	55	55	108.5	108.5	0	2825.61	22.181
21919	744	60	60	118.5	118.5	0	3331.22	26.1501
21920	745	67.5	67.5	133.5	133.5	0	3914.94	30.7323

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

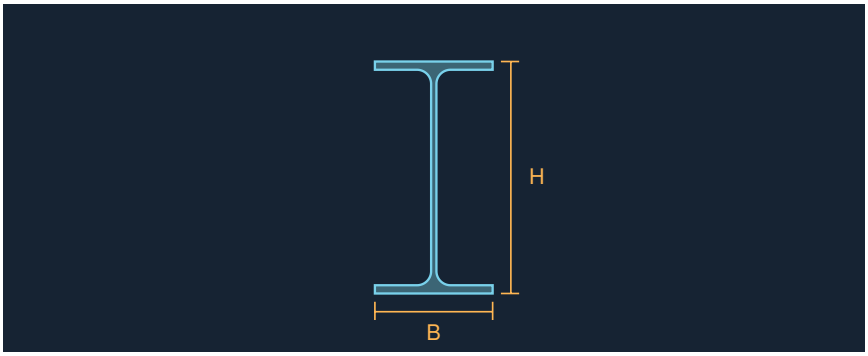
01 / STRUCTURAL PROFILES

Dimensions and variants

IPEA

2/2

18 catalog variants / entries 11-18. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE A 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE A 300	297	150	6.1	9.2	15	0	0
IPE A 330	327	160	6.5	10	18	0	0
IPE A 360	357.6	170	6.6	11.5	18	0	0
IPE A 400	397	180	7	12	21	0	0
IPE A 450	447	190	7.6	13.1	21	0	0
IPE A 500	497	200	8.4	14.5	21	0	0
IPE A 550	547	210	9	15.7	24	0	0
IPE A 600	597	220	9.8	17.5	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21921	746	75	75	148.5	148.5	0	4652.6	36.5229
21922	747	80	80	163.5	163.5	0	5473.62	42.9679
21923	748	85	85	178.8	178.8	0	6396.48	50.2124
21924	749	90	90	198.5	198.5	0	7309.56	57.38
21925	750	95	95	223.5	223.5	0	8554.64	67.1539
21926	751	100	100	248.5	248.5	0	10109.8	79.3616
21927	752	105	105	273.5	273.5	0	11728.8	92.0714
21928	753	110	110	298.5	298.5	0	13702	107.561

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

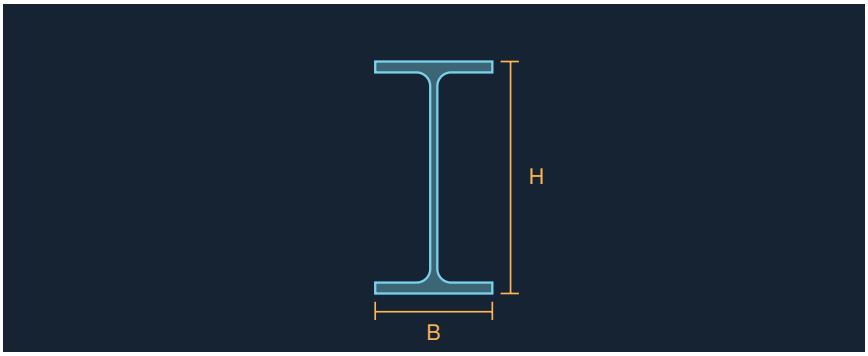
01 / STRUCTURAL PROFILES

Dimensions and variants

IPEO

1/2

13 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE O 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE O 180	182	92	6	9	9	0	0
IPE O 200	202	102	6.2	9.5	12	0	0
IPE O 220	222	112	6.6	10.2	12	0	0
IPE O 240	242	122	7	10.8	15	0	0
IPE O 270	274	136	7.5	12.2	15	0	0
IPE O 300	304	152	8	12.7	15	0	0
IPE O 330	334	162	8.5	13.5	18	0	0
IPE O 360	364	172	9.2	14.7	18	0	0
IPE O 400	404	182	9.7	15.5	21	0	0
IPE O 450	456	192	11	17.6	21	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21930	755	46	46	91	91	0	2709.53	21.2698
21931	756	51	51	101	101	0	3196.21	25.0903
21932	757	56	56	111	111	0	3738.97	29.3509
21933	758	61	61	121	121	0	4371.14	34.3135
21934	759	68	68	137	137	0	5383.54	42.2608
21935	760	76	76	152	152	0	6282.74	49.3195
21936	761	81	81	167	167	0	7261.62	57.0037
21937	762	86	86	182	182	0	8413.24	66.044
21938	763	91	91	202	202	0	9638.66	75.6635
21939	764	96	96	228	228	0	11765.8	92.3612

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

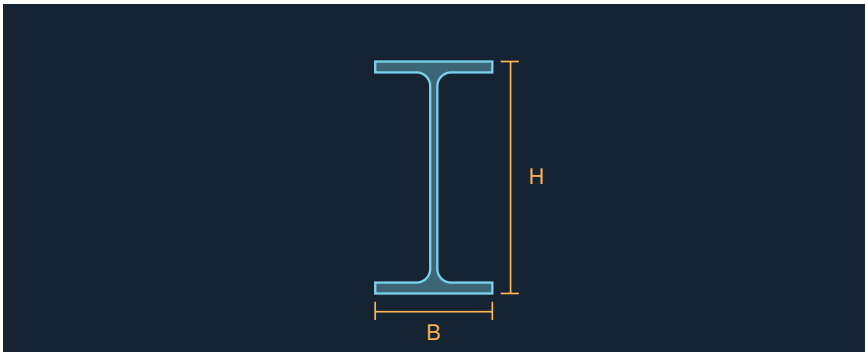
01 / STRUCTURAL PROFILES

Dimensions and variants

IPEO

2/2

13 catalog variants / entries 11-13. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE O 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE O 500	506	202	12	19	21	0	0
IPE O 550	556	212	12.7	20.2	24	0	0
IPE O 600	610	224	15	24	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21940	765	101	101	253	253	0	13670.6	107.314
21941	766	106	106	278	278	0	15607.4	122.518
21942	767	112	112	305	305	0	19676.4	154.46

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

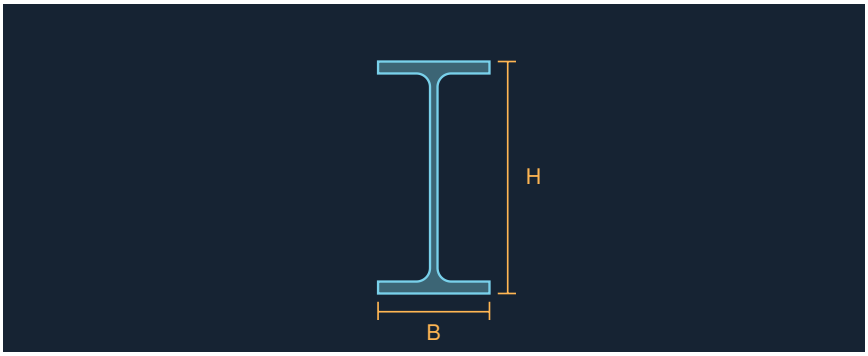
01 / STRUCTURAL PROFILES

Dimensions and variants

IPER

1/2

15 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: IPE R 200

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE R 140	142	72	5.3	7.8	7	0	0
IPE R 160	162	81	5.6	8.5	9	0	0
IPE R 180	183	89	6.4	9.5	9	0	0
IPE R 200	204	98	6.6	10.5	12	0	0
IPE R 220	225	108	6.7	11.8	12	0	0
IPE R 240	245	118	7.5	12.3	15	0	0
IPE R 270	276	133	7.7	13.1	15	0	0
IPE R 300	306	147	8.5	13.7	15	0	0
IPE R 330	336	158	9.2	14.5	18	0	0
IPE R 360	366	168	9.9	16	18	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21943	768	36	36	71	71	0	1835.18	14.4062
21944	769	40.5	40.5	81	81	0	2258.53	17.7295
21945	770	44.5	44.5	91.5	91.5	0	2810.13	22.0595
21946	771	49	49	102	102	0	3389.41	26.6069
21947	772	54	54	112.5	112.5	0	4021.79	31.5711
21948	773	59	59	122.5	122.5	0	4748.94	37.2792
21949	774	66.5	66.5	138	138	0	5601.2	43.9694
21950	775	73.5	73.5	153	153	0	6589.04	51.724
21951	776	79	79	168	168	0	7684.52	60.3235
21952	777	84	84	183	183	0	8960.72	70.3417

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

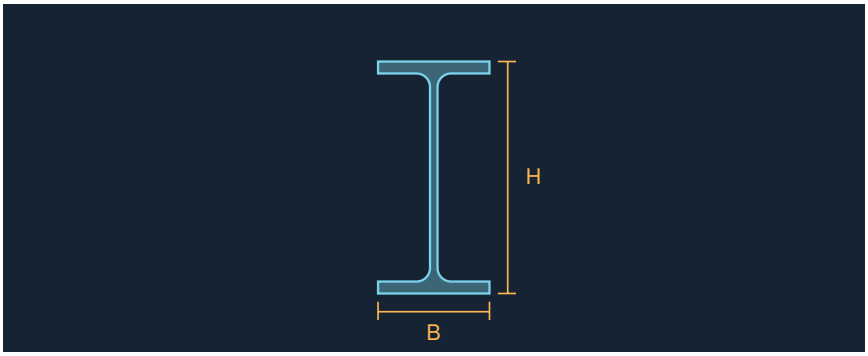
01 / STRUCTURAL PROFILES

Dimensions and variants

IPER

2/2

15 catalog variants / entries 11-15. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE R 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE R 400	407	178	10.6	17	21	0	0
IPE R 450	458	188	11.3	18.6	21	0	0
IPE R 500	508	198	12.6	20	21	0	0
IPE R 550	560	210	14	22.2	24	0	0
IPE R 600	608	218	14	23	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21953	778	89	89	203.5	203.5	0	10384.4	81.5172
21954	779	94	94	229	229	0	12127.2	95.1985
21955	780	99	99	254	254	0	14195.4	111.434
21956	781	105	105	280	280	0	17036.8	133.739
21957	782	109	109	304	304	0	18390.4	144.365

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

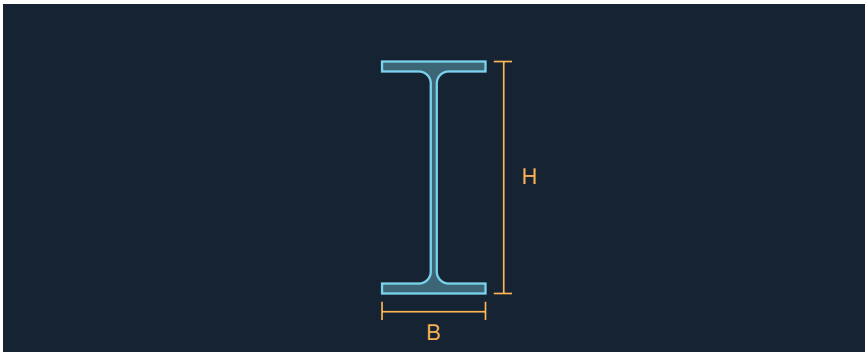
01 / STRUCTURAL PROFILES

Dimensions and variants

IPEV

1/1

5 catalog variants / entries 1-5. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPE V 400

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPE V 400	408	182	10.6	17.5	21	0	0
IPE V 450	460	194	12.4	19.6	21	0	0
IPE V 500	514	204	14.2	23	21	0	0
IPE V 550	566	216	17.1	25.2	24	0	0
IPE V 600	618	228	18	28	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21958	783	91	91	204	204	0	10702.4	84.0135
21959	784	97	97	230	230	0	13201.3	103.63
21960	785	102	102	257	257	0	16408.2	128.804
21961	786	108	108	283	283	0	20197.6	158.551
21962	787	114	114	309	309	0	23378.4	183.521

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

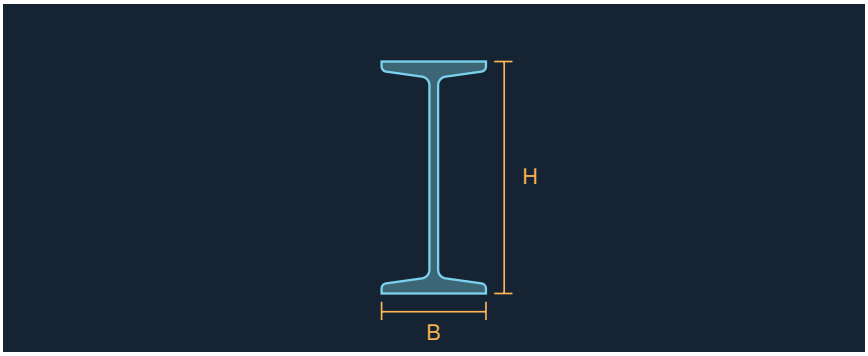
01 / STRUCTURAL PROFILES

Dimensions and variants

IPN

1/3

23 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPN 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPN 80	80	42	3.9	5.9	3.9	2.3	0
IPN 100	100	50	4.5	6.8	4.5	2.7	0
IPN 120	120	58	5.1	7.7	5.1	3.1	0
IPN 140	140	66	5.7	8.6	5.7	3.4	0
IPN 160	160	74	6.3	9.5	6.3	3.8	0
IPN 180	180	82	6.9	10.4	6.9	4.1	0
IPN 200	200	90	7.5	11.3	7.5	4.5	0
IPN 220	220	98	8.1	12.2	8.1	4.9	0
IPN 240	240	106	8.7	13.1	8.7	5.2	0
IPN 260	260	113	9.4	14.1	9.4	5.6	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21985	810	21	21	40	40	0	756.428	5.93796
21963	788	25	25	50	50	0	1061.72	8.33452
21964	789	29	29	60	60	0	1417.37	11.1264
21965	790	33	33	70	70	0	1823.66	14.3157
21966	791	37	37	80	80	0	2280.05	17.8984
21967	792	41	41	90	90	0	2787.12	21.8789
21968	793	45	45	100	100	0	3344.25	26.2524
21969	794	49	49	110	110	0	3951.74	31.0211
21970	795	53	53	120	120	0	4609.99	36.1885
21971	796	56.5	56.5	130	130	0	5333.88	41.871

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

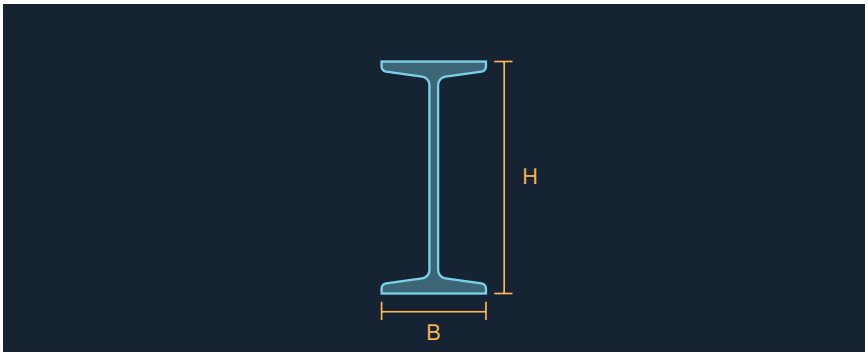
01 / STRUCTURAL PROFILES

Dimensions and variants

IPN

2/3

23 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPN 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPN 280	280	119	10.1	15.2	10.1	6.1	0
IPN 300	300	125	10.8	16.2	10.8	6.5	0
IPN 320	320	131	11.5	17.3	11.5	6.9	0
IPN 340	340	137	12.2	18.3	12.2	7.3	0
IPN 360	360	143	13	19.5	13	7.8	0
IPN 380	380	149	13.7	20.5	13.7	8.2	0
IPN 400	400	155	14.4	21.6	14.4	8.6	0
IPN 425	425	163	15.3	23	15.3	9.2	0
IPN 450	450	170	16.2	24.3	16.2	9.7	0
IPN 475	475	178	17.1	25.6	17.1	10.3	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21972	797	59.5	59.5	140	140	0	6101.85	47.8995
21973	798	62.5	62.5	150	150	0	6898.48	54.1531
21974	799	65.5	65.5	160	160	0	7767.95	60.9784
21975	800	68.5	68.5	170	170	0	8663.52	68.0086
21976	801	71.5	71.5	180	180	0	9691.23	76.0761
21977	802	74.5	74.5	190	190	0	10688.6	83.9051
21978	803	77.5	77.5	200	200	0	11762.9	92.339
21979	804	81.5	81.5	212.5	212.5	0	13216.6	103.75
21980	805	85	85	225	225	0	14676	115.206
21981	806	89	89	237.5	237.5	0	16261.7	127.655

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

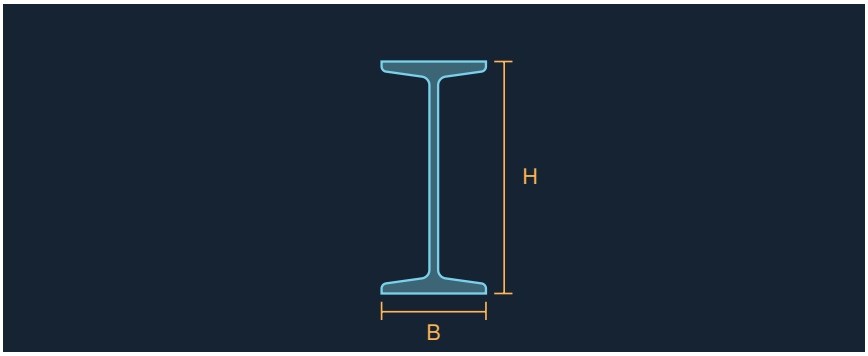
01 / STRUCTURAL PROFILES

Dimensions and variants

IPN

3/3

23 catalog variants / entries 21-23. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IPN 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IPN 500	500	185	18	27	18	10.8	0
IPN 550	550	200	19	30	19	11.9	0
IPN 600	600	215	21.6	32.4	21.6	13	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21982	807	92.5	92.5	250	250	0	17909.8	140.592
21983	808	100	100	275	275	0	21182.6	166.283
21984	809	107.5	107.5	300	300	0	25339.5	198.915

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

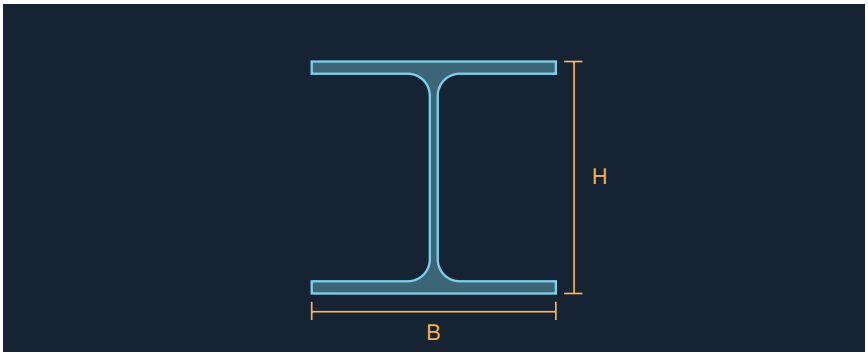
01 / STRUCTURAL PROFILES

Dimensions and variants

HEA

1/3

25 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 200 A

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 100 A	96	100	5	8	12	0	0
HE 120 A	114	120	5	8	12	0	0
HE 140 A	133	140	5.5	8.5	12	0	0
HE 160 A	152	160	6	9	15	0	0
HE 180 A	171	180	6	9.5	15	0	0
HE 200 A	190	200	6.5	10	18	0	0
HE 220 A	210	220	7	11	18	0	0
HE 240 A	230	240	7.5	12	21	0	0
HE 260 A	250	260	7.5	12.5	24	0	0
HE 280 A	270	280	8	13	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21710	535	50	50	48	48	0	2123.61	16.6703
21722	547	60	60	57	57	0	2533.61	19.8888
21726	551	70	70	66.5	66.5	0	3141.61	24.6616
21730	555	80	80	76	76	0	3877.14	30.4356
21734	559	90	90	85.5	85.5	0	4525.14	35.5224
21738	563	100	100	95	95	0	5383.12	42.2575
21742	567	110	110	105	105	0	6434.12	50.5079
21746	571	120	120	115	115	0	7683.56	60.3159
21750	575	130	130	125	125	0	8681.94	68.1533
21754	579	140	140	135	135	0	9726.44	76.3526

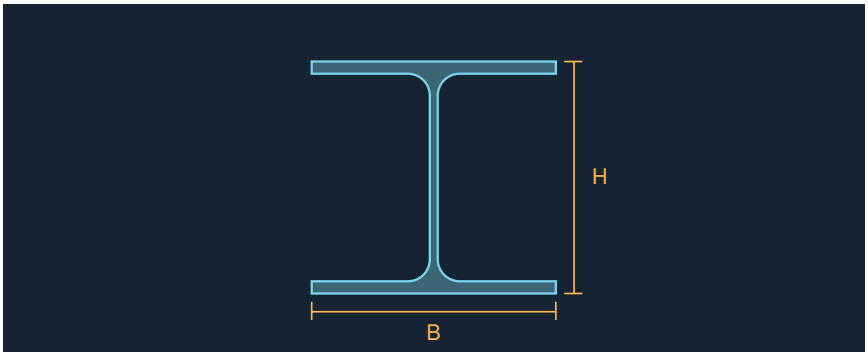
Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

HEA

25 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 200 A

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 300 A	290	300	8.5	14	27	0	0
HE 320 A	310	300	9	15.5	27	0	0
HE 340 A	330	300	9.5	16.5	27	0	0
HE 360 A	350	300	10	17.5	27	0	0
HE 400 A	390	300	11	19	27	0	0
HE 450 A	440	300	11.5	21	27	0	0
HE 500 A	490	300	12	23	27	0	0
HE 550 A	540	300	12.5	24	27	0	0
HE 600 A	590	300	13	25	27	0	0
HE 650 A	640	300	13.5	26	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21758	583	150	150	145	145	0	11252.8	88.3343
21763	588	150	150	155	155	0	12436.8	97.6287
21767	592	150	150	165	165	0	13347.3	104.776
21771	596	150	150	175	175	0	14275.8	112.065
21775	600	150	150	195	195	0	15897.8	124.798
21779	604	150	150	220	220	0	17802.8	139.752
21783	608	150	150	245	245	0	19753.8	155.067
21787	612	150	150	270	270	0	21175.8	166.23
21791	616	150	150	295	295	0	22645.8	177.769
21795	620	150	150	320	320	0	24163.8	189.686

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

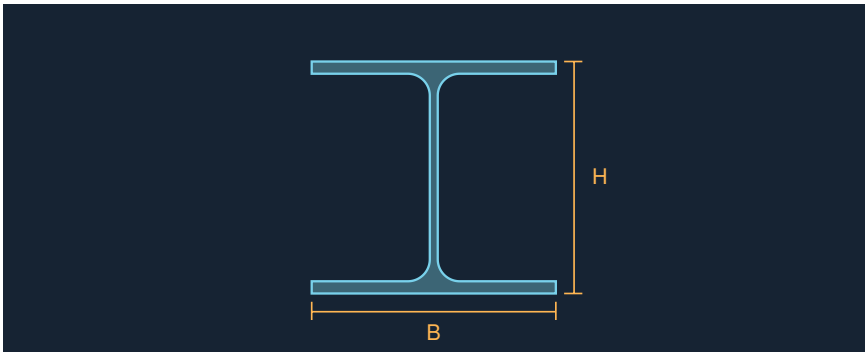
01 / STRUCTURAL PROFILES

Dimensions and variants

HEA

3/3

25 catalog variants / entries 21-25. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 200 A

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 700 A	690	300	14.5	27	27	0	0
HE 800 A	790	300	15	28	30	0	0
HE 900 A	890	300	16	30	30	0	0
HE 1000 A	990	300	16.5	31	30	0	0
HE 1100 A	1090	300	18	31	20	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21799	624	150	150	345	345	0	26047.8	204.475
21803	628	150	150	395	395	0	28582.6	224.373
21807	632	150	150	445	445	0	32052.6	251.613
21714	539	150	150	495	495	0	34684.6	272.274
21718	543	150	150	545	545	0	37447.4	293.962

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

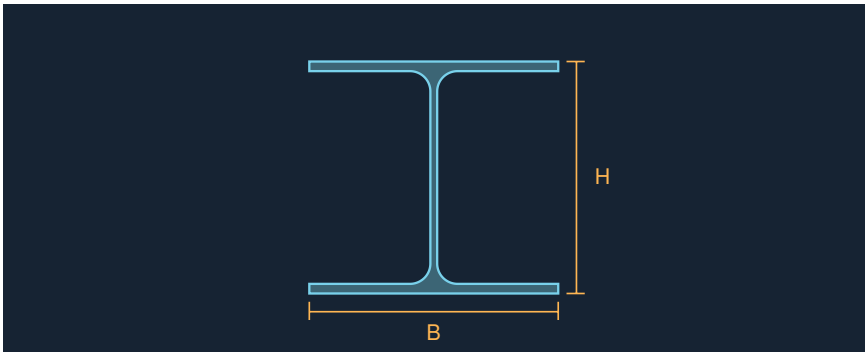
01 / STRUCTURAL PROFILES

Dimensions and variants

HEAA

1/3

24 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 220 AA

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 100 AA	91	100	4.2	5.5	12	0	0
HE 120 AA	109	120	4.2	5.5	12	0	0
HE 140 AA	128	140	4.3	6	12	0	0
HE 160 AA	148	160	4.5	7	15	0	0
HE 180 AA	167	180	5	7.5	15	0	0
HE 200 AA	186	200	5.5	8	18	0	0
HE 220 AA	205	220	6	8.5	18	0	0
HE 240 AA	224	240	6.5	9	21	0	0
HE 260 AA	244	260	6.5	9.5	24	0	0
HE 280 AA	264	280	7	10	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21711	536	50	50	45.5	45.5	0	1559.61	12.2429
21723	548	60	60	54.5	54.5	0	1855.21	14.5634
21727	552	70	70	64	64	0	2302.41	18.0739
21731	556	80	80	74	74	0	3036.14	23.8337
21735	560	90	90	83.5	83.5	0	3653.14	28.6772
21739	564	100	100	93	93	0	4413.12	34.643
21743	568	110	110	102.5	102.5	0	5146.12	40.3971
21747	572	120	120	112	112	0	6037.56	47.3948
21751	576	130	130	122	122	0	6896.94	54.141
21755	580	140	140	132	132	0	7802.44	61.2492

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

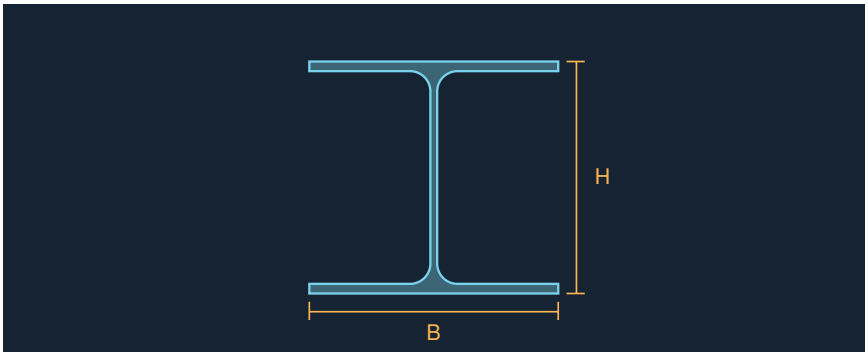
01 / STRUCTURAL PROFILES

Dimensions and variants

HEAA

2/3

24 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 220 AA

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 300 AA	283	300	7.5	10.5	27	0	0
HE 320 AA	301	300	8	11	27	0	0
HE 340 AA	320	300	8.5	11.5	27	0	0
HE 360 AA	339	300	9	12	27	0	0
HE 400 AA	378	300	9.5	13	27	0	0
HE 450 AA	425	300	10	13.5	27	0	0
HE 500 AA	472	300	10.5	14	27	0	0
HE 550 AA	522	300	11.5	15	27	0	0
HE 600 AA	571	300	12	15.5	27	0	0
HE 650 AA	620	300	12.5	16	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21759	584	150	150	141.5	141.5	0	8890.78	69.7926
21764	589	150	150	150.5	150.5	0	9457.78	74.2436
21768	593	150	150	160	160	0	10050.3	78.8947
21772	597	150	150	169.5	169.5	0	10660.8	83.6871
21776	601	150	150	189	189	0	11769.8	92.3928
21780	605	150	150	212.5	212.5	0	12705.8	99.7404
21784	609	150	150	236	236	0	13687.8	107.449
21788	613	150	150	261	261	0	15283.8	119.978
21792	617	150	150	285.5	285.5	0	16405.8	128.785
21796	621	150	150	310	310	0	17575.8	137.97

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

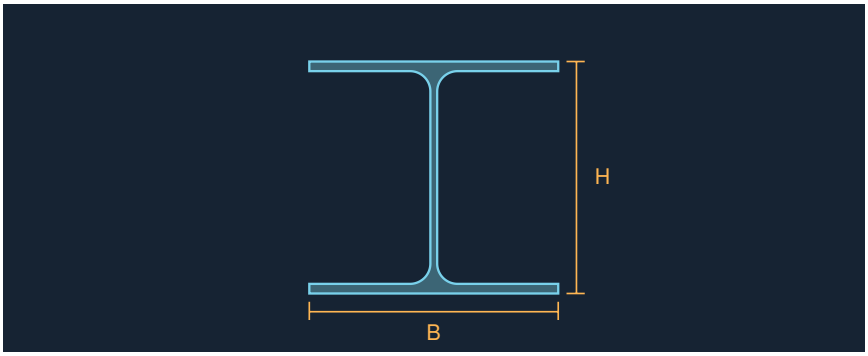
01 / STRUCTURAL PROFILES

Dimensions and variants

HEAA

3/3

24 catalog variants / entries 21-24. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 220 AA

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 700 AA	670	300	13	17	27	0	0
HE 800 AA	770	300	14	18	30	0	0
HE 900 AA	870	300	15	20	30	0	0
HE 1000 AA	970	300	16	21	30	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21800	625	150	150	335	335	0	19093.8	149.886
21804	629	150	150	385	385	0	21848.6	171.511
21808	633	150	150	435	435	0	25222.6	197.997
21715	540	150	150	485	485	0	28220.6	221.531

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

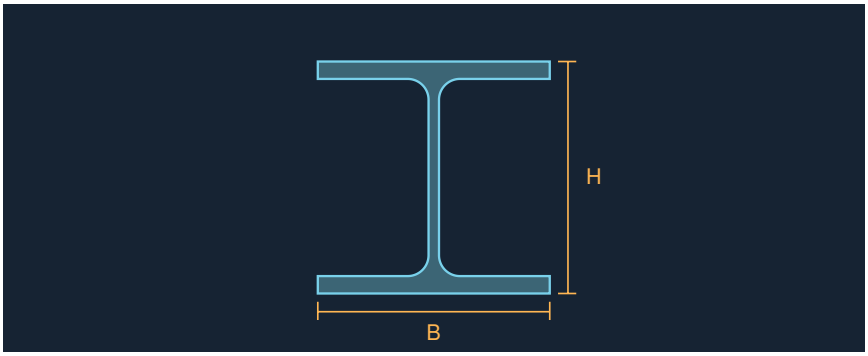
01 / STRUCTURAL PROFILES

Dimensions and variants

HEB

1/3

25 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 200 B

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 100 B	100	100	6	10	12	0	0
HE 120 B	120	120	6.5	11	12	0	0
HE 140 B	140	140	7	12	12	0	0
HE 160 B	160	160	8	13	15	0	0
HE 180 B	180	180	8.5	14	15	0	0
HE 200 B	200	200	9	15	18	0	0
HE 220 B	220	220	9.5	16	18	0	0
HE 240 B	240	240	10	17	21	0	0
HE 260 B	260	260	10	17.5	24	0	0
HE 280 B	280	280	10.5	18	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21712	537	50	50	50	50	0	2603.61	20.4383
21724	549	60	60	60	60	0	3400.61	26.6948
21728	553	70	70	70	70	0	4295.61	33.7205
21732	557	80	80	80	80	0	5425.14	42.5874
21736	561	90	90	90	90	0	6525.14	51.2224
21740	565	100	100	100	100	0	7808.12	61.2938
21744	569	110	110	110	110	0	9104.12	71.4674
21748	573	120	120	120	120	0	10598.6	83.1987
21752	577	130	130	130	130	0	11844.4	92.9789
21756	581	140	140	140	140	0	13136.4	103.121

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

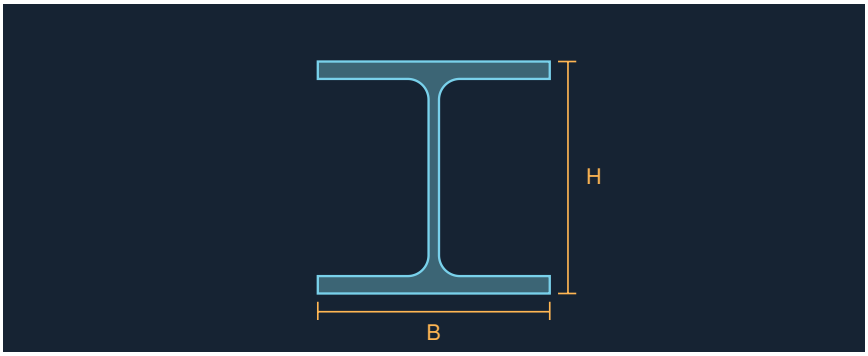
01 / STRUCTURAL PROFILES

Dimensions and variants

HEB

2/3

25 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 200 B

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 300 B	300	300	11	19	27	0	0
HE 320 B	320	300	11.5	20.5	27	0	0
HE 340 B	340	300	12	21.5	27	0	0
HE 360 B	360	300	12.5	22.5	27	0	0
HE 400 B	400	300	13.5	24	27	0	0
HE 450 B	450	300	14	26	27	0	0
HE 500 B	500	300	14.5	28	27	0	0
HE 550 B	550	300	15	29	27	0	0
HE 600 B	600	300	15.5	30	27	0	0
HE 650 B	650	300	16	31	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21760	585	150	150	150	150	0	14907.8	117.026
21765	590	150	150	160	160	0	16134.3	126.654
21769	594	150	150	170	170	0	17089.8	134.155
21773	598	150	150	180	180	0	18063.3	141.797
21777	602	150	150	200	200	0	19777.8	155.256
21781	606	150	150	225	225	0	21797.8	171.113
21785	610	150	150	250	250	0	23863.8	187.331
21789	614	150	150	275	275	0	25405.8	199.435
21793	618	150	150	300	300	0	26995.8	211.917
21797	622	150	150	325	325	0	28633.8	224.775

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

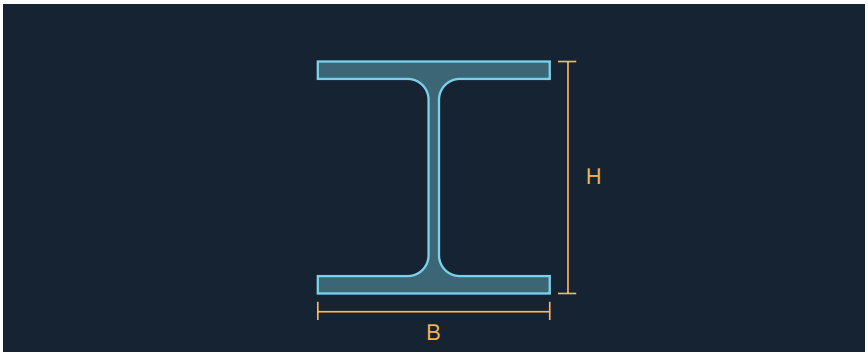
01 / STRUCTURAL PROFILES

Dimensions and variants

HEB

3/3

25 catalog variants / entries 21-25. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 200 B

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 700 B	700	300	17	32	27	0	0
HE 800 B	800	300	17.5	33	30	0	0
HE 900 B	900	300	18.5	35	30	0	0
HE 1000 B	1000	300	19	36	30	0	0
HE 1100 B	1100	300	20	36	20	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21801	626	150	150	350	350	0	30637.8	240.507
21805	630	150	150	400	400	0	33417.6	262.328
21809	634	150	150	450	450	0	37127.6	291.451
21716	541	150	150	500	500	0	40004.6	314.036
21719	544	150	150	550	550	0	42503.4	333.651

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

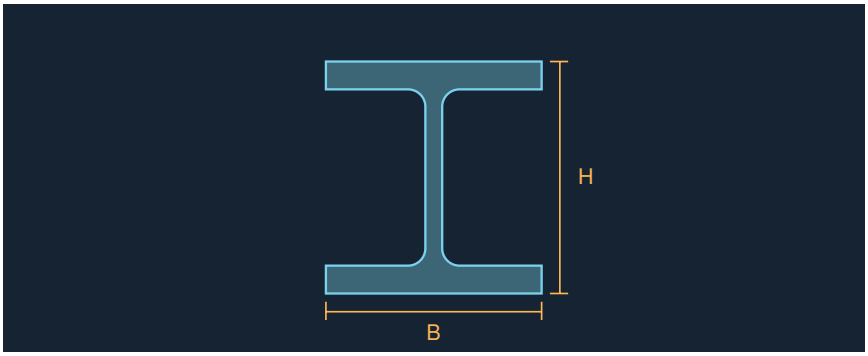
01 / STRUCTURAL PROFILES

Dimensions and variants

HEM

1/3

25 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 180 M

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 100 M	120	106	12	20	12	0	0
HE 120 M	140	126	12.5	21	12	0	0
HE 140 M	160	146	13	22	12	0	0
HE 160 M	180	166	14	23	15	0	0
HE 180 M	200	186	14.5	24	15	0	0
HE 200 M	220	206	15	25	18	0	0
HE 220 M	240	226	15.5	26	18	0	0
HE 240 M	270	248	18	32	21	0	0
HE 260 M	290	268	18	32.5	24	0	0
HE 280 M	310	288	18.5	33	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21713	538	53	53	60	60	0	5323.61	41.7903
21725	550	63	63	70	70	0	6640.61	52.1288
21729	554	73	73	80	80	0	8055.61	63.2365
21733	558	83	83	90	90	0	9705.14	76.1854
21737	562	93	93	100	100	0	11325.1	88.9024
21741	566	103	103	110	110	0	13128.1	103.056
21745	570	113	113	120	120	0	14944.1	117.311
21749	574	124	124	135	135	0	19958.6	156.675
21753	578	134	134	145	145	0	21964.4	172.421
21757	582	144	144	155	155	0	24016.4	188.529

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

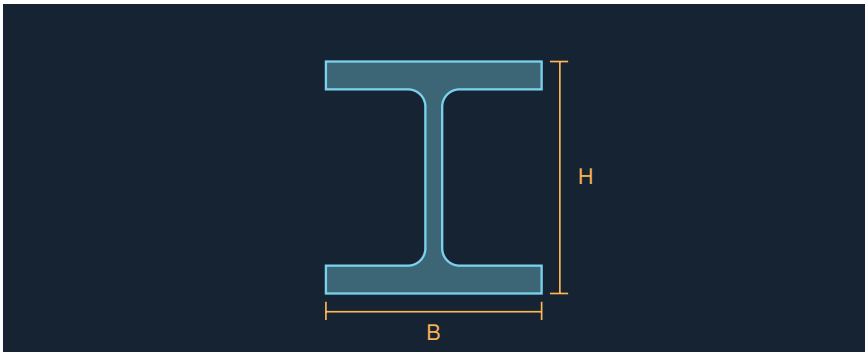
01 / STRUCTURAL PROFILES

Dimensions and variants

HEM

2/3

25 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 180 M

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 300 M	340	310	21	39	27	0	0
HE 320 M	359	309	21	40	27	0	0
HE 340 M	377	309	21	40	27	0	0
HE 360 M	395	308	21	40	27	0	0
HE 400 M	432	307	21	40	27	0	0
HE 450 M	478	307	21	40	27	0	0
HE 500 M	524	306	21	40	27	0	0
HE 550 M	572	306	21	40	27	0	0
HE 600 M	620	305	21	40	27	0	0
HE 650 M	668	305	21	40	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21762	587	155	155	170	170	0	30307.8	237.916
21766	591	154.5	154.5	179.5	179.5	0	31204.8	244.958
21770	595	154.5	154.5	188.5	188.5	0	31582.8	247.925
21774	599	154	154	197.5	197.5	0	31880.8	250.264
21778	603	153.5	153.5	216	216	0	32577.8	255.736
21782	607	153.5	153.5	239	239	0	33543.8	263.319
21786	611	153	153	262	262	0	34429.8	270.274
21790	615	153	153	286	286	0	35437.8	278.187
21794	619	152.5	152.5	310	310	0	36365.8	285.471
21798	623	152.5	152.5	334	334	0	37373.8	293.384

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

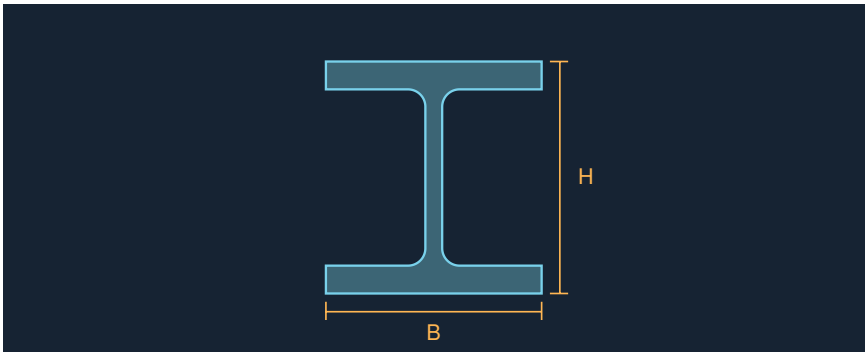
01 / STRUCTURAL PROFILES

Dimensions and variants

HEM

3/3

25 catalog variants / entries 21-25. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HE 180 M

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 700 M	716	304	21	40	27	0	0
HE 800 M	814	303	21	40	30	0	0
HE 900 M	910	302	21	40	30	0	0
HE 1000 M	1008	302	21	40	30	0	0
HE 1100 M	1108	302	22	40	20	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21802	627	152	152	358	358	0	38301.8	300.669
21806	631	151.5	151.5	407	407	0	40426.6	317.349
21810	635	151	151	455	455	0	42362.6	332.546
21717	542	151	151	504	504	0	44420.6	348.701
21720	545	151	151	554	554	0	47119.4	369.887

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

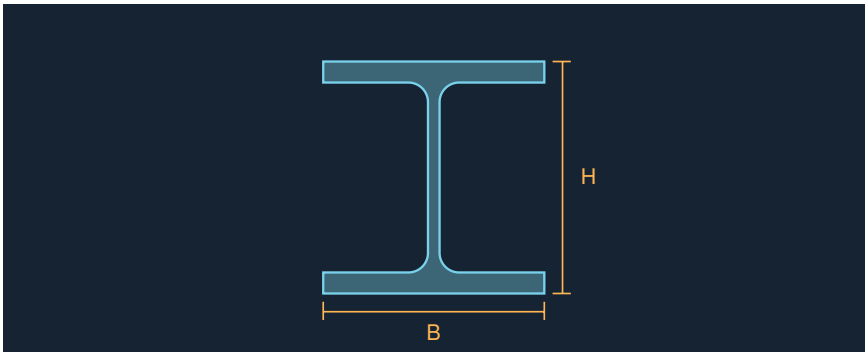
01 / STRUCTURAL PROFILES

Dimensions and variants

HEC

1/1

1 catalog variants / entries 1-1. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: HE 300 C

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 300 C	320	305	16	29	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21761	586	152.5	152.5	160	160	0	22507.8	176.686

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

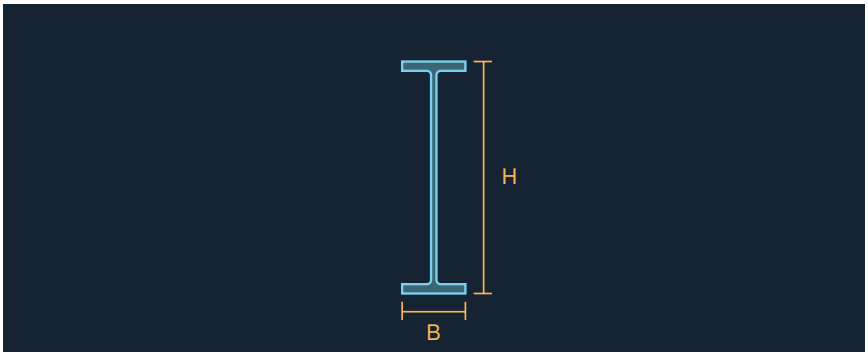
01 / STRUCTURAL PROFILES

Dimensions and variants

HER

1/1

1 catalog variants / entries 1-1. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: HE 1100 R

REFERENCE	H	B	EA	ES	RA	RS	GAP
HE 1100 R	1118	305	26	45	20	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21721	546	152.5	152.5	559	559	0	54521.4	427.993

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

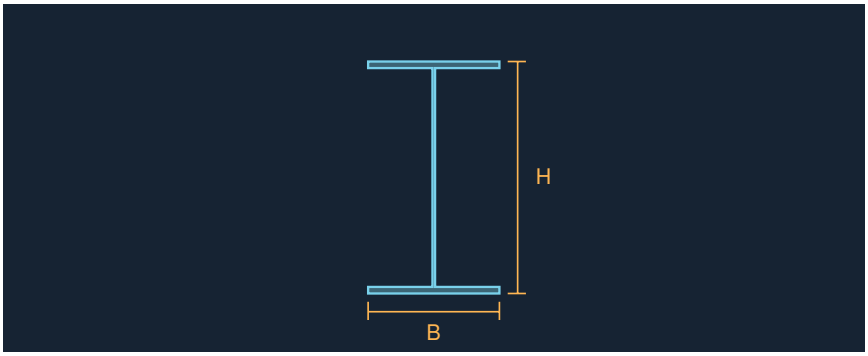
01 / STRUCTURAL PROFILES

Dimensions and variants

PRS

1/6

54 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PRS 500x15

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PRS 500x15	530	300	6	15	0	0	0
PRS 500x20	540	300	6	20	0	0	0
PRS 500x25	550	300	6	25	0	0	0
PRS 600x15	630	300	6	15	0	0	0
PRS 600x20	640	300	6	20	0	0	0
PRS 600x25	650	300	6	25	0	0	0
PRS 700x15	730	300	8	15	0	0	0
PRS 700x20	740	300	8	20	0	0	0
PRS 700x25	750	300	8	25	0	0	0
PRS 700x30	760	300	8	30	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22846	1678	150	150	265	265	0	12000	92.4102
22847	1679	150	150	270	270	0	15000	115.562
22848	1680	150	150	275	275	0	18000	138.615
22849	1681	150	150	315	315	0	12600	97.0209
22850	1682	150	150	320	320	0	15600	120.173
22851	1683	150	150	325	325	0	18600	143.226
22852	1684	150	150	365	365	0	14600	112.423
22853	1685	150	150	370	370	0	17600	135.574
22854	1686	150	150	375	375	0	20600	158.628
22855	1687	150	150	380	380	0	23600	181.779

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

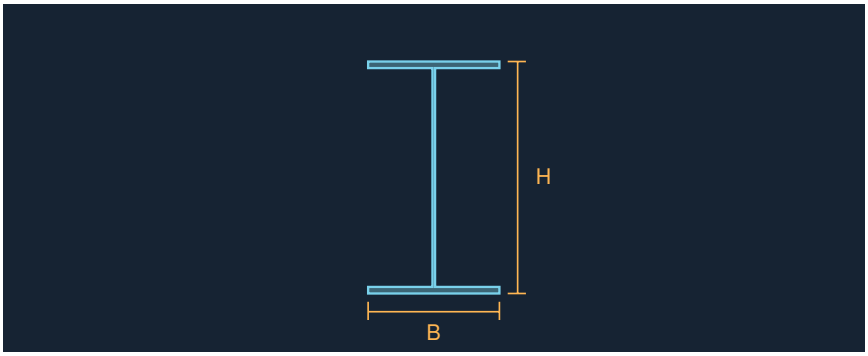
01 / STRUCTURAL PROFILES

Dimensions and variants

PRS

2/6

54 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PRS 500x15

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PRS 800x15	830	300	8	15	0	0	0
PRS 800x20	840	300	8	20	0	0	0
PRS 800x25	850	300	8	25	0	0	0
PRS 800x30	860	300	8	30	0	0	0
PRS 900x15	930	300	8	15	0	0	0
PRS 900x20	940	300	8	20	0	0	0
PRS 900x25	950	300	8	25	0	0	0
PRS 900x30	960	300	8	30	0	0	0
PRS 1000x15	1030	300	10	15	0	0	0
PRS 1000x20	1040	300	10	20	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22856	1688	150	150	415	415	0	15400	118.603
22857	1689	150	150	420	420	0	18400	141.656
22858	1690	150	150	425	425	0	21400	164.808
22859	1691	150	150	430	430	0	24400	187.861
22860	1692	150	150	465	465	0	16200	124.783
22861	1693	150	150	470	470	0	19200	147.837
22862	1694	150	150	475	475	0	22200	170.988
22863	1695	150	150	480	480	0	25200	194.042
22810	1642	150	150	515	515	0	19000	146.365
22811	1643	150	150	520	520	0	22000	169.419

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

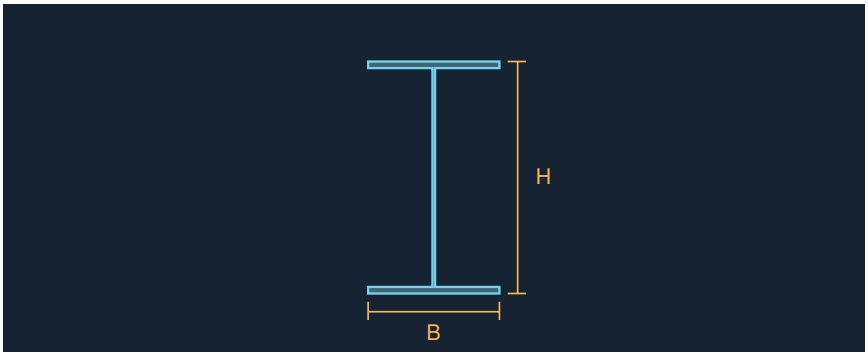
01 / STRUCTURAL PROFILES

Dimensions and variants

PRS

3/6

54 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PRS 500x15

REFERENCE	H	B	EA	ES	RA	RS	GAP
PRS 1000x25	1050	300	10	25	0	0	0
PRS 1000x30	1060	300	10	30	0	0	0
PRS 1100x15	1130	300	10	15	0	0	0
PRS 1100x20	1140	300	10	20	0	0	0
PRS 1100x25	1150	300	10	25	0	0	0
PRS 1100x30	1160	300	10	30	0	0	0
PRS 1200x15	1230	320	10	15	0	0	0
PRS 1200x20	1240	320	10	20	0	0	0
PRS 1200x25	1250	320	10	25	0	0	0
PRS 1200x30	1260	320	10	30	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22812	1644	150	150	525	525	0	25000	192.57
22813	1645	150	150	530	530	0	28000	215.624
22814	1646	150	150	565	565	0	20000	154.017
22815	1647	150	150	570	570	0	23000	177.169
22816	1648	150	150	575	575	0	26000	200.222
22817	1649	150	150	580	580	0	29000	223.374
22818	1650	160	160	615	615	0	21600	166.378
22819	1651	160	160	620	620	0	24800	191.001
22820	1652	160	160	625	625	0	28000	215.624
22821	1653	160	160	630	630	0	31200	240.247

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

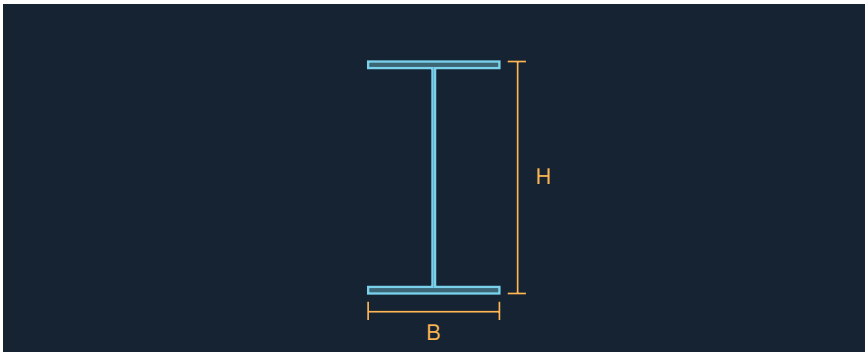
01 / STRUCTURAL PROFILES

Dimensions and variants

PRS

4/6

54 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PRS 500x15

REFERENCE	H	B	EA	ES	RA	RS	GAP
PRS 1300x15	1330	320	10	15	0	0	0
PRS 1300x20	1340	320	10	20	0	0	0
PRS 1300x25	1350	320	10	25	0	0	0
PRS 1300x30	1360	320	10	30	0	0	0
PRS 1400x15	1430	350	12	15	0	0	0
PRS 1400x20	1440	350	12	20	0	0	0
PRS 1400x25	1450	350	12	25	0	0	0
PRS 1400x30	1460	350	12	30	0	0	0
PRS 1500x15	1530	350	12	15	0	0	0
PRS 1500x20	1540	350	12	20	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22822	1654	160	160	665	665	0	22600	174.029
22823	1655	160	160	670	670	0	25800	198.652
22824	1656	160	160	675	675	0	29000	223.374
22825	1657	160	160	680	680	0	32200	247.997
22826	1658	175	175	715	715	0	27300	210.228
22827	1659	175	175	720	720	0	30800	237.206
22828	1660	175	175	725	725	0	34300	264.183
22829	1661	175	175	730	730	0	37800	291.063
22830	1662	175	175	765	765	0	28500	219.45
22831	1663	175	175	770	770	0	32000	246.427

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

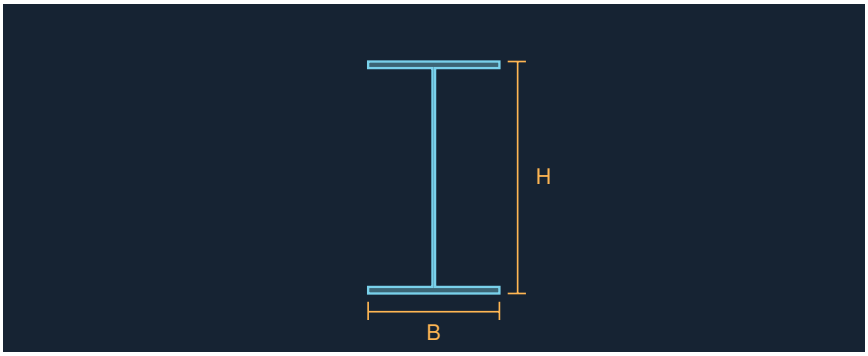
01 / STRUCTURAL PROFILES

Dimensions and variants

PRS

5/6

54 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PRS 500x15

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PRS 1500x25	1550	350	12	25	0	0	0
PRS 1500x30	1560	350	12	30	0	0	0
PRS 1600x15	1630	400	12	15	0	0	0
PRS 1600x20	1640	400	12	20	0	0	0
PRS 1600x25	1650	400	12	25	0	0	0
PRS 1600x30	1660	400	12	30	0	0	0
PRS 1700x15	1730	450	15	15	0	0	0
PRS 1700x20	1740	450	15	20	0	0	0
PRS 1700x25	1750	450	15	25	0	0	0
PRS 1700x30	1760	450	15	30	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22832	1664	175	175	775	775	0	35500	273.405
22833	1665	175	175	780	780	0	39000	300.382
22834	1666	200	200	815	815	0	31200	240.247
22835	1667	200	200	820	820	0	35200	271.05
22836	1668	200	200	825	825	0	39200	301.854
22837	1669	200	200	830	830	0	43200	332.657
22838	1670	225	225	865	865	0	39000	300.382
22839	1671	225	225	870	870	0	43500	335.012
22840	1672	225	225	875	875	0	48000	369.641
22841	1673	225	225	880	880	0	52500	404.27

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

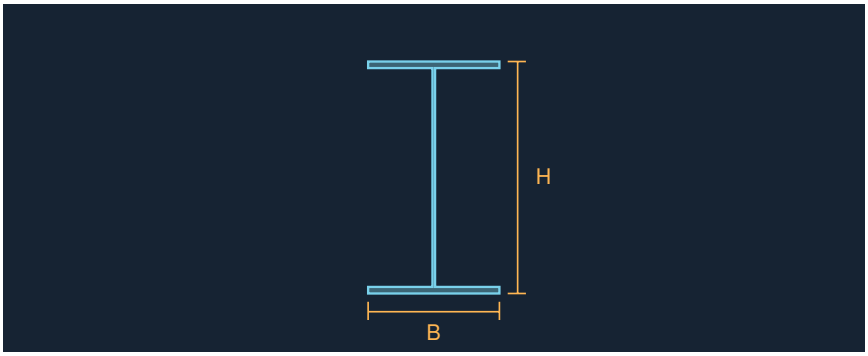
01 / STRUCTURAL PROFILES

Dimensions and variants

PRS

6/6

54 catalog variants / entries 51-54. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PRS 500x15

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PRS 1800x15	1830	500	15	15	0	0	0
PRS 1800x20	1840	500	15	20	0	0	0
PRS 1800x25	1850	500	15	25	0	0	0
PRS 1800x30	1860	500	15	30	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22842	1674	250	250	915	915	0	42000	323.436
22843	1675	250	250	920	920	0	47000	361.989
22844	1676	250	250	925	925	0	52000	400.444
22845	1677	250	250	930	930	0	57000	438.997

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

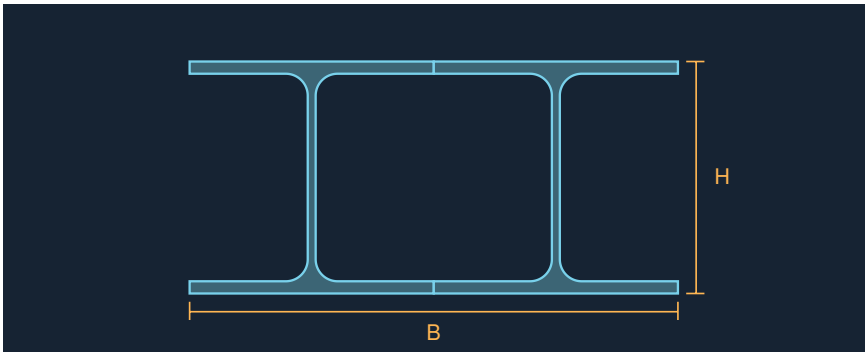
01 / STRUCTURAL PROFILES

Dimensions and variants

HHEA

1/2

19 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HHE 200 A

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HHE 100 A	96	200	5	8	12	0	0
HHE 120 A	114	240	5	8	12	0	0
HHE 140 A	133	280	5.5	8.5	12	0	0
HHE 160 A	152	320	6	9	15	0	0
HHE 180 A	171	360	6	9.5	15	0	0
HHE 200 A	190	400	6.5	10	18	0	0
HHE 220 A	210	440	7	11	18	0	0
HHE 240 A	230	480	7.5	12	21	0	0
HHE 260 A	250	520	7.5	12.5	24	0	0
HHE 280 A	270	560	8	13	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21811	636	100	100	48	48	0	4247.22	33.3407
21814	639	120	120	57	57	0	5067.22	39.7777
21817	642	140	140	66.5	66.5	0	6283.22	49.3233
21820	645	160	160	76	76	0	7754.28	60.8711
21823	648	180	180	85.5	85.5	0	9050.28	71.0447
21826	651	200	200	95	95	0	10766.2	84.515
21829	654	220	220	105	105	0	12868.2	101.016
21832	657	240	240	115	115	0	15367.1	120.632
21835	660	260	260	125	125	0	17363.9	136.307
21838	663	280	280	135	135	0	19452.9	152.705

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

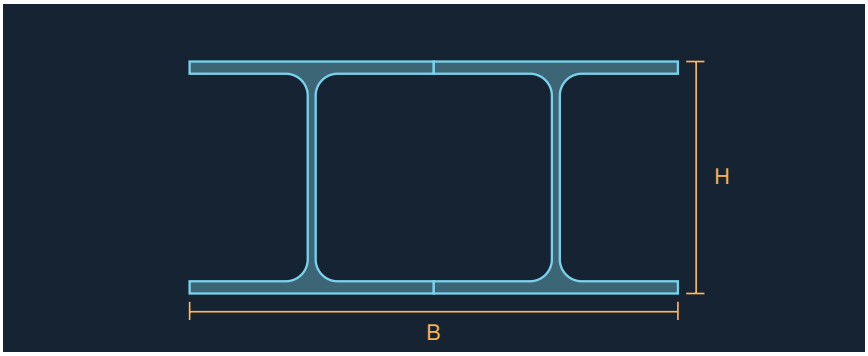
01 / STRUCTURAL PROFILES

Dimensions and variants

HHEA

2/2

19 catalog variants / entries 11-19. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HHE 200 A

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HHE 300 A	290	600	8.5	14	27	0	0
HHE 320 A	310	600	9	15.5	27	0	0
HHE 340 A	330	600	9.5	16.5	27	0	0
HHE 360 A	350	600	10	17.5	27	0	0
HHE 400 A	390	600	11	19	27	0	0
HHE 450 A	440	600	11.5	21	27	0	0
HHE 500 A	490	600	12	23	27	0	0
HHE 550 A	540	600	12.5	24	27	0	0
HHE 600 A	590	600	13	25	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21841	666	300	300	145	145	0	22505.6	176.669
21844	669	300	300	155	155	0	24873.6	195.257
21847	672	300	300	165	165	0	26694.6	209.552
21850	675	300	300	175	175	0	28551.6	224.13
21853	678	300	300	195	195	0	31795.6	249.595
21856	681	300	300	220	220	0	35605.6	279.504
21859	684	300	300	245	245	0	39507.6	310.134
21862	687	300	300	270	270	0	42351.6	332.46
21865	690	300	300	295	295	0	45291.6	355.539

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

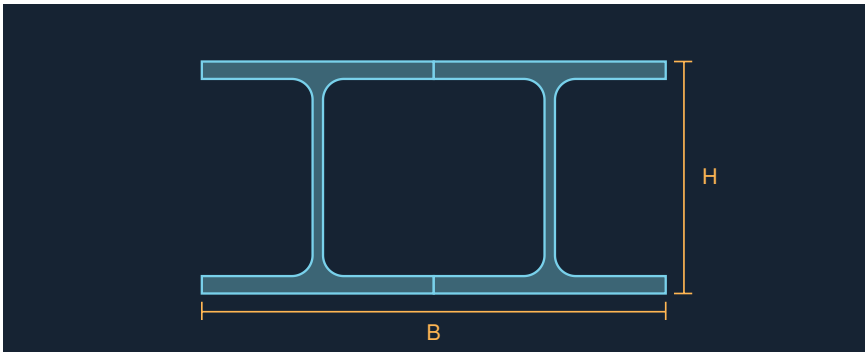
01 / STRUCTURAL PROFILES

Dimensions and variants

HHEB

1/2

19 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HHE 200 B

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HHE 100 B	100	200	6	10	12	0	0
HHE 120 B	120	240	6.5	11	12	0	0
HHE 140 B	140	280	7	12	12	0	0
HHE 160 B	160	320	8	13	15	0	0
HHE 180 B	180	360	8.5	14	15	0	0
HHE 200 B	200	400	9	15	18	0	0
HHE 220 B	220	440	9.5	16	18	0	0
HHE 240 B	240	480	10	17	21	0	0
HHE 260 B	260	520	10	17.5	24	0	0
HHE 280 B	280	560	10.5	18	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21812	637	100	100	50	50	0	5207.22	40.8767
21815	640	120	120	60	60	0	6801.22	53.3896
21818	643	140	140	70	70	0	8591.22	67.4411
21821	646	160	160	80	80	0	10850.3	85.1747
21824	649	180	180	90	90	0	13050.3	102.445
21827	652	200	200	100	100	0	15616.2	122.588
21830	655	220	220	110	110	0	18208.2	142.935
21833	658	240	240	120	120	0	21197.1	166.397
21836	661	260	260	130	130	0	23688.9	185.958
21839	664	280	280	140	140	0	26272.9	206.242

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

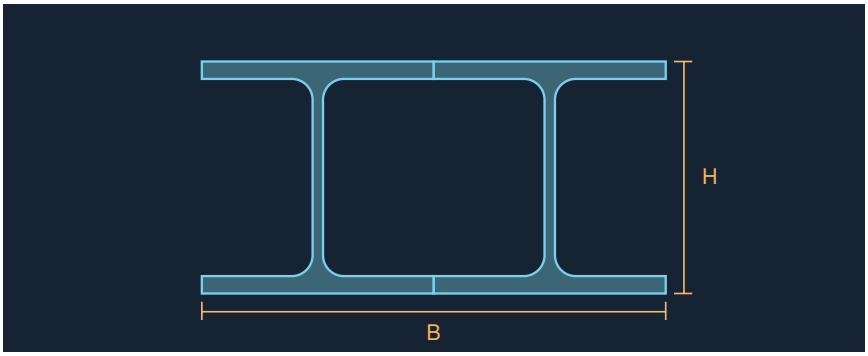
01 / STRUCTURAL PROFILES

Dimensions and variants

HHEB

2/2

19 catalog variants / entries 11-19. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HHE 200 B

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HHE 300 B	300	600	11	19	27	0	0
HHE 320 B	320	600	11.5	20.5	27	0	0
HHE 340 B	340	600	12	21.5	27	0	0
HHE 360 B	360	600	12.5	22.5	27	0	0
HHE 400 B	400	600	13.5	24	27	0	0
HHE 450 B	450	600	14	26	27	0	0
HHE 500 B	500	600	14.5	28	27	0	0
HHE 550 B	550	600	15	29	27	0	0
HHE 600 B	600	600	15.5	30	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21842	667	300	300	150	150	0	29815.6	234.052
21845	670	300	300	160	160	0	32268.6	253.308
21848	673	300	300	170	170	0	34179.6	268.31
21851	676	300	300	180	180	0	36126.6	283.594
21854	679	300	300	200	200	0	39555.6	310.511
21857	682	300	300	225	225	0	43595.6	342.225
21860	685	300	300	250	250	0	47727.6	374.661
21863	688	300	300	275	275	0	50811.6	398.871
21866	691	300	300	300	300	0	53991.6	423.834

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

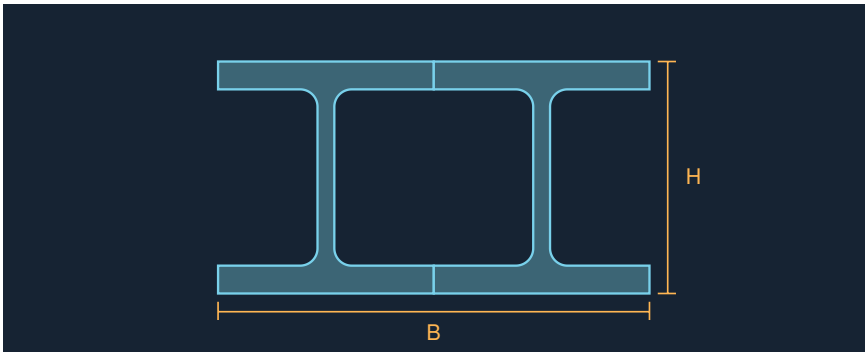
01 / STRUCTURAL PROFILES

Dimensions and variants

HHEM

1/2

19 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HHE 180 M

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HHE 100 M	120	212	12	20	12	0	0
HHE 120 M	140	252	12.5	21	12	0	0
HHE 140 M	160	292	13	22	12	0	0
HHE 160 M	180	332	14	23	15	0	0
HHE 180 M	200	372	14.5	24	15	0	0
HHE 200 M	220	412	15	25	18	0	0
HHE 220 M	240	452	15.5	26	18	0	0
HHE 240 M	270	496	18	32	21	0	0
HHE 260 M	290	536	18	32.5	24	0	0
HHE 280 M	310	576	18.5	33	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21813	638	106	106	60	60	0	10647.2	83.5807
21816	641	126	126	70	70	0	13281.2	104.258
21819	644	146	146	80	80	0	16111.2	126.473
21822	647	166	166	90	90	0	19410.3	152.371
21825	650	186	186	100	100	0	22650.3	177.805
21828	653	206	206	110	110	0	26256.2	206.112
21831	656	226	226	120	120	0	29880	234
21834	659	248	248	135	135	0	39917.1	313.349
21837	662	268	268	145	145	0	43928.9	344.842
21840	665	288	288	155	155	0	48032.9	377.058

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

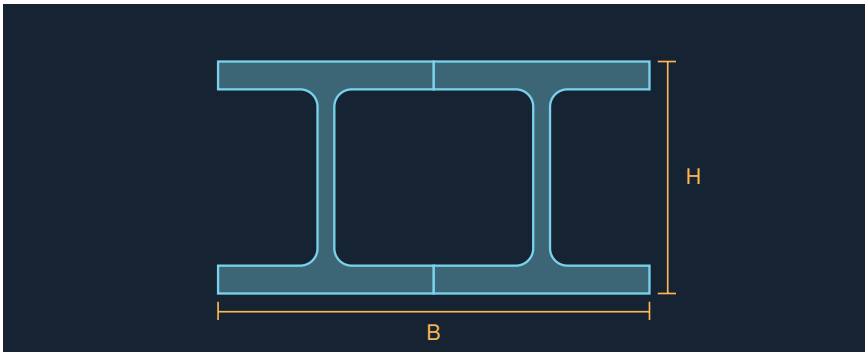
01 / STRUCTURAL PROFILES

Dimensions and variants

HHEM

2/2

19 catalog variants / entries 11-19. Lengths: mm; area: mm2; mass: kg/m.



Typical section: HHE 180 M

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
HHE 300 M	340	620	21	39	27	0	0
HHE 320 M	359	618	21	40	27	0	0
HHE 340 M	377	618	21	40	27	0	0
HHE 360 M	395	616	21	40	27	0	0
HHE 400 M	432	614	21	40	27	0	0
HHE 450 M	478	614	21	40	27	0	0
HHE 500 M	524	612	21	40	27	0	0
HHE 550 M	572	612	21	40	27	0	0
HHE 600 M	620	610	21	40	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21843	668	310	310	170	170	0	60615.6	475.832
21846	671	309	309	179.5	179.5	0	62409.6	489.915
21849	674	309	309	188.5	188.5	0	63165.6	495.85
21852	677	308	308	197.5	197.5	0	63761.6	500.528
21855	680	307	307	216	216	0	65155.6	511.471
21858	683	307	307	239	239	0	67087.6	526.637
21861	686	306	306	262	262	0	68859.6	540.547
21864	689	306	306	286	286	0	70875.6	556.373
21867	692	305	305	310	310	0	72731.6	570.943

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

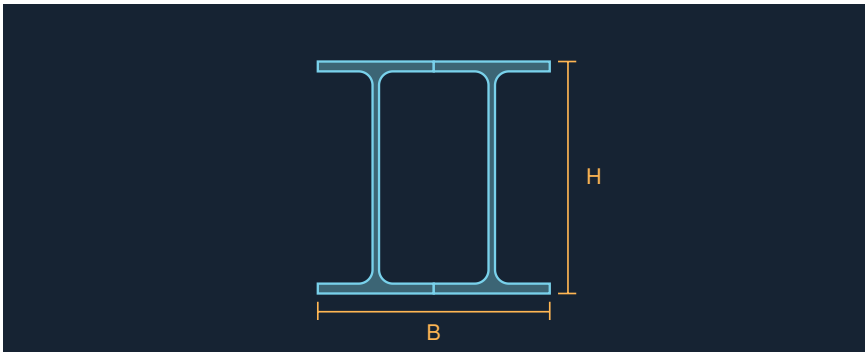
01 / STRUCTURAL PROFILES

Dimensions and variants

IIPE

1/2

18 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IIPE 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IIP 80 E	80	92	3.8	5.2	5	0	0
IIPE 100	100	110	4.1	5.7	7	0	0
IIPE 120	120	128	4.4	6.3	7	0	0
IIPE 140	140	146	4.7	6.9	7	0	0
IIPE 160	160	164	5	7.4	9	0	0
IIPE 180	180	182	5.3	8	9	0	0
IIPE 200	200	200	5.6	8.5	12	0	0
IIPE 220	220	220	5.9	9.2	12	0	0
IIPE 240	240	240	6.2	9.8	15	0	0
IIPE 270	270	270	6.6	10.2	15	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21868	693	46	46	40	40	0	1528.68	12.0001
21869	694	55	55	50	50	0	2064.64	16.2075
21870	695	64	64	60	60	0	2642.04	20.74
21871	696	73	73	70	70	0	3285.2	25.7889
21872	697	82	82	80	80	0	4018.26	31.5434
21873	698	91	91	90	90	0	4789.46	37.5973
21874	699	100	100	100	100	0	5696.82	44.72
21875	700	110	110	110	110	0	6674.1	52.3917
21876	701	120	120	120	120	0	7823.24	61.4125
21877	702	135	135	135	135	0	9189	72.1337

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

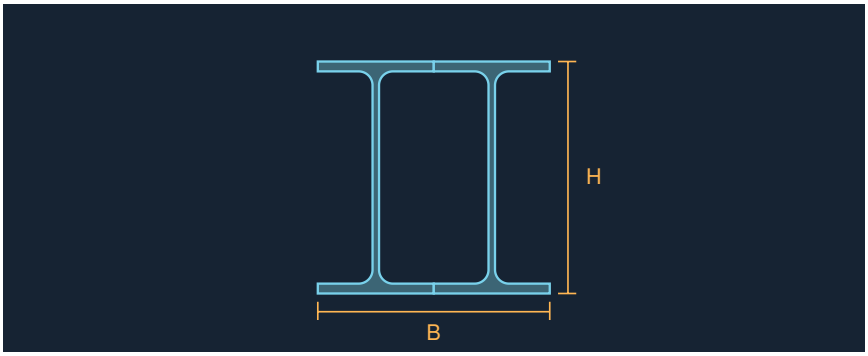
01 / STRUCTURAL PROFILES

Dimensions and variants

IIPE

2/2

18 catalog variants / entries 11-18. Lengths: mm; area: mm2; mass: kg/m.



Typical section: IIPE 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
IIPE 300	300	300	7.1	10.7	15	0	0
IIPE 330	330	320	7.5	11.5	18	0	0
IIPE 360	360	340	8	12.7	18	0	0
IIPE 400	400	360	8.6	13.5	21	0	0
IIPE 450	450	380	9.4	14.6	21	0	0
IIPE 500	500	400	10.2	16	21	0	0
IIPE 550	550	420	11.1	17.2	24	0	0
IIPE 600	600	440	12	19	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21878	703	150	150	150	150	0	10762.4	84.4849
21879	704	160	160	165	165	0	12521.2	98.2918
21880	705	170	170	180	180	0	14545.8	114.185
21881	706	180	180	200	200	0	16892.7	132.608
21882	707	190	190	225	225	0	19764.2	155.149
21883	708	200	200	250	250	0	23104.3	181.369
21884	709	210	210	275	275	0	26883.2	211.033
21885	710	220	220	300	300	0	31196.9	244.896

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

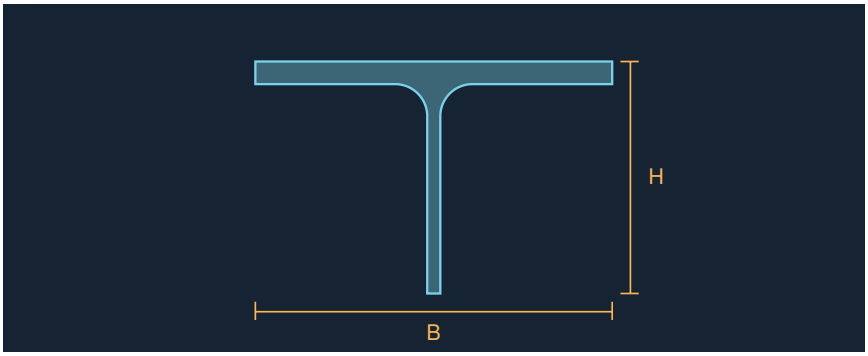
01 / STRUCTURAL PROFILES

Dimensions and variants

MHEA

1/2

19 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MHE 400 A

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MHE 100 A	48	100	5	8	12	0	0
MHE 120 A	57	120	5	8	12	0	0
MHE 140 A	66.5	140	5.5	8.5	12	0	0
MHE 160 A	76	160	6	9	15	0	0
MHE 180 A	85.5	180	6	9.5	15	0	0
MHE 200 A	95	200	6.5	10	18	0	0
MHE 220 A	105	220	7	11	18	0	0
MHE 240 A	115	240	7.5	12	21	0	0
MHE 260 A	125	260	7.5	12.5	24	0	0
MHE 280 A	135	280	8	13	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21986	811	50	50	8.9	39.1	0	1061.81	8.33517
21989	814	60	60	9.8	47.2	0	1266.81	9.94442
21992	817	70	70	11.3	55.2	0	1570.81	12.3308
21995	820	80	80	12.8	63.2	0	1938.57	15.2178
21998	823	90	90	13.7	71.8	0	2262.57	17.7612
22001	826	100	100	15.2	79.8	0	2691.56	21.1288
22004	829	110	110	16.6	88.4	0	3217.06	25.2539
22007	832	120	120	18.1	96.9	0	3841.78	30.158
22010	835	130	130	19.1	105.9	0	4340.97	34.0766
22013	838	140	140	20.6	114.4	0	4863.22	38.1763

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

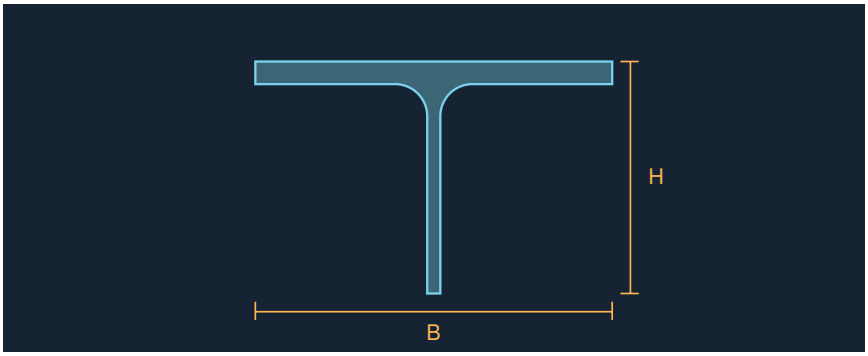
01 / STRUCTURAL PROFILES

Dimensions and variants

MHEA

2/2

19 catalog variants / entries 11-19. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MHE 400 A

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MHE 300 A	145	300	8.5	14	27	0	0
MHE 320 A	155	300	9	15.5	27	0	0
MHE 340 A	165	300	9.5	16.5	27	0	0
MHE 360 A	175	300	10	17.5	27	0	0
MHE 400 A	195	300	11	19	27	0	0
MHE 450 A	220	300	11.5	21	27	0	0
MHE 500 A	245	300	12	23	27	0	0
MHE 550 A	270	300	12.5	24	27	0	0
MHE 600 A	295	300	13	25	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22016	841	150	150	22.1	122.9	0	5626.39	44.1672
22019	844	150	150	24.1	130.9	0	6218.39	48.8144
22022	847	150	150	26.4	138.6	0	6673.64	52.3881
22025	850	150	150	28.7	146.3	0	7137.89	56.0324
22028	853	150	150	33.9	161.1	0	7948.89	62.3988
22031	856	150	150	39.4	180.6	0	8901.39	69.8759
22034	859	150	150	45.1	199.9	0	9876.89	77.5336
22037	862	150	150	51.7404	218.26	0	10587.9	83.1149
22040	865	150	150	58.7358	236.264	0	11322.9	88.8847

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

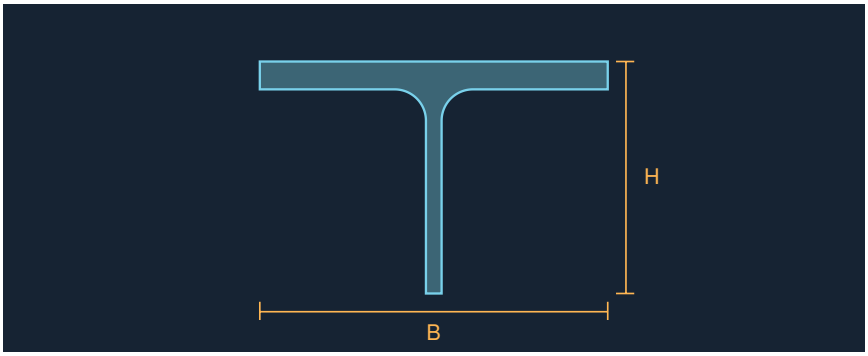
01 / STRUCTURAL PROFILES

Dimensions and variants

MHEB

1/2

19 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MHE 400 B

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MHE 100 B	50	100	6	10	12	0	0
MHE 120 B	60	120	6.5	11	12	0	0
MHE 140 B	70	140	7	12	12	0	0
MHE 160 B	80	160	8	13	15	0	0
MHE 180 B	90	180	8.5	14	15	0	0
MHE 200 B	100	200	9	15	18	0	0
MHE 220 B	110	220	9.5	16	18	0	0
MHE 240 B	120	240	10	17	21	0	0
MHE 260 B	130	260	10	17.5	24	0	0
MHE 280 B	140	280	10.5	18	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21987	812	50	50	10	40	0	1301.81	10.2192
21990	815	60	60	11.4	48.6	0	1700.31	13.3474
21993	818	70	70	12.9	57.1	0	2147.81	16.8603
21996	821	80	80	14.8	65.2	0	2712.57	21.2937
21999	824	90	90	16.2	73.8	0	3262.57	25.6112
22002	827	100	100	17.7	82.3	0	3904.06	30.6469
22005	830	110	110	19.2	90.8	0	4552.06	35.7337
22008	833	120	120	20.6	99.4	0	5299.28	41.5993
22011	836	130	130	21.7	108.3	0	5922.22	46.4894
22014	839	140	140	23.2	116.8	0	6568.22	51.5605

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

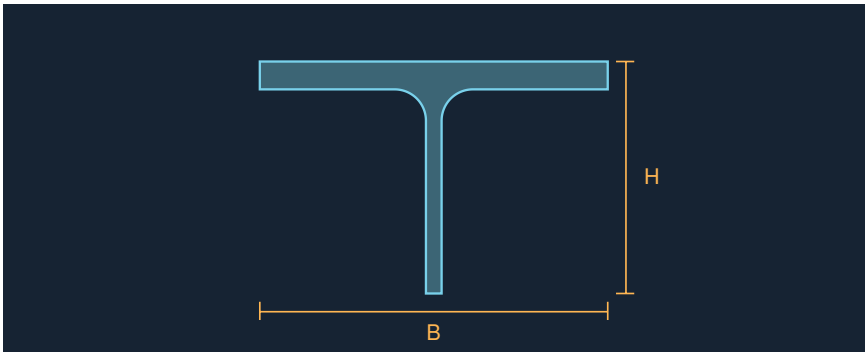
01 / STRUCTURAL PROFILES

Dimensions and variants

MHEB

2/2

19 catalog variants / entries 11-19. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MHE 400 B

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MHE 300 B	150	300	11	19	27	0	0
MHE 320 B	160	300	11.5	20.5	27	0	0
MHE 340 B	170	300	12	21.5	27	0	0
MHE 360 B	180	300	12.5	22.5	27	0	0
MHE 400 B	200	300	13.5	24	27	0	0
MHE 450 B	225	300	14	26	27	0	0
MHE 500 B	250	300	14.5	28	27	0	0
MHE 550 B	275	300	15	29	27	0	0
MHE 600 B	300	300	15.5	30	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22017	842	150	150	24.7	125.3	0	7453.89	58.513
22020	845	150	150	26.8	133.2	0	8067.14	63.327
22023	848	150	150	29.1	140.9	0	8544.89	67.0774
22026	851	150	150	31.5	148.5	0	9031.64	70.8984
22029	854	150	150	36.6	163.4	0	9888.89	77.6278
22032	857	150	150	42.3	182.7	0	10898.9	85.5563
22035	860	150	150	48.2	201.8	0	11931.9	93.6653
22038	863	150	150	54.9	220.1	0	12702.9	99.7177
22041	866	150	150	62	238	0	13497.9	105.958

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

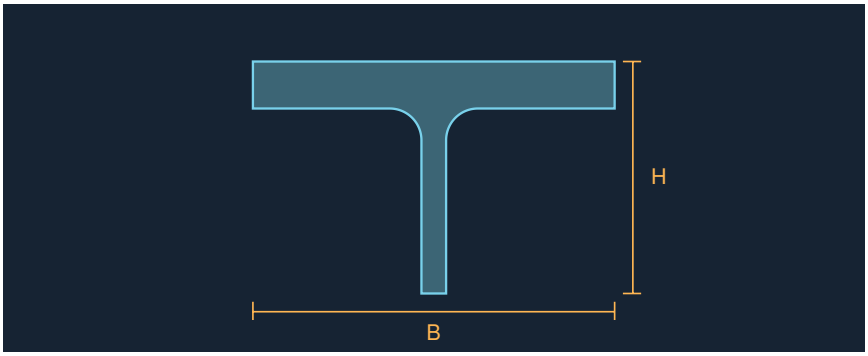
01 / STRUCTURAL PROFILES

Dimensions and variants

MHEM

1/2

19 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MHE 360 M

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MHE 100 M	60	106	12	20	12	0	0
MHE 120 M	70	126	12.5	21	12	0	0
MHE 140 M	80	146	13	22	12	0	0
MHE 160 M	90	166	14	23	15	0	0
MHE 180 M	100	186	14.5	24	15	0	0
MHE 200 M	110	206	15	25	18	0	0
MHE 220 M	120	226	15.5	26	18	0	0
MHE 240 M	135	248	18	32	21	0	0
MHE 260 M	145	268	18	32.5	24	0	0
MHE 280 M	155	288	18.5	33	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21988	813	53	53	15.7	44.3	0	2661.81	20.8952
21991	816	63	63	17.2	52.8	0	3320.31	26.0644
21994	819	73	73	18.7	61.3	0	4027.81	31.6183
21997	822	83	83	20.5	69.5	0	4852.57	38.0927
22000	825	93	93	22	78	0	5662.57	44.4512
22003	828	103	103	23.5	86.5	0	6564.06	51.5279
22006	831	113	113	25	95	0	7472.06	58.6557
22009	834	124	124	28.9	106.1	0	9979.28	78.3373
22012	837	134	134	30.1	114.9	0	10982.2	86.2104
22015	840	144	144	31.5	123.5	0	12008.2	94.2645

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

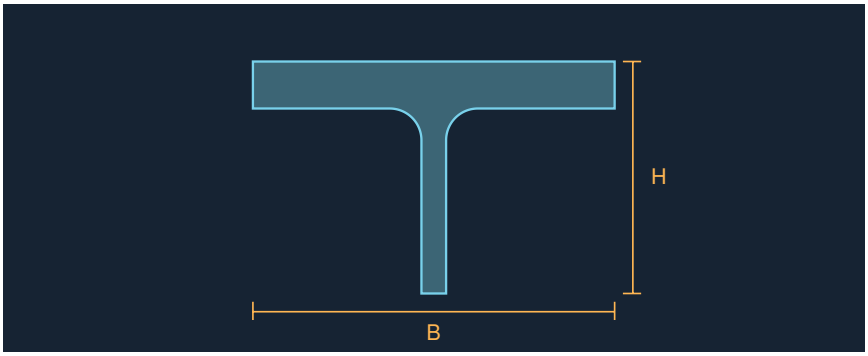
01 / STRUCTURAL PROFILES

Dimensions and variants

MHEM

2/2

19 catalog variants / entries 11-19. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MHE 360 M

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MHE 300 M	170	310	21	39	27	0	0
MHE 320 M	179.5	309	21	40	27	0	0
MHE 340 M	188.5	309	21	40	27	0	0
MHE 360 M	197.5	308	21	40	27	0	0
MHE 400 M	216	307	21	40	27	0	0
MHE 450 M	239	307	21	40	27	0	0
MHE 500 M	262	306	21	40	27	0	0
MHE 550 M	286	306	21	40	27	0	0
MHE 600 M	310	305	21	40	27	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22018	843	155	155	35.5	134.5	0	15153.9	118.958
22021	846	154.5	154.5	37.4	142.1	0	15602.4	122.479
22024	849	154.5	154.5	39.1	149.4	0	15791.4	123.962
22027	852	154	154	41	156.5	0	15934.1	125.083
22030	855	153.5	153.5	45	171	0	16288.9	127.868
22033	858	153.5	153.5	50.3	188.7	0	16771.9	131.659
22036	861	153	153	55.9	206.1	0	17214.9	135.137
22039	864	153	153	62.2	223.8	0	17718.9	139.093
22042	867	152.5	152.5	68.7818	241.218	0	18182.9	142.736

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

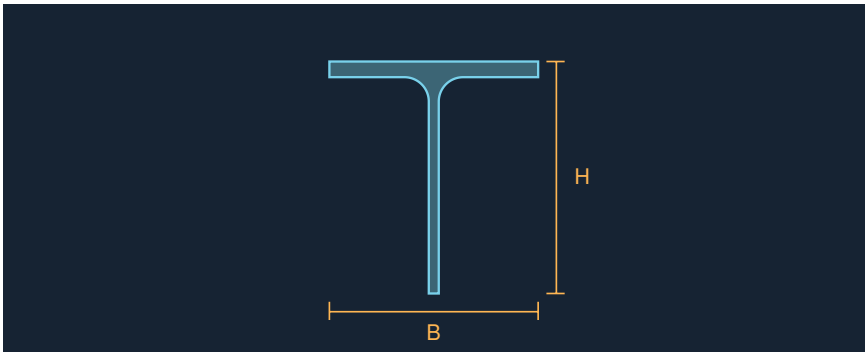
01 / STRUCTURAL PROFILES

Dimensions and variants

MIPE

1/2

18 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MIPE 400

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MIPE 80	40	46	3.8	5.2	5	0	0
MIPE 100	50	55	4.1	5.7	7	0	0
MIPE 120	60	64	4.4	6.3	7	0	0
MIPE 140	70	73	4.7	6.9	7	0	0
MIPE 160	80	82	5	7.4	9	0	0
MIPE 180	90	91	5.3	8	9	0	0
MIPE 200	100	100	5.6	8.5	12	0	0
MIPE 220	110	110	5.9	9.2	12	0	0
MIPE 240	120	120	6.2	9.8	15	0	0
MIPE 270	135	135	6.6	10.2	15	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22060	885	23	23	9.62484	30.3752	0	382.17	3.00004
22043	868	27.5	27.5	11.827	38.173	0	516.161	4.05186
22044	869	32	32	14.0318	45.9682	0	660.511	5.18501
22045	870	36.5	36.5	16.2168	53.7832	0	821.301	6.44721
22046	871	41	41	18.3516	61.6484	0	1004.57	7.88584
22047	872	45.5	45.5	20.5	69.5	0	1197.37	9.39932
22048	873	50	50	22.5397	77.4603	0	1424.21	11.18
22049	874	55	55	24.4736	85.5264	0	1668.53	13.0979
22050	875	60	60	26.2677	93.7323	0	1955.81	15.3531
22051	876	67.5	67.5	29.6573	105.343	0	2297.25	18.0334

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

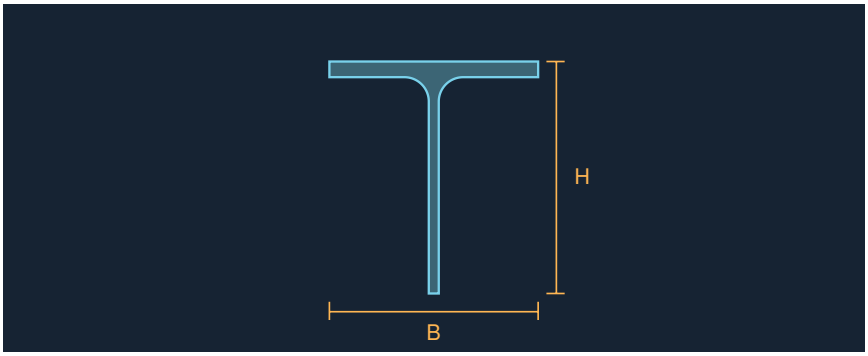
01 / STRUCTURAL PROFILES

Dimensions and variants

MIPE

2/2

18 catalog variants / entries 11-18. Lengths: mm; area: mm2; mass: kg/m.



Typical section: MIPE 400

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
MIPE 300	150	150	7.1	10.7	15	0	0
MIPE 330	165	160	7.5	11.5	18	0	0
MIPE 360	180	170	8	12.7	18	0	0
MIPE 400	200	180	8.6	13.5	21	0	0
MIPE 450	225	190	9.4	14.6	21	0	0
MIPE 500	250	200	10.2	16	21	0	0
MIPE 550	275	210	11.1	17.2	24	0	0
MIPE 600	300	220	12	19	24	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22052	877	75	75	33.2313	116.769	0	2690.6	21.1212
22053	878	80	80	36.5255	128.475	0	3130.31	24.573
22054	879	85	85	39.8711	140.129	0	3636.46	28.5462
22055	880	90	90	45.2412	154.759	0	4223.18	33.152
22056	881	95	95	52.79	172.21	0	4941.04	38.7872
22057	882	100	100	60.0686	189.931	0	5776.08	45.3422
22058	883	105	105	67.6582	207.342	0	6720.8	52.7583
22059	884	110	110	74.8238	225.176	0	7799.22	61.2239

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

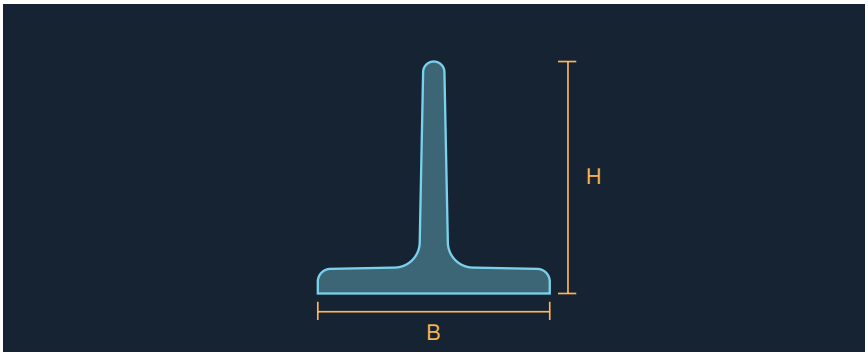
01 / STRUCTURAL PROFILES

Dimensions and variants

TEAE

1/1

7 catalog variants / entries 1-7. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TEAE 100x11

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TEAE 30x4	30	30	4	4	4	2	0
TEAE 35x4,5	35	35	4.5	4.5	4.5	2.5	0
TEAE 40x5	40	40	5	5	5	2.5	0
TEAE 50x6	50	50	6	6	6	3	0
TEAE 60x7	60	60	7	7	7	3.5	0
TEAE 80x9	80	80	9	9	9	4.5	0
TEAE 100x11	100	100	11	11	11	5.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23014	1846	15	15	21.4656	8.53439	0	226	1.7741
23015	1847	17.5	17.5	25.1165	9.88353	0	297	2.33145
23016	1848	20	20	28.7686	11.2314	0	377	2.95945
23017	1849	25	25	36.0742	13.9258	0	566	4.4431
23018	1850	30	30	43.3812	16.6188	0	794	6.2329
23019	1851	40	40	57.9978	22.0022	0	1360	10.676
23013	1845	50	50	72.6162	27.3838	0	2090	16.4065

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

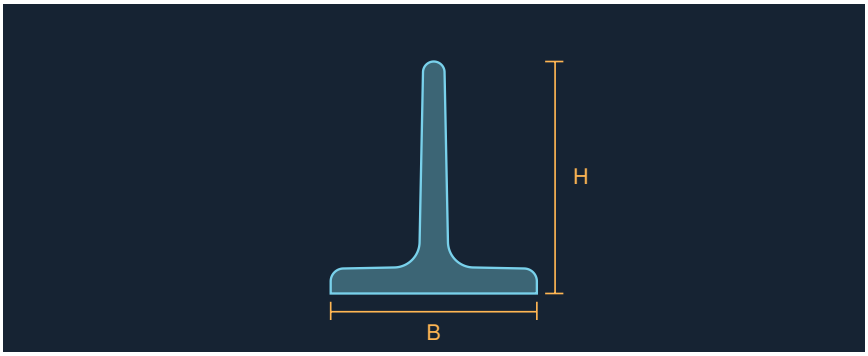
01 / STRUCTURAL PROFILES

Dimensions and variants

TEAI

1/1

4 catalog variants / entries 1-4. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TEAI 40x5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TEAI 30x4	35	30	4	4	4	2	0
TEAI 35x4	40	35	4	4	4	2	0
TEAI 35x4,5	40	35	4.5	4.5	4	2	0
TEAI 40x5	45	40	5	5	5	2.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23020	1852	15	15	24.7236	10.2764	0	248	1.9468
23021	1853	17.5	17.5	28.6314	11.3686	0	287	2.25295
23022	1854	17.5	17.5	28.3562	11.6438	0	318	2.4963
23023	1855	20	20	32.0439	12.9561	0	401	3.14785

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

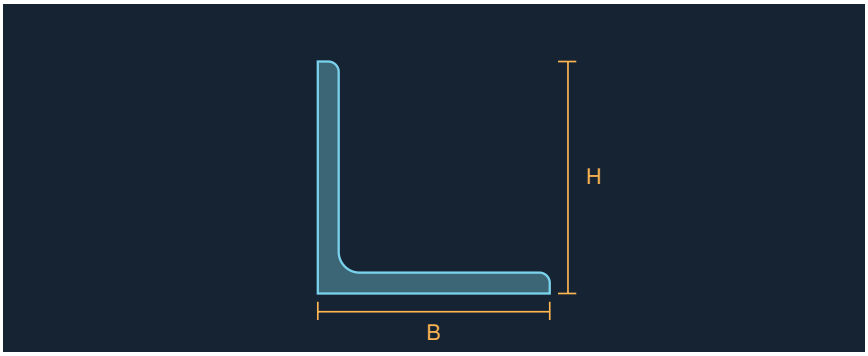
01 / STRUCTURAL PROFILES

Dimensions and variants

CAE

1/6

51 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAE 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAE 20x3	20	20	3	3	4	2	0
CAE 25x3	25	25	3	3	4	2	0
CAE 30x3	30	30	3	3	5	2.5	0
CAE 30x4	30	30	4	4	5	2.5	0
CAE 35x3	35	35	3	3	5	2.5	0
CAE 35x3,5	35	35	3.5	3.5	4	2	0
CAE 35x4	35	35	4	4	5	2.5	0
CAE 40x3	40	40	3	3	5	2.5	0
CAE 40x4	40	40	4	4	6	3	0
CAE 40x5	40	40	5	5	6	3	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21198	21	14	6	14	6	0	112.717	0.884827
21199	22	17.8	7.2	17.8	7.2	0	142.717	1.12033
21200	23	21.6	8.4	21.6	8.4	0	173.683	1.36341
21201	24	21.2	8.8	21.2	8.8	0	226.683	1.77946
21202	25	25.3	9.7	25.3	9.7	0	203.7	1.6
21203	26	25.1	9.9	25.1	9.9	0	235.433	1.84815
21204	27	25	10	25	10	0	266.683	2.09346
21205	28	29.2	10.8	29.2	10.8	0	234.863	1.84367
21206	29	28.8	11.2	28.8	11.2	0	307.863	2.41672
21207	30	28.4	11.6	28.4	11.6	0	378.863	2.97407

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

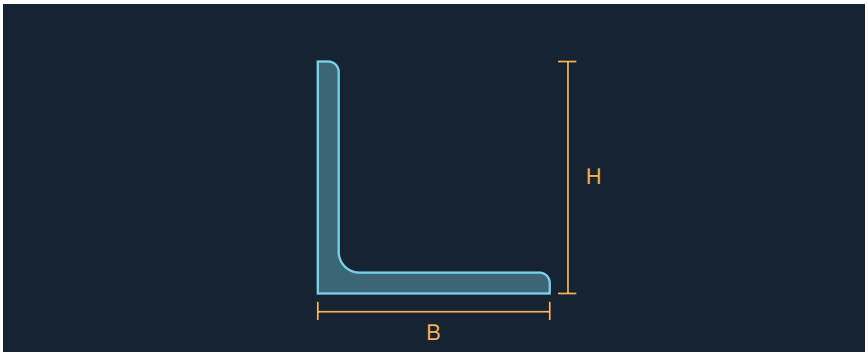
01 / STRUCTURAL PROFILES

Dimensions and variants

CAE

2/6

51 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAE 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAE 45x3	45	45	3	3	5	2.5	0
CAE 45x4	45	45	4	4	6	3	0
CAE 45x4,5	45	45	4.5	4.5	7	3.5	0
CAE 45x5	45	45	5	5	7	3.5	0
CAE 50x3	50	50	3	3	5	2.5	0
CAE 50x4	50	50	4	4	6	3	0
CAE 50x5	50	50	5	5	7	3.5	0
CAE 50x6	50	50	6	6	7	3.5	0
CAE 50x7	50	50	7	7	7	3.5	0
CAE 60x4	60	60	4	4	8	4	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21208	31	32.9	12.1	32.9	12.1	0	266.258	2.09012
21209	32	32.6	12.4	32.6	12.4	0	349.258	2.74167
21210	33	32.4	12.6	32.4	12.6	0	390.008	3.06156
21211	34	32.2	12.8	32.2	12.8	0	430.258	3.37752
21212	35	36.7	13.3	36.7	13.3	0	296.258	2.32562
21213	36	36.3	13.7	36.3	13.7	0	389.258	3.05567
21214	37	36	14	36	14	0	480.258	3.77002
21215	38	35.5	14.5	35.5	14.5	0	569.258	4.46867
21216	39	35.1	14.9	35.1	14.9	0	656.258	5.15162
21217	40	44	16	44	16	0	470.867	3.69631

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

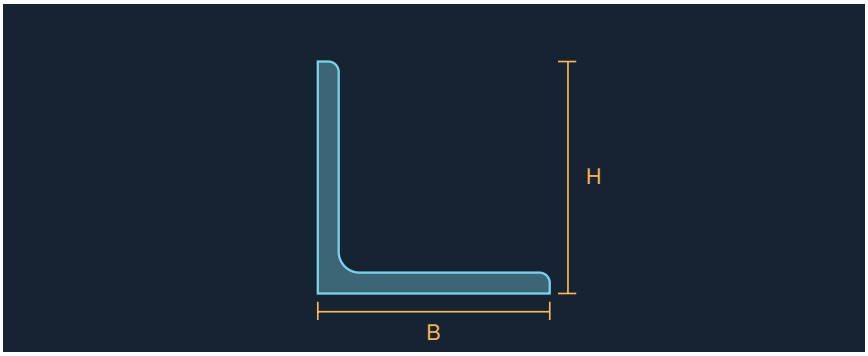
01 / STRUCTURAL PROFILES

Dimensions and variants

CAE

3/6

51 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAE 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAE 60x5	60	60	5	5	8	4	0
CAE 60x6	60	60	6	6	8	4	0
CAE 60x8	60	60	8	8	8	4	0
CAE 70x5	70	70	5	5	9	4.5	0
CAE 70x6	70	70	6	6	9	4.5	0
CAE 70x7	70	70	7	7	9	4.5	0
CAE 80x5,5	80	80	5.5	5.5	10	5	0
CAE 80x6,5	80	80	6.5	6.5	10	5	0
CAE 80x8	80	80	8	8	10	5	0
CAE 90x6	90	90	6	6	11	5.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21218	41	43.6	16.4	43.6	16.4	0	581.867	4.56766
21219	42	43.1	16.9	43.1	16.9	0	690.867	5.42331
21220	43	42.3	17.7	42.3	17.7	0	902.867	7.08751
21221	44	51.2	18.8	51.2	18.8	0	683.691	5.36698
21222	45	50.7	19.3	50.7	19.3	0	812.691	6.37963
21223	46	50.3	19.7	50.3	19.7	0	939.691	7.37658
21224	47	58.6	21.4	58.6	21.4	0	860.48	6.75477
21225	48	58.1	21.9	58.1	21.9	0	1008.48	7.91657
21226	49	57.4	22.6	57.4	22.6	0	1226.73	9.62983
21227	50	65.9	24.1	65.9	24.1	0	1056.98	8.29732

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

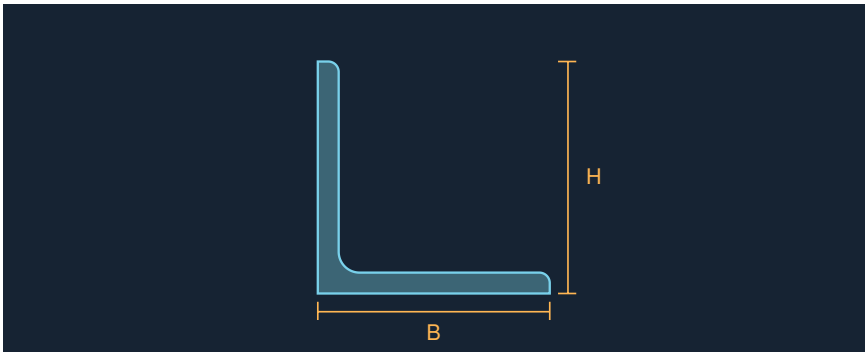
01 / STRUCTURAL PROFILES

Dimensions and variants

CAE

4/6

51 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAE 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAE 90x7	90	90	7	7	11	5.5	0
CAE 90x9	90	90	9	9	11	5.5	0
CAE 100x7	100	100	7	7	12	6	0
CAE 100x8	100	100	8	8	12	6	0
CAE 100x10	100	100	10	10	12	6	0
CAE 100x12	100	100	12	12	12	6	0
CAE 120x8	120	120	8	8	13	6.5	0
CAE 120x10	120	120	10	10	13	6.5	0
CAE 120x12	120	120	12	12	13	6.5	0
CAE 120x15	120	120	15	15	13	6.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21228	51	65.5	24.5	65.5	24.5	0	1223.98	9.60827
21229	52	64.6	25.4	64.6	25.4	0	1551.98	12.1831
21181	4	73.1	26.9	73.1	26.9	0	1366.45	10.7266
21182	5	72.6	27.4	72.6	27.4	0	1551.45	12.1789
21179	2	71.8	28.2	71.8	28.2	0	1915.45	15.0363
21180	3	71	29	71	29	0	2271.45	17.9
21186	9	87.8	32.2	87.8	32.2	0	1874.13	14.712
21183	6	86.9	33.1	86.9	33.1	0	2318.13	18.1974
21184	7	86	34	86	34	0	2754.13	21.7
21185	8	84.9	35.1	84.9	35.1	0	3393.13	26.6361

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

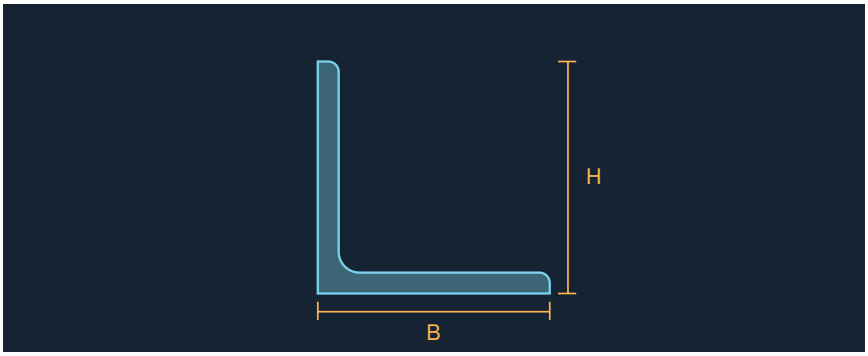
01 / STRUCTURAL PROFILES

Dimensions and variants

CAE

5/6

51 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAE 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAE 135x10	135	135	10	10	14	7	0
CAE 150x10	150	150	10	10	16	8	0
CAE 150x12	150	150	12	12	16	8	0
CAE 150x14	150	150	14	14	16	8	0
CAE 150x15	150	150	15	15	16	8	0
CAE 150x18	150	150	18	18	16	8	0
CAE 180x18	180	180	18	18	18	9	0
CAE 180x20	180	180	20	20	18	18	0
CAE 200x18	200	200	18	18	18	9	0
CAE 200x20	200	200	20	20	18	9	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21187	10	97.5	37.5	97.5	37.5	0	2621	20.6
21188	11	109.7	40.3	109.7	40.3	0	2927.47	22.9806
21189	12	108.8	41.2	108.8	41.2	0	3483.47	27.3452
21190	13	107.9	42.1	107.9	42.1	0	4031.47	31.647
21191	14	107.5	42.5	107.5	42.5	0	4302.47	33.7744
21192	15	106.3	43.7	106.3	43.7	0	5103.47	40.0622
21193	16	129	51	129	51	0	6190.77	48.5975
21194	17	128.2	51.8	128.2	51.8	0	6834.8	53.7
21195	18	144	56	144	56	0	6910.77	54.2495
21196	19	143.2	56.8	143.2	56.8	0	7634.77	59.9329

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

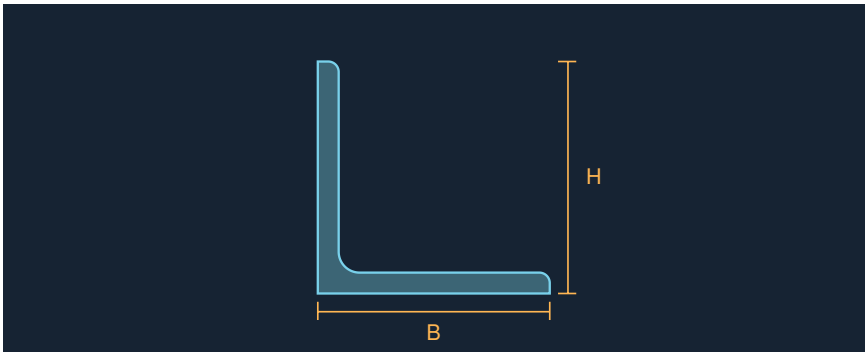
01 / STRUCTURAL PROFILES

Dimensions and variants

CAE

6/6

51 catalog variants / entries 51-51. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAE 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAE 200x24	200	200	24	24	18	9	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21197	20	141.624	58.3758	141.624	58.3758	0	9058.77	71.1113

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

CAEP

1/6

51 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: CAEP 200x18

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAEP 20x3	20	20	3	3	4	2	0
CAEP 25x3	25	25	3	3	4	2	0
CAEP 30x3	30	30	3	3	5	2.5	0
CAEP 30x4	30	30	4	4	5	2.5	0
CAEP 35x3	35	35	3	3	4	2	0
CAEP 35x3,5	35	35	3.5	3.5	4	2	0
CAEP 35x4	35	35	4	4	5	2.5	0
CAEP 40x3	40	40	3	3	5	2.5	0
CAEP 40x4	40	40	4	4	6	3	0
CAEP 40x5	40	40	5	5	6	3	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21249	72	7	8.4	14.1	14.1	45	112.717	0.884827
21250	73	8.8	10.2	17.7	17.7	45	142.717	1.12033
21251	74	10.5	11.8	21.2	21.2	45	173.683	1.36341
21252	75	10.6	12.4	21.2	21.2	45	226.683	1.77946
21253	76	12.3	13.7	24.7	24.7	45	202.717	1.59133
21254	77	12.3	14	24.7	24.7	45	234.467	1.84056
21255	78	12.3	14.2	24.7	24.7	45	266.683	2.09346
21256	79	14.1	15.3	28.3	28.3	45	233.683	1.83441
21257	80	14.1	15.8	28.3	28.3	45	307.863	2.41672
21258	81	14.2	16.4	28.3	28.3	45	378.863	2.97407

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

CAEP

2/6

51 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: CAEP 200x18

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAEP 45x3	45	45	3	3	5	2.5	0
CAEP 45x4	45	45	4	4	6	3	0
CAEP 45x4,5	45	45	4.5	4.5	7	3.7	0
CAEP 45x5	45	45	5	5	7	4.5	0
CAEP 50x3	50	50	3	3	5	2.5	0
CAEP 50x4	50	50	4	4	6	3	0
CAEP 50x5	50	50	5	5	7	3.5	0
CAEP 50x6	50	50	6	6	7	3.5	0
CAEP 50x7	50	50	7	7	7	3.5	0
CAEP 60x4	60	60	4	4	8	4	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21259	82	15.8	17.1	31.8	31.8	45	263.683	2.06991
21260	83	15.8	17.6	31.8	31.8	45	347.863	2.73072
21261	84	15.6	17.8	31.8	31.8	45	389.39	3.05671
21262	85	15.4	18.1	31.8	31.8	45	426.824	3.35057
21263	86	17.7	18.8	35.4	35.4	45	293.683	2.30541
21264	87	17.6	19.4	35.4	35.4	45	387.863	3.04472
21265	88	17.6	19.9	35.4	35.4	45	480.258	3.77002
21266	89	17.8	20.4	35.4	35.4	45	569.258	4.46867
21267	90	17.9	21	35.4	35.4	45	656.258	5.15162
21268	91	21	22.6	42.4	42.4	45	470.867	3.69631

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

CAEP

3/6

51 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: CAEP 200x18

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAEP 60x5	60	60	5	5	8	4	0
CAEP 60x6	60	60	6	6	8	4	0
CAEP 60x8	60	60	8	8	8	4	0
CAEP 70x5	70	70	5	5	9	4.5	0
CAEP 70x6	70	70	6	6	9	4.5	0
CAEP 70x7	70	70	7	7	9	4.5	0
CAEP 80x5,5	80	80	5.5	5.5	10	5	0
CAEP 80x6,5	80	80	6.5	6.5	10	5	0
CAEP 80x8	80	80	8	8	10	5	0
CAEP 90x6	90	90	6	6	11	5.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21269	92	21.1	23.2	42.4	42.4	45	581.867	4.56766
21270	93	21.1	23.9	42.4	42.4	45	690.867	5.42331
21271	94	21.4	25	42.4	42.4	45	902.867	7.08751
21272	95	24.6	26.6	49.5	49.5	45	683.691	5.36698
21273	96	24.6	27.3	49.5	49.5	45	812.691	6.37963
21274	97	24.7	27.9	49.5	49.5	45	939.691	7.37658
21275	98	28.1	30.3	56.6	56.6	45	860.48	6.75477
21276	99	28.2	30.9	56.6	56.6	45	1008.48	7.91657
21277	100	28.3	31.9	56.6	56.6	45	1226.73	9.62983
21278	101	31.6	34	63.6	63.6	45	1056.98	8.29732

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

CAEP

4/6

51 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: CAEP 200x18

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAEP 90x7	90	90	7	7	11	5.5	0
CAEP 90x9	90	90	9	9	11	5.5	0
CAEP 100x7	100	100	7	7	12	6	0
CAEP 100x8	100	100	8	8	12	6	0
CAEP 100x10	100	100	10	10	12	6	0
CAEP 100x12	100	100	12	12	12	6	0
CAEP 120x8	120	120	8	8	13	6.5	0
CAEP 120x10	120	120	10	10	13	6.5	0
CAEP 120x12	120	120	12	12	13	6.5	0
CAEP 120x15	120	120	15	15	13	6.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21279	102	31.6	34.7	63.6	63.6	45	1223.98	9.60827
21280	103	31.8	35.9	63.6	63.6	45	1551.98	12.1831
21232	55	35.1	38.1	70.7	70.7	45	1366.45	10.7266
21233	56	35.2	38.7	70.7	70.7	45	1551.45	12.1789
21230	53	35.4	39.9	70.7	70.7	45	1915.45	15.0363
21231	54	35.6	41.1	70.7	70.7	45	2271.45	17.8309
21237	60	42.3	45.6	84.9	84.9	45	1874.13	14.712
21234	57	42.4	46.9	84.9	84.9	45	2318.13	18.1974
21235	58	42.7	48	84.9	84.9	45	2754.13	21.62
21236	59	43.1	49.7	84.9	84.9	45	3393.13	26.6361

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

CAEP

5/6

51 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAEP 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAEP 135x10	135	135	10	10	14	7	0
CAEP 150x9	150	150	10	10	16	8	0
CAEP 150x12	150	150	12	12	16	8	0
CAEP 150x14	150	150	14	14	16	8	0
CAEP 150x15	150	150	15	15	16	8	0
CAEP 150x18	150	150	18	18	16	8	0
CAEP 180x18	180	180	18	18	18	9	0
CAEP 180x20	180	180	20	20	18	9	0
CAEP 200x18	200	200	18	18	18	9	0
CAEP 200x20	200	200	20	20	18	9	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21238	61	47.6	52	95.4	95.4	45	2621.03	20.5751
21243	66	52.8	57.1	106.1	106.1	45	2927.47	22.9806
21239	62	53	58.3	106.1	106.1	45	3483.47	27.3452
21240	63	53.2	59.5	106.1	106.1	45	4031.47	31.647
21241	64	53.3	60.1	106.1	106.1	45	4302.47	33.7744
21242	65	53.8	61.7	106.1	106.1	45	5103.47	40.0622
21244	67	64.1	72.2	127.3	127.3	45	6190.77	48.5975
21245	68	64.4	73.3	127.3	127.3	45	6834.77	53.6529
21246	69	71.1	79.3	141.4	141.4	45	6910.77	54.2495
21247	70	71.4	80.4	141.4	141.4	45	7634.77	59.9329

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

CAEP

6/6

51 catalog variants / entries 51-51. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAEP 200x18

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAEP 200x24	200	200	24	24	18	9	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21248	71	72	82.6	141.4	141.4	45	9058.77	71.1113

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

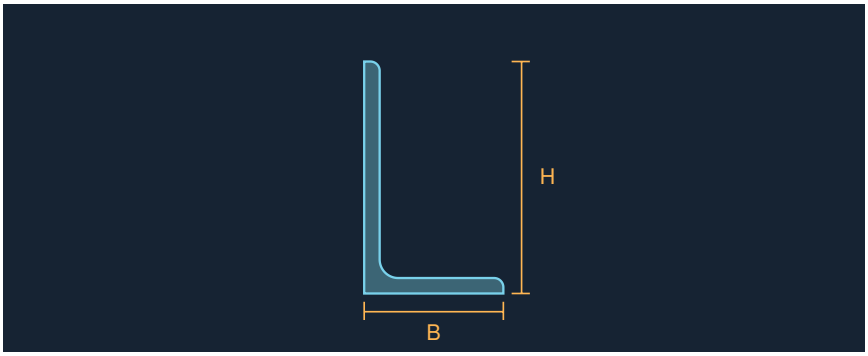
01 / STRUCTURAL PROFILES

Dimensions and variants

CAI

1/3

23 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAI 150x90x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAI 30x20x3	30	20	3	3	4	2	0
CAI 35x20x3,5	35	20	3.5	3.5	4	2	0
CAI 40x20x3	40	20	3	3	4	2	0
CAI 40x20x4	40	20	4	4	4	2	0
CAI 40x25x4	40	25	4	4	4	2	0
CAI 45x30x4	45	30	4	4	4	2	0
CAI 45x30x5	45	30	5	5	4	2	0
CAI 50x30x5	50	30	5	5	5	2.5	0
CAI 60x40x5	60	40	5	5	6	3	0
CAI 60x40x6	60	40	6	6	6	3	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21288	111	15	5	20.1	9.9	0	142.717	1.12033
21289	112	15.4	4.6	22.7	12.3	0	181.967	1.42844
23322	113	15.8	4.2	25.8	14.2	0	173	1.36
23323	114	15.2	4.8	25.3	14.7	0	226	1.77
21290	115	18.8	6.2	26.4	13.6	0	245.717	1.92888
21291	116	22.6	7.4	30.2	14.8	0	285.717	2.24288
21292	117	22.2	7.8	29.8	15.2	0	351.717	2.76098
21293	118	22.6	7.4	32.7	17.3	0	377.683	2.96481
21294	119	30.3	9.7	40.4	19.6	0	478.863	3.75907
21295	120	29.9	10.1	40	20	0	567.863	4.45772

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

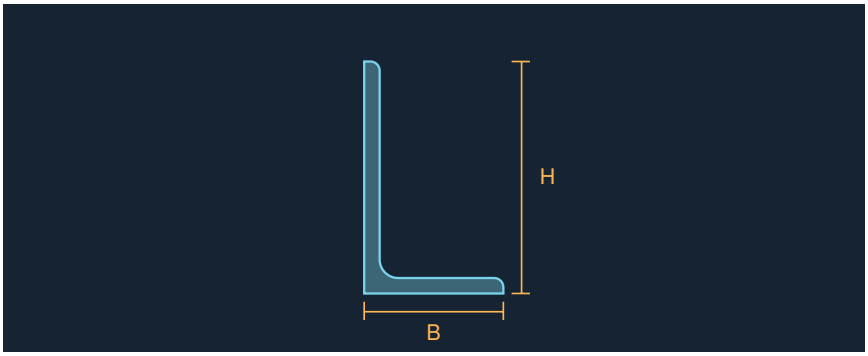
01 / STRUCTURAL PROFILES

Dimensions and variants

CAI

2/3

23 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAI 150x90x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAI 70x50x6	70	50	6	6	6	3	0
CAI 70x50x7	70	50	7	7	6	3	0
CAI 80x50x7	80	50	7	7	6	3	0
CAI 80x60x7	80	60	7	7	8	4	0
CAI 80x60x8	80	60	8	8	8	4	0
CAI 90x70x8	90	70	8	8	8	4	0
CAI 100x75x8	100	75	8	8	8	4	0
CAI 100x80x9	100	80	9	9	8	4.5	0
CAI 120x80x10	120	80	10	10	11	5.5	0
CAI 120x80x12	120	80	12	12	11	5.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21296	121	37.5	12.5	47.6	22.4	0	687.863	5.39972
21297	122	37.1	12.9	47.2	22.8	0	794.863	6.23967
21298	123	37.8	12.2	53.1	26.9	0	865	6.79
21299	124	44.8	15.2	54.9	25.1	0	937.867	7.36226
21300	125	44.4	15.6	54.5	25.5	0	1062.87	8.34351
21301	126	51.9	18.1	62	28	0	1222.87	9.59951
21281	104	56.3	18.7	69	31	0	1350	10.6
21282	105	59	21	69.5	30.5	0	1547.69	12.1494
21283	106	60.5	19.5	80.8	39.2	0	1912.98	15.0169
21284	107	59.7	20.3	80	40	0	2268.98	17.8115

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

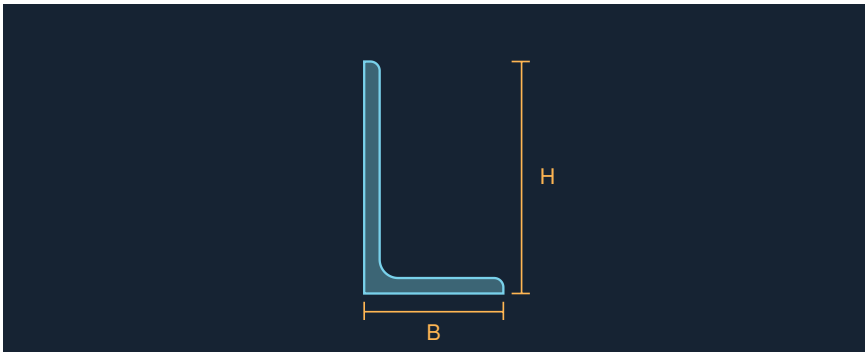
01 / STRUCTURAL PROFILES

Dimensions and variants

CAI

3/3

23 catalog variants / entries 21-23. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAI 150x90x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAI 150x90x10	150	90	10	10	12	6	0
CAI 150x90x11	150	90	11	11	12	6	0
CAI 150x90x12	150	90	12	12	12	6	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21285	108	69.6	20.4	100	50	0	2315.45	18.1763
21286	109	69.3	20.7	99.7	50.3	0	2534.45	19.8954
21287	110	68.8	21.2	99.2	50.8	0	2751.45	21.5989

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

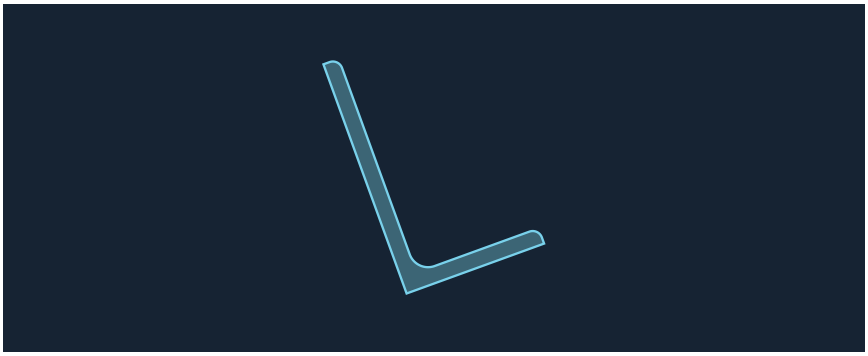
01 / STRUCTURAL PROFILES

Dimensions and variants

CAIP

1/3

21 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: CAIP 150x90x10

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAIP 30x20x3	30	20	3	3	4	2	0
CAIP 35x20x3,5	35	20	3.5	3.5	4	2	0
CAIP 40x25x4	40	25	4	4	4	2	0
CAIP 45x30x4	45	30	4	4	4	2	0
CAIP 45x30x5	45	30	5	5	4	2	0
CAIP 50x30x5	50	30	5	5	5	2.5	0
CAIP 60x40x5	60	40	5	5	6	3	0
CAIP 60x40x6	60	40	6	6	6	3	0
CAIP 70x50x6	70	50	6	6	6	3	0
CAIP 70x50x7	70	50	7	7	6	3	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21309	134	10.4	8.5	20.5	15	23.27	142.7	1.1
21310	135	13.1	6.9	21.6	17.26	17.85	182	1.4
21311	136	13.5	10.65	26.9	19.41	20.91	245.7	1.9
21312	137	15.8	12.68	30.6	22.57	23.46	285.7	2.2
21313	138	15.7	13.16	30.4	22.72	23.22	351.7	2.8
21314	139	16.5	12.75	33.3	23.85	19.49	377.7	3
21315	140	21	16.74	41	30.09	23.61	478.9	3.8
21316	141	21	17.21	40.8	30.23	23.41	567.9	4.5
21317	142	25.2	21.2	48.2	36.81	26.57	687.9	5.4
21318	143	25.2	21.69	48	36.91	26.38	794.9	6.2

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

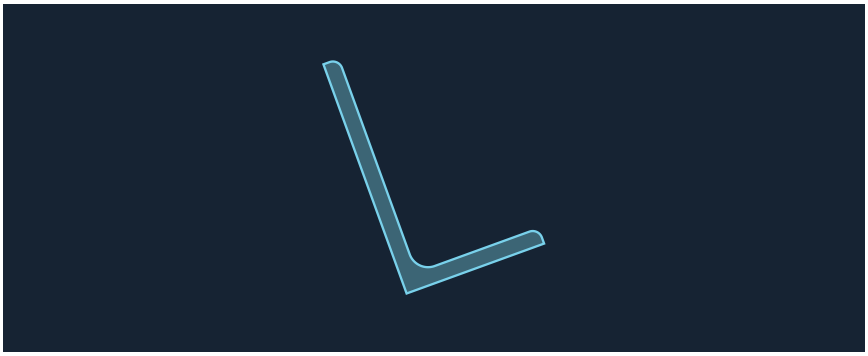
01 / STRUCTURAL PROFILES

Dimensions and variants

CAIP

2/3

21 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CAIP 150x90x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAIP 80x50x7	80	50	7	7	6	3	0
CAIP 80x60x7	80	60	7	7	8	4	0
CAIP 80x60x8	80	60	8	8	8	4	0
CAIP 90x70x8	90	70	8	8	8	4	0
CAIP 100x75x8	100	75	8	8	8	4	0
CAIP 100x80x9	100	80	9	9	8	4.5	0
CAIP 120x80x10	120	80	10	10	10	5.5	0
CAIP 120x80x12	120	80	12	12	11	5.5	0
CAIP 150x90x10	150	90	10	10	12	6	0
CAIP 150x90x11	150	90	11	11	12	6	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21319	144	27.9	21	53.7	38.62	20.91	865	6.8
21320	145	29.2	25.41	55.5	43.58	28.81	937.9	7.4
21321	146	29.2	25.92	55.3	43.68	28.68	1062.9	8.3
21322	147	33	29.84	62.6	50.54	30.63	1222.9	9.6
21302	127	36.5	31.28	69.51	54.22	28.68	1350	10.6
21303	128	37.5	33.98	70.1	57.16	32.05	1547.7	12.1
21304	129	42.1	33.59	81.9	60.18	23.65	1913	15
21305	130	42	34.48	81.5	60.37	23.32	2269	17.8
21306	131	50.3	36.24	101	70.75	19.95	2315.4	18.2
21307	132	50.2	36.59	101	70.88	19.9	2534.5	19.9

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

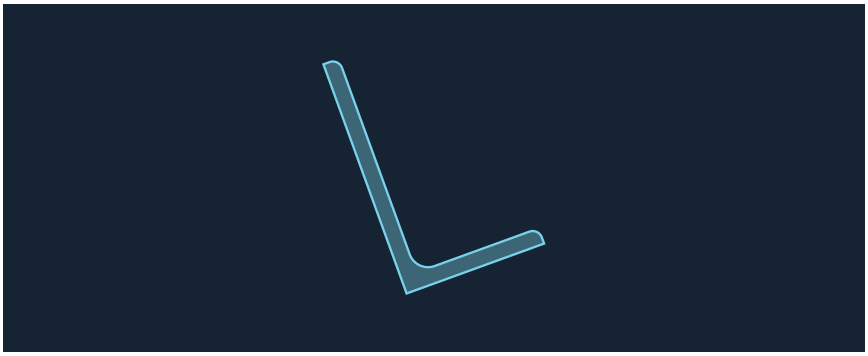
01 / STRUCTURAL PROFILES

Dimensions and variants

CAIP

3/3

21 catalog variants / entries 21-21. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: CAIP 150x90x10

REFERENCE	H	B	EA	ES	RA	RS	GAP
CAIP 150x90x12	150	90	12	12	12	6	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21308	133	50	37.08	101	71.02	19.7	2751.5	21.6

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

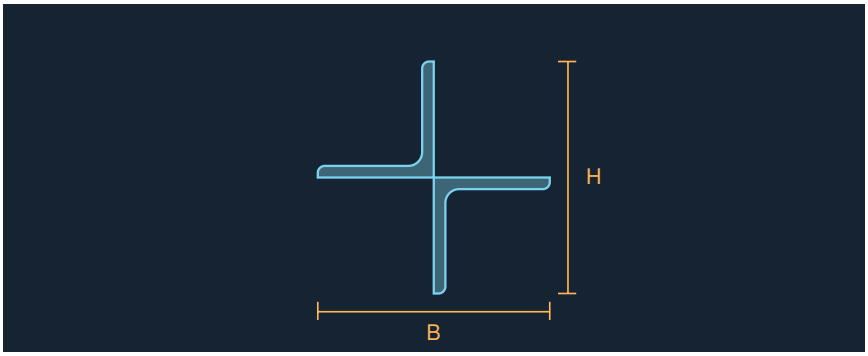
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

1/9

86 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 30	60	60	3	3	5	2.5	0
DCEC 30x4	64	64	3	3	5	2.5	4
DCEC 30x5	65	65	3	3	5	2.5	5
DCEC 30x6	66	66	3	3	5	2.5	6
DCEC 35	70	70	3.5	3.5	4	2	0
DCEC 35x4	74	74	3.5	3.5	4	2	4
DCEC 35x5	75	75	3.5	3.5	4	2	5
DCEC 35x6	76	76	3.5	3.5	4	2	6
DCEC 40	80	80	4	4	6	3	0
DCEC 40x4	84	84	4	4	6	3	4

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21385	210	30	30	30	30	0	347.365	2.72682
21386	211	32	32	32	32	0	347.365	2.72682
21387	212	32.5	32.5	32.5	32.5	0	347.365	2.72682
21388	213	33	33	33	33	0	347.365	2.72682
21389	214	35	35	35	35	0	468.934	3.68113
21390	215	37	37	37	37	0	468.934	3.68113
21391	216	37.5	37.5	37.5	37.5	0	468.934	3.68113
21392	217	38	38	38	38	0	468.934	3.68113
21393	218	40	40	40	40	0	615.726	4.83345
21394	219	42	42	42	42	0	615.726	4.83345

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

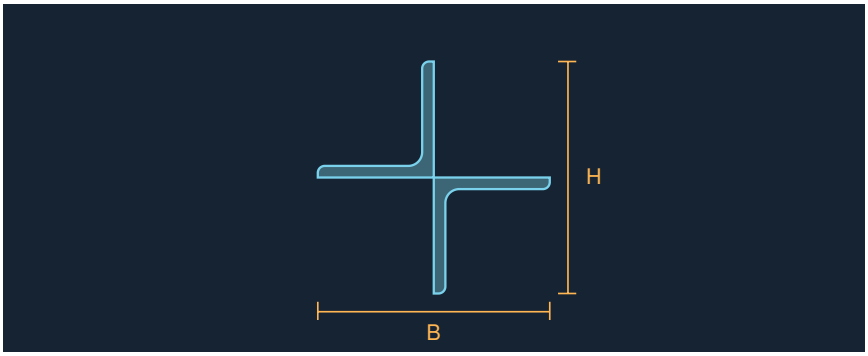
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

2/9

86 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 40x5	85	85	4	4	6	3	5
DCEC 40x6	86	86	4	4	6	3	6
DCEC 40x7	87	87	4	4	6	3	7
DCEC 40x8	88	88	4	4	6	3	8
DCEC 45	90	90	4.5	4.5	7	3.5	0
DCEC 45x4	94	94	4.5	4.5	7	3.5	4
DCEC 45x5	95	95	4.5	4.5	7	3.5	5
DCEC 45x6	96	96	4.5	4.5	7	3.5	6
DCEC 45x7	97	97	4.5	4.5	7	3.5	7
DCEC 45x8	98	98	4.5	4.5	7	3.5	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21395	220	42.5	42.5	42.5	42.5	0	615.726	4.83345
21396	221	43	43	43	43	0	615.726	4.83345
21397	222	43.5	43.5	43.5	43.5	0	615.726	4.83345
21398	223	44	44	44	44	0	615.726	4.83345
21399	224	45	45	45	45	0	780.015	6.12312
21400	225	47	47	47	47	0	780.015	6.12312
21401	226	47.5	47.5	47.5	47.5	0	780.015	6.12312
21402	227	48	48	48	48	0	780.015	6.12312
21403	228	48.5	48.5	48.5	48.5	0	780.015	6.12312
21404	229	49	49	49	49	0	780.015	6.12312

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

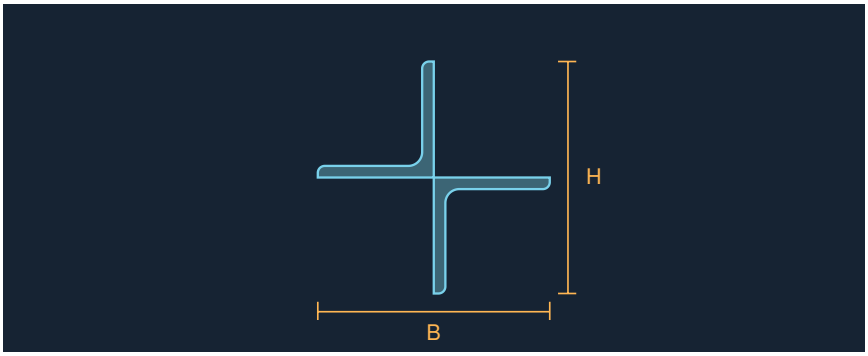
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

3/9

86 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 50	100	100	5	5	7	3.5	0
DCEC 50x4	104	104	5	5	7	3.5	4
DCEC 50x5	105	105	5	5	7	3.5	5
DCEC 50x6	106	106	5	5	7	3.5	6
DCEC 50x7	107	107	5	5	7	3.5	7
DCEC 50x8	108	108	5	5	7	3.5	8
DCEC 50x10	110	110	5	5	7	3.5	10
DCEC 60	120	120	6	6	8	4	0
DCEC 60x5	125	125	6	6	8	4	5
DCEC 60x6	126	126	6	6	8	4	6

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21405	230	50	50	50	50	0	960.515	7.54005
21407	232	52	52	52	52	0	960.515	7.54005
21408	233	52.5	52.5	52.5	52.5	0	960.515	7.54005
21409	234	53	53	53	53	0	960.515	7.54005
21410	235	53.5	53.5	53.5	53.5	0	960.515	7.54005
21411	236	54	54	54	54	0	960.515	7.54005
21406	231	55	55	55	55	0	960.515	7.54005
21412	237	60	60	60	60	0	1381.73	10.8466
21415	240	62.5	62.5	62.5	62.5	0	1381.73	10.8466
21416	241	63	63	63	63	0	1381.73	10.8466

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

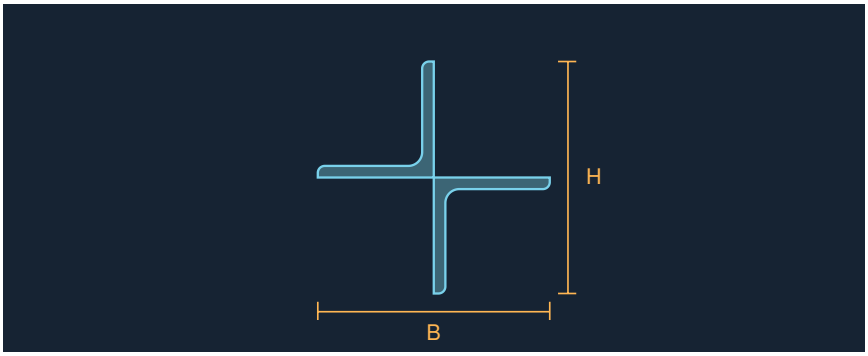
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

4/9

86 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 60x7	127	127	6	6	8	4	7
DCEC 60x8	128	128	6	6	8	4	8
DCEC 60x10	130	130	6	6	8	4	10
DCEC 60x12	132	132	6	6	8	4	12
DCEC 70	140	140	7	7	9	4.5	0
DCEC 70x6	146	146	7	7	9	4.5	6
DCEC 70x7	147	147	7	7	9	4.5	7
DCEC 70x8	148	148	7	7	9	4.5	8
DCEC 70x10	150	150	7	7	9	4.5	10
DCEC 70x12	152	152	7	7	9	4.5	12

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21417	242	63.5	63.5	63.5	63.5	0	1381.73	10.8466
21418	243	64	64	64	64	0	1381.73	10.8466
21413	238	65	65	65	65	0	1381.73	10.8466
21414	239	66	66	66	66	0	1381.73	10.8466
21419	244	70	70	70	70	0	1879.38	14.7532
21422	247	73	73	73	73	0	1879.38	14.7532
21423	248	73.5	73.5	73.5	73.5	0	1879.38	14.7532
21424	249	74	74	74	74	0	1879.38	14.7532
21420	245	75	75	75	75	0	1879.38	14.7532
21421	246	76	76	76	76	0	1879.38	14.7532

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

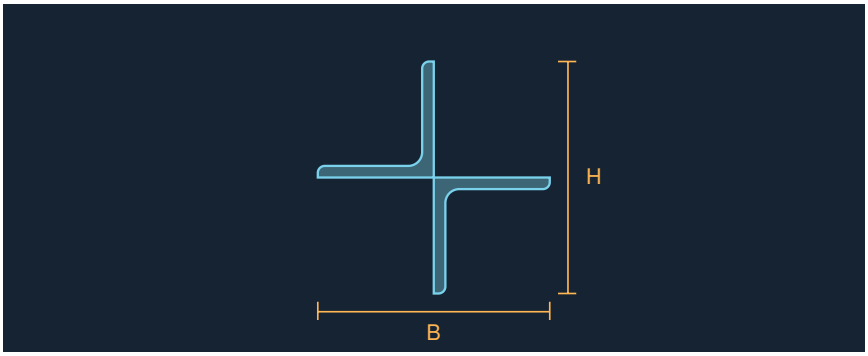
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

5/9

86 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 80	160	160	8	8	10	5	0
DCEC 80x7	167	167	8	8	10	5	7
DCEC 80x8	168	168	8	8	10	5	8
DCEC 80x10	170	170	8	8	10	5	10
DCEC 80x12	172	172	8	8	10	5	12
DCEC 80x14	174	174	8	8	10	5	14
DCEC 90	180	180	9	9	11	5.5	0
DCEC 90x7	187	187	9	9	11	5.5	7
DCEC 90x8	188	188	9	9	11	5.5	8
DCEC 90x10	190	190	9	9	11	5.5	10

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21425	250	80	80	80	80	0	2453.46	19.2597
21429	254	83.5	83.5	83.5	83.5	0	2453.46	19.2597
21430	255	84	84	84	84	0	2453.46	19.2597
21426	251	85	85	85	85	0	2453.46	19.2597
21427	252	86	86	86	86	0	2453.46	19.2597
21428	253	87	87	87	87	0	2453.46	19.2597
21431	256	90	90	90	90	0	3103.97	24.3661
21436	261	93.5	93.5	93.5	93.5	0	3103.97	24.3661
21437	262	94	94	94	94	0	3103.97	24.3661
21432	257	95	95	95	95	0	3103.97	24.3661

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

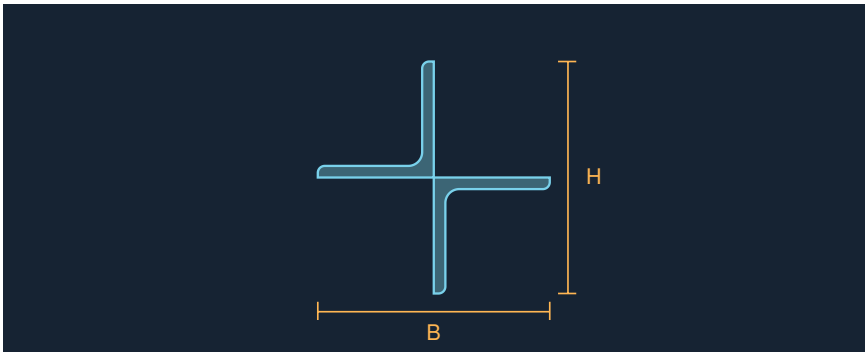
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

6/9

86 catalog variants / entries 51-60. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 90x12	192	192	9	9	11	5.5	12
DCEC 90x14	194	194	9	9	11	5.5	14
DCEC 90x16	196	196	9	9	11	5.5	16
DCEC 100	200	200	10	10	12	6	0
DCEC 100x8	208	208	10	10	12	6	8
DCEC 100x10	210	210	10	10	12	6	10
DCEC 100x12	212	212	10	10	12	6	12
DCEC 100x14	214	214	10	10	12	6	14
DCEC 100x16	216	216	10	10	12	6	16
DCEC 100x18	218	218	10	10	12	6	18

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21433	258	96	96	96	96	0	3103.97	24.3661
21434	259	97	97	97	97	0	3103.97	24.3661
21435	260	98	98	98	98	0	3103.97	24.3661
21352	177	100	100	100	100	0	3830.9	30.0726
21359	184	104	104	104	104	0	3830.9	30.0726
21353	178	105	105	105	105	0	3830.9	30.0726
21354	179	106	106	106	106	0	3830.9	30.0726
21355	180	107	107	107	107	0	3830.9	30.0726
21356	181	108	108	108	108	0	3830.9	30.0726
21357	182	109	109	109	109	0	3830.9	30.0726

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

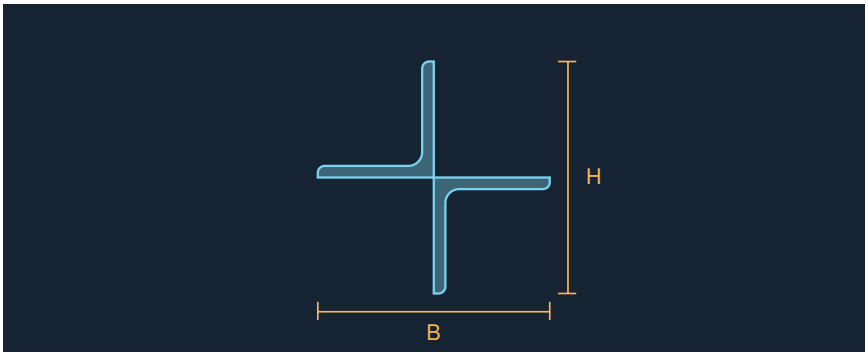
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

7/9

86 catalog variants / entries 61-70. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 100x20	220	220	10	10	12	6	20
DCEC 120	240	240	12	12	13	6.5	0
DCEC 120x8	248	248	12	12	13	6.5	8
DCEC 120x10	250	250	12	12	13	6.5	10
DCEC 120x12	252	252	12	12	13	6.5	12
DCEC 120x14	254	254	12	12	13	6.5	14
DCEC 120x16	256	256	12	12	13	6.5	16
DCEC 120x18	258	258	12	12	13	6.5	18
DCEC 120x20	260	260	12	12	13	6.5	20
DCEC 150	300	300	15	15	16	8	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21358	183	110	110	110	110	0	3830.9	30.0726
21360	185	120	120	120	120	0	5508.27	43.2399
21367	192	124	124	124	124	0	5508.27	43.2399
21361	186	125	125	125	125	0	5508.27	43.2399
21362	187	126	126	126	126	0	5508.27	43.2399
21363	188	127	127	127	127	0	5508.27	43.2399
21364	189	128	128	128	128	0	5508.27	43.2399
21365	190	129	129	129	129	0	5508.27	43.2399
21366	191	130	130	130	130	0	5508.27	43.2399
21368	193	150	150	150	150	0	8604.94	67.5488

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

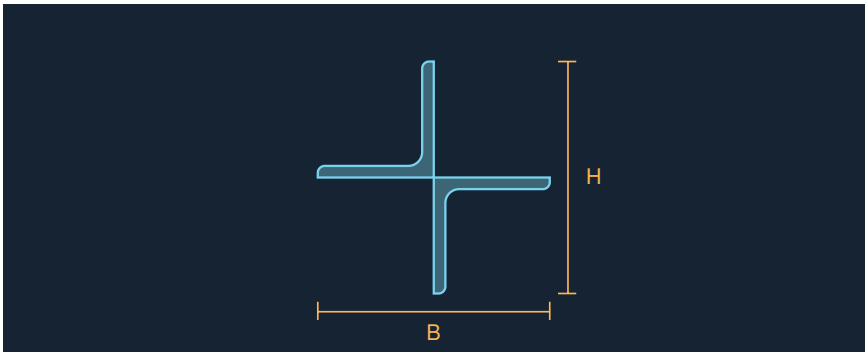
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

8/9

86 catalog variants / entries 71-80. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 150x10	310	310	15	15	16	8	10
DCEC 150x12	312	312	15	15	16	8	12
DCEC 150x14	314	314	15	15	16	8	14
DCEC 150x16	316	316	15	15	16	8	16
DCEC 150x18	318	318	15	15	16	8	18
DCEC 150x20	320	320	15	15	16	8	20
DCEC 180	360	360	18	18	18	9	0
DCEC 180x14	374	374	18	18	18	9	14
DCEC 180x16	376	376	18	18	18	9	16
DCEC 180x18	378	378	18	18	18	9	18

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21369	194	155	155	155	155	0	8604.94	67.5488
21370	195	156	156	156	156	0	8604.94	67.5488
21371	196	157	157	157	157	0	8604.94	67.5488
21372	197	158	158	158	158	0	8604.94	67.5488
21373	198	159	159	159	159	0	8604.94	67.5488
21374	199	160	160	160	160	0	8604.94	67.5488
21375	200	180	180	180	180	0	12381.5	97.195
21376	201	187	187	187	187	0	12381.5	97.195
21377	202	188	188	188	188	0	12381.5	97.195
21378	203	189	189	189	189	0	12381.5	97.195

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

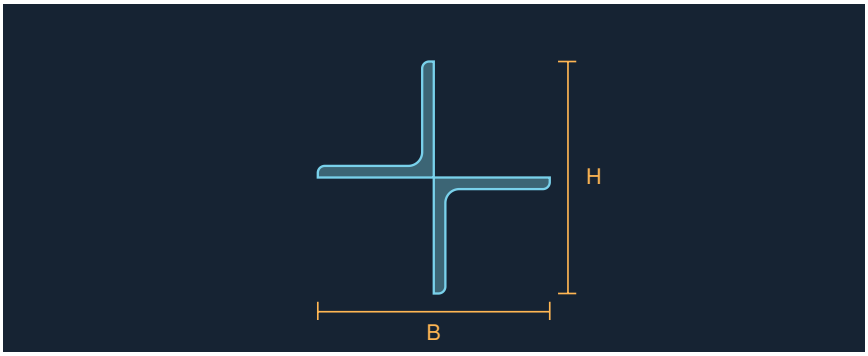
01 / STRUCTURAL PROFILES

Dimensions and variants

DCEC

9/9

86 catalog variants / entries 81-86. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEC 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEC 180x20	380	380	18	18	18	9	20
DCEC 200	400	400	20	20	18	9	0
DCEC 200x14	414	414	20	20	18	9	14
DCEC 200x16	416	416	20	20	18	9	16
DCEC 200x18	418	418	20	20	18	9	18
DCEC 200x20	420	420	20	20	18	9	20

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21379	204	190	190	190	190	0	12381.5	97.195
21380	205	200	200	200	200	0	15269.5	119.866
21381	206	207	207	207	207	0	15269.5	119.866
21382	207	208	208	208	208	0	15269.5	119.866
21383	208	209	209	209	209	0	15269.5	119.866
21384	209	210	210	210	210	0	15269.5	119.866

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

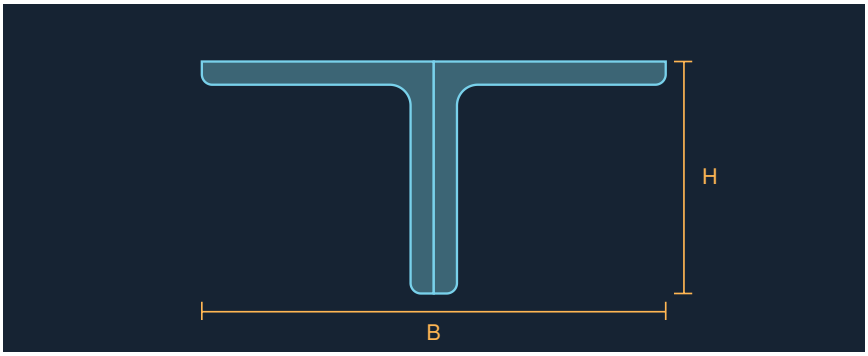
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

1/9

86 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 30	30	60	3	3	5	2.5	0
DCED 30x4	30	64	3	3	5	2.5	4
DCED 30x5	30	65	3	3	5	2.5	5
DCED 30x6	30	66	3	3	5	2.5	6
DCED 35	35	70	3.5	3.5	4	2	0
DCED 35x4	35	74	3.5	3.5	4	2	4
DCED 35x5	35	75	3.5	3.5	4	2	5
DCED 35x6	35	76	3.5	3.5	4	2	6
DCED 40	40	80	4	4	6	3	0
DCED 40x4	40	84	4	4	6	3	4

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21471	296	30	30	8.5	21.5	0	347.365	2.72682
21472	297	32	32	8.5	21.5	0	347.365	2.72682
21473	298	32.5	32.5	8.5	21.5	0	347.365	2.72682
21474	299	33	33	8.5	21.5	0	347.365	2.72682
21475	300	35	35	9.9	25.1	0	468.934	3.68113
21476	301	37	37	9.9	25.1	0	468.934	3.68113
21477	302	37.5	37.5	9.9	25.1	0	468.934	3.68113
21478	303	38	38	9.9	25.1	0	468.934	3.68113
21479	304	40	40	11.2	28.8	0	615.726	4.83345
21480	305	42	42	11.2	28.8	0	615.726	4.83345

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

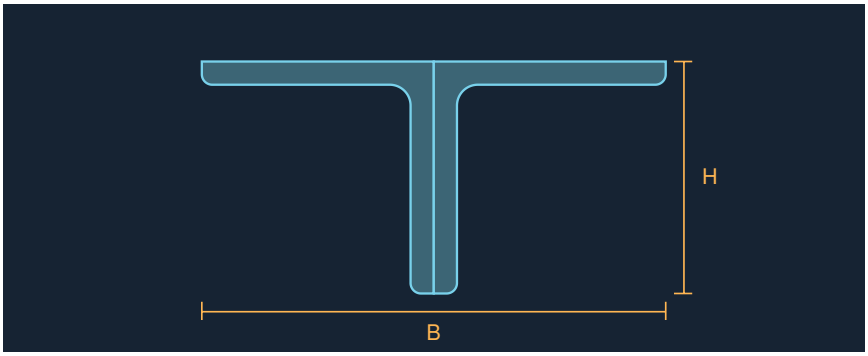
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

2/9

86 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 40x5	40	85	4	4	6	3	5
DCED 40x6	40	86	4	4	6	3	6
DCED 40x7	40	87	4	4	6	3	7
DCED 40x8	40	88	4	4	6	3	8
DCED 45	45	90	4.5	4.5	7	3.5	0
DCED 45x4	45	94	4.5	4.5	7	3.5	4
DCED 45x5	45	95	4.5	4.5	7	3.5	5
DCED 45x6	45	96	4.5	4.5	7	3.5	6
DCED 45x7	45	97	4.5	4.5	7	3.5	7
DCED 45x8	45	98	4.5	4.5	7	3.5	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21481	306	42.5	42.5	11.2	28.8	0	615.726	4.83345
21482	307	43	43	11.2	28.8	0	615.726	4.83345
21483	308	43.5	43.5	11.2	28.8	0	615.726	4.83345
21484	309	44	44	11.2	28.8	0	615.726	4.83345
21485	310	45	45	12.5	32.5	0	780.015	6.12312
21486	311	47	47	12.5	32.5	0	780.015	6.12312
21487	312	47.5	47.5	12.5	32.5	0	780.015	6.12312
21488	313	48	48	12.5	32.5	0	780.015	6.12312
21489	314	48.5	48.5	12.5	32.5	0	780.015	6.12312
21490	315	49	49	12.5	32.5	0	780.015	6.12312

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

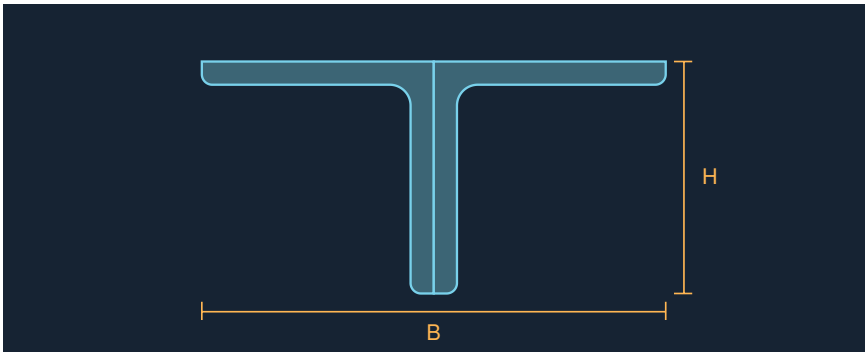
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

3/9

86 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 50	50	100	5	5	7	3.5	0
DCED 50x4	50	104	5	5	7	3.5	4
DCED 50x5	50	105	5	5	7	3.5	5
DCED 50x6	50	106	5	5	7	3.5	6
DCED 50x7	50	107	5	5	7	3.5	7
DCED 50x8	50	108	5	5	7	3.5	8
DCED 50x10	50	110	5	5	7	3.5	10
DCED 60	60	120	6	6	8	4	0
DCED 60x5	60	125	6	6	8	4	5
DCED 60x6	60	126	6	6	8	4	6

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21491	316	50	50	14.1	35.9	0	960.515	7.54005
21493	318	52	52	14.1	35.9	0	960.515	7.54005
21494	319	52.5	52.5	14.1	35.9	0	960.515	7.54005
21495	320	53	53	14.1	35.9	0	960.515	7.54005
21496	321	53.5	53.5	14.1	35.9	0	960.515	7.54005
21497	322	54	54	14.1	35.9	0	960.515	7.54005
21492	317	55	55	14.1	35.9	0	960.515	7.54005
21498	323	60	60	17	43	0	1381.73	10.8466
21501	326	62.5	62.5	17	43	0	1381.73	10.8466
21502	327	63	63	17	43	0	1381.73	10.8466

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

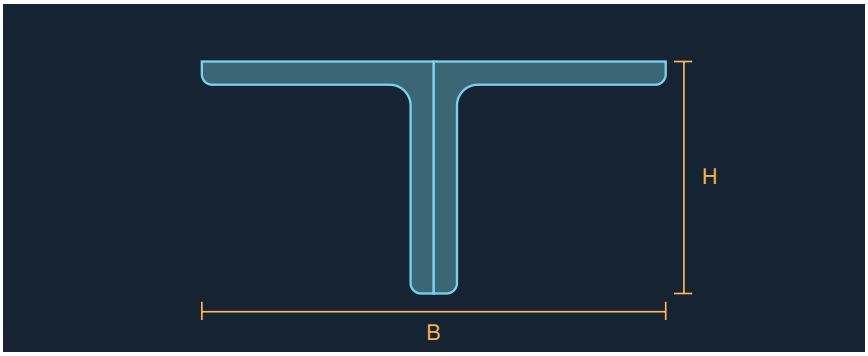
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

4/9

86 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 60x7	60	127	6	6	8	4	7
DCED 60x8	60	128	6	6	8	4	8
DCED 60x10	60	130	6	6	8	4	10
DCED 60x12	60	132	6	6	8	4	12
DCED 70	70	140	7	7	9	4.5	0
DCED 70x6	70	146	7	7	9	4.5	6
DCED 70x7	70	147	7	7	9	4.5	7
DCED 70x8	70	148	7	7	9	4.5	8
DCED 70x10	70	150	7	7	9	4.5	10
DCED 70x12	70	152	7	7	9	4.5	12

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21503	328	63.5	63.5	17	43	0	1381.73	10.8466
21504	329	64	64	17	43	0	1381.73	10.8466
21499	324	65	65	17	43	0	1381.73	10.8466
21500	325	66	66	17	43	0	1381.73	10.8466
21505	330	70	70	19.6	50.4	0	1879.38	14.7532
21508	333	73	73	19.6	50.4	0	1879.38	14.7532
21509	334	73.5	73.5	19.6	50.4	0	1879.38	14.7532
21510	335	74	74	19.6	50.4	0	1879.38	14.7532
21506	331	75	75	19.6	50.4	0	1879.38	14.7532
21507	332	76	76	19.6	50.4	0	1879.38	14.7532

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

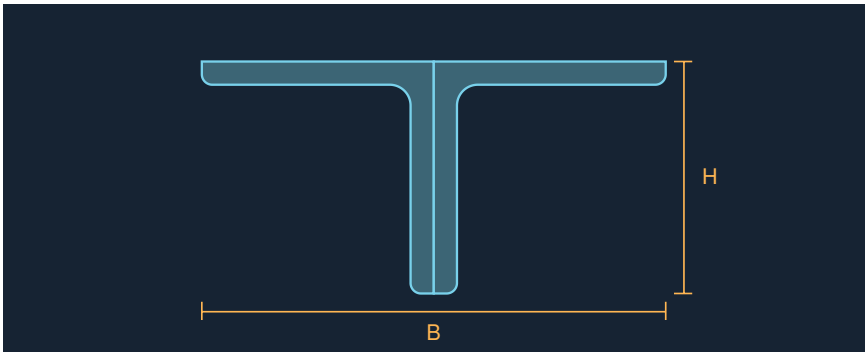
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

5/9

86 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 80	80	160	8	8	10	5	0
DCED 80x7	80	167	8	8	10	5	7
DCED 80x8	80	168	8	8	10	5	8
DCED 80x10	80	170	8	8	10	5	10
DCED 80x12	80	172	8	8	10	5	12
DCED 80x14	80	174	8	8	10	5	14
DCED 90	90	180	9	9	11	5.5	0
DCED 90x7	90	187	9	9	11	5.5	7
DCED 90x8	90	188	9	9	11	5.5	8
DCED 90x10	90	190	9	9	11	5.5	10

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21511	336	80	80	22.5	57.5	0	2453.46	19.2597
21515	340	83.5	83.5	22.5	57.5	0	2453.46	19.2597
21516	341	84	84	22.5	57.5	0	2453.46	19.2597
21512	337	85	85	22.5	57.5	0	2453.46	19.2597
21513	338	86	86	22.5	57.5	0	2453.46	19.2597
21514	339	87	87	22.5	57.5	0	2453.46	19.2597
21517	342	90	90	25.4	64.6	0	3103.97	24.3661
21522	347	93.5	93.5	25.4	64.6	0	3103.97	24.3661
21523	348	94	94	25.4	64.6	0	3103.97	24.3661
21518	343	95	95	25.4	64.6	0	3103.97	24.3661

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

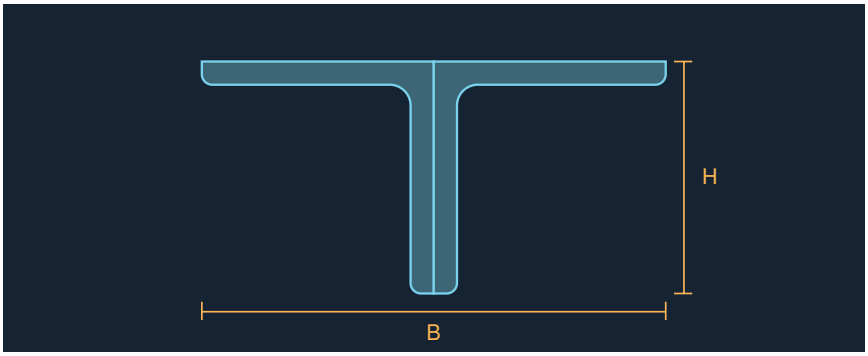
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

6/9

86 catalog variants / entries 51-60. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 90x12	90	192	9	9	11	5.5	12
DCED 90x14	90	194	9	9	11	5.5	14
DCED 90x16	90	196	9	9	11	5.5	16
DCED 100	100	200	10	10	12	6	0
DCED 100x8	100	208	10	10	12	6	8
DCED 100x25	100	210	10	10	12	6	25
DCED 100x12	100	212	10	10	12	6	12
DCED 100x14	100	214	10	10	12	6	14
DCED 100x16	100	216	10	10	12	6	16
DCED 100x18	100	218	10	10	12	6	18

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21519	344	96	96	25.4	64.6	0	3103.97	24.3661
21520	345	97	97	25.4	64.6	0	3103.97	24.3661
21521	346	98	98	25.4	64.6	0	3103.97	24.3661
21438	263	100	100	28.3	71.7	0	3830.9	30.0726
21445	270	104	104	28.3	71.7	0	3830.9	30.0726
21444	269	105	105	28.3	71.7	0	3830.9	30.0726
21439	264	106	106	28.3	71.7	0	3830.9	30.0726
21440	265	107	107	28.3	71.7	0	3830.9	30.0726
21441	266	108	108	28.3	71.7	0	3830.9	30.0726
21442	267	108	108	28.3	71.7	0	3830.9	30.0726

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

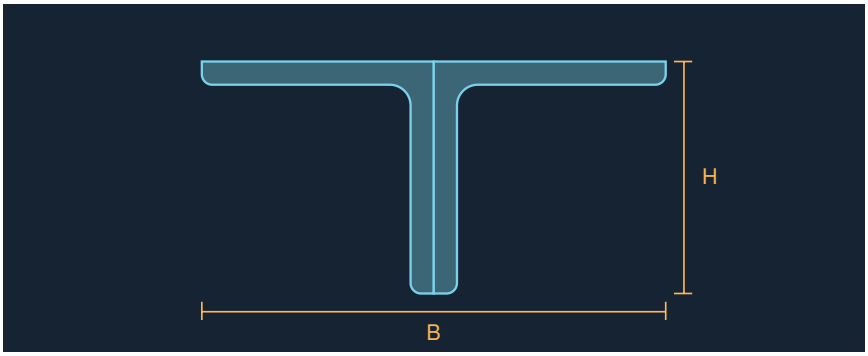
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

7/9

86 catalog variants / entries 61-70. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 100x20	100	220	10	10	12	6	20
DCED 120	120	240	12	12	13	6.5	0
DCED 120x8	120	248	12	12	13	6.5	8
DCED 120x10	120	250	12	12	13	6.5	10
DCED 120x12	120	252	12	12	13	6.5	12
DCED 120x14	120	254	12	12	13	6.5	14
DCED 120x16	120	256	12	12	13	6.5	16
DCED 120x18	120	258	12	12	13	6.5	18
DCED 120x20	120	260	12	12	13	6.5	20
DCED 150	150	300	15	15	16	8	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21443	268	110	110	28.3	71.7	0	3830.9	30.0726
21446	271	120	120	33.9	86.1	0	5508.27	43.2399
21453	278	124	124	33.9	86.1	0	5508.3	42.8631
21447	272	125	125	33.9	86.1	0	5508.27	43.2399
21448	273	126	126	33.9	86.1	0	5508.27	43.2399
21449	274	127	127	33.9	86.1	0	5508.27	43.2399
21450	275	128	128	33.9	86.1	0	5508.27	43.2399
21451	276	129	129	33.9	86.1	0	5508.27	43.2399
21452	277	130	130	33.9	86.1	0	5508.27	43.2399
21454	279	150	150	42.4	107.6	0	8604.94	67.5488

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

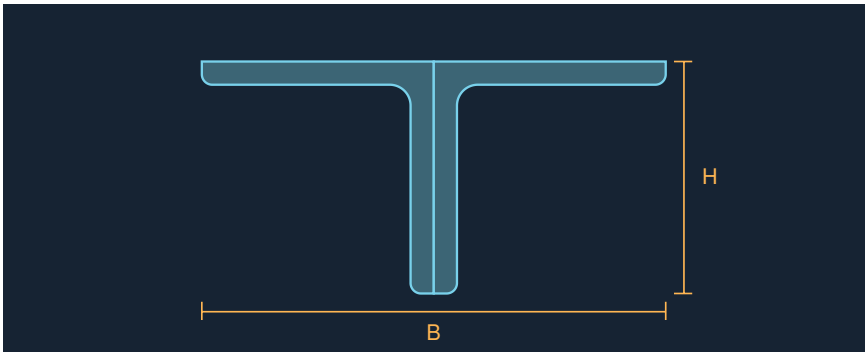
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

8/9

86 catalog variants / entries 71-80. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 150x10	150	310	15	15	16	8	10
DCED 150x12	150	312	15	15	16	8	12
DCED 150x14	150	314	15	15	16	8	14
DCED 150x16	150	316	15	15	16	8	16
DCED 150x18	150	318	15	15	16	8	18
DCED 150x20	150	320	15	15	16	8	20
DCED 180	180	360	18	18	18	9	0
DCED 180x14	180	374	18	18	18	9	14
DCED 180x16	180	376	18	18	18	9	16
DCED 180x18	180	378	18	18	18	9	18

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21455	280	155	155	42.4	107.6	0	8604.94	67.5488
21456	281	156	156	42.4	107.6	0	8604.94	67.5488
21457	282	157	157	42.4	107.6	0	8604.94	67.5488
21458	283	158	158	42.4	107.6	0	8604.94	67.5488
21459	284	159	159	42.4	107.6	0	8604.94	67.5488
21460	285	160	160	42.4	107.6	0	8604.94	67.5488
21461	286	180	180	50.9	129.1	0	12381.5	97.195
21462	287	187	187	50.9	129.1	0	12381.5	97.195
21463	288	188	188	50.9	129.1	0	12381.5	97.195
21464	289	189	189	50.9	129.1	0	12381.5	97.195

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

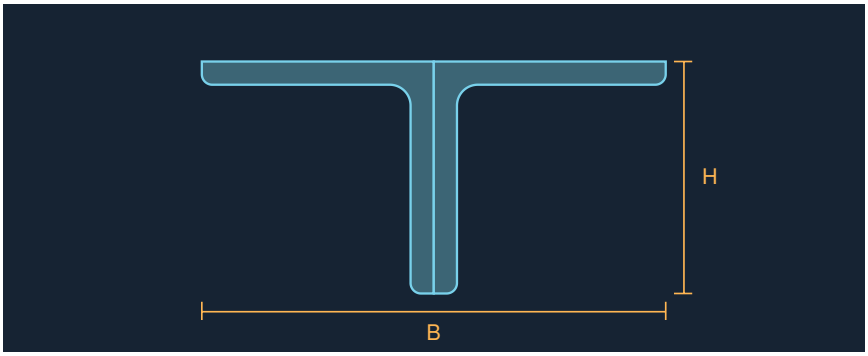
01 / STRUCTURAL PROFILES

Dimensions and variants

DCED

9/9

86 catalog variants / entries 81-86. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCED 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCED 180x20	180	380	18	18	18	9	20
DCED 200	200	400	20	20	18	9	0
DCED 200x14	200	414	20	20	18	9	14
DCED 200x16	200	416	20	20	18	9	16
DCED 200x18	200	418	20	20	18	9	18
DCED 200x20	200	420	20	20	18	9	20

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21465	290	190	190	50.9	129.1	0	12381.5	97.195
21466	291	200	200	56.8	143.2	0	15269.5	119.866
21467	292	207	207	56.8	143.2	0	15269.5	119.866
21468	293	208	208	56.8	143.2	0	15269.5	119.866
21469	294	209	209	56.8	143.2	0	15269.5	119.866
21470	295	210	210	56.8	143.2	0	15269.5	119.866

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

1/9

86 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 30	60	60	3	3	5	2.5	0
DCEP 30x4	64	64	3	3	5	2.5	4
DCEP 30x5	65	65	3	3	5	2.5	5
DCEP 30x6	66	66	3	3	5	2.5	6
DCEP 35	70	70	3.5	3.5	4	2	0
DCEP 35x4	74	74	3.5	3.5	4	2	4
DCEP 35x5	75	75	3.5	3.5	4	2	5
DCEP 35x6	76	76	3.5	3.5	4	2	6
DCEP 40	80	80	4	4	6	3	0
DCEP 40x4	84	84	4	4	6	3	4

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21557	382	21.213	21.213	22.3	22.3	45	347.4	2.7
21558	383	21.213	21.213	25.1	25.1	45	347.4	2.7
21559	384	21.213	21.213	25.8	25.8	45	347.4	2.7
21560	385	21.213	21.213	26.5	26.5	45	347.4	2.7
21561	386	24.748	24.748	26.4	26.4	45	468.9	3.7
21562	387	24.748	24.748	29.2	29.2	45	468.9	3.7
21563	388	24.748	24.748	29.9	29.9	45	468.9	3.7
21564	389	24.748	24.748	30.6	30.6	45	468.9	3.7
21565	390	28.284	28.284	29.9	29.9	45	615.7	4.8
21566	391	28.284	28.284	32.7	32.7	45	615.7	4.8

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

2/9

86 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 40x5	85	85	4	4	6	3	5
DCEP 40x6	86	86	4	4	6	3	6
DCEP 40x7	87	87	4	4	6	3	7
DCEP 40x8	88	88	4	4	6	3	8
DCEP 45	90	90	4.5	4.5	7	3.5	0
DCEP 45x4	94	94	4.5	4.5	7	3.5	4
DCEP 45x5	95	95	4.5	4.5	7	3.5	5
DCEP 45x6	96	96	4.5	4.5	7	3.5	6
DCEP 45x7	97	97	4.5	4.5	7	3.5	7
DCEP 45x8	98	98	4.5	4.5	7	3.5	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21567	392	28.284	28.284	33.4	33.4	45	615.7	4.8
21568	393	28.284	28.284	34.1	34.1	45	615.7	4.8
21569	394	28.284	28.284	34.8	34.8	45	615.7	4.8
21570	395	28.284	28.284	35.5	35.5	45	615.7	4.8
21571	396	31.819	31.819	33.6	33.6	45	780	6.1
21572	397	31.819	31.819	36.4	36.4	45	780	6.1
21573	398	31.819	31.819	37.1	37.1	45	780	6.1
21574	399	31.819	31.819	37.8	37.8	45	780	6.1
21575	400	31.819	31.819	38.5	38.5	45	780	6.1
21576	401	31.819	31.819	39.2	39.2	45	780	6.1

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

3/9

86 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 50	100	100	5	5	7	3.5	0
DCEP 50x4	104	104	5	5	7	3.5	4
DCEP 50x5	105	105	5	5	7	3.5	5
DCEP 50x6	106	106	5	5	7	3.5	6
DCEP 50x7	107	107	5	5	7	3.5	7
DCEP 50x8	108	108	5	5	7	3.5	8
DCEP 50x10	110	110	5	5	7	3.5	10
DCEP 60	120	120	6	6	8	4	0
DCEP 60x5	125	125	6	6	8	4	5
DCEP 60x6	126	126	6	6	8	4	6

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21577	402	35.355	35.355	37.4	37.4	45	960.5	7.5
21579	404	35.355	35.355	40.3	40.3	45	960.5	7.5
21580	405	35.355	35.355	41	41	45	960.5	7.5
21581	406	35.355	35.355	41.7	41.7	45	960.5	7.5
21582	407	35.355	35.355	42.4	42.4	45	960.5	7.5
21583	408	35.355	35.355	43.1	43.1	45	960.5	7.5
21578	403	35.355	35.355	44.5	44.5	45	960.5	7.5
21584	409	42.426	42.426	45	45	45	1381.7	10.8
21587	412	42.426	42.426	48.5	48.5	45	1381.7	10.8
21588	413	42.426	42.426	49.3	49.3	45	1381.7	10.8

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

4/9

86 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 60x7	127	127	6	6	8	4	7
DCEP 60x8	128	128	6	6	8	4	8
DCEP 60x10	130	130	6	6	8	4	10
DCEP 60x12	132	132	6	6	8	4	12
DCEP 70	140	140	7	7	9	4.5	0
DCEP 70x6	146	146	7	7	9	4.5	6
DCEP 70x7	147	147	7	7	9	4.5	7
DCEP 70x8	148	148	7	7	9	4.5	8
DCEP 70x10	150	150	7	7	9	4.5	10
DCEP 70x12	152	152	7	7	9	4.5	12

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21589	414	42.426	42.426	50	50	45	1381.7	10.8
21590	415	42.426	42.426	50.7	50.7	45	1381.7	10.8
21585	410	42.426	42.426	52.1	52.1	45	1381.7	10.8
21586	411	42.426	42.426	53.5	53.5	45	1381.7	10.8
21591	416	49.497	49.497	52.6	52.6	45	1879.4	14.8
21594	419	49.497	49.497	56.8	56.8	45	1879.4	14.8
21595	420	49.497	49.497	57.5	57.5	45	1879.4	14.8
21596	421	49.497	49.497	58.2	58.2	45	1879.4	14.8
21592	417	49.497	49.497	59.7	59.7	45	1879.4	14.8
21593	418	49.497	49.497	61.1	61.1	45	1879.4	14.8

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

5/9

86 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 80	160	160	8	8	10	5	0
DCEP 80x7	167	167	8	8	10	5	7
DCEP 80x8	168	168	8	8	10	5	8
DCEP 80x10	170	170	8	8	10	5	10
DCEP 80x12	172	172	8	8	10	5	12
DCEP 80x14	174	174	8	8	10	5	14
DCEP 90	180	180	9	9	11	5.5	0
DCEP 90x7	187	187	9	9	11	5.5	7
DCEP 90x8	188	188	9	9	11	5.5	8
DCEP 90x10	190	190	9	9	11	5.5	10

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21597	422	56.568	56.568	60.2	60.2	45	2453.5	19.3
21601	426	56.568	56.568	65.1	65.1	45	2453.5	19.3
21602	427	56.568	56.568	65.8	65.8	45	2453.5	19.3
21598	423	56.568	56.568	67.2	67.2	45	2453.5	19.3
21599	424	56.568	56.568	68.6	68.6	45	2453.5	19.3
21600	425	56.568	56.568	70.1	70.1	45	2453.5	19.3
21603	428	63.639	63.636	67.7	67.7	45	3104	24.4
21608	433	63.639	63.639	72.7	72.7	45	3104	24.4
21609	434	63.639	63.639	73.4	73.4	45	3104	24.4
21604	429	63.639	63.639	74.8	74.8	45	3104	24.4

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

6/9

86 catalog variants / entries 51-60. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 90x12	192	192	9	9	11	5.5	12
DCEP 90x14	194	194	9	9	11	5.5	14
DCEP 90x16	196	196	9	9	11	5.5	16
DCEP 100	200	200	10	10	12	6	0
DCEP 100x8	208	208	10	10	12	6	8
DCEP 100x10	210	210	10	10	12	6	10
DCEP 100x12	212	212	10	10	12	6	12
DCEP 100x14	214	214	10	10	12	6	14
DCEP 100x16	216	216	10	10	12	6	16
DCEP 100x18	218	218	10	10	12	6	18

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21605	430	63.639	63.639	76.2	76.2	45	3104	24.4
21606	431	63.639	63.639	77.6	77.6	45	3104	24.4
21607	432	63.639	63.639	79	79	45	3104	24.4
21524	349	70.71	70.71	75.3	75.3	45	3830.9	30.1
21531	356	70.71	70.71	81	81	45	3830.9	30.1
21525	350	70.71	70.71	82.4	82.4	45	3830.9	30.1
21526	351	70.71	70.71	83.8	83.8	45	3830.9	30.1
21527	352	70.71	70.71	85.2	85.2	45	3830.9	30.1
21528	353	70.71	70.71	86.6	86.6	45	3830.9	30.1
21529	354	70.71	70.71	88	88	45	3830.9	30.1

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

7/9

86 catalog variants / entries 61-70. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCEP 100

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 100x20	220	220	10	10	1.2	6	20
DCEP 120	240	240	12	12	13	6.5	0
DCEP 120x8	248	248	12	12	13	6.5	8
DCEP 120x10	250	250	12	12	13	6.5	10
DCEP 120x12	252	252	12	12	13	6.5	12
DCEP 120x14	254	254	12	12	13	6.5	14
DCEP 120x16	256	256	12	12	13	6.5	16
DCEP 120x18	258	258	12	12	13	6.5	18
DCEP 120x20	260	260	12	12	13	6.5	20
DCEP 150	300	300	15	15	16	8	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21530	355	70.71	70.71	89.4	89.4	45	3830.9	30.1
21532	357	84.852	84.852	90.6	90.6	45	5508.3	43.2
21539	364	84.852	84.852	96.3	96.3	45	5508.3	43.2
21533	358	84.852	84.852	97.7	97.7	45	5508.3	43.2
21534	359	84.852	84.852	99.1	99.1	45	5508.3	43.2
21535	360	84.852	84.852	100.5	100.5	45	5508.3	43.2
21536	361	84.852	84.852	102	102	45	5508.3	43.2
21537	362	84.852	84.852	103.4	103.4	45	5508.3	43.2
21538	363	84.852	84.852	104.8	104.8	45	5508.3	43.2
21540	365	106.066	106.066	113.4	113.4	45	8604.9	67.5

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

8/9

86 catalog variants / entries 71-80. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 150x10	310	310	15	15	16	8	10
DCEP 150x12	312	312	15	15	16	8	12
DCEP 150x14	314	314	15	15	16	8	14
DCEP 150x16	316	316	15	15	16	8	16
DCEP 150x18	318	318	15	15	16	8	18
DCEP 150x20	320	320	15	15	16	8	20
DCEP 180	360	360	18	18	18	9	0
DCEP 180x14	374	374	18	18	18	9	14
DCEP 180x16	376	376	18	18	18	9	16
DCEP 180x18	378	378	18	18	18	9	18

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21541	366	106.066	106.066	120.4	120.4	45	8604.9	67.5
21542	367	106.066	106.066	121.8	121.8	45	8604.9	67.5
21543	368	106.066	106.066	123.3	123.3	45	8604.9	67.5
21544	369	106.066	106.066	124.7	124.7	45	8604.9	67.5
21545	370	106.066	106.066	126.1	126.1	45	8604.9	67.5
21546	371	106.066	106.066	127.5	127.5	45	8604.9	67.5
21547	372	127.279	127.279	136.3	136.3	45	12381.5	97.2
21548	373	127.279	127.279	146.2	146.2	45	12381.5	97.2
21549	374	127.279	127.279	147.6	147.6	45	12381.5	97.2
21550	375	127.279	127.279	149	149	45	12381.5	97.2

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

DCEP

9/9

86 catalog variants / entries 81-86. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: DCEP 100

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCEP 180x20	380	380	18	18	18	9	20
DCEP 200	400	400	20	20	18	9	0
DCEP 200x14	414	414	20	20	18	9	14
DCEP 200x16	416	416	20	20	18	9	16
DCEP 200x18	418	418	20	20	18	9	18
DCEP 200x20	420	420	20	20	18	9	20

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21551	376	127.279	127.279	150.4	150.4	45	12381.5	97.2
21552	377	141.421	141.421	151.8	151.8	45	15269.5	119.9
21553	378	141.421	141.421	161.7	161.7	45	15269.5	199.9
21554	379	141.421	141.421	163.1	163.1	45	15269.5	199.9
21555	380	141.421	141.421	164.6	164.6	45	15269.5	199.9
21556	381	141.421	141.421	166	166	45	15269.5	119.9

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

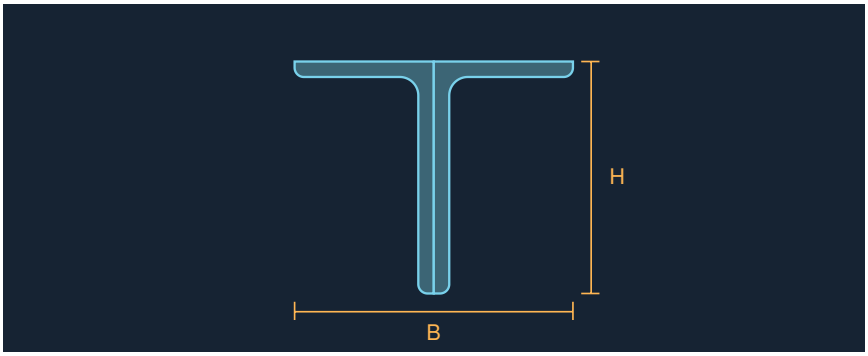
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIG

1/5

50 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIG 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIG 40	40	50	4	4	4	2	0
DCIG 40x4	40	54	4	4	4	2	4
DCIG 40x5	40	55	4	4	4	2	5
DCIG 40x6	40	56	4	4	4	2	6
DCIG 45	45	60	4	4	4	2	0
DCIG 45x4	45	64	4	4	4	2	4
DCIG 45x5	45	65	4	4	4	2	5
DCIG 45x6	45	66	4	4	4	2	6
DCIG 50	50	60	5	5	5	2.5	0
DCIG 50x4	50	64	5	5	5	2.5	4

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21623	448	25	25	13.5	26.5	0	491.434	3.85775
21624	449	27	27	13.5	26.5	0	491.434	3.85775
21625	450	27.5	27.5	13.5	26.5	0	491.434	3.85775
21626	451	28	28	13.5	26.5	0	491.434	3.85775
21627	452	30	30	14.9	30.1	0	571.434	4.48575
21628	453	32	32	14.9	30.1	0	571.434	4.48575
21629	454	32.5	32.5	14.9	30.1	0	571.434	4.48575
21630	455	33	33	14.9	30.1	0	571.434	4.48575
21631	456	30	30	17.3	32.7	0	755.365	5.92962
21632	457	32	32	17.3	32.7	0	755.365	5.92962

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

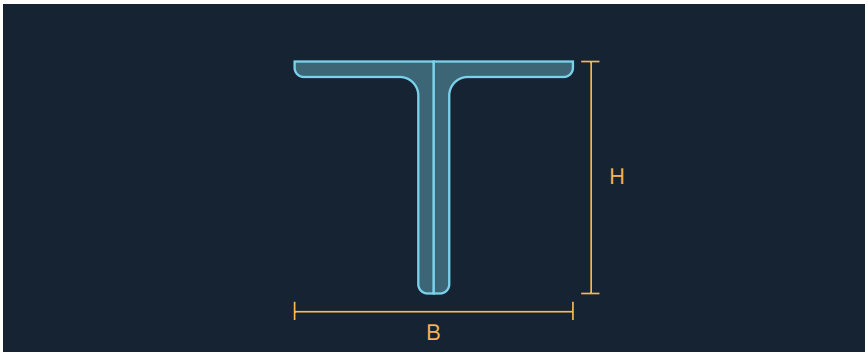
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIG

2/5

50 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIG 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIG 50x5	50	65	5	5	5	2.5	5
DCIG 50x6	50	66	5	5	5	2.5	6
DCIG 50x7	50	67	5	5	5	2.5	7
DCIG 50x8	50	68	5	5	5	2.5	8
DCIG 60	60	80	5	5	6	3	0
DCIG 60x4	60	84	5	5	6	3	4
DCIG 60x5	60	85	5	5	6	3	5
DCIG 60x6	60	86	5	5	6	3	6
DCIG 60x7	60	87	5	5	6	3	7
DCIG 60x8	60	88	5	5	6	3	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21633	458	32.5	32.5	17.3	32.7	0	755.365	5.92962
21634	459	33	33	17.3	32.7	0	755.365	5.92962
21635	460	33.5	33.5	17.3	32.7	0	755.365	5.92962
21636	461	34	34	17.3	32.7	0	755.365	5.92962
21637	462	40	40	19.5	40.5	0	957.726	7.51815
21638	463	42	42	19.5	40.5	0	957.726	7.51815
21639	464	42.5	42.5	19.5	40.5	0	957.726	7.51815
21640	465	43	43	19.5	40.5	0	957.726	7.51815
21641	466	43.5	43.5	19.5	40.5	0	957.726	7.51815
21642	467	44	44	19.5	40.5	0	957.726	7.51815

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

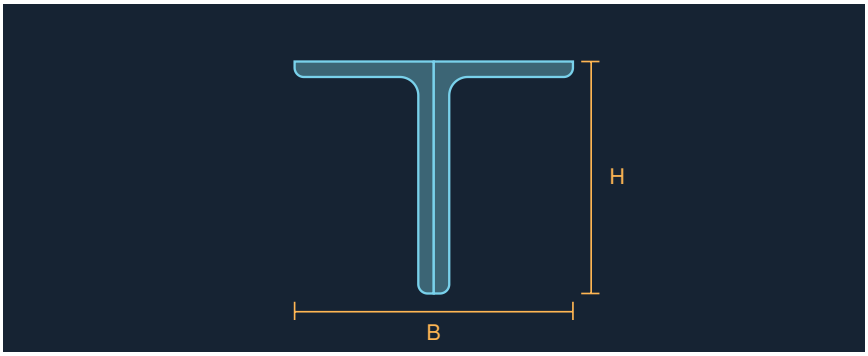
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIG

3/5

50 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIG 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIG 70	70	100	6	6	6	3	0
DCIG 70x5	70	105	6	6	6	3	5
DCIG 70x6	70	106	6	6	6	3	6
DCIG 70x7	70	107	6	6	6	3	7
DCIG 70x8	70	108	6	6	6	3	8
DCIG 70x10	70	110	6	6	6	3	10
DCIG 80	80	100	7	7	6	3	0
DCIG 80x6	80	106	7	7	6	3	6
DCIG 80x7	80	107	7	7	6	3	7
DCIG 80x8	80	108	7	7	6	3	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21643	468	50	50	22.5	47.5	0	1375.73	10.7994
21645	470	52.5	52.5	22.5	47.5	0	1375.73	10.7994
21646	471	53	53	22.5	47.5	0	1375.73	10.7994
21647	472	53.5	53.5	22.5	47.5	0	1375.73	10.7994
21648	473	54	54	22.5	47.5	0	1375.73	10.7994
21644	469	55	55	22.5	47.5	0	1375.73	10.7994
21649	474	50	50	26.6	53.4	0	1729.73	13.5783
21652	477	53	53	26.6	53.4	0	1729.73	13.5783
21653	478	53.5	53.5	26.6	53.4	0	1729.73	13.5783
21654	479	54	54	26.6	53.4	0	1729.73	13.5783

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

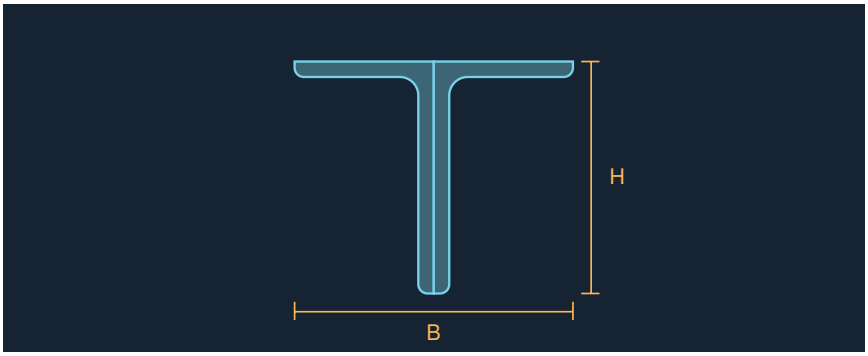
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIG

4/5

50 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIG 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIG 80x10	80	110	7	7	6	3	10
DCIG 80x12	80	112	7	7	6	3	12
DCIG 90	90	140	8	8	8	4	0
DCIG 90x7	90	147	8	8	8	4	7
DCIG 90x8	90	148	8	8	8	4	8
DCIG 90x10	90	150	8	8	8	4	10
DCIG 90x12	90	152	8	8	8	4	12
DCIG 100	100	160	9	9	8	4.5	0
DCIG 100x7	100	167	9	9	8	4.5	7
DCIG 100x8	100	168	9	9	8	4.5	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21650	475	55	55	26.6	53.4	0	1729.73	13.5783
21651	476	56	56	26.6	53.4	0	1729.73	13.5783
21655	480	70	70	27.9	62.1	0	2445.73	19.199
21658	483	73.5	73.5	27.9	62.1	0	2445.73	19.199
21659	484	74	74	27.9	62.1	0	2445.73	19.199
21656	481	75	75	27.9	62.1	0	2445.73	19.199
21657	482	76	76	27.9	62.1	0	2445.73	19.199
21610	435	80	80	31.8	68.2	0	3088.09	24.2415
21613	438	83.5	83.5	31.8	68.2	0	3088.09	24.2415
21614	439	84	84	31.8	68.2	0	3088.09	24.2415

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

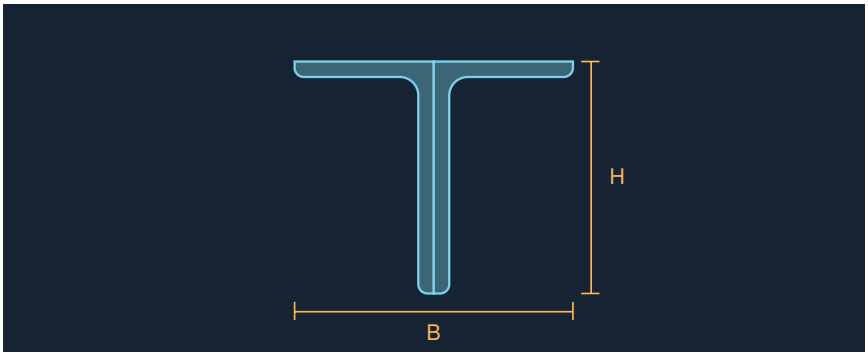
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIG

5/5

50 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIG 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIG 100x10	100	170	9	9	8	4.5	10
DCIG 100x12	100	172	9	9	8	4.5	12
DCIG 120	120	160	10	10	11	5.5	0
DCIG 120x8	120	168	10	10	11	5.5	8
DCIG 120x10	120	170	10	10	11	5.5	10
DCIG 120x12	120	172	10	10	11	5.5	12
DCIG 150	150	180	10	10	12	6	0
DCIG 150x8	150	188	10	10	12	6	8
DCIG 150x10	150	190	10	10	12	6	10
DCIG 150x12	150	192	10	10	12	6	12

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21611	436	85	85	31.8	68.2	0	3088.09	24.2415
21612	437	86	86	31.8	68.2	0	3088.09	24.2415
21615	440	80	80	39.1	80.9	0	3825.97	30.0338
21618	443	84	84	39.1	80.9	0	3825.97	30.0338
21616	441	85	85	39.1	80.9	0	3825.97	30.0338
21617	442	86	86	39.1	80.9	0	3088.1	30.0338
21619	444	90	90	50.4	99.6	0	4630.9	36.3526
21622	447	94	94	50.4	99.6	0	4630.9	36.3526
21620	445	95	95	50.4	99.6	0	4630.9	36.3526
21621	446	96	96	50.4	99.6	0	4630.9	36.3526

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

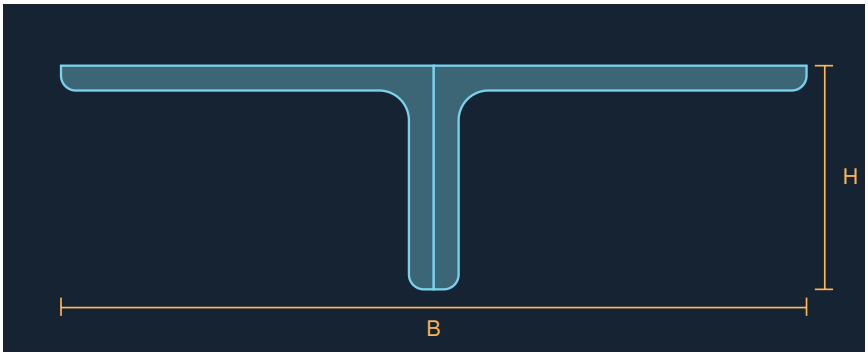
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIP

1/5

50 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIP 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIP 40	25	80	4	4	4	2	0
DCIP 40x4	25	84	4	4	4	2	4
DCIP 40x5	25	85	4	4	4	2	5
DCIP 40x6	25	86	4	4	4	2	6
DCIP 45	30	90	4	4	4	2	0
DCIP 45x4	30	94	4	4	4	2	4
DCIP 45x5	30	95	4	4	4	2	5
DCIP 45x6	30	96	4	4	4	2	6
DCIP 50	30	100	5	5	5	2.5	0
DCIP 50x4	30	104	5	5	5	2.5	4

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21673	498	40	40	6.2	18.8	0	491.434	3.85775
21674	499	42	42	6.2	18.8	0	491.434	3.85775
21675	500	42.5	42.5	6.2	18.8	0	491.434	3.85775
21676	501	43	43	6.2	18.8	0	491.434	3.85775
21677	502	45	45	7.4	22.6	0	571.434	4.48575
21678	503	47	47	7.4	22.6	0	571.434	4.48575
21679	504	47.5	47.5	7.4	22.6	0	571.434	4.48575
21680	505	48	48	7.4	22.6	0	571.434	4.48575
21681	506	50	50	7.4	22.6	0	755.365	5.92962
21682	507	52	52	7.4	22.6	0	755.365	5.92962

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

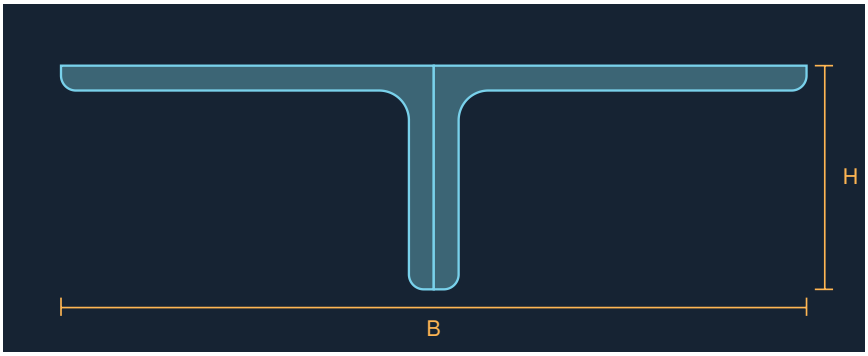
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIP

2/5

50 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIP 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIP 50x5	30	105	5	5	5	2.5	5
DCIP 50x6	30	106	5	5	5	2.5	6
DCIP 50x7	30	107	5	5	5	2.5	7
DCIP 50x8	30	108	5	5	5	2.5	8
DCIP 60	40	120	5	5	6	3	0
DCIP 60x4	40	124	5	5	6	3	4
DCIP 60x5	40	125	5	5	6	3	5
DCIP 60x6	40	126	5	5	6	3	6
DCIP 60x7	40	127	5	5	6	3	7
DCIP 60x8	40	128	5	5	6	3	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21683	508	52.5	52.5	7.4	22.6	0	755.365	5.92962
21684	509	53	53	7.4	22.6	0	755.365	5.92962
21685	510	53.5	53.5	7.4	22.6	0	755.365	5.92962
21686	511	54	54	7.4	22.6	0	755.365	5.92962
21687	512	60	60	9.8	30.2	0	957.726	7.51815
21688	513	62	62	9.8	30.2	0	957.726	7.51815
21689	514	62.5	62.5	9.8	30.2	0	957.726	7.51815
21690	515	63	63	9.8	30.2	0	957.726	7.51815
21691	516	63.5	63.5	9.8	30.2	0	957.726	7.51815
21692	517	64	64	9.8	30.2	0	957.726	7.51815

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

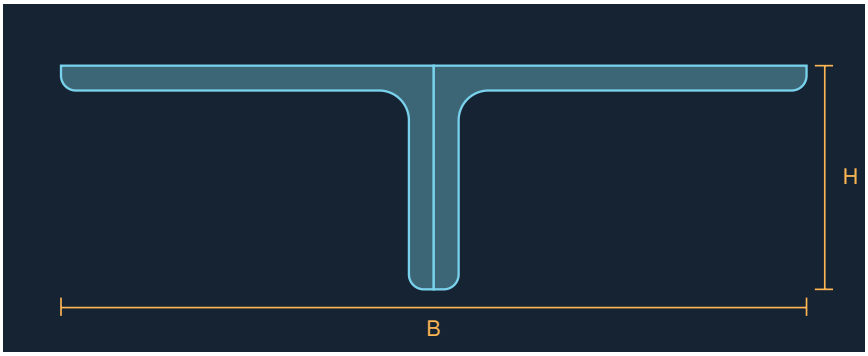
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIP

3/5

50 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIP 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIP 70	50	140	6	6	6	3	0
DCIP 70x5	50	145	6	6	6	3	5
DCIP 70x6	50	146	6	6	6	3	6
DCIP 70x7	50	147	6	6	6	3	7
DCIP 70x8	50	148	6	6	6	3	8
DCIP 70x10	50	150	6	6	6	3	10
DCIP 80	50	160	7	7	6	3	0
DCIP 80x6	50	166	7	7	6	3	6
DCIP 80x7	50	167	7	7	6	3	7
DCIP 80x8	50	168	7	7	6	3	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21693	518	70	70	12.5	37.5	0	1375.73	10.7994
21695	520	72.5	72.5	12.5	37.5	0	1375.73	10.7994
21696	521	73	73	12.5	37.5	0	1375.73	10.7994
21697	522	73.5	73.5	12.5	37.5	0	1375.73	10.7994
21698	523	74	74	12.5	37.5	0	1375.73	10.7994
21694	519	75	75	12.5	37.5	0	1375.73	10.7994
21699	524	80	80	12.2	37.8	0	1729.73	13.5783
21702	527	83	83	12.2	37.8	0	1729.73	13.5783
21703	528	83.5	83.5	12.2	37.8	0	1729.73	13.5783
21704	529	84	84	12.2	37.8	0	1729.73	13.5783

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

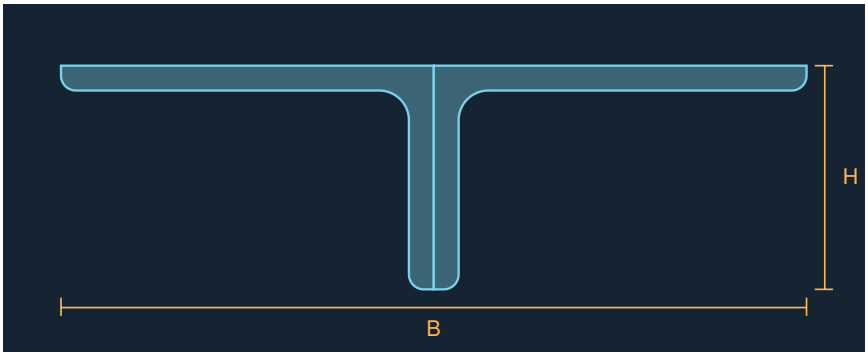
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIP

4/5

50 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIP 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIP 80x10	50	170	7	7	6	3	10
DCIP 80x12	50	172	7	7	6	3	12
DCIP 90	70	180	8	8	8	4	0
DCIP 90x7	70	187	8	8	8	4	7
DCIP 90x8	70	188	8	8	8	4	8
DCIP 90x10	70	190	8	8	8	4	10
DCIP 90x12	70	192	8	8	8	4	12
DCIP 100	80	200	9	9	8	4.5	0
DCIP 100x7	80	207	9	9	8	4.5	7
DCIP 100x8	80	208	9	9	8	4.5	8

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21700	525	85	85	12.2	37.8	0	1729.73	13.5783
21701	526	86	86	12.2	37.8	0	1729.73	13.5783
21705	530	90	90	18	52	0	2445.73	19.199
21708	533	93.5	93.5	18	52	0	2445.73	19.199
21709	534	94	94	18	52	0	2445.73	19.199
21706	531	95	95	18	52	0	2445.73	19.199
21707	532	96	96	18	52	0	2445.73	19.199
21660	485	100	100	20.7	59.3	0	3088.09	24.2415
21663	488	103.5	103.5	20.7	59.3	0	3088.09	24.2415
21664	489	104	104	20.7	59.3	0	3088.09	24.2415

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

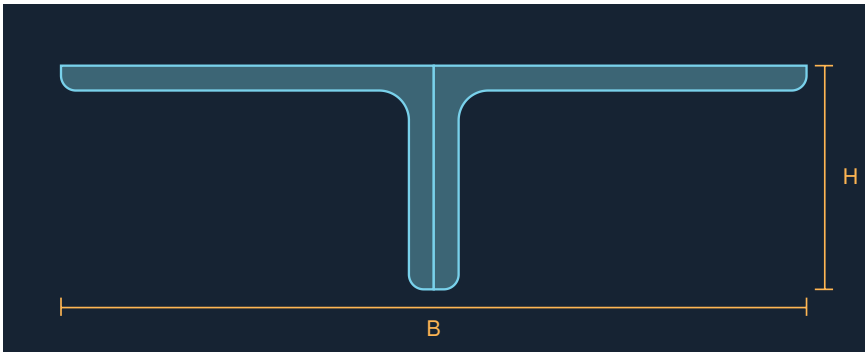
01 / STRUCTURAL PROFILES

Dimensions and variants

DCIP

5/5

50 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: DCIP 150

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
DCIP 100x10	80	210	9	9	8	4.5	10
DCIP 100x12	80	212	9	9	8	4.5	12
DCIP 120	80	240	10	10	11	5.5	0
DCIP 120x8	80	248	10	10	11	5.5	8
DCIP 120x10	80	250	10	10	11	5.5	10
DCIP 120x12	80	252	10	10	11	5.5	12
DCIP 150	90	300	10	10	12	6	0
DCIP 150x8	90	308	10	10	12	6	8
DCIP 150x10	90	310	10	10	12	6	10
DCIP 150x12	90	312	10	10	12	6	12

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21661	486	105	105	20.7	59.3	0	3088.09	24.2415
21662	487	106	106	20.7	59.3	0	3088.09	24.2415
21665	490	120	120	19.5	60.5	0	3825.97	30.0338
21668	493	124	124	19.5	60.5	0	3825.97	30.0338
21666	491	125	125	19.5	60.5	0	3825.97	30.0338
21667	492	126	126	19.5	60.5	0	3825.97	30.0338
21669	494	150	150	20.5	69.5	0	4630.9	36.3526
21672	497	154	154	20.5	69.5	0	4630.9	36.3526
21670	495	155	155	20.5	69.5	0	4630.9	36.3526
21671	496	156	156	20.5	69.5	0	4630.9	36.35

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

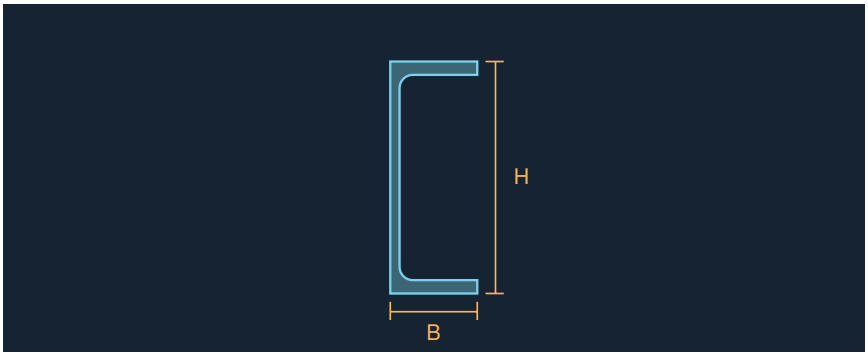
01 / STRUCTURAL PROFILES

Dimensions and variants

UAP

1/1

10 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UAP 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UAP 80	80	45	5	8	8	0	0
UAP 100	100	50	5.5	8.5	8.5	0	0
UAP 130	130	55	6	9.5	9.5	0	0
UAP 150	150	65	7	10.25	10.25	0	0
UAP 175	175	70	7.5	10.75	10.75	0	0
UAP 200	200	75	8	11.5	11.5	0	0
UAP 220	220	80	8	12.5	12.5	0	0
UAP 250	250	85	9	13.5	13.5	0	0
UAP 270	270	95	9	14.5	14.5	0	0
UAP 300	300	100	9.5	16	16	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23209	2046	28.8998	16.1002	40	40	0	1067.47	8.37963
23200	2037	33.0021	16.9979	50	50	0	1337.51	10.4995
23201	2038	37.2544	17.7456	65	65	0	1749.74	13.7354
23202	2039	44.4676	20.5324	75	75	0	2284.09	17.9301
23203	2040	48.7559	21.2441	87.5	87.5	0	2705.85	21.2409
23204	2041	52.8122	22.1878	100	100	0	3197.76	25.1024
23205	2042	56.0236	23.9764	110	110	0	3627.06	28.4724
23206	2043	60.4558	24.5442	125	125	0	4380.22	34.3847
23207	2044	66.735	28.265	135	135	0	5014.24	39.3618
23208	2045	70.3665	29.6335	150	150	0	5855.88	45.9686

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

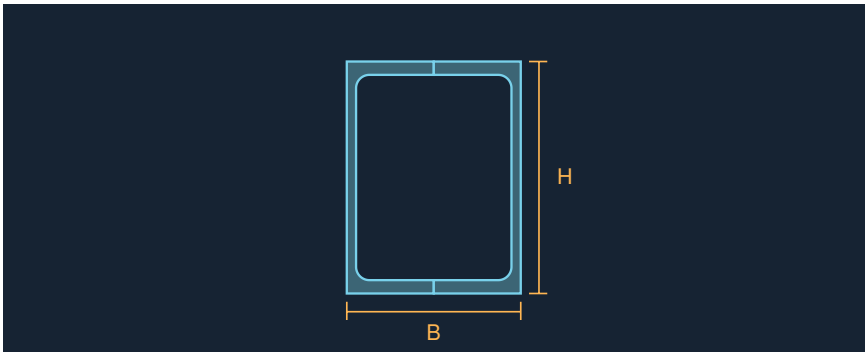
01 / STRUCTURAL PROFILES

Dimensions and variants

UAPP

1/1

10 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UAPP 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UAPP 80	80	90	5	8	8	0	0
UAPP 100	100	100	5.5	8.5	8.5	0	0
UAPP 130	130	110	6	9.5	9.5	0	0
UAPP 150	150	130	7	10.25	10.25	0	0
UAPP 175	175	140	7.5	10.75	10.75	0	0
UAPP 200	200	150	8	11.5	11.5	0	0
UAPP 220	220	160	8	12.5	12.5	0	0
UAPP 250	250	170	9	13.5	13.5	0	0
UAPP 270	270	190	9	14.5	14.5	0	0
UAPP 300	300	200	9.5	16	16	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23219	2056	45	45	40	40	0	2134.94	16.7593
23210	2047	50	50	50	50	0	2675.02	20.999
23211	2048	55	55	65	65	0	3499.48	27.4708
23212	2049	65	65	75	75	0	4568.18	35.8602
23213	2050	70	70	87.5	87.5	0	5411.7	42.4818
23214	2051	75	75	100	100	0	6395.52	50.2048
23215	2052	80	80	110	110	0	7254.12	56.9448
23216	2053	85	85	125	125	0	8760.44	68.7694
23217	2054	95	95	135	135	0	10028.5	78.7236
23218	2055	100	100	150	150	0	11711.8	91.9372

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

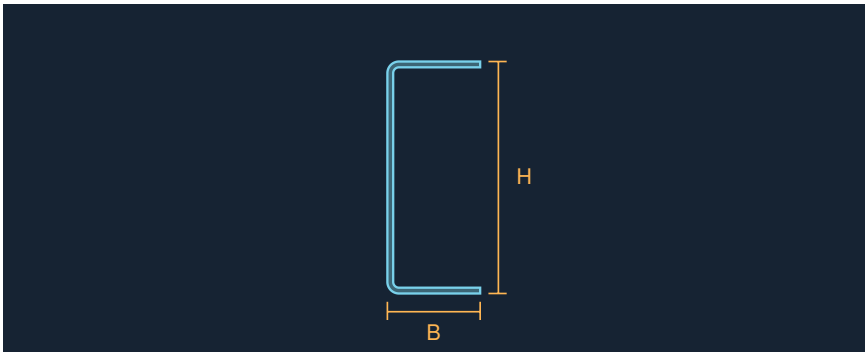
01 / STRUCTURAL PROFILES

Dimensions and variants

UPAF

1/3

22 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: UPAF 80x200x5

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPAF 60x80x4	80	60	4	4	4	8	0
UPAF 45x90x4	90	45	4	4	4	8	0
UPAF 30x100x3	100	30	3	3	3	5	0
UPAF 50x100x3	100	50	3	3	3	6	0
UPAF 50x100x4	100	50	4	4	4	8	0
UPAF 50x100x5	100	50	5	5	5	10	0
UPAF 60x100x5	100	60	5	5	5	10	0
UPAF 50x110x4	110	50	4	4	4	8	0
UPAF 50x120x4	120	50	4	4	4	8	0
UPAF 50x120x5	120	50	5	5	5	10	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23238	2075	39.96	20.04	40	40	0	747.3	5.866
23222	2059	31.88	13.12	45	45	0	667.3	5.238
23220	2057	23.07	6.93	50	50	0	450	3.533
23223	2060	36.11	13.89	50	50	0	570.3	4.477
23224	2061	35.64	14.36	50	50	0	747.3	5.866
23225	2062	35.16	14.84	50	50	0	917.7	7.204
23232	2069	41.71	18.29	50	50	0	1017	7.983
23226	2063	36.26	13.74	55	55	0	787.3	6.18
23227	2064	36.83	13.17	60	60	0	827.3	6.494
23228	2065	36.37	13.63	60	60	0	1017	7.983

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

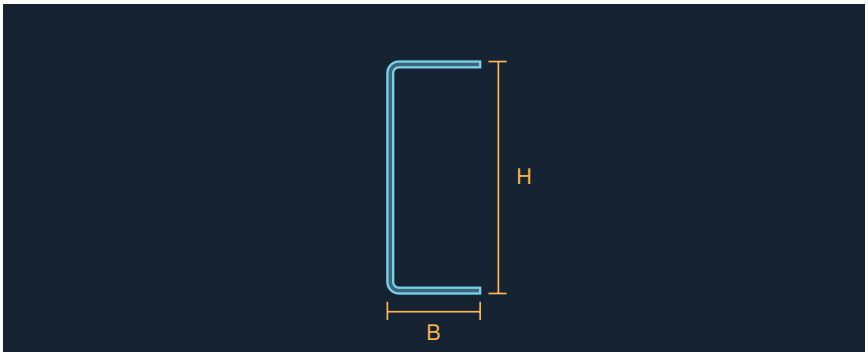
01 / STRUCTURAL PROFILES

Dimensions and variants

UPAF

2/3

22 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: UPAF 80x200x5

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPAF 60x120x4	120	60	4	4	4	8	0
UPAF 60x120x6	120	60	6	6	6	12	0
UPAF 50x140x5	140	50	5	5	5	10	0
UPAF 60x140x4	140	60	4	4	4	8	0
UPAF 60x140x5	140	60	5	5	5	10	0
UPAF 60x140x6	140	60	6	6	6	12	0
UPAF 50x150x3	150	50	3	3	3	6	0
UPAF 50x150x5	150	50	5	5	5	10	0
UPAF 70x150x5	150	70	5	5	5	10	0
UPAF 45x170x4	170	45	4	4	4	8	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23233	2070	43.14	16.86	60	60	0	907.3	7.122
23234	2071	42.19	17.81	60	60	0	1321	10.37
23229	2066	37.37	12.63	70	70	0	1117	8.768
23235	2072	44.35	15.65	70	70	0	987.3	7.75
23236	2073	43.89	16.11	70	70	0	1217	9.553
23237	2074	43.43	16.57	70	70	0	1441	11.312
23230	2067	38.69	11.31	75	75	0	720.3	5.654
23231	2068	37.8	12.2	75	75	0	1167	9.161
23239	2076	50.81	19.19	75	75	0	1367	10.731
23221	2058	35.48	9.52	85	85	0	987.3	7.75

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

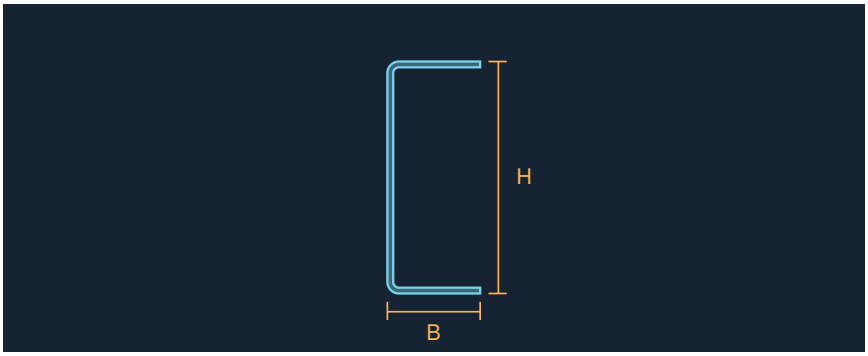
01 / STRUCTURAL PROFILES

Dimensions and variants

UPAF

3/3

22 catalog variants / entries 21-22. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: UPAF 80x200x5

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPAF 80x200x5	200	80	5	5	5	10	0
UPAF 80x200x6	200	80	6	6	6	12	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23240	2077	60	20	100	100	0	1717	13.478
23241	2078	59.54	20.46	100	100	0	2041	16.022

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

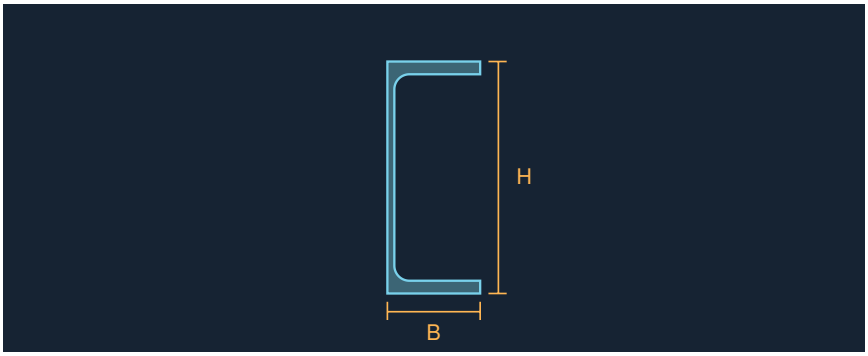
01 / STRUCTURAL PROFILES

Dimensions and variants

UPE

1/2

14 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UPE 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPE 80	80	50	4	7	10	0	0
UPE 100	100	55	4.5	7.5	10	0	0
UPE 120	120	60	5	8	12	0	0
UPE 140	140	65	5	9	12	0	0
UPE 160	160	70	5.5	9.5	12	0	0
UPE 180	180	75	5.5	10.5	12	0	0
UPE 200	200	80	6	11	13	0	0
UPE 220	220	85	6.5	12	13	0	0
UPE 240	240	90	7	12.5	15	0	0
UPE 270	270	95	7.5	13.5	15	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23255	2092	31.8	18.2	40	40	0	1010	7.9
23242	2079	35.9	19.1	50	50	0	1250	9.82
23243	2080	40.2	19.8	60	60	0	1540	12.1
23244	2081	43.3	21.7	70	70	0	1840	14.5
23245	2082	47.3	22.7	80	80	0	2170	17
23246	2083	50.3	24.7	90	90	0	2510	19.7
23247	2084	54.4	25.6	100	100	0	2900	22.8
23248	2085	58	27	110	110	0	3390	26.6
23249	2086	62.1	27.9	120	120	0	3850	30.2
23250	2087	66.1	28.9	135	135	0	4480	35.2

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

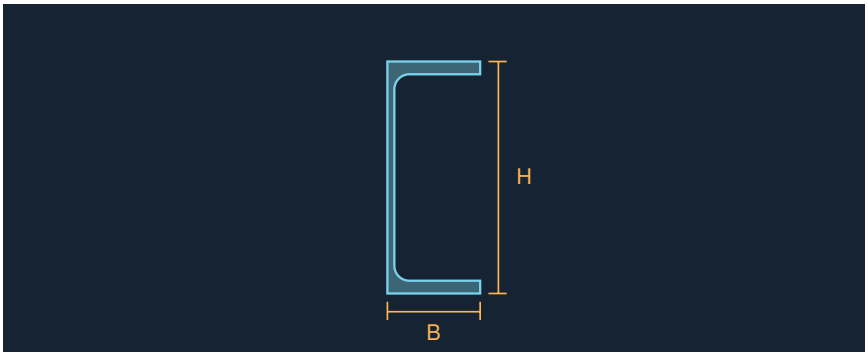
01 / STRUCTURAL PROFILES

Dimensions and variants

UPE

2/2

14 catalog variants / entries 11-14. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UPE 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPE 300	300	100	9.5	15	15	0	0
UPE 330	330	105	11	16	18	0	0
UPE 360	360	110	12	17	18	0	0
UPE 400	400	115	13.5	18	18	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23251	2088	71.1	28.9	150	150	0	5660	44.4
23252	2089	76	29	165	165	0	6780	53.2
23253	2090	80.3	29.7	180	180	0	7790	61.2
23254	2091	85.2	29.8	200	200	0	9190	72.2

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

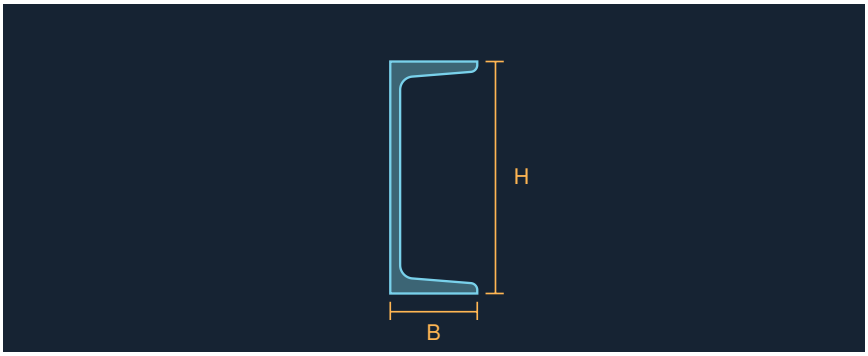
01 / STRUCTURAL PROFILES

Dimensions and variants

UPN

1/3

28 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: UPN 200

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPN 30	30	15	4	4.5	4.5	2.25	0
UPN 40X20X4	40	20	4	4	4	2	0
UPN 40X20X5	40	20	5	5.5	5.5	2.75	0
UPN 40X35X5	40	35	5	5	5	2.5	0
UPN 50X25X4	50	25	4	4	4	2	0
UPN 50X25X5	50	25	5	6	6	3	0
UPN 50X25X6	50	25	6	6	6	3	0
UPN 50X38X5	50	38	5	6	6	3	0
UPN 60X30X6	60	30	6	6	6	3	0
UPN 60X40X6	60	40	6	6	6	3	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23266	2103	9.8	5.2	15	15	0	221	1.74
23272	2109	13.9	6.1	20	20	0	287	2.25
23273	2110	13.3	6.7	20	20	0	366	2.87
23274	2111	23.1	11.9	20	20	0	495	3.88
23275	2112	17.9	7.1	25	25	0	366	2.87
23276	2113	16.9	8.1	25	25	0	492	3.86
23277	2114	17	8	25	25	0	528	4.15
23278	2115	25	13	25	25	0	642	5.04
23279	2116	20.9	9.1	30	30	0	646	5.07
23280	2117	27.5	12.5	30	30	0	761	5.98

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

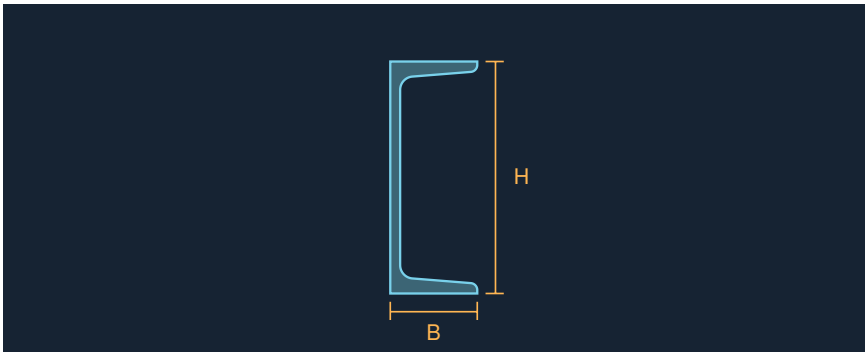
01 / STRUCTURAL PROFILES

Dimensions and variants

UPN

2/3

28 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UPN 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPN 65	65	42	5.5	6	6	3	0
UPN 70	70	40	6	6.5	6.5	3.25	0
UPN 80	80	45	6	8	8	4	0
UPN 100	100	50	6	8.5	8.5	4.5	0
UPN 120	120	55	7	9	9	4.5	0
UPN 140	140	60	7	10	10	5	0
UPN 160	160	65	7.5	10.5	10.5	5.5	0
UPN 180	180	70	8	11	11	5.5	0
UPN 200	200	75	8.5	11.5	11.5	6	0
UPN 220	220	80	9	12.5	12.5	6.5	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23281	2118	28.9	13.1	32.5	32.5	0	789	6.19
23282	2119	26.8	13.2	35	35	0	862	6.77
23283	2120	30.4758	14.5242	40	40	0	1095.42	8.59907
23256	2093	34.4886	15.5114	50	50	0	1338.02	10.5035
23257	2094	38.936	16.064	60	60	0	1688.49	13.2546
23258	2095	42.441	17.559	70	70	0	2026.92	15.9113
23259	2096	46.5988	18.4012	80	80	0	2389.4	18.7568
23260	2097	50.7107	19.2893	90	90	0	2782.63	21.8436
23261	2098	54.8494	20.1506	100	100	0	3202.26	25.1378
23262	2099	58.5464	21.4536	110	110	0	3726.54	29.2534

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

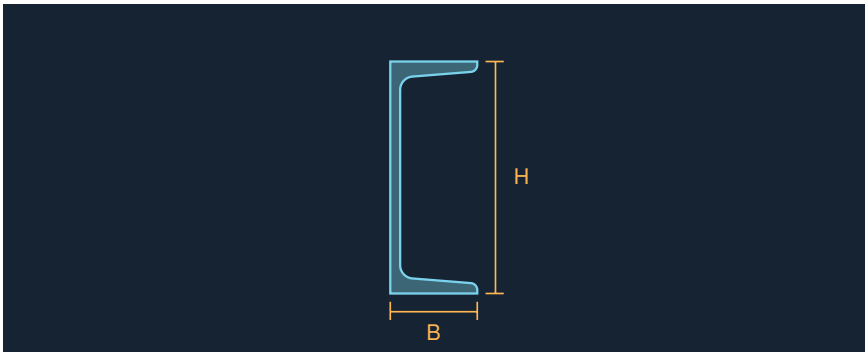
01 / STRUCTURAL PROFILES

Dimensions and variants

UPN

3/3

28 catalog variants / entries 21-28. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UPN 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UPN 240	240	85	9.5	13	13	6.5	0
UPN 260	260	90	10	14	14	7	0
UPN 280	280	95	10	15	15	7.5	0
UPN 300	300	100	10	16	16	8	0
UPN 320	320	100	14	17.5	17.5	8.75	0
UPN 350	350	100	14	16	16	8	0
UPN 380	380	102	13.5	16	16	8	0
UPN 400	400	110	14	18	18	9	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23263	2100	62.633	22.367	120	120	0	4210.49	33.0524
23264	2101	66.3158	23.6842	130	130	0	4806.28	37.7293
23265	2102	69.6675	25.3325	140	140	0	5320.61	41.7668
23267	2104	72.9878	27.0122	150	150	0	5855.7	45.9673
23268	2105	74.2671	25.7329	160	160	0	7437.41	58.3837
23269	2106	76.2856	23.7144	175	175	0	7583.28	59.5288
23270	2107	78.4037	23.5963	190	190	0	7895.64	61.9807
23271	2108	83.4789	26.5211	200	200	0	8993.95	71.8

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

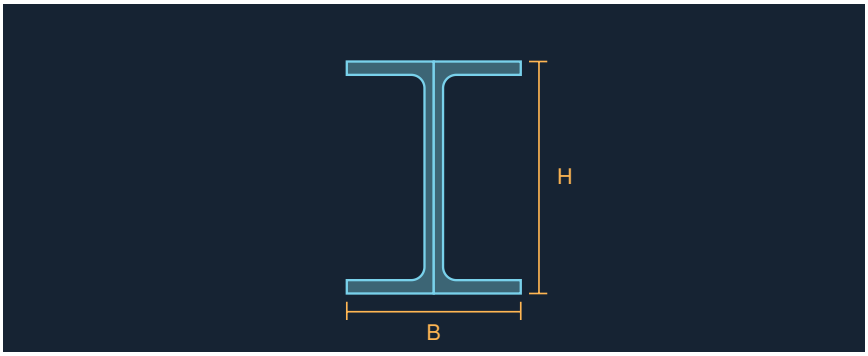
01 / STRUCTURAL PROFILES

Dimensions and variants

UUAP

1/1

10 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UUAP 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UUAP 80	80	90	5	8	8	0	0
UUAP 100	100	100	5.5	8.5	8.5	0	0
UUAP 130	130	110	6	9.5	9.5	0	0
UUAP 150	150	130	7	10.25	10.25	0	0
UUAP 175	175	140	7.5	10.75	10.75	0	0
UUAP 200	200	150	8	11.5	11.5	0	0
UUAP 220	220	160	8	12.5	12.5	0	0
UUAP 250	250	170	9	13.5	13.5	0	0
UUAP 270	270	190	9	14.5	14.5	0	0
UUAP 300	300	200	9.5	16	16	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23293	2130	45	45	40	40	0	2135	16.76
23284	2121	50	50	50	50	0	2675	21
23285	2122	55	55	65	65	0	3499.4	27.48
23286	2123	65	65	75	75	0	4568.2	35.86
23287	2124	70	70	87.5	87.5	0	5411.6	42.48
23288	2125	75	75	100	100	0	6395.6	50.2
23289	2126	80	80	110	110	0	7254.2	56.94
23290	2127	85	85	125	125	0	8760.4	68.76
23291	2128	95	95	135	135	0	10028.4	78.72
23292	2129	100	100	150	150	0	11711.8	91.94

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

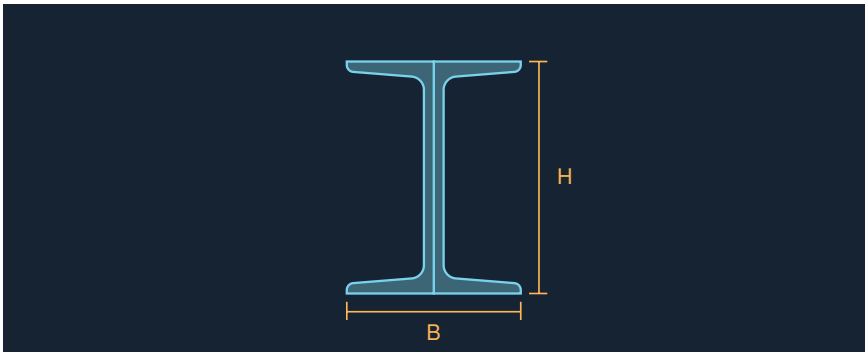
01 / STRUCTURAL PROFILES

Dimensions and variants

UUPN

1/2

16 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UUPN 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UUPN 80	80	90	6	8	8	4	0
UUPN 100	100	100	6	8.5	8.5	4.5	0
UUPN 120	120	110	7	9	9	4.5	0
UUPN 140	140	120	7	10	10	5	0
UUPN 160	160	130	7.5	10.5	10.5	5.5	0
UUPN 180	180	140	8	11	11	5.5	0
UUPN 200	200	150	8.5	11.5	11.5	6	0
UUPN 220	220	160	9	12.5	12.5	6.5	0
UUPN 240	240	170	9.5	13	13	6.5	0
UUPN 260	260	180	10	14	14	7	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23309	2146	45	45	40	40	0	2190.85	17.1981
23294	2131	50	50	50	50	0	2676.04	21.0069
23295	2132	55	55	60	60	0	3376.97	26.5092
23296	2133	60	60	70	70	0	4053.84	31.8226
23297	2134	65	65	80	80	0	4778.81	37.5136
23298	2135	70	70	90	90	0	5565.26	43.6873
23299	2136	75	75	100	100	0	6404.52	50.2755
23300	2137	80	80	110	110	0	7453.09	58.5067
23301	2138	85	85	120	120	0	8420.99	66.1048
23302	2139	90	90	130	130	0	9612.55	75.4585

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

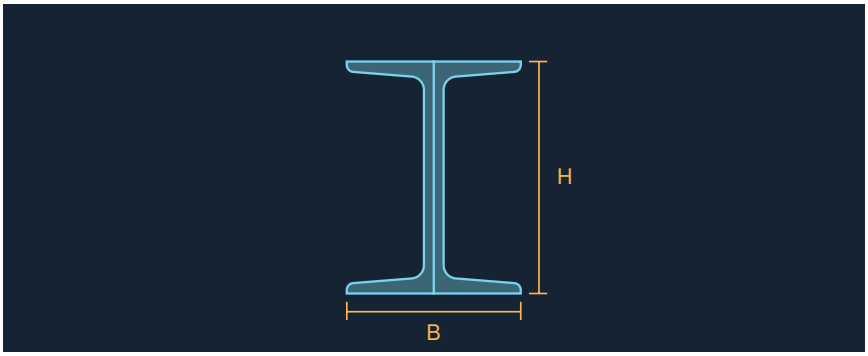
01 / STRUCTURAL PROFILES

Dimensions and variants

UUPN

2/2

16 catalog variants / entries 11-16. Lengths: mm; area: mm2; mass: kg/m.



Typical section: UUPN 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
UUPN 280	280	190	10	15	15	7.5	0
UUPN 300	300	200	10	16	16	8	0
UUPN 320	320	200	14	17.5	17.5	8.75	0
UUPN 350	350	200	14	16	16	8	0
UUPN 380	380	204	13.5	16	16	8	0
UUPN 400	400	220	14	18	18	9	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23303	2140	95	95	140	140	0	10641.2	83.5335
23304	2141	100	100	150	150	0	11711.4	91.9345
23305	2142	100	100	160	160	0	14874.8	116.767
23306	2143	100	100	175	175	0	15166.6	119.058
23307	2144	102	102	190	190	0	15791.3	126.2
23308	2145	110	110	200	200	0	17987.9	143.6

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

1/76

756 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 40x3	3	40	20	0	0	0	0
PLAT 50x3	3	50	25	0	0	0	0
PLAT 60x3	3	60	30	0	0	0	0
PLAT 30x4	4	30	15	0	0	0	0
PLAT 40x4	4	40	20	0	0	0	0
PLAT 50x4	4	50	25	0	0	0	0
PLAT 60x4	4	60	30	0	0	0	0
PLAT 10x5	5	10	5	0	0	0	0
PLAT 11x5	5	11	5.5	0	0	0	0
PLAT 12x5	5	12	6	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23316	1376	20	20	1.5	1.5	0	120	0.942
23318	1436	25	25	1.5	1.5	0	150	1.17
23320	1496	30	30	1.5	1.5	0	180	1.41
23315	1240	15	15	2	2	0	120	0.942
23317	1378	20	20	2	2	0	160	1.25
23319	1438	25	25	2	2	0	200	1.5625
23321	1499	30	30	2	2	0	240	1.875
22091	916	5	5	2.5	2.5	0	50	0.39
22119	944	5.5	5.5	2.5	2.5	0	55	0.43
22147	972	6	6	2.5	2.5	0	60	0.47

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

2/76

756 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 13x5	5	13	6.5	0	0	0	0
PLAT 14x5	5	14	7	0	0	0	0
PLAT 15x5	5	15	7.5	0	0	0	0
PLAT 16x5	5	16	8	0	0	0	0
PLAT 17x5	5	17	8.5	0	0	0	0
PLAT 18x5	5	18	9	0	0	0	0
PLAT 19x5	5	19	9.5	0	0	0	0
PLAT 20x5	5	20	10	0	0	0	0
PLAT 22x5	5	22	11	0	0	0	0
PLAT 25x5	5	25	12.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22163	988	6.5	6.5	2.5	2.5	0	65	0.51
22180	1005	7	7	2.5	2.5	0	70	0.55
22200	1025	7.5	7.5	2.5	2.5	0	75	0.59
22219	1044	8	8	2.5	2.5	0	80	0.63
22226	1051	8.5	8.5	2.5	2.5	0	85	0.67
22245	1070	9	9	2.5	2.5	0	90	0.71
22253	1078	9.5	9.5	2.5	2.5	0	95	0.75
22275	1100	10	10	2.5	2.5	0	100	0.79
22300	1125	11	11	2.5	2.5	0	110	0.86
22337	1162	12.5	12.5	2.5	2.5	0	125	0.98

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

3/76

756 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 26x5	5	26	13	0	0	0	0
PLAT 28x5	5	28	14	0	0	0	0
PLAT 30x5	5	30	15	0	0	0	0
PLAT 32x5	5	32	16	0	0	0	0
PLAT 35x5	5	35	17.5	0	0	0	0
PLAT 38x5	5	38	19	0	0	0	0
PLAT 40x5	5	40	20	0	0	0	0
PLAT 45x5	5	45	22.5	0	0	0	0
PLAT 50x5	5	50	25	0	0	0	0
PLAT 55x5	5	55	27.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22363	1188	13	13	2.5	2.5	0	130	1.02
22387	1212	14	14	2.5	2.5	0	140	1.1
22415	1241	15	15	2.5	2.5	0	150	1.18
22443	1269	16	16	2.5	2.5	0	160	1.26
22483	1309	17.5	17.5	2.5	2.5	0	175	1.37
22523	1349	19	19	2.5	2.5	0	190	1.49
22551	1379	20	20	2.5	2.5	0	200	1.57
22580	1408	22.5	22.5	2.5	2.5	0	225	1.77
22610	1440	25	25	2.5	2.5	0	250	1.96
22640	1470	27.5	27.5	2.5	2.5	0	275	2.16

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

4/76

756 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 60x5	5	60	30	0	0	0	0
PLAT 70x5	5	70	35	0	0	0	0
PLAT 75x5	5	75	37.5	0	0	0	0
PLAT 80x5	5	80	40	0	0	0	0
PLAT 90x5	5	90	45	0	0	0	0
PLAT 100x5	5	100	50	0	0	0	0
PLAT 150x5	5	150	750	0	0	0	0
PLAT 160x5	5	160	80	0	0	0	0
PLAT 180x5	5	180	90	0	0	0	0
PLAT 200x5	5	200	100	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22669	1501	30	30	2.5	2.5	0	300	2.36
22714	1546	35	35	2.5	2.5	0	350	2.75
22743	1575	37.5	37.5	2.5	2.5	0	375	2.94
22772	1604	40	40	2.5	2.5	0	400	3.14
22803	1635	45	45	2.5	2.5	0	450	3.53
22085	910	50	50	2.5	2.5	0	500	3.93
22195	1020	75	75	2.5	2.5	0	750	5.88
22211	1036	80	80	2.5	2.5	0	800	6.28
22237	1062	90	90	2.5	2.5	0	900	7.07
22265	1090	100	100	2.5	2.5	0	1000	7.85

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

5/76

756 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 220x5	5	220	110	0	0	0	0
PLAT 240x5	5	240	120	0	0	0	0
PLAT 250x5	5	250	125	0	0	0	0
PLAT 260x5	5	260	130	0	0	0	0
PLAT 280x5	5	280	140	0	0	0	0
PLAT 300x5	5	300	150	0	0	0	0
PLAT 320x5	5	320	160	0	0	0	0
PLAT 340x5	5	340	170	0	0	0	0
PLAT 350x5	5	350	175	0	0	0	0
PLAT 360x5	5	360	180	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22288	1113	110	110	2.5	2.5	0	1100	7.85
22312	1137	120	120	2.5	2.5	0	1200	9.42
22325	1150	125	125	2.5	2.5	0	1250	9.81
22349	1174	130	130	2.5	2.5	0	1300	10.21
22375	1200	140	140	2.5	2.5	0	1400	10.99
22399	1224	150	150	2.5	2.5	0	1500	11.78
22428	1254	160	160	2.5	2.5	0	1600	12.56
22454	1280	170	170	2.5	2.5	0	1700	13.35
22467	1293	175	175	2.5	2.5	0	1750	13.74
22495	1321	180	180	2.5	2.5	0	1800	14.13

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

6/76

756 catalog variants / entries 51-60. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 380x5	5	380	190	0	0	0	0
PLAT 400x5	5	400	200	0	0	0	0
PLAT 450x5	5	450	225	0	0	0	0
PLAT 500x5	5	500	250	0	0	0	0
PLAT 550x5	5	550	275	0	0	0	0
PLAT 600x5	5	600	300	0	0	0	0
PLAT 650x5	5	650	325	0	0	0	0
PLAT 700x5	5	700	350	0	0	0	0
PLAT 750x5	5	750	375	0	0	0	0
PLAT 800x5	5	800	400	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22508	1334	190	190	2.5	2.5	0	1900	14.92
22534	1360	200	200	2.5	2.5	0	2000	15.7
22564	1392	225	225	2.5	2.5	0	2250	17.66
22592	1420	250	250	2.5	2.5	0	2500	19.63
22623	1453	275	275	2.5	2.5	0	2750	21.59
22651	1481	300	300	2.5	2.5	0	3000	23.55
22683	1515	325	325	2.5	2.5	0	3250	25.51
22696	1528	350	350	2.5	2.5	0	3500	27.48
22727	1559	375	375	2.5	2.5	0	3750	29.44
22755	1587	400	400	2.5	2.5	0	4000	31.4

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

7/76

756 catalog variants / entries 61-70. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 900x5	5	900	450	0	0	0	0
PLAT 1000x5	5	1000	500	0	0	0	0
PLAT 1100x5	5	1100	550	0	0	0	0
PLAT 1200x5	5	1200	600	0	0	0	0
PLAT 11x6	6	11	5.5	0	0	0	0
PLAT 12x6	6	12	6	0	0	0	0
PLAT 13x6	6	13	6.5	0	0	0	0
PLAT 14x6	6	14	7	0	0	0	0
PLAT 15x6	6	15	7.5	0	0	0	0
PLAT 16x6	6	16	8	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22786	1618	450	450	2.5	2.5	0	4500	35.33
22068	893	500	500	2.5	2.5	0	5000	39.25
22099	924	550	550	2.5	2.5	0	5500	43.18
22128	953	600	600	2.5	2.5	0	6000	47.1
22120	945	5.5	5.5	3	3	0	66	0.52
22148	973	6	6	3	3	0	72	0.57
22164	989	6.5	6.5	3	3	0	78	0.61
22181	1006	7	7	3	3	0	84	0.66
22201	1026	7.5	7.5	3	3	0	90	0.71
22220	1045	8	8	3	3	0	96	0.75

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

8/76

756 catalog variants / entries 71-80. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 17x6	6	17	8.5	0	0	0	0
PLAT 18x6	6	18	9	0	0	0	0
PLAT 19x6	6	19	9.5	0	0	0	0
PLAT 20x6	6	20	10	0	0	0	0
PLAT 22x6	6	22	11	0	0	0	0
PLAT 25x6	6	25	12.5	0	0	0	0
PLAT 26x6	6	26	13	0	0	0	0
PLAT 28x6	6	28	14	0	0	0	0
PLAT 30x6	6	30	15	0	0	0	0
PLAT 32x6	6	32	16	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22227	1052	8.5	8.5	3	3	0	102	0.8
22246	1071	9	9	3	3	0	108	0.85
22254	1079	9.5	9.5	3	3	0	114	0.89
22276	1101	10	10	3	3	0	120	0.94
22301	1126	11	11	3	3	0	132	1.04
22338	1163	12.5	12.5	3	3	0	150	1.18
22364	1189	13	13	3	3	0	156	1.22
22388	1213	14	14	3	3	0	168	1.32
22416	1242	15	15	3	3	0	180	1.41
22444	1270	16	16	3	3	0	192	1.51

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

9/76

756 catalog variants / entries 81-90. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 35x6	6	35	17.5	0	0	0	0
PLAT 38x6	6	38	19	0	0	0	0
PLAT 40x6	6	40	20	0	0	0	0
PLAT 45x6	6	45	22.5	0	0	0	0
PLAT 50x6	6	50	25	0	0	0	0
PLAT 55x6	6	55	27.5	0	0	0	0
PLAT 60x6	6	60	30	0	0	0	0
PLAT 70x6	6	70	35	0	0	0	0
PLAT 75x6	6	75	37.5	0	0	0	0
PLAT 80x6	6	80	40	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22484	1310	17.5	17.5	3	3	0	210	1.65
22524	1350	19	19	3	3	0	228	1.79
22552	1380	20	20	3	3	0	240	1.88
22581	1409	22.5	22.5	3	3	0	270	2.12
22611	1441	25	25	3	3	0	300	2.36
22641	1471	27.5	27.5	3	3	0	330	2.59
22671	1503	30	30	3	3	0	360	2.83
22716	1548	35	35	3	3	0	420	3.3
22744	1576	37.5	37.5	3	3	0	450	3.53
22774	1606	40	40	3	3	0	480	3.77

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

10/76

756 catalog variants / entries 91-100. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 90x6	6	90	45	0	0	0	0
PLAT 100x6	6	100	50	0	0	0	0
PLAT 160x6	6	160	80	0	0	0	0
PLAT 180x6	6	180	90	0	0	0	0
PLAT 200x6	6	200	100	0	0	0	0
PLAT 220x6	6	220	110	0	0	0	0
PLAT 240x6	6	240	120	0	0	0	0
PLAT 250x6	6	250	125	0	0	0	0
PLAT 260x6	6	260	130	0	0	0	0
PLAT 280x6	6	280	140	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22805	1637	45	45	3	3	0	540	4.24
22087	912	50	50	3	3	0	600	4.71
22213	1038	80	80	3	3	0	960	7.54
22239	1064	90	90	3	3	0	1080	8.48
22267	1092	100	100	3	3	0	1200	9.42
22290	1115	110	110	3	3	0	1320	9.42
22314	1139	120	120	3	3	0	1440	11.3
22327	1152	125	125	3	3	0	1500	11.78
22351	1176	130	130	3	3	0	1560	12.25
22377	1202	140	140	3	3	0	1680	13.19

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

11/76

756 catalog variants / entries 101-110. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 300x6	6	300	150	0	0	0	0
PLAT 320x6	6	320	160	0	0	0	0
PLAT 340x6	6	340	170	0	0	0	0
PLAT 350x6	6	350	175	0	0	0	0
PLAT 360x6	6	360	180	0	0	0	0
PLAT 380x6	6	380	190	0	0	0	0
PLAT 400x6	6	400	200	0	0	0	0
PLAT 450x6	6	450	225	0	0	0	0
PLAT 500x6	6	500	250	0	0	0	0
PLAT 550x6	6	550	275	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22401	1226	150	150	3	3	0	1800	14.13
22430	1256	160	160	3	3	0	1920	15.07
22456	1282	170	170	3	3	0	2040	16.01
22469	1295	175	175	3	3	0	2100	16.49
22497	1323	180	180	3	3	0	2160	16.96
22510	1336	190	190	3	3	0	2280	17.9
22536	1362	200	200	3	3	0	2400	18.84
22566	1394	225	225	3	3	0	2700	21.2
22594	1422	250	250	3	3	0	3000	23.55
22625	1455	275	275	3	3	0	3300	25.91

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

12/76

756 catalog variants / entries 111-120. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 600x6	6	600	300	0	0	0	0
PLAT 650x6	6	650	325	0	0	0	0
PLAT 700x6	6	700	350	0	0	0	0
PLAT 750x6	6	750	375	0	0	0	0
PLAT 800x6	6	800	400	0	0	0	0
PLAT 900x6	6	900	450	0	0	0	0
PLAT 1000x6	6	1000	500	0	0	0	0
PLAT 1100x6	6	1100	550	0	0	0	0
PLAT 1200x6	6	1200	600	0	0	0	0
PLAT 13x6,5	6.5	13	6.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22653	1483	300	300	3	3	0	3600	28.26
22685	1517	325	325	3	3	0	3900	30.62
22698	1530	350	350	3	3	0	4200	32.97
22729	1561	375	375	3	3	0	4500	35.33
22757	1589	400	400	3	3	0	4800	37.68
22788	1620	450	450	3	3	0	5400	42.39
22070	895	500	500	3	3	0	6000	47.1
22101	926	550	550	3	3	0	6600	51.81
22130	955	600	600	3	3	0	7200	56.52
22165	990	6.5	6.5	3.25	3.25	0	84.5	0.66

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

13/76

756 catalog variants / entries 121-130. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 16x6,5	6.5	16	8	0	0	0	0
PLAT 18x6,5	6.5	18	9	0	0	0	0
PLAT 20x6,5	6.5	20	10	0	0	0	0
PLAT 22x6,5	6.5	22	11	0	0	0	0
PLAT 25x6,5	6.5	25	12.5	0	0	0	0
PLAT 26x6,5	6.5	26	13	0	0	0	0
PLAT 28x6,5	6.5	28	14	0	0	0	0
PLAT 30x6,5	6.5	30	15	0	0	0	0
PLAT 32x6,5	6.5	32	16	0	0	0	0
PLAT 35x6,5	6.5	35	17.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22221	1046	8	8	3.25	3.25	0	104	0.82
22247	1072	9	9	3.25	3.25	0	117	0.92
22277	1102	10	10	3.25	3.25	0	130	1.02
22302	1127	11	11	3.25	3.25	0	143	1.12
22339	1164	12.5	12.5	3.25	3.25	0	162.5	1.28
22365	1190	13	13	3.25	3.25	0	169	1.33
22389	1214	14	14	3.25	3.25	0	182	1.43
22417	1243	15	15	3.25	3.25	0	195	1.53
22445	1271	16	16	3.25	3.25	0	208	1.63
22485	1311	17.5	17.5	3.25	3.25	0	227.5	1.79

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

14/76

756 catalog variants / entries 131-140. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 38x6,5	6.5	38	19	0	0	0	0
PLAT 40x6,5	6.5	40	20	0	0	0	0
PLAT 45x6,5	6.5	45	22.5	0	0	0	0
PLAT 50x6,5	6.5	50	25	0	0	0	0
PLAT 55x6,5	6.5	55	27.5	0	0	0	0
PLAT 60x6,5	6.5	60	30	0	0	0	0
PLAT 70x6,5	6.5	70	35	0	0	0	0
PLAT 75x6,5	6.5	75	37.5	0	0	0	0
PLAT 80x6,5	6.5	80	40	0	0	0	0
PLAT 90x6,5	6.5	90	45	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22525	1351	19	19	3.25	3.25	0	247	1.94
22553	1381	20	20	3.25	3.25	0	260	2.04
22582	1410	22.5	22.5	3.25	3.25	0	292.5	2.3
22612	1442	25	25	3.25	3.25	0	325	2.55
22642	1472	27.5	27.5	3.25	3.25	0	357.5	2.81
22672	1504	30	30	3.25	3.25	0	390	3.06
22717	1549	35	35	3.25	3.25	0	455	3.57
22745	1577	37.5	37.5	3.25	3.25	0	487.5	3.83
22775	1607	40	40	3.25	3.25	0	520	4.08
22806	1638	45	45	3.25	3.25	0	585	4.59

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

15/76

756 catalog variants / entries 141-150. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 100x6,5	6.5	100	50	0	0	0	0
PLAT 13x7	7	13	6.5	0	0	0	0
PLAT 14x7	7	14	7	0	0	0	0
PLAT 15x7	7	15	7.5	0	0	0	0
PLAT 16x7	7	16	8	0	0	0	0
PLAT 17x7	7	17	8.5	0	0	0	0
PLAT 18x7	7	18	9	0	0	0	0
PLAT 19x7	7	19	9.5	0	0	0	0
PLAT 20x7	7	20	10	0	0	0	0
PLAT 22x7	7	22	11	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22088	913	50	50	3.25	3.25	0	650	5.1
22166	991	6.5	6.5	3.5	3.5	0	91	0.71
22182	1007	7	7	3.5	3.5	0	98	0.77
22202	1027	7.5	7.5	3.5	3.5	0	105	0.82
22222	1047	8	8	3.5	3.5	0	112	0.88
22228	1053	8.5	8.5	3.5	3.5	0	119	0.93
22248	1073	9	9	3.5	3.5	0	126	0.99
22255	1080	9.5	9.5	3.5	3.5	0	133	1.04
22278	1103	10	10	3.5	3.5	0	140	1.1
22303	1128	11	11	3.5	3.5	0	154	1.21

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

16/76

756 catalog variants / entries 151-160. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 25x7	7	25	12.5	0	0	0	0
PLAT 26x7	7	26	13	0	0	0	0
PLAT 28x7	7	28	14	0	0	0	0
PLAT 30x7	7	30	15	0	0	0	0
PLAT 35x7	7	35	17.5	0	0	0	0
PLAT 40x7	7	40	20	0	0	0	0
PLAT 45x7	7	45	22.5	0	0	0	0
PLAT 50x7	7	50	25	0	0	0	0
PLAT 60x7	7	60	30	0	0	0	0
PLAT 70x7	7	70	35	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22340	1165	12.5	12.5	3.5	3.5	0	175	1.37
22366	1191	13	13	3.5	3.5	0	182	1.43
22390	1215	14	14	3.5	3.5	0	196	1.54
22418	1244	15	15	3.5	3.5	0	210	1.65
22486	1312	17.5	17.5	3.5	3.5	0	245	1.92
22554	1382	20	20	3.5	3.5	0	280	2.2
22583	1411	22.5	22.5	3.5	3.5	0	315	2.47
22613	1443	25	25	3.5	3.5	0	350	2.75
22673	1505	30	30	3.5	3.5	0	420	3.3
22718	1550	35	35	3.5	3.5	0	490	3.85

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

17/76

756 catalog variants / entries 161-170. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 80x7	7	80	40	0	0	0	0
PLAT 13x8	8	13	6.5	0	0	0	0
PLAT 14x8	8	14	7	0	0	0	0
PLAT 15x8	8	15	7.5	0	0	0	0
PLAT 16x8	8	16	8	0	0	0	0
PLAT 17x8	8	17	8.5	0	0	0	0
PLAT 18x8	8	18	9	0	0	0	0
PLAT 19x8	8	19	9.5	0	0	0	0
PLAT 20x8	8	20	10	0	0	0	0
PLAT 22x8	8	22	11	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22777	1609	40	40	3.5	3.5	0	560	4.4
22167	992	6.5	6.5	4	4	0	104	0.82
22183	1008	7	7	4	4	0	112	0.88
22203	1028	7.5	7.5	4	4	0	120	0.94
22223	1048	8	8	4	4	0	128	1
22229	1054	8.5	8.5	4	4	0	136	1.07
22249	1074	9	9	4	4	0	144	1.13
22256	1081	9.5	9.5	4	4	0	152	1.19
22279	1104	10	10	4	4	0	160	1.26
22304	1129	11	11	4	4	0	176	1.38

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

18/76

756 catalog variants / entries 171-180. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 25x8	8	25	12.5	0	0	0	0
PLAT 26x8	8	26	13	0	0	0	0
PLAT 28x8	8	28	14	0	0	0	0
PLAT 30x8	8	30	15	0	0	0	0
PLAT 32x8	8	32	16	0	0	0	0
PLAT 35x8	8	35	17.5	0	0	0	0
PLAT 38x8	8	38	19	0	0	0	0
PLAT 40x8	8	40	20	0	0	0	0
PLAT 45x8	8	45	22.5	0	0	0	0
PLAT 50x8	8	50	25	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22341	1166	12.5	12.5	4	4	0	200	1.57
22367	1192	13	13	4	4	0	208	1.63
22391	1216	14	14	4	4	0	224	1.76
22419	1245	15	15	4	4	0	240	1.88
22446	1272	16	16	4	4	0	256	2.01
22487	1313	17.5	17.5	4	4	0	280	2.2
22526	1352	19	19	4	4	0	304	2.39
22555	1383	20	20	4	4	0	320	2.51
22584	1412	22.5	22.5	4	4	0	360	2.83
22614	1444	25	25	4	4	0	400	3.14

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

19/76

756 catalog variants / entries 181-190. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 55x8	8	55	27.5	0	0	0	0
PLAT 60x8	8	60	30	0	0	0	0
PLAT 70x8	8	70	35	0	0	0	0
PLAT 75x8	8	75	37.5	0	0	0	0
PLAT 80x8	8	80	40	0	0	0	0
PLAT 90x8	8	90	45	0	0	0	0
PLAT 100x8	8	100	50	0	0	0	0
PLAT 110x8	8	110	55	0	0	0	0
PLAT 120x8	8	120	60	0	0	0	0
PLAT 130x8	8	130	65	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22643	1473	27.5	27.5	4	4	0	440	3.45
22674	1506	30	30	4	4	0	480	3.77
22719	1551	35	35	4	4	0	560	4.4
22747	1579	37.5	37.5	4	4	0	600	4.71
22778	1610	40	40	4	4	0	640	5.02
22808	1640	45	45	4	4	0	720	5.65
22090	915	50	50	4	4	0	800	6.28
22117	942	55	55	4	4	0	880	6.91
22146	971	60	60	4	4	0	960	7.54
22161	986	65	65	4	4	0	1040	8.16

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

20/76

756 catalog variants / entries 191-200. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 140x8	8	140	70	0	0	0	0
PLAT 150x8	8	150	75	0	0	0	0
PLAT 160x8	8	160	80	0	0	0	0
PLAT 180x8	8	180	90	0	0	0	0
PLAT 200x8	8	200	100	0	0	0	0
PLAT 220x8	8	220	110	0	0	0	0
PLAT 240x8	8	240	120	0	0	0	0
PLAT 250x8	8	250	125	0	0	0	0
PLAT 260x8	8	260	130	0	0	0	0
PLAT 280x8	8	280	140	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22179	1004	70	70	4	4	0	1120	8.79
22198	1023	75	75	4	4	0	1200	9.42
22215	1040	80	80	4	4	0	1280	10.05
22241	1066	90	90	4	4	0	1440	11.3
22269	1094	100	100	4	4	0	1600	12.56
22292	1117	110	110	4	4	0	1760	12.56
22316	1141	120	120	4	4	0	1920	15.07
22329	1154	125	125	4	4	0	2000	15.7
22353	1178	130	130	4	4	0	2080	16.33
22379	1204	140	140	4	4	0	2240	17.58

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

21/76

756 catalog variants / entries 201-210. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 300x8	8	300	150	0	0	0	0
PLAT 320x8	8	320	160	0	0	0	0
PLAT 340x8	8	340	170	0	0	0	0
PLAT 350x8	8	350	175	0	0	0	0
PLAT 360x8	8	360	180	0	0	0	0
PLAT 380x8	8	380	190	0	0	0	0
PLAT 400x8	8	400	200	0	0	0	0
PLAT 450x8	8	450	225	0	0	0	0
PLAT 500x8	8	500	250	0	0	0	0
PLAT 550x8	8	550	275	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22403	1228	150	150	4	4	0	2400	18.84
22432	1258	160	160	4	4	0	2560	20.1
22458	1284	170	170	4	4	0	2720	21.35
22471	1297	175	175	4	4	0	2800	21.98
22499	1325	180	180	4	4	0	2880	22.61
22512	1338	190	190	4	4	0	3040	23.86
22538	1364	200	200	4	4	0	3200	25.12
22568	1396	225	225	4	4	0	3600	28.26
22596	1424	250	250	4	4	0	4000	31.4
22627	1457	275	275	4	4	0	4400	34.54

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

22/76

756 catalog variants / entries 211-220. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 600x8	8	600	300	0	0	0	0
PLAT 650x8	8	650	325	0	0	0	0
PLAT 700x8	8	700	350	0	0	0	0
PLAT 750x8	8	750	375	0	0	0	0
PLAT 800x8	8	800	400	0	0	0	0
PLAT 900x8	8	900	450	0	0	0	0
PLAT 1000x8	8	1000	500	0	0	0	0
PLAT 1100x8	8	1100	550	0	0	0	0
PLAT 1200x8	8	1200	600	0	0	0	0
PLAT 13x9	9	13	6.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22655	1485	300	300	4	4	0	4800	37.68
22687	1519	325	325	4	4	0	5200	40.82
22700	1532	350	350	4	4	0	5600	43.96
22731	1563	375	375	4	4	0	6000	47.1
22759	1591	400	400	4	4	0	6400	50.24
22790	1622	450	450	4	4	0	7200	56.52
22072	897	500	500	4	4	0	8000	62.8
22103	928	550	550	4	4	0	8800	69.08
22132	957	600	600	4	4	0	9600	75.36
22168	993	6.5	6.5	4.5	4.5	0	117	0.92

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

23/76

756 catalog variants / entries 221-230. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 16x9	9	16	8	0	0	0	0
PLAT 18x9	9	18	9	0	0	0	0
PLAT 19x9	9	19	9.5	0	0	0	0
PLAT 20x9	9	20	10	0	0	0	0
PLAT 30x9	9	30	15	0	0	0	0
PLAT 40x9	9	40	20	0	0	0	0
PLAT 50x9	9	50	25	0	0	0	0
PLAT 60x9	9	60	30	0	0	0	0
PLAT 90x9	9	90	45	0	0	0	0
PLAT 110x9	9	110	55	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22224	1049	8	8	4.5	4.5	0	144	1.13
22250	1075	9	9	4.5	4.5	0	162	1.27
22257	1082	9.5	9.5	4.5	4.5	0	171	1.34
22280	1105	10	10	4.5	4.5	0	180	1.41
22420	1246	15	15	4.5	4.5	0	270	2.12
22556	1384	20	20	4.5	4.5	0	360	2.83
22615	1445	25	25	4.5	4.5	0	450	3.53
22675	1507	30	30	4.5	4.5	0	540	4.24
22809	1641	45	45	4.5	4.5	0	810	6.36
22118	943	55	55	4.5	4.5	0	990	7.77

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

24/76

756 catalog variants / entries 231-240. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 130x9	9	130	65	0	0	0	0
PLAT 15x10	10	15	7.5	0	0	0	0
PLAT 16x10	10	16	8	0	0	0	0
PLAT 18x10	10	18	9	0	0	0	0
PLAT 20x10	10	20	10	0	0	0	0
PLAT 22x10	10	22	11	0	0	0	0
PLAT 25x10	10	25	12.5	0	0	0	0
PLAT 26x10	10	26	13	0	0	0	0
PLAT 28x10	10	28	14	0	0	0	0
PLAT 30x10	10	30	15	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22162	987	65	65	4.5	4.5	0	1170	9.18
22199	1024	7.5	7.5	5	5	0	150	1.18
22217	1042	8	8	5	5	0	160	1.26
22243	1068	9	9	5	5	0	180	1.41
22271	1096	10	10	5	5	0	200	1.57
22294	1119	11	11	5	5	0	220	1.73
22331	1156	12.5	12.5	5	5	0	250	1.96
22355	1180	13	13	5	5	0	260	2.04
22381	1206	14	14	5	5	0	280	2.2
22405	1230	15	15	5	5	0	300	2.36

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

25/76

756 catalog variants / entries 241-250. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 32x10	10	32	16	0	0	0	0
PLAT 35x10	10	35	17.5	0	0	0	0
PLAT 38x10	10	38	19	0	0	0	0
PLAT 40x10	10	40	20	0	0	0	0
PLAT 45x10	10	45	22.5	0	0	0	0
PLAT 50x10	10	50	25	0	0	0	0
PLAT 55x10	10	55	27.5	0	0	0	0
PLAT 60x10	10	60	30	0	0	0	0
PLAT 70x10	10	70	35	0	0	0	0
PLAT 75x10	10	75	37.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22434	1260	16	16	5	5	0	320	2.51
22473	1299	17.5	17.5	5	5	0	350	2.75
22514	1340	19	19	5	5	0	380	2.98
22540	1366	20	20	5	5	0	400	3.14
22570	1398	22.5	22.5	5	5	0	450	3.53
22598	1426	25	25	5	5	0	500	3.93
22629	1459	27.5	27.5	5	5	0	550	4.32
22657	1487	30	30	5	5	0	600	4.71
22702	1534	35	35	5	5	0	700	5.5
22733	1565	37.5	37.5	5	5	0	750	5.89

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

26/76

756 catalog variants / entries 251-260. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 80x10	10	80	40	0	0	0	0
PLAT 90x10	10	90	45	0	0	0	0
PLAT 100x10	10	100	50	0	0	0	0
PLAT 110x10	10	110	55	0	0	0	0
PLAT 120x10	10	120	60	0	0	0	0
PLAT 130x10	10	130	65	0	0	0	0
PLAT 140x10	10	140	70	0	0	0	0
PLAT 150x10	10	150	75	0	0	0	0
PLAT 160x10	10	160	80	0	0	0	0
PLAT 180x10	10	180	90	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22761	1593	40	40	5	5	0	800	6.28
22792	1624	45	45	5	5	0	900	7.07
22074	899	50	50	5	5	0	1000	7.85
22105	930	55	55	5	5	0	1100	8.64
22134	959	60	60	5	5	0	1200	9.42
22149	974	65	65	5	5	0	1300	10.21
22169	994	70	70	5	5	0	1400	10.99
22184	1009	75	75	5	5	0	1500	11.78
22204	1029	80	80	5	5	0	1600	12.56
22230	1055	90	90	5	5	0	1800	14.13

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

27/76

756 catalog variants / entries 261-270. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 200x10	10	200	100	0	0	0	0
PLAT 220x10	10	220	110	0	0	0	0
PLAT 240x10	10	240	120	0	0	0	0
PLAT 250x10	10	250	125	0	0	0	0
PLAT 260x10	10	260	130	0	0	0	0
PLAT 280x10	10	280	140	0	0	0	0
PLAT 300x10	10	300	150	0	0	0	0
PLAT 320x10	10	320	160	0	0	0	0
PLAT 340x10	10	340	170	0	0	0	0
PLAT 350x10	10	350	175	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22258	1083	100	100	5	5	0	2000	15.7
22281	1106	110	110	5	5	0	2200	17.27
22305	1130	120	120	5	5	0	2400	18.84
22318	1143	125	125	5	5	0	2500	19.63
22342	1167	130	130	5	5	0	2600	20.41
22368	1193	140	140	5	5	0	2800	21.98
22392	1217	150	150	5	5	0	3000	23.55
22421	1247	160	160	5	5	0	3200	25.12
22447	1273	170	170	5	5	0	3400	26.69
22460	1286	175	175	5	5	0	3500	27.48

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

28/76

756 catalog variants / entries 271-280. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 360x10	10	360	180	0	0	0	0
PLAT 380x10	10	380	190	0	0	0	0
PLAT 400x10	10	400	200	0	0	0	0
PLAT 450x10	10	450	225	0	0	0	0
PLAT 500x10	10	500	250	0	0	0	0
PLAT 550x10	10	550	275	0	0	0	0
PLAT 600x10	10	600	300	0	0	0	0
PLAT 650x10	10	650	325	0	0	0	0
PLAT 700x10	10	700	350	0	0	0	0
PLAT 750x10	10	750	375	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22488	1314	180	180	5	5	0	3600	28.26
22501	1327	190	190	5	5	0	3800	29.83
22527	1353	200	200	5	5	0	4000	31.4
22557	1385	225	225	5	5	0	4500	35.33
22585	1413	250	250	5	5	0	5000	39.25
22616	1446	275	275	5	5	0	5500	43.18
22644	1474	300	300	5	5	0	6000	47.1
22676	1508	325	325	5	5	0	6500	51.03
22689	1521	350	350	5	5	0	7000	54.95
22720	1552	375	375	5	5	0	7500	58.88

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

29/76

756 catalog variants / entries 281-290. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 800x10	10	800	400	0	0	0	0
PLAT 900x10	10	900	450	0	0	0	0
PLAT 1000x10	10	1000	500	0	0	0	0
PLAT 1100x10	10	1100	550	0	0	0	0
PLAT 1200x10	10	1200	600	0	0	0	0
PLAT 16x11	11	16	8	0	0	0	0
PLAT 17x11	11	17	8.5	0	0	0	0
PLAT 18x11	11	18	9	0	0	0	0
PLAT 19x11	11	19	9.5	0	0	0	0
PLAT 22x11	11	22	11	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22748	1580	400	400	5	5	0	8000	62.8
22779	1611	450	450	5	5	0	9000	70.65
22061	886	500	500	5	5	0	10000	78.5
22092	917	550	550	5	5	0	11000	86.35
22121	946	600	600	5	5	0	12000	94.2
22218	1043	8	8	5.5	5.5	0	176	1.38
22225	1050	8.5	8.5	5.5	5.5	0	187	1.47
22244	1069	9	9	5.5	5.5	0	198	1.55
22251	1076	9.5	9.5	5.5	5.5	0	209	1.64
22295	1120	11	11	5.5	5.5	0	242	1.9

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

30/76

756 catalog variants / entries 291-300. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 80x11	11	80	40	0	0	0	0
PLAT 90x11	11	90	45	0	0	0	0
PLAT 100x11	11	100	50	0	0	0	0
PLAT 110x11	11	110	55	0	0	0	0
PLAT 120x11	11	120	60	0	0	0	0
PLAT 130x11	11	130	65	0	0	0	0
PLAT 150x11	11	150	75	0	0	0	0
PLAT 20x12	12	20	10	0	0	0	0
PLAT 22x12	12	22	11	0	0	0	0
PLAT 25x12	12	25	12.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22762	1594	40	40	5.5	5.5	0	880	6.91
22793	1625	45	45	5.5	5.5	0	990	7.77
22075	900	50	50	5.5	5.5	0	1100	8.64
22106	931	55	55	5.5	5.5	0	1210	9.5
22135	960	60	60	5.5	5.5	0	1320	10.36
22150	975	65	65	5.5	5.5	0	1430	11.23
22185	1010	75	75	5.5	5.5	0	1650	12.95
22272	1097	10	10	6	6	0	240	1.88
22296	1121	11	11	6	6	0	264	2.07
22332	1157	12.5	12.5	6	6	0	300	2.36

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

31/76

756 catalog variants / entries 301-310. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 26x12	12	26	13	0	0	0	0
PLAT 28x12	12	28	14	0	0	0	0
PLAT 30x12	12	30	15	0	0	0	0
PLAT 32x12	12	32	16	0	0	0	0
PLAT 35x12	12	35	17.5	0	0	0	0
PLAT 38x12	12	38	19	0	0	0	0
PLAT 40x12	12	40	20	0	0	0	0
PLAT 45x12	12	45	22.5	0	0	0	0
PLAT 50x12	12	50	25	0	0	0	0
PLAT 55x12	12	55	27.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22356	1181	13	13	6	6	0	312	2.45
22382	1207	14	14	6	6	0	336	2.64
22406	1231	15	15	6	6	0	360	2.83
22435	1261	16	16	6	6	0	384	3.01
22474	1300	17.5	17.5	6	6	0	420	3.3
22515	1341	19	19	6	6	0	456	3.58
22541	1367	20	20	6	6	0	480	3.77
22571	1399	22.5	22.5	6	6	0	540	4.24
22599	1427	25	25	6	6	0	600	4.71
22630	1460	27.5	27.5	6	6	0	660	5.18

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

32/76

756 catalog variants / entries 311-320. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 60x12	12	60	30	0	0	0	0
PLAT 70x12	12	70	35	0	0	0	0
PLAT 75x12	12	75	37.5	0	0	0	0
PLAT 80x12	12	80	40	0	0	0	0
PLAT 90x12	12	90	45	0	0	0	0
PLAT 100x12	12	100	50	0	0	0	0
PLAT 110x12	12	110	55	0	0	0	0
PLAT 120x12	12	120	60	0	0	0	0
PLAT 130x12	12	130	65	0	0	0	0
PLAT 140x12	12	140	70	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22658	1488	30	30	6	6	0	720	5.65
22703	1535	35	35	6	6	0	840	6.59
22734	1566	37.5	37.5	6	6	0	900	7.07
22763	1595	40	40	6	6	0	960	7.54
22794	1626	45	45	6	6	0	1080	8.48
22076	901	50	50	6	6	0	1200	9.42
22107	932	55	55	6	6	0	1320	10.36
22136	961	60	60	6	6	0	1440	11.3
22151	976	65	65	6	6	0	1560	12.25
22170	995	70	70	6	6	0	1680	13.19

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

33/76

756 catalog variants / entries 321-330. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 150x12	12	150	75	0	0	0	0
PLAT 160x12	12	160	80	0	0	0	0
PLAT 180x12	12	180	90	0	0	0	0
PLAT 200x12	12	200	100	0	0	0	0
PLAT 220x12	12	220	110	0	0	0	0
PLAT 240x12	12	240	120	0	0	0	0
PLAT 250x12	12	250	125	0	0	0	0
PLAT 260x12	12	260	130	0	0	0	0
PLAT 280x12	12	280	140	0	0	0	0
PLAT 300x12	12	300	150	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22186	1011	75	75	6	6	0	1800	14.13
22205	1030	80	80	6	6	0	1920	15.07
22231	1056	90	90	6	6	0	2160	16.96
22259	1084	100	100	6	6	0	2400	18.84
22282	1107	110	110	6	6	0	2640	20.72
22306	1131	120	120	6	6	0	2880	22.61
22319	1144	125	125	6	6	0	3000	23.55
22343	1168	130	130	6	6	0	3120	24.49
22369	1194	140	140	6	6	0	3360	26.38
22393	1218	150	150	6	6	0	3600	28.26

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

34/76

756 catalog variants / entries 331-340. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 320x12	12	320	160	0	0	0	0
PLAT 340x12	12	340	170	0	0	0	0
PLAT 350x12	12	350	175	0	0	0	0
PLAT 360x12	12	360	180	0	0	0	0
PLAT 380x12	12	380	190	0	0	0	0
PLAT 400x12	12	400	200	0	0	0	0
PLAT 450x12	12	450	225	0	0	0	0
PLAT 500x12	12	500	250	0	0	0	0
PLAT 550x12	12	550	275	0	0	0	0
PLAT 600x12	12	600	300	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22422	1248	160	160	6	6	0	3840	30.14
22448	1274	170	170	6	6	0	4080	32.03
22461	1287	175	175	6	6	0	4200	32.97
22489	1315	180	180	6	6	0	4320	33.91
22502	1328	190	190	6	6	0	4560	35.8
22528	1354	200	200	6	6	0	4800	37.68
22558	1386	225	225	6	6	0	5400	42.39
22586	1414	250	250	6	6	0	6000	47.1
22617	1447	275	275	6	6	0	6600	51.81
22645	1475	300	300	6	6	0	7200	56.52

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

35/76

756 catalog variants / entries 341-350. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 650x12	12	650	325	0	0	0	0
PLAT 700x12	12	700	350	0	0	0	0
PLAT 750x12	12	750	375	0	0	0	0
PLAT 800x12	12	800	400	0	0	0	0
PLAT 900x12	12	900	450	0	0	0	0
PLAT 1000x12	12	1000	500	0	0	0	0
PLAT 1100x12	12	1100	550	0	0	0	0
PLAT 1200x12	12	1200	600	0	0	0	0
PLAT 19x13	13	19	9.5	0	0	0	0
PLAT 20x13	13	20	10	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22677	1509	325	325	6	6	0	7800	61.23
22690	1522	350	350	6	6	0	8400	65.94
22721	1553	375	375	6	6	0	9000	70.65
22749	1581	400	400	6	6	0	9600	75.36
22780	1612	450	450	6	6	0	10800	84.78
22062	887	500	500	6	6	0	12000	94.2
22093	918	550	550	6	6	0	13200	103.62
22122	947	600	600	6	6	0	14400	113.04
22252	1077	9.5	9.5	6.5	6.5	0	247	1.94
22273	1098	10	10	6.5	6.5	0	260	2.04

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

36/76

756 catalog variants / entries 351-360. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 22x13	13	22	11	0	0	0	0
PLAT 25x13	13	25	12.5	0	0	0	0
PLAT 26x13	13	26	13	0	0	0	0
PLAT 28x13	13	28	14	0	0	0	0
PLAT 30x13	13	30	15	0	0	0	0
PLAT 32x13	13	32	16	0	0	0	0
PLAT 35x13	13	35	17.5	0	0	0	0
PLAT 38x13	13	38	19	0	0	0	0
PLAT 40x13	13	40	20	0	0	0	0
PLAT 45x13	13	45	22.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22297	1122	11	11	6.5	6.5	0	286	2.25
22333	1158	12.5	12.5	6.5	6.5	0	325	2.55
22357	1182	13	13	6.5	6.5	0	338	2.65
22383	1208	14	14	6.5	6.5	0	364	2.86
22407	1232	15	15	6.5	6.5	0	390	3.06
22436	1262	16	16	6.5	6.5	0	416	3.27
22475	1301	17.5	17.5	6.5	6.5	0	455	3.57
22516	1342	19	19	6.5	6.5	0	494	3.88
22542	1368	20	20	6.5	6.5	0	520	4.08
22572	1400	22.5	22.5	6.5	6.5	0	585	4.59

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

37/76

756 catalog variants / entries 361-370. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 50x13	13	50	25	0	0	0	0
PLAT 55x13	13	55	27.5	0	0	0	0
PLAT 60x13	13	60	30	0	0	0	0
PLAT 70x13	13	70	35	0	0	0	0
PLAT 75x13	13	75	37.5	0	0	0	0
PLAT 80x13	13	80	40	0	0	0	0
PLAT 90x13	13	90	45	0	0	0	0
PLAT 100x13	13	100	50	0	0	0	0
PLAT 110x13	13	110	55	0	0	0	0
PLAT 120x13	13	120	60	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22600	1428	25	25	6.5	6.5	0	650	5.1
22631	1461	27.5	27.5	6.5	6.5	0	715	5.61
22659	1489	30	30	6.5	6.5	0	780	6.12
22704	1536	35	35	6.5	6.5	0	910	7.14
22735	1567	37.5	37.5	6.5	6.5	0	975	7.65
22764	1596	40	40	6.5	6.5	0	1040	8.16
22795	1627	45	45	6.5	6.5	0	1170	9.18
22077	902	50	50	6.5	6.5	0	1300	10.21
22108	933	55	55	6.5	6.5	0	1430	11.23
22137	962	60	60	6.5	6.5	0	1560	12.25

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

38/76

756 catalog variants / entries 371-380. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 130x13	13	130	65	0	0	0	0
PLAT 150x13	13	150	75	0	0	0	0
PLAT 22x14	14	22	11	0	0	0	0
PLAT 25x14	14	25	12.5	0	0	0	0
PLAT 26x14	14	26	13	0	0	0	0
PLAT 28x14	14	28	14	0	0	0	0
PLAT 30x14	14	30	15	0	0	0	0
PLAT 32x14	14	32	16	0	0	0	0
PLAT 35x14	14	35	17.5	0	0	0	0
PLAT 38x14	14	38	19	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22152	977	65	65	6.5	6.5	0	1690	13.27
22187	1012	75	75	6.5	6.5	0	1950	15.31
22298	1123	11	11	7	7	0	308	2.42
22334	1159	12.5	12.5	7	7	0	350	2.75
22358	1183	13	13	7	7	0	364	2.86
22384	1209	14	14	7	7	0	392	3.08
22408	1233	15	15	7	7	0	420	3.3
22437	1263	16	16	7	7	0	448	3.52
22476	1302	17.5	17.5	7	7	0	490	3.85
22517	1343	19	19	7	7	0	532	4.18

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

39/76

756 catalog variants / entries 381-390. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 40x14	14	40	20	0	0	0	0
PLAT 45x14	14	45	22.5	0	0	0	0
PLAT 50x14	14	50	25	0	0	0	0
PLAT 55x14	14	55	27.5	0	0	0	0
PLAT 100x14	14	100	50	0	0	0	0
PLAT 110x14	14	110	55	0	0	0	0
PLAT 130x14	14	130	65	0	0	0	0
PLAT 150x14	14	150	75	0	0	0	0
PLAT 20x15	15	20	10	0	0	0	0
PLAT 22x15	15	22	11	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22543	1369	20	20	7	7	0	560	4.4
22573	1401	22.5	22.5	7	7	0	630	4.95
22601	1429	25	25	7	7	0	700	5.5
22632	1462	27.5	27.5	7	7	0	770	6.04
22078	903	50	50	7	7	0	1400	10.99
22109	934	55	55	7	7	0	1540	12.09
22153	978	65	65	7	7	0	1820	14.29
22188	1013	75	75	7	7	0	2100	16.49
22274	1099	10	10	7.5	7.5	0	300	2.36
22299	1124	11	11	7.5	7.5	0	330	2.59

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

40/76

756 catalog variants / entries 391-400. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 25x15	15	25	12.5	0	0	0	0
PLAT 26x15	15	26	13	0	0	0	0
PLAT 30x15	15	30	15	0	0	0	0
PLAT 32x15	15	32	16	0	0	0	0
PLAT 35x15	15	35	17.5	0	0	0	0
PLAT 38x15	15	38	19	0	0	0	0
PLAT 40x15	15	40	20	0	0	0	0
PLAT 45x15	15	45	22.5	0	0	0	0
PLAT 50x15	15	50	25	0	0	0	0
PLAT 55x15	15	55	27.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22335	1160	12.5	12.5	7.5	7.5	0	375	2.94
22359	1184	13	13	7.5	7.5	0	390	3.06
22409	1234	15	15	7.5	7.5	0	450	3.53
22438	1264	16	16	7.5	7.5	0	480	3.77
22477	1303	17.5	17.5	7.5	7.5	0	525	4.12
22518	1344	19	19	7.5	7.5	0	570	4.47
22544	1370	20	20	7.5	7.5	0	600	4.71
22574	1402	22.5	22.5	7.5	7.5	0	675	5.3
22602	1430	25	25	7.5	7.5	0	750	5.89
22633	1463	27.5	27.5	7.5	7.5	0	825	6.48

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

41/76

756 catalog variants / entries 401-410. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 60x15	15	60	30	0	0	0	0
PLAT 70x15	15	70	35	0	0	0	0
PLAT 75x15	15	75	37.5	0	0	0	0
PLAT 80x15	15	80	40	0	0	0	0
PLAT 90x15	15	90	45	0	0	0	0
PLAT 100x15	15	100	50	0	0	0	0
PLAT 110x15	15	110	55	0	0	0	0
PLAT 120x15	15	120	60	0	0	0	0
PLAT 130x15	15	130	65	0	0	0	0
PLAT 140x15	15	140	70	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22660	1490	30	30	7.5	7.5	0	900	7.07
22705	1537	35	35	7.5	7.5	0	1050	8.24
22736	1568	37.5	37.5	7.5	7.5	0	1125	8.83
22765	1597	40	40	7.5	7.5	0	1200	9.42
22796	1628	45	45	7.5	7.5	0	1350	10.6
22079	904	50	50	7.5	7.5	0	1500	11.78
22110	935	55	55	7.5	7.5	0	1650	12.95
22138	963	60	60	7.5	7.5	0	1800	14.13
22154	979	65	65	7.5	7.5	0	1950	15.31
22171	996	70	70	7.5	7.5	0	2100	16.49

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

42/76

756 catalog variants / entries 411-420. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 150x15	15	150	75	0	0	0	0
PLAT 160x15	15	160	80	0	0	0	0
PLAT 180x15	15	180	90	0	0	0	0
PLAT 200x15	15	200	100	0	0	0	0
PLAT 220x15	15	220	110	0	0	0	0
PLAT 240x15	15	240	120	0	0	0	0
PLAT 250x15	15	250	125	0	0	0	0
PLAT 260x15	15	260	130	0	0	0	0
PLAT 280x15	15	280	140	0	0	0	0
PLAT 300x15	15	300	150	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22189	1014	75	75	7.5	7.5	0	2250	17.66
22206	1031	80	80	7.5	7.5	0	2400	18.84
22232	1057	90	90	7.5	7.5	0	2700	21.2
22260	1085	100	100	7.5	7.5	0	3000	23.55
22283	1108	110	110	7.5	7.5	0	3300	25.91
22307	1132	120	120	7.5	7.5	0	3600	28.26
22320	1145	125	125	7.5	7.5	0	3750	29.44
22344	1169	130	130	7.5	7.5	0	3900	30.62
22370	1195	140	140	7.5	7.5	0	4200	32.97
22394	1219	150	150	7.5	7.5	0	4500	35.33

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

43/76

756 catalog variants / entries 421-430. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 320x15	15	320	160	0	0	0	0
PLAT 340x15	15	340	170	0	0	0	0
PLAT 350x15	15	350	175	0	0	0	0
PLAT 360x15	15	360	180	0	0	0	0
PLAT 380x15	15	380	190	0	0	0	0
PLAT 400x15	15	400	200	0	0	0	0
PLAT 450x15	15	450	225	0	0	0	0
PLAT 500x15	15	500	250	0	0	0	0
PLAT 550x15	15	550	275	0	0	0	0
PLAT 600x15	15	600	300	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22423	1249	160	160	7.5	7.5	0	4800	37.68
22449	1275	170	170	7.5	7.5	0	5100	40.04
22462	1288	175	175	7.5	7.5	0	5250	41.21
22490	1316	180	180	7.5	7.5	0	5400	42.39
22503	1329	190	190	7.5	7.5	0	5700	44.75
22529	1355	200	200	7.5	7.5	0	6000	47.1
22559	1387	225	225	7.5	7.5	0	6750	52.99
22587	1415	250	250	7.5	7.5	0	7500	58.88
22618	1448	275	275	7.5	7.5	0	8250	64.76
22646	1476	300	300	7.5	7.5	0	9000	70.65

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

44/76

756 catalog variants / entries 431-440. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 650x15	15	650	325	0	0	0	0
PLAT 700x15	15	700	350	0	0	0	0
PLAT 750x15	15	750	375	0	0	0	0
PLAT 800x15	15	800	400	0	0	0	0
PLAT 900x15	15	900	450	0	0	0	0
PLAT 1000x15	15	1000	500	0	0	0	0
PLAT 1100x15	15	1100	550	0	0	0	0
PLAT 1200x15	15	1200	600	0	0	0	0
PLAT 25x16	16	25	12.5	0	0	0	0
PLAT 26x16	16	26	13	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22678	1510	325	325	7.5	7.5	0	9750	76.54
22691	1523	350	350	7.5	7.5	0	10500	82.43
22722	1554	375	375	7.5	7.5	0	11250	88.31
22750	1582	400	400	7.5	7.5	0	12000	94.2
22781	1613	450	450	7.5	7.5	0	13500	105.98
22063	888	500	500	7.5	7.5	0	15000	117.75
22094	919	550	550	7.5	7.5	0	16500	129.53
22123	948	600	600	7.5	7.5	0	18000	141.3
22336	1161	12.5	12.5	8	8	0	400	3.14
22360	1185	13	13	8	8	0	416	3.27

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

45/76

756 catalog variants / entries 441-450. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 28x16	16	28	14	0	0	0	0
PLAT 30x16	16	30	15	0	0	0	0
PLAT 32x16	16	32	16	0	0	0	0
PLAT 35x16	16	35	17.5	0	0	0	0
PLAT 38x16	16	38	19	0	0	0	0
PLAT 40x16	16	40	20	0	0	0	0
PLAT 45x16	16	45	22.5	0	0	0	0
PLAT 50x16	16	50	25	0	0	0	0
PLAT 55x16	16	55	27.5	0	0	0	0
PLAT 60x16	16	60	30	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22385	1210	14	14	8	8	0	448	3.52
22410	1235	15	15	8	8	0	480	3.77
22439	1265	16	16	8	8	0	512	4.02
22478	1304	17.5	17.5	8	8	0	560	4.4
22519	1345	19	19	8	8	0	608	4.77
22545	1371	20	20	8	8	0	640	5.02
22575	1403	22.5	22.5	8	8	0	720	5.65
22603	1431	25	25	8	8	0	800	6.28
22634	1464	27.5	27.5	8	8	0	880	6.91
22661	1491	30	30	8	8	0	960	7.54

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

46/76

756 catalog variants / entries 451-460. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 70x16	16	70	35	0	0	0	0
PLAT 75x16	16	75	37.5	0	0	0	0
PLAT 80x16	16	80	40	0	0	0	0
PLAT 90x16	16	90	45	0	0	0	0
PLAT 100x16	16	100	50	0	0	0	0
PLAT 110x16	16	110	55	0	0	0	0
PLAT 120x16	16	120	60	0	0	0	0
PLAT 130x16	16	130	65	0	0	0	0
PLAT 140x16	16	140	70	0	0	0	0
PLAT 150x16	16	150	75	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22706	1538	35	35	8	8	0	1120	8.79
22737	1569	37.5	37.5	8	8	0	1200	9.42
22766	1598	40	40	8	8	0	1280	10.05
22797	1629	45	45	8	8	0	1440	11.3
22080	905	50	50	8	8	0	1600	12.56
22111	936	55	55	8	8	0	1760	13.82
22139	964	60	60	8	8	0	1920	15.07
22155	980	65	65	8	8	0	2080	16.33
22172	997	70	70	8	8	0	2240	17.58
22190	1015	75	75	8	8	0	2400	18.84

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

47/76

756 catalog variants / entries 461-470. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 26x18	18	26	13	0	0	0	0
PLAT 28x18	18	28	14	0	0	0	0
PLAT 30x18	18	30	15	0	0	0	0
PLAT 35x18	18	35	17.5	0	0	0	0
PLAT 40x18	18	40	20	0	0	0	0
PLAT 50x18	18	50	25	0	0	0	0
PLAT 55x18	18	55	27.5	0	0	0	0
PLAT 60x18	18	60	30	0	0	0	0
PLAT 70x18	18	70	35	0	0	0	0
PLAT 90x18	18	90	45	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22361	1186	13	13	9	9	0	468	3.67
22386	1211	14	14	9	9	0	504	3.96
22411	1236	15	15	9	9	0	540	4.24
22479	1305	17.5	17.5	9	9	0	630	4.95
22546	1372	20	20	9	9	0	720	5.65
22604	1432	25	25	9	9	0	900	7.07
22635	1465	27.5	27.5	9	9	0	990	7.77
22662	1492	30	30	9	9	0	1080	8.48
22707	1539	35	35	9	9	0	1260	9.89
22798	1630	45	45	9	9	0	1620	12.72

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

48/76

756 catalog variants / entries 471-480. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 26x20	20	26	13	0	0	0	0
PLAT 30x20	20	30	15	0	0	0	0
PLAT 32x20	20	32	16	0	0	0	0
PLAT 35x20	20	35	17.5	0	0	0	0
PLAT 38x20	20	38	19	0	0	0	0
PLAT 40x20	20	40	20	0	0	0	0
PLAT 45x20	20	45	22.5	0	0	0	0
PLAT 50x20	20	50	25	0	0	0	0
PLAT 55x20	20	55	27.5	0	0	0	0
PLAT 60x20	20	60	30	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22362	1187	13	13	10	10	0	520	4.08
22412	1237	15	15	10	10	0	600	4.71
22440	1266	16	16	10	10	0	640	5.02
22480	1306	17.5	17.5	10	10	0	700	5.5
22520	1346	19	19	10	10	0	760	5.97
22547	1373	20	20	10	10	0	800	6.28
22576	1404	22.5	22.5	10	10	0	900	7.07
22605	1433	25	25	10	10	0	1000	7.85
22636	1466	27.5	27.5	10	10	0	1100	8.64
22663	1493	30	30	10	10	0	1200	9.42

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

49/76

756 catalog variants / entries 481-490. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 70x20	20	70	35	0	0	0	0
PLAT 75x20	20	75	37.5	0	0	0	0
PLAT 80x20	20	80	40	0	0	0	0
PLAT 90x20	20	90	45	0	0	0	0
PLAT 100x20	20	100	50	0	0	0	0
PLAT 110x20	20	110	55	0	0	0	0
PLAT 120x20	20	120	60	0	0	0	0
PLAT 130x20	20	130	65	0	0	0	0
PLAT 140x20	20	140	70	0	0	0	0
PLAT 150x20	20	150	75	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22708	1540	35	35	10	10	0	1400	10.99
22738	1570	37.5	37.5	10	10	0	1500	11.78
22767	1599	40	40	10	10	0	1600	12.56
22799	1631	45	45	10	10	0	1800	14.13
22081	906	50	50	10	10	0	2000	15.7
22112	937	55	55	10	10	0	2200	17.27
22140	965	60	60	10	10	0	2400	18.84
22156	981	65	65	10	10	0	2600	20.41
22173	998	70	70	10	10	0	2800	21.98
22191	1016	75	75	10	10	0	3000	23.55

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

50/76

756 catalog variants / entries 491-500. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 160x20	20	160	80	0	0	0	0
PLAT 180x20	20	180	90	0	0	0	0
PLAT 200x20	20	200	100	0	0	0	0
PLAT 220x20	20	220	110	0	0	0	0
PLAT 240x20	20	240	120	0	0	0	0
PLAT 250x20	20	250	125	0	0	0	0
PLAT 260x20	20	260	130	0	0	0	0
PLAT 280x20	20	280	140	0	0	0	0
PLAT 300x20	20	300	150	0	0	0	0
PLAT 320x20	20	320	160	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22207	1032	80	80	10	10	0	3200	25.12
22233	1058	90	90	10	10	0	3600	28.26
22261	1086	100	100	10	10	0	4000	31.4
22284	1109	110	110	10	10	0	4400	34.54
22308	1133	120	120	10	10	0	4800	37.68
22321	1146	125	125	10	10	0	5000	39.25
22345	1170	130	130	10	10	0	5200	40.82
22371	1196	140	140	10	10	0	5600	43.96
22395	1220	150	150	10	10	0	6000	47.1
22424	1250	160	160	10	10	0	6400	50.24

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

51/76

756 catalog variants / entries 501-510. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 340x20	20	340	170	0	0	0	0
PLAT 350x20	20	350	175	0	0	0	0
PLAT 360x20	20	360	180	0	0	0	0
PLAT 380x20	20	380	190	0	0	0	0
PLAT 400x20	20	400	200	0	0	0	0
PLAT 450x20	20	450	225	0	0	0	0
PLAT 500x20	20	500	250	0	0	0	0
PLAT 550x20	20	550	275	0	0	0	0
PLAT 600x20	20	600	300	0	0	0	0
PLAT 650x20	20	650	325	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22450	1276	170	170	10	10	0	6800	53.38
22463	1289	175	175	10	10	0	7000	54.95
22491	1317	180	180	10	10	0	7200	56.52
22504	1330	190	190	10	10	0	7600	59.66
22530	1356	200	200	10	10	0	8000	62.8
22560	1388	225	225	10	10	0	9000	70.65
22588	1416	250	250	10	10	0	10000	78.5
22619	1449	275	275	10	10	0	11000	86.35
22647	1477	300	300	10	10	0	12000	94.2
22679	1511	325	325	10	10	0	13000	102.05

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

52/76

756 catalog variants / entries 511-520. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 700x20	20	700	350	0	0	0	0
PLAT 750x20	20	750	375	0	0	0	0
PLAT 800x20	20	800	400	0	0	0	0
PLAT 900x20	20	900	450	0	0	0	0
PLAT 1000x20	20	1000	500	0	0	0	0
PLAT 1100x20	20	1100	550	0	0	0	0
PLAT 1200x20	20	1200	600	0	0	0	0
PLAT 30x22	22	30	15	0	0	0	0
PLAT 32x22	22	32	16	0	0	0	0
PLAT 35x22	22	35	17.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22692	1524	350	350	10	10	0	14000	109.9
22723	1555	375	375	10	10	0	15000	117.75
22751	1583	400	400	10	10	0	16000	125.6
22782	1614	450	450	10	10	0	18000	141.3
22064	889	500	500	10	10	0	20000	157
22095	920	550	550	10	10	0	22000	172.7
22124	949	600	600	10	10	0	24000	188.4
22413	1238	15	15	11	11	0	660	5.18
22441	1267	16	16	11	11	0	704	5.53
22481	1307	17.5	17.5	11	11	0	770	6.04

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

53/76

756 catalog variants / entries 521-530. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 38x22	22	38	19	0	0	0	0
PLAT 40x22	22	40	20	0	0	0	0
PLAT 45x22	22	45	22.5	0	0	0	0
PLAT 50x22	22	50	25	0	0	0	0
PLAT 55x22	22	55	27.5	0	0	0	0
PLAT 60x22	22	60	30	0	0	0	0
PLAT 70x22	22	70	35	0	0	0	0
PLAT 30x25	25	30	15	0	0	0	0
PLAT 32x25	25	32	16	0	0	0	0
PLAT 35x25	25	35	17.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22521	1347	19	19	11	11	0	836	6.56
22548	1374	20	20	11	11	0	880	6.91
22577	1405	22.5	22.5	11	11	0	990	7.77
22606	1434	25	25	11	11	0	1100	8.64
22637	1467	27.5	27.5	11	11	0	1210	9.5
22664	1494	30	30	11	11	0	1320	10.36
22709	1541	35	35	11	11	0	1540	12.09
22414	1239	15	15	12.5	12.5	0	750	5.89
22442	1268	16	16	12.5	12.5	0	800	6.28
22482	1308	17.5	17.5	12.5	12.5	0	875	6.87

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

54/76

756 catalog variants / entries 531-540. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 38x25	25	38	19	0	0	0	0
PLAT 40x25	25	40	20	0	0	0	0
PLAT 45x25	25	45	22.5	0	0	0	0
PLAT 50x25	25	50	25	0	0	0	0
PLAT 55x25	25	55	27.5	0	0	0	0
PLAT 60x25	25	60	30	0	0	0	0
PLAT 70x25	25	70	35	0	0	0	0
PLAT 75x25	25	75	37.5	0	0	0	0
PLAT 80x25	25	80	40	0	0	0	0
PLAT 90x25	25	90	45	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22522	1348	19	19	12.5	12.5	0	950	7.46
22549	1375	20	20	12.5	12.5	0	1000	7.85
22578	1406	22.5	22.5	12.5	12.5	0	1125	8.83
22607	1435	25	25	12.5	12.5	0	1250	9.81
22638	1468	27.5	27.5	12.5	12.5	0	1375	10.79
22665	1495	30	30	12.5	12.5	0	1500	11.78
22710	1542	35	35	12.5	12.5	0	1750	13.74
22739	1571	37.5	37.5	12.5	12.5	0	1875	14.72
22768	1600	40	40	12.5	12.5	0	2000	15.7
22800	1632	45	45	12.5	12.5	0	2250	17.66

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

55/76

756 catalog variants / entries 541-550. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 100x25	25	100	50	0	0	0	0
PLAT 110x25	25	110	55	0	0	0	0
PLAT 120x25	25	120	60	0	0	0	0
PLAT 130x25	25	130	65	0	0	0	0
PLAT 140x25	25	140	70	0	0	0	0
PLAT 150x25	25	150	75	0	0	0	0
PLAT 160x25	25	160	80	0	0	0	0
PLAT 180x25	25	180	90	0	0	0	0
PLAT 200x25	25	200	100	0	0	0	0
PLAT 220x25	25	220	110	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22082	907	50	50	12.5	12.5	0	2500	19.63
22113	938	55	55	12.5	12.5	0	2750	21.59
22141	966	60	60	12.5	12.5	0	3000	23.55
22157	982	65	65	12.5	12.5	0	3250	25.51
22174	999	70	70	12.5	12.5	0	3500	27.48
22192	1017	75	75	12.5	12.5	0	3750	29.44
22208	1033	80	80	12.5	12.5	0	4000	31.4
22234	1059	90	90	12.5	12.5	0	4500	35.33
22262	1087	100	100	12.5	12.5	0	5000	39.25
22285	1110	110	110	12.5	12.5	0	5500	43.18

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

56/76

756 catalog variants / entries 551-560. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 240x25	25	240	120	0	0	0	0
PLAT 250x25	25	250	125	0	0	0	0
PLAT 260x25	25	260	130	0	0	0	0
PLAT 280x25	25	280	140	0	0	0	0
PLAT 300x25	25	300	150	0	0	0	0
PLAT 320x25	25	320	160	0	0	0	0
PLAT 340x25	25	340	170	0	0	0	0
PLAT 350x25	25	350	175	0	0	0	0
PLAT 360x25	25	360	180	0	0	0	0
PLAT 380x25	25	380	190	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22309	1134	120	120	12.5	12.5	0	6000	47.1
22322	1147	125	125	12.5	12.5	0	6250	49.06
22346	1171	130	130	12.5	12.5	0	6500	51.03
22372	1197	140	140	12.5	12.5	0	7000	54.95
22396	1221	150	150	12.5	12.5	0	7500	58.88
22425	1251	160	160	12.5	12.5	0	8000	62.8
22451	1277	170	170	12.5	12.5	0	8500	66.73
22464	1290	175	175	12.5	12.5	0	8750	68.69
22492	1318	180	180	12.5	12.5	0	9000	70.65
22505	1331	190	190	12.5	12.5	0	9500	74.58

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

57/76

756 catalog variants / entries 561-570. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 400x25	25	400	200	0	0	0	0
PLAT 450x25	25	450	225	0	0	0	0
PLAT 500x25	25	500	250	0	0	0	0
PLAT 550x25	25	550	275	0	0	0	0
PLAT 600x25	25	600	300	0	0	0	0
PLAT 650x25	25	650	325	0	0	0	0
PLAT 700x25	25	700	350	0	0	0	0
PLAT 750x25	25	750	375	0	0	0	0
PLAT 800x25	25	800	400	0	0	0	0
PLAT 900x25	25	900	450	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22531	1357	200	200	12.5	12.5	0	10000	78.5
22561	1389	225	225	12.5	12.5	0	11250	88.31
22589	1417	250	250	12.5	12.5	0	12500	98.13
22620	1450	275	275	12.5	12.5	0	13750	107.94
22648	1478	300	300	12.5	12.5	0	15000	117.75
22680	1512	325	325	12.5	12.5	0	16250	127.56
22693	1525	350	350	12.5	12.5	0	17500	137.38
22724	1556	375	375	12.5	12.5	0	18750	147.19
22752	1584	400	400	12.5	12.5	0	20000	157
22783	1615	450	450	12.5	12.5	0	22500	176.63

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

58/76

756 catalog variants / entries 571-580. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 1000x25	25	1000	500	0	0	0	0
PLAT 1100x25	25	1100	550	0	0	0	0
PLAT 1200x25	25	1200	600	0	0	0	0
PLAT 40x30	30	40	20	0	0	0	0
PLAT 45x30	30	45	22.5	0	0	0	0
PLAT 50x30	30	50	25	0	0	0	0
PLAT 55x30	30	55	27.5	0	0	0	0
PLAT 60x30	30	60	30	0	0	0	0
PLAT 70x30	30	70	35	0	0	0	0
PLAT 75x30	30	75	37.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22065	890	500	500	12.5	12.5	0	25000	196.25
22096	921	550	550	12.5	12.5	0	27500	215.88
22125	950	600	600	12.5	12.5	0	30000	235.5
22550	1377	20	20	15	15	0	1200	9.42
22579	1407	22.5	22.5	15	15	0	1350	10.6
22608	1437	25	25	15	15	0	1500	11.78
22639	1469	27.5	27.5	15	15	0	1650	12.95
22666	1497	30	30	15	15	0	1800	14.13
22711	1543	35	35	15	15	0	2100	16.49
22740	1572	37.5	37.5	15	15	0	2250	17.66

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

59/76

756 catalog variants / entries 581-590. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 80x30	30	80	40	0	0	0	0
PLAT 90x30	30	90	45	0	0	0	0
PLAT 100x30	30	100	50	0	0	0	0
PLAT 110x30	30	110	55	0	0	0	0
PLAT 120x30	30	120	60	0	0	0	0
PLAT 130x30	30	130	65	0	0	0	0
PLAT 140x30	30	140	70	0	0	0	0
PLAT 150x30	30	150	75	0	0	0	0
PLAT 160x30	30	160	80	0	0	0	0
PLAT 180x30	30	180	90	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22769	1601	40	40	15	15	0	2400	18.84
22801	1633	45	45	15	15	0	2700	21.2
22083	908	50	50	15	15	0	3000	23.55
22114	939	55	55	15	15	0	3300	25.91
22142	967	60	60	15	15	0	3600	28.26
22158	983	65	65	15	15	0	3900	30.62
22175	1000	70	70	15	15	0	4200	32.97
22193	1018	75	75	15	15	0	4500	35.33
22209	1034	80	80	15	15	0	4800	37.68
22235	1060	90	90	15	15	0	5400	42.39

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

60/76

756 catalog variants / entries 591-600. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 200x30	30	200	100	0	0	0	0
PLAT 220x30	30	220	110	0	0	0	0
PLAT 240x30	30	240	120	0	0	0	0
PLAT 250x30	30	250	125	0	0	0	0
PLAT 260x30	30	260	130	0	0	0	0
PLAT 280x30	30	280	140	0	0	0	0
PLAT 300x30	30	300	150	0	0	0	0
PLAT 320x30	30	320	160	0	0	0	0
PLAT 340x30	30	340	170	0	0	0	0
PLAT 350x30	30	350	175	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22263	1088	100	100	15	15	0	6000	47.1
22286	1111	110	110	15	15	0	6600	51.81
22310	1135	120	120	15	15	0	7200	56.52
22323	1148	125	125	15	15	0	7500	58.88
22347	1172	130	130	15	15	0	7800	61.23
22373	1198	140	140	15	15	0	8400	65.94
22397	1222	150	150	15	15	0	9000	70.65
22426	1252	160	160	15	15	0	9600	75.36
22452	1278	170	170	15	15	0	10200	80.07
22465	1291	175	175	15	15	0	10500	82.43

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

61/76

756 catalog variants / entries 601-610. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 360x30	30	360	180	0	0	0	0
PLAT 380x30	30	380	190	0	0	0	0
PLAT 400x30	30	400	200	0	0	0	0
PLAT 450x30	30	450	225	0	0	0	0
PLAT 500x30	30	500	250	0	0	0	0
PLAT 550x30	30	550	275	0	0	0	0
PLAT 600x30	30	600	300	0	0	0	0
PLAT 650x30	30	650	325	0	0	0	0
PLAT 700x30	30	700	350	0	0	0	0
PLAT 750x30	30	750	375	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22493	1319	180	180	15	15	0	10800	84.78
22506	1332	190	190	15	15	0	11400	89.49
22532	1358	200	200	15	15	0	12000	94.2
22562	1390	225	225	15	15	0	13500	105.98
22590	1418	250	250	15	15	0	15000	117.75
22621	1451	275	275	15	15	0	16500	129.53
22649	1479	300	300	15	15	0	18000	141.3
22681	1513	325	325	15	15	0	19500	153.08
22694	1526	350	350	15	15	0	21000	164.85
22725	1557	375	375	15	15	0	22500	176.63

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

62/76

756 catalog variants / entries 611-620. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 800x30	30	800	400	0	0	0	0
PLAT 900x30	30	900	450	0	0	0	0
PLAT 1000x30	30	1000	500	0	0	0	0
PLAT 1100x30	30	1100	550	0	0	0	0
PLAT 1200x30	30	1200	600	0	0	0	0
PLAT 60x35	35	60	30	0	0	0	0
PLAT 70x35	35	70	35	0	0	0	0
PLAT 75x35	35	75	37.5	0	0	0	0
PLAT 80x35	35	80	40	0	0	0	0
PLAT 140x35	35	140	70	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22753	1585	400	400	15	15	0	24000	188.4
22784	1616	450	450	15	15	0	27000	211.95
22066	891	500	500	15	15	0	30000	235.5
22097	922	550	550	15	15	0	33000	259.05
22126	951	600	600	15	15	0	36000	282.6
22667	1498	30	30	17.5	17.5	0	2100	16.49
22712	1544	35	35	17.5	17.5	0	2450	19.23
22741	1573	37.5	37.5	17.5	17.5	0	2625	20.61
22770	1602	40	40	17.5	17.5	0	2800	21.98
22176	1001	70	70	17.5	17.5	0	4900	38.47

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

63/76

756 catalog variants / entries 621-630. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 50x40	40	50	25	0	0	0	0
PLAT 60x40	40	60	30	0	0	0	0
PLAT 70x40	40	70	35	0	0	0	0
PLAT 75x40	40	75	37.5	0	0	0	0
PLAT 80x40	40	80	40	0	0	0	0
PLAT 90x40	40	90	45	0	0	0	0
PLAT 100x40	40	100	50	0	0	0	0
PLAT 110x40	40	110	55	0	0	0	0
PLAT 120x40	40	120	60	0	0	0	0
PLAT 130x40	40	130	65	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22609	1439	25	25	20	20	0	2000	15.7
22668	1500	30	30	20	20	0	2400	18.84
22713	1545	35	35	20	20	0	2800	21.98
22742	1574	37.5	37.5	20	20	0	3000	23.55
22771	1603	40	40	20	20	0	3200	25.12
22802	1634	45	45	20	20	0	3600	28.26
22084	909	50	50	20	20	0	4000	31.4
22115	940	55	55	20	20	0	4400	34.54
22143	968	60	60	20	20	0	4800	37.68
22159	984	65	65	20	20	0	5200	40.82

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

64/76

756 catalog variants / entries 631-640. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 140x40	40	140	70	0	0	0	0
PLAT 150x40	40	150	75	0	0	0	0
PLAT 160x40	40	160	80	0	0	0	0
PLAT 180x40	40	180	90	0	0	0	0
PLAT 200x40	40	200	100	0	0	0	0
PLAT 220x40	40	220	110	0	0	0	0
PLAT 240x40	40	240	120	0	0	0	0
PLAT 250x40	40	250	125	0	0	0	0
PLAT 260x40	40	260	130	0	0	0	0
PLAT 280x40	40	280	140	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22177	1002	70	70	20	20	0	5600	43.96
22194	1019	75	75	20	20	0	6000	47.1
22210	1035	80	80	20	20	0	6400	5.02
22236	1061	90	90	20	20	0	7200	56.52
22264	1089	100	100	20	20	0	8000	62.8
22287	1112	110	110	20	20	0	8800	69.08
22311	1136	120	120	20	20	0	9600	75.36
22324	1149	125	125	20	20	0	10000	78.5
22348	1173	130	130	20	20	0	10400	81.64
22374	1199	140	140	20	20	0	11200	87.92

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

65/76

756 catalog variants / entries 641-650. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 300x40	40	300	150	0	0	0	0
PLAT 320x40	40	320	160	0	0	0	0
PLAT 340x40	40	340	170	0	0	0	0
PLAT 350x40	40	350	175	0	0	0	0
PLAT 360x40	40	360	180	0	0	0	0
PLAT 380x40	40	380	190	0	0	0	0
PLAT 400x40	40	400	200	0	0	0	0
PLAT 450x40	40	450	225	0	0	0	0
PLAT 500x40	40	500	250	0	0	0	0
PLAT 550x40	40	550	275	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22398	1223	150	150	20	20	0	12000	94.2
22427	1253	160	160	20	20	0	12800	100.48
22453	1279	170	170	20	20	0	13600	106.76
22466	1292	175	175	20	20	0	14000	109.9
22494	1320	180	180	20	20	0	14400	113.04
22507	1333	190	190	20	20	0	15200	119.32
22533	1359	200	200	20	20	0	16000	125.6
22563	1391	225	225	20	20	0	18000	141.3
22591	1419	250	250	20	20	0	20000	157
22622	1452	275	275	20	20	0	22000	172.7

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

66/76

756 catalog variants / entries 651-660. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 600x40	40	600	300	0	0	0	0
PLAT 650x40	40	650	325	0	0	0	0
PLAT 700x40	40	700	350	0	0	0	0
PLAT 750x40	40	750	375	0	0	0	0
PLAT 800x40	40	800	400	0	0	0	0
PLAT 900x40	40	900	450	0	0	0	0
PLAT 1000x40	40	1000	500	0	0	0	0
PLAT 1100x40	40	1100	550	0	0	0	0
PLAT 1200x40	40	1200	600	0	0	0	0
PLAT 60x50	50	60	30	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22650	1480	300	300	20	20	0	24000	188.4
22682	1514	325	325	20	20	0	26000	204.1
22695	1527	350	350	20	20	0	28000	219.8
22726	1558	375	375	20	20	0	30000	235.5
22754	1586	400	400	20	20	0	32000	251.2
22785	1617	450	450	20	20	0	36000	282.6
22067	892	500	500	20	20	0	40000	314
22098	923	550	550	20	20	0	44000	345.4
22127	952	600	600	20	20	0	48000	376.8
22670	1502	30	30	25	25	0	3000	23.55

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

67/76

756 catalog variants / entries 661-670. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 70x50	50	70	35	0	0	0	0
PLAT 80x50	50	80	40	0	0	0	0
PLAT 90x50	50	90	45	0	0	0	0
PLAT 100x50	50	100	50	0	0	0	0
PLAT 110x50	50	110	55	0	0	0	0
PLAT 120x50	50	120	60	0	0	0	0
PLAT 130x50	50	130	65	0	0	0	0
PLAT 140x50	50	140	70	0	0	0	0
PLAT 150x50	50	150	75	0	0	0	0
PLAT 160x50	50	160	80	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22715	1547	35	35	25	25	0	3500	27.48
22773	1605	40	40	25	25	0	4000	31.4
22804	1636	45	45	25	25	0	4500	35.33
22086	911	50	50	25	25	0	5000	39.25
22116	941	55	55	25	25	0	5500	43.18
22144	969	60	60	25	25	0	6000	47.1
22160	985	65	65	25	25	0	6500	51.03
22178	1003	70	70	25	25	0	7000	54.95
22196	1021	75	75	25	25	0	7500	58.88
22212	1037	80	80	25	25	0	8000	62.8

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

68/76

756 catalog variants / entries 671-680. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 180x50	50	180	90	0	0	0	0
PLAT 200x50	50	200	100	0	0	0	0
PLAT 220x50	50	220	110	0	0	0	0
PLAT 240x50	50	240	120	0	0	0	0
PLAT 250x50	50	250	125	0	0	0	0
PLAT 260x50	50	260	130	0	0	0	0
PLAT 280x50	50	280	140	0	0	0	0
PLAT 300x50	50	300	150	0	0	0	0
PLAT 320x50	50	320	160	0	0	0	0
PLAT 340x50	50	340	170	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22238	1063	90	90	25	25	0	9000	70.65
22266	1091	100	100	25	25	0	10000	78.5
22289	1114	110	110	25	25	0	11000	86.35
22313	1138	120	120	25	25	0	12000	94.2
22326	1151	125	125	25	25	0	12500	98.13
22350	1175	130	130	25	25	0	13000	102.05
22376	1201	140	140	25	25	0	14000	109.9
22400	1225	150	150	25	25	0	15000	117.75
22429	1255	160	160	25	25	0	16000	125.6
22455	1281	170	170	25	25	0	17000	133.45

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

69/76

756 catalog variants / entries 681-690. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: PLAT 160x80

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 350x50	50	350	175	0	0	0	0
PLAT 360x50	50	360	180	0	0	0	0
PLAT 380x50	50	380	190	0	0	0	0
PLAT 400x50	50	400	200	0	0	0	0
PLAT 450x50	50	450	225	0	0	0	0
PLAT 500x50	50	500	250	0	0	0	0
PLAT 550x50	50	550	275	0	0	0	0
PLAT 600x50	50	600	300	0	0	0	0
PLAT 650x50	50	650	325	0	0	0	0
PLAT 700x50	50	700	350	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22468	1294	175	175	25	25	0	17500	137.38
22496	1322	180	180	25	25	0	18000	141.3
22509	1335	190	190	25	25	0	19000	149.15
22535	1361	200	200	25	25	0	20000	157
22565	1393	225	225	25	25	0	22500	176.63
22593	1421	250	250	25	25	0	25000	196.25
22624	1454	275	275	25	25	0	27500	215.88
22652	1482	300	300	25	25	0	30000	235.5
22684	1516	325	325	25	25	0	32500	255.13
22697	1529	350	350	25	25	0	35000	274.75

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

70/76

756 catalog variants / entries 691-700. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 750x50	50	750	375	0	0	0	0
PLAT 800x50	50	800	400	0	0	0	0
PLAT 900x50	50	900	450	0	0	0	0
PLAT 1000x50	50	1000	500	0	0	0	0
PLAT 1100x50	50	1100	550	0	0	0	0
PLAT 1200x50	50	1200	600	0	0	0	0
PLAT 75x60	60	75	37.5	0	0	0	0
PLAT 80x60	60	80	40	0	0	0	0
PLAT 90x60	60	90	45	0	0	0	0
PLAT 100x60	60	100	50	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22728	1560	375	375	25	25	0	37500	294.38
22756	1588	400	400	25	25	0	40000	314
22787	1619	450	450	25	25	0	45000	353.25
22069	894	500	500	25	25	0	50000	392.5
22100	925	550	550	25	25	0	55000	431.75
22129	954	600	600	25	25	0	60000	471
22746	1578	37.5	37.5	30	30	0	4500	35.33
22776	1608	40	40	30	30	0	4800	37.68
22807	1639	45	45	30	30	0	5400	42.39
22089	914	50	50	30	30	0	6000	47.1

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

71/76

756 catalog variants / entries 701-710. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 120x60	60	120	60	0	0	0	0
PLAT 150x60	60	150	75	0	0	0	0
PLAT 160x60	60	160	80	0	0	0	0
PLAT 180x60	60	180	90	0	0	0	0
PLAT 200x60	60	200	100	0	0	0	0
PLAT 220x60	60	220	110	0	0	0	0
PLAT 240x60	60	240	120	0	0	0	0
PLAT 250x60	60	250	125	0	0	0	0
PLAT 260x60	60	260	130	0	0	0	0
PLAT 280x60	60	280	140	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22145	970	60	60	30	30	0	7200	56.52
22197	1022	75	75	30	30	0	9000	70.65
22214	1039	80	80	30	30	0	9600	75.36
22240	1065	90	90	30	30	0	10800	84.78
22268	1093	100	100	30	30	0	12000	94.2
22291	1116	110	110	30	30	0	13200	103.62
22315	1140	120	120	30	30	0	14400	113.04
22328	1153	125	125	30	30	0	15000	117.75
22352	1177	130	130	30	30	0	15600	122.46
22378	1203	140	140	30	30	0	16800	131.88

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

72/76

756 catalog variants / entries 711-720. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 300x60	60	300	150	0	0	0	0
PLAT 320x60	60	320	160	0	0	0	0
PLAT 340x60	60	340	170	0	0	0	0
PLAT 350x60	60	350	175	0	0	0	0
PLAT 360x60	60	360	180	0	0	0	0
PLAT 380x60	60	380	190	0	0	0	0
PLAT 400x60	60	400	200	0	0	0	0
PLAT 450x60	60	450	225	0	0	0	0
PLAT 500x60	60	500	250	0	0	0	0
PLAT 550x60	60	550	275	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22402	1227	150	150	30	30	0	18000	141.3
22431	1257	160	160	30	30	0	19200	150.72
22457	1283	170	170	30	30	0	20400	160.14
22470	1296	175	175	30	30	0	21000	164.85
22498	1324	180	180	30	30	0	21600	169.56
22511	1337	190	190	30	30	0	22800	178.98
22537	1363	200	200	30	30	0	24000	188.4
22567	1395	225	225	30	30	0	27000	211.95
22595	1423	250	250	30	30	0	30000	235.5
22626	1456	275	275	30	30	0	33000	259.05

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

73/76

756 catalog variants / entries 721-730. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 600x60	60	600	300	0	0	0	0
PLAT 650x60	60	650	325	0	0	0	0
PLAT 700x60	60	700	350	0	0	0	0
PLAT 750x60	60	750	375	0	0	0	0
PLAT 800x60	60	800	400	0	0	0	0
PLAT 900x60	60	900	450	0	0	0	0
PLAT 1000x60	60	1000	500	0	0	0	0
PLAT 1100x60	60	1100	550	0	0	0	0
PLAT 1200x60	60	1200	600	0	0	0	0
PLAT 160x80	80	160	80	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22654	1484	300	300	30	30	0	36000	282.6
22686	1518	325	325	30	30	0	39000	306.15
22699	1531	350	350	30	30	0	42000	329.7
22730	1562	375	375	30	30	0	45000	353.25
22758	1590	400	400	30	30	0	48000	376.8
22789	1621	450	450	30	30	0	54000	423.9
22071	896	500	500	30	30	0	60000	471
22102	927	550	550	30	30	0	66000	518.1
22131	956	600	600	30	30	0	72000	565.2
22216	1041	80	80	40	40	0	12800	100.48

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

74/76

756 catalog variants / entries 731-740. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 180x80	80	180	90	0	0	0	0
PLAT 200x80	80	200	100	0	0	0	0
PLAT 220x80	80	220	110	0	0	0	0
PLAT 240x80	80	240	120	0	0	0	0
PLAT 250x80	80	250	125	0	0	0	0
PLAT 260x80	80	260	130	0	0	0	0
PLAT 280x80	80	280	140	0	0	0	0
PLAT 300x80	80	300	150	0	0	0	0
PLAT 320x80	80	320	160	0	0	0	0
PLAT 340x80	80	340	170	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22242	1067	90	90	40	40	0	14400	113.04
22270	1095	100	100	40	40	0	16000	125.6
22293	1118	110	110	40	40	0	17600	138.16
22317	1142	120	120	40	40	0	19200	150.72
22330	1155	125	125	40	40	0	20000	157
22354	1179	130	130	40	40	0	20800	163.28
22380	1205	140	140	40	40	0	22400	175.84
22404	1229	150	150	40	40	0	24000	188.4
22433	1259	160	160	40	40	0	25600	200.96
22459	1285	170	170	40	40	0	27200	213.52

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

75/76

756 catalog variants / entries 741-750. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 350x80	80	350	175	0	0	0	0
PLAT 360x80	80	360	180	0	0	0	0
PLAT 380x80	80	380	190	0	0	0	0
PLAT 400x80	80	400	200	0	0	0	0
PLAT 450x80	80	450	225	0	0	0	0
PLAT 500x80	80	500	250	0	0	0	0
PLAT 550x80	80	550	275	0	0	0	0
PLAT 600x80	80	600	300	0	0	0	0
PLAT 650x80	80	650	325	0	0	0	0
PLAT 700x80	80	700	350	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22472	1298	175	175	40	40	0	28000	219.8
22500	1326	180	180	40	40	0	28800	226.08
22513	1339	190	190	40	40	0	30400	238.64
22539	1365	200	200	40	40	0	32000	251.2
22569	1397	225	225	40	40	0	36000	282.6
22597	1425	250	250	40	40	0	40000	314
22628	1458	275	275	40	40	0	44000	345.4
22656	1486	300	300	40	40	0	48000	376.8
22688	1520	325	325	40	40	0	52000	408.2
22701	1533	350	350	40	40	0	56000	439.6

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

01 / STRUCTURAL PROFILES

Dimensions and variants

PLAT

76/76

756 catalog variants / entries 751-756. Lengths: mm; area: mm2; mass: kg/m.



Typical section: PLAT 160x80

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
PLAT 750x80	80	750	375	0	0	0	0
PLAT 800x80	80	800	400	0	0	0	0
PLAT 900x80	80	900	450	0	0	0	0
PLAT 1000x80	80	1000	500	0	0	0	0
PLAT 1100x80	80	1100	550	0	0	0	0
PLAT 1200x80	80	1200	600	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22732	1564	375	375	40	40	0	60000	471
22760	1592	400	400	40	40	0	64000	502.4
22791	1623	450	450	40	40	0	72000	565.2
22073	898	500	500	40	40	0	80000	628
22104	929	550	550	40	40	0	88000	690.8
22133	958	600	600	40	40	0	96000	753.6

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

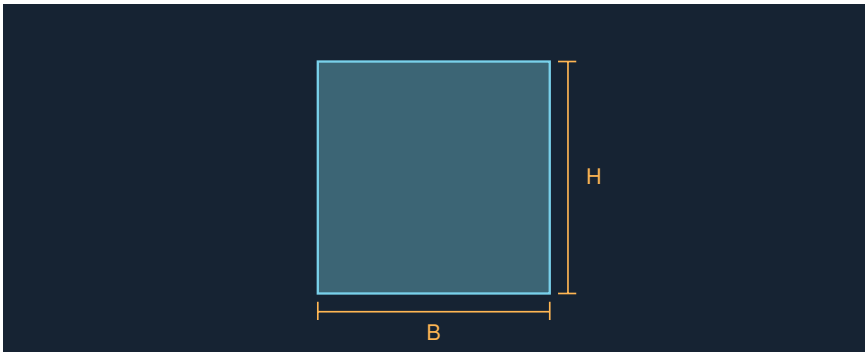
01 / STRUCTURAL PROFILES

Dimensions and variants

CARR

1/3

29 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CARR 120

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CARR 8	8	8	4	0	0	0	0
CARR 10	10	10	5	0	0	0	0
CARR 12	12	12	6	0	0	0	0
CARR 13	13	13	6.5	0	0	0	0
CARR 14	14	14	7	0	0	0	0
CARR 15	15	15	7.5	0	0	0	0
CARR 16	16	16	8	0	0	0	0
CARR 18	18	18	9	0	0	0	0
CARR 19	19	19	9.5	0	0	0	0
CARR 20	20	20	10	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21349	174	4	4	4	4	0	64	0.5
21323	148	5	5	5	5	0	100	0.78
21326	151	6	6	6	6	0	144	1.13
21328	153	6.5	6.5	6.5	6.5	0	169	1.33
21329	154	7	7	7	7	0	196	1.54
21330	155	7.5	7.5	7.5	7.5	0	225	1.77
21331	156	8	8	8	8	0	256	2.01
21332	157	9	9	9	9	0	324	2.54
21333	158	9.5	9.5	9.5	9.5	0	361	2.83
21334	159	10	10	10	10	0	400	3.14

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

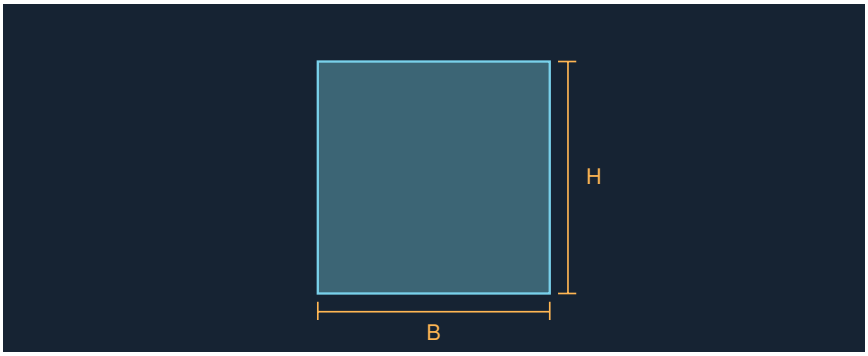
01 / STRUCTURAL PROFILES

Dimensions and variants

CARR

2/3

29 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CARR 120

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CARR 22	22	22	11	0	0	0	0
CARR 24	24	24	12	0	0	0	0
CARR 25	25	25	12.5	0	0	0	0
CARR 28	28	28	14	0	0	0	0
CARR 30	30	30	15	0	0	0	0
CARR 32	32	32	16	0	0	0	0
CARR 35	35	35	17.5	0	0	0	0
CARR 40	40	40	20	0	0	0	0
CARR 45	45	45	22.5	0	0	0	0
CARR 50	50	50	25	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21335	160	11	11	11	11	0	484	3.87
21336	161	12	12	12	12	0	576	4.52
21337	162	12.5	12.5	12.5	12.5	0	625	4.91
21338	163	14	14	14	14	0	784	6.15
21339	164	15	15	15	15	0	900	7.07
21340	165	16	16	16	16	0	1024	8.04
21341	166	17.5	17.5	17.5	17.5	0	1225	9.62
21342	167	20	20	20	20	0	1600	12.6
21343	168	22.5	22.5	22.5	22.5	0	2025	15.9
21344	169	25	25	25	25	0	2500	19.6

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

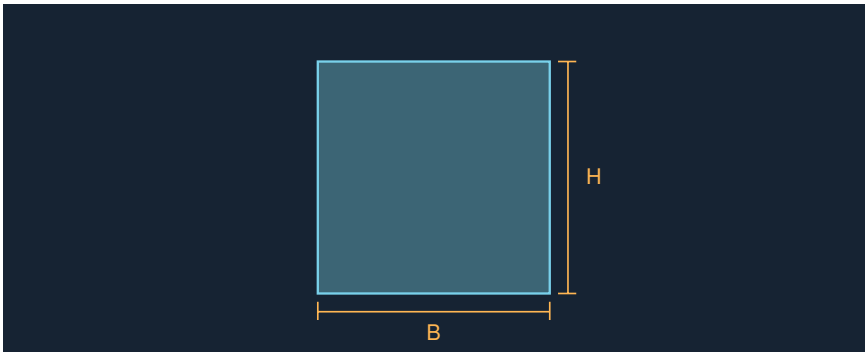
01 / STRUCTURAL PROFILES

Dimensions and variants

CARR

3/3

29 catalog variants / entries 21-29. Lengths: mm; area: mm2; mass: kg/m.



Typical section: CARR 120

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
CARR 55	55	55	27.5	0	0	0	0
CARR 60	60	60	30	0	0	0	0
CARR 65	65	65	32.5	0	0	0	0
CARR 70	70	70	35	0	0	0	0
CARR 80	80	80	40	0	0	0	0
CARR 90	90	90	45	0	0	0	0
CARR 100	100	100	50	0	0	0	0
CARR 110	110	110	55	0	0	0	0
CARR 120	120	120	60	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
21345	170	27.5	27.5	27.5	27.5	0	3025	23.7
21346	171	30	30	30	30	0	3600	28.3
21347	172	32.5	32.5	32.5	32.5	0	4225	33.2
21348	173	35	35	35	35	0	4900	38.5
21350	175	40	40	40	40	0	6400	50.2
21351	176	45	45	45	45	0	8100	63.6
21324	149	50	50	50	50	0	10000	78.5
21325	150	55	55	55	55	0	12100	95
21327	152	60	60	60	60	0	14400	113

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

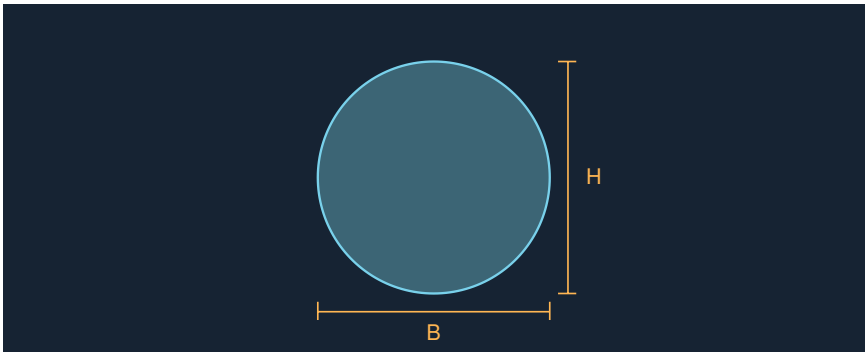
01 / STRUCTURAL PROFILES

Dimensions and variants

ROND

1/6

57 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: ROND 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
ROND 8	8	8	4	0	0	0	0
ROND 10	10	10	5	0	0	0	0
ROND 12	12	12	6	0	0	0	0
ROND 13	13	13	6.5	0	0	0	0
ROND 14	14	14	7	0	0	0	0
ROND 15	15	15	7.5	0	0	0	0
ROND 16	16	16	8	0	0	0	0
ROND 17	17	17	8.5	0	0	0	0
ROND 18	18	18	9	0	0	0	0
ROND 19	19	19	9.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22916	1748	4	4	4	4	0	50.2655	0.4
22864	1696	5	5	5	5	0	78.5398	0.62
22867	1699	6	6	6	6	0	113.097	0.89
22869	1701	6.5	6.5	6.5	6.5	0	132.732	1.04
22871	1703	7	7	7	7	0	153.938	1.21
22873	1705	7.5	7.5	7.5	7.5	0	176.715	1.39
22875	1707	8	8	8	8	0	201.062	1.58
22877	1709	8.5	8.5	8.5	8.5	0	226.98	1.78
22879	1711	9	9	9	9	0	254.469	2
22881	1713	9.5	9.5	9.5	9.5	0	283.529	2.23

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

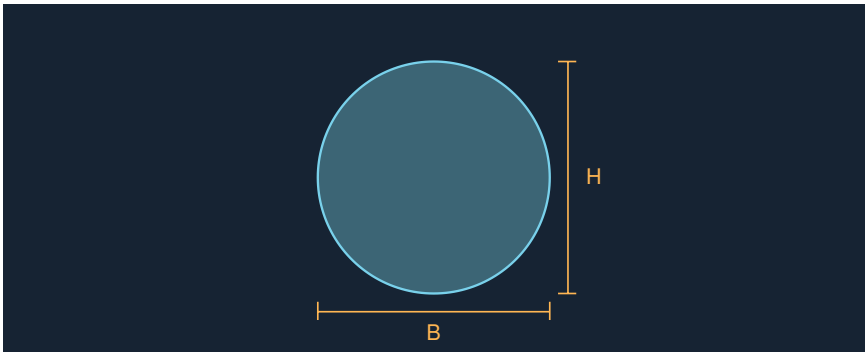
01 / STRUCTURAL PROFILES

Dimensions and variants

ROND

2/6

57 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: ROND 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
ROND 20	20	20	10	0	0	0	0
ROND 21	21	21	10.5	0	0	0	0
ROND 22	22	22	11	0	0	0	0
ROND 23	23	23	11.5	0	0	0	0
ROND 24	24	24	12	0	0	0	0
ROND 25	25	25	12.5	0	0	0	0
ROND 26	26	26	13	0	0	0	0
ROND 27	27	27	13.5	0	0	0	0
ROND 28	28	28	14	0	0	0	0
ROND 30	30	30	15	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22883	1715	10	10	10	10	0	314.159	2.47
22885	1717	10.5	10.5	10.5	10.5	0	346.361	2.72
22886	1718	11	11	11	11	0	380.133	2.98
22887	1719	11.5	11.5	11.5	11.5	0	415.476	3.26
22888	1720	12	12	12	12	0	452.389	3.55
22889	1721	12.5	12.5	12.5	12.5	0	490.874	3.85
22890	1722	13	13	13	13	0	530.929	4.17
22891	1723	13.5	13.5	13.5	13.5	0	572.555	4.49
22892	1724	14	14	14	14	0	615.752	4.83
22893	1725	15	15	15	15	0	706.858	5.55

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

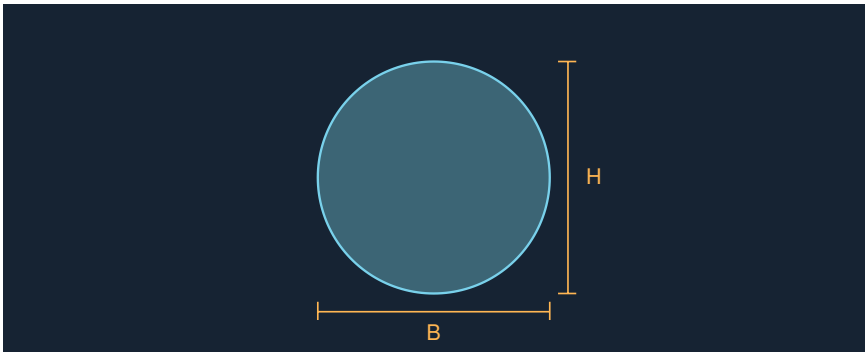
01 / STRUCTURAL PROFILES

Dimensions and variants

ROND

3/6

57 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: ROND 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
ROND 31	31	31	15.5	0	0	0	0
ROND 32	32	32	16	0	0	0	0
ROND 34	34	34	17	0	0	0	0
ROND 35	35	35	17.5	0	0	0	0
ROND 36	36	36	18	0	0	0	0
ROND 37	37	37	18.5	0	0	0	0
ROND 38	38	38	19	0	0	0	0
ROND 40	40	40	20	0	0	0	0
ROND 42	42	42	21	0	0	0	0
ROND 44	44	44	22	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22894	1726	15.5	15.5	15.5	15.5	0	754.768	5.92
22895	1727	16	16	16	16	0	804.248	6.31
22896	1728	17	17	17	17	0	907.92	7.13
22897	1729	17.5	17.5	17.5	17.5	0	962.113	7.55
22898	1730	18	18	18	18	0	1017.88	7.99
22899	1731	18.5	18.5	18.5	18.5	0	1075.21	8.44
22900	1732	19	19	19	19	0	1134.12	8.9
22901	1733	20	20	20	20	0	1256.64	9.86
22902	1734	21	21	21	21	0	1385.44	10.9
22903	1735	22	22	22	22	0	1520.53	11.9

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

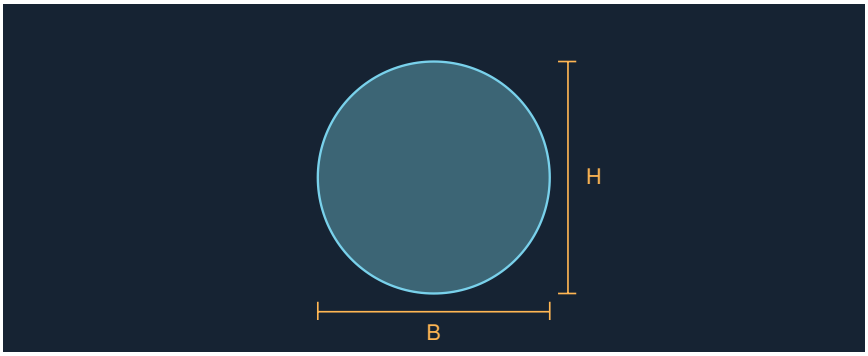
01 / STRUCTURAL PROFILES

Dimensions and variants

ROND

4/6

57 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: ROND 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
ROND 45	45	45	22.5	0	0	0	0
ROND 47	47	47	23.5	0	0	0	0
ROND 48	48	48	24	0	0	0	0
ROND 50	50	50	25	0	0	0	0
ROND 52	52	52	26	0	0	0	0
ROND 53	53	53	26.5	0	0	0	0
ROND 55	55	55	27.5	0	0	0	0
ROND 60	60	60	30	0	0	0	0
ROND 63	63	63	31.5	0	0	0	0
ROND 65	65	65	32.5	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22904	1736	22.5	22.5	22.5	22.5	0	1590.43	12.5
22905	1737	23.5	23.5	23.5	23.5	0	1734.95	13.6
22906	1738	24	24	24	24	0	1809.56	14.2
22907	1739	25	25	25	25	0	1963.5	15.4
22908	1740	26	26	26	26	0	2123.72	16.7
22909	1741	26.5	26.5	26.5	26.5	0	2206.18	17.3
22910	1742	27.5	27.5	27.5	27.5	0	2375.83	18.7
22911	1743	30	30	30	30	0	2827.43	22.2
22912	1744	31.5	31.5	31.5	31.5	0	3117.24	24.5
22913	1745	32.5	32.5	32.5	32.5	0	3318.31	26

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

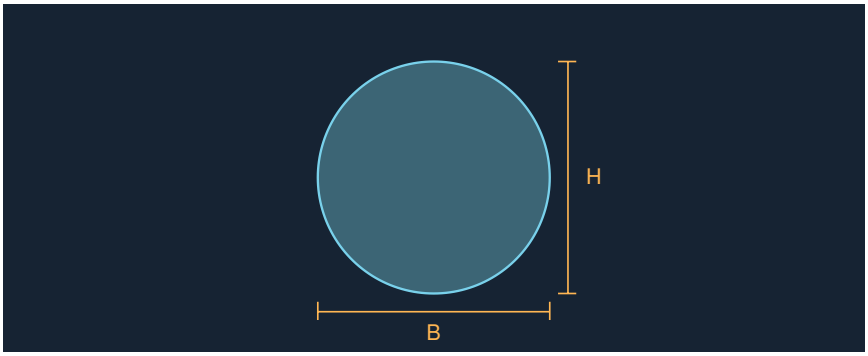
01 / STRUCTURAL PROFILES

Dimensions and variants

ROND

5/6

57 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: ROND 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
ROND 70	70	70	35	0	0	0	0
ROND 75	75	75	37.5	0	0	0	0
ROND 80	80	80	40	0	0	0	0
ROND 85	85	85	42.5	0	0	0	0
ROND 90	90	90	45	0	0	0	0
ROND 95	95	95	47.5	0	0	0	0
ROND 100	100	100	50	0	0	0	0
ROND 110	110	110	55	0	0	0	0
ROND 120	120	120	60	0	0	0	0
ROND 130	130	130	65	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22914	1746	35	35	35	35	0	3848.45	30.2
22915	1747	37.5	37.5	37.5	37.5	0	4417.87	34.7
22917	1749	40	40	40	40	0	5026.55	39.5
22918	1750	42.5	42.5	42.5	42.5	0	5674.5	44.5
22919	1751	45	45	45	45	0	6361.73	49.9
22920	1752	47.5	47.5	47.5	47.5	0	7088.22	55.6
22865	1697	50	50	50	50	0	7853.98	61.7
22866	1698	55	55	55	55	0	9503.32	74.6
22868	1700	60	60	60	60	0	11309.7	88.8
22870	1702	65	65	65	65	0	13273.2	104

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

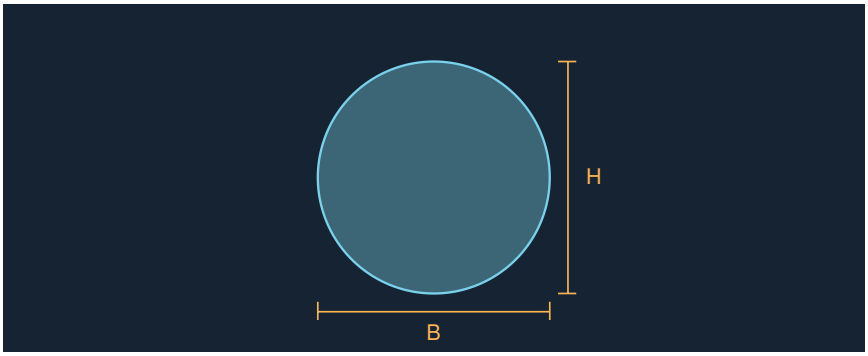
01 / STRUCTURAL PROFILES

Dimensions and variants

ROND

6/6

57 catalog variants / entries 51-57. Lengths: mm; area: mm2; mass: kg/m.



Typical section: ROND 200

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
ROND 140	140	140	70	0	0	0	0
ROND 150	150	150	75	0	0	0	0
ROND 160	160	160	80	0	0	0	0
ROND 170	170	170	85	0	0	0	0
ROND 180	180	180	90	0	0	0	0
ROND 190	190	190	95	0	0	0	0
ROND 200	200	200	100	0	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22872	1704	70	70	70	70	0	15393.8	121
22874	1706	75	75	75	75	0	17671.5	139
22876	1708	80	80	80	80	0	20106.2	158
22878	1710	85	85	85	85	0	22698	178
22880	1712	90	90	90	90	0	25446.9	200
22882	1714	95	95	95	95	0	28352.9	223
22884	1716	100	100	100	100	0	31415.9	247

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

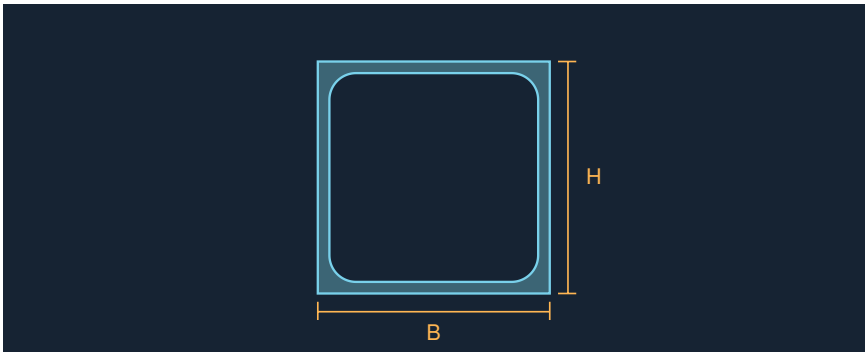
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

1/10

92 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 22x2,3	22	22	2.3	2.3	2.3	0	0
TCAR 25x2,5	25	25	2.5	2.5	2.5	0	0
TCAR 28x2,5	28	28	2.5	2.5	2.5	0	0
TCAR 28x2,6	28	28	2.6	2.6	2.6	0	0
TCAR 28x4	28	28	4	4	4	0	0
TCAR 30x2,5	30	30	2.5	2.5	2.5	0	0
TCAR 35x2,5	35	35	2.5	2.5	2.5	0	0
TCAR 35x2,7	35	35	2.7	2.7	2.7	0	0
TCAR 35x3,2	35	35	3.2	3.2	3.2	0	0
TCAR 35x4	35	35	4	4	4	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22959	1791	11	11	11	11	0	163.1	1.28
22964	1796	12.5	12.5	12.5	12.5	0	214	1.68
22965	1797	14	14	14	14	0	253	1.83
22966	1798	14	14	14	14	0	264.2	2.0281
22967	1799	14	14	14	14	0	376.3	2.90658
22972	1804	15	15	15	15	0	270	2.12
22976	1808	17.5	17.5	17.5	17.5	0	320	2.38
22977	1809	17.5	17.5	17.5	17.5	0	348.8	2.74
22978	1810	17.5	17.5	17.5	17.5	0	398.25	3.12626
22979	1811	17.5	17.5	17.5	17.5	0	488.3	3.78578

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

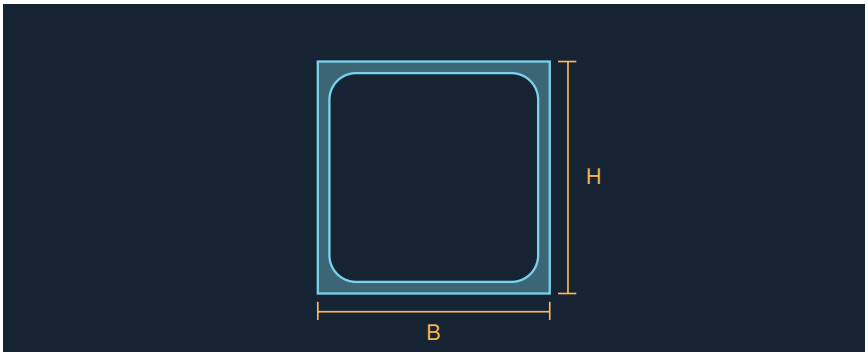
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

2/10

92 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 40x2,5	40	40	2.5	2.5	2.5	0	0
TCAR 40x2,7	40	40	2.7	2.7	2.7	0	0
TCAR 40x3,2	40	40	3.2	3.2	3.2	0	0
TCAR 40x4	40	40	4	4	4	0	0
TCAR 45x2,5	45	45	2.5	2.5	2.5	0	0
TCAR 45x2,7	45	45	2.7	2.7	2.7	0	0
TCAR 45x3,2	45	45	3.2	3.2	3.2	0	0
TCAR 45x4	45	45	4	4	4	0	0
TCAR 50x2,5	50	50	2.5	2.5	2.5	0	0
TCAR 50x3,2	50	50	3.2	3.2	3.2	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22980	1812	20	20	20	20	0	375	2.95
22981	1813	20	20	20	20	0	402.8	3.11317
22982	1814	20	20	20	20	0	466.1	3.62866
22983	1815	20	20	20	20	0	568.3	4.41378
22984	1816	22.5	22.5	22.5	22.5	0	420	3.17
22985	1817	22.5	22.5	22.5	22.5	0	456.8	3.59
22986	1818	22.5	22.5	22.5	22.5	0	530.1	4.13106
22987	1819	22.5	22.5	22.5	22.5	0	648.3	5.04178
22988	1820	25	25	25	25	0	464	3.7
22989	1821	25	25	25	25	0	594.1	4.63346

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

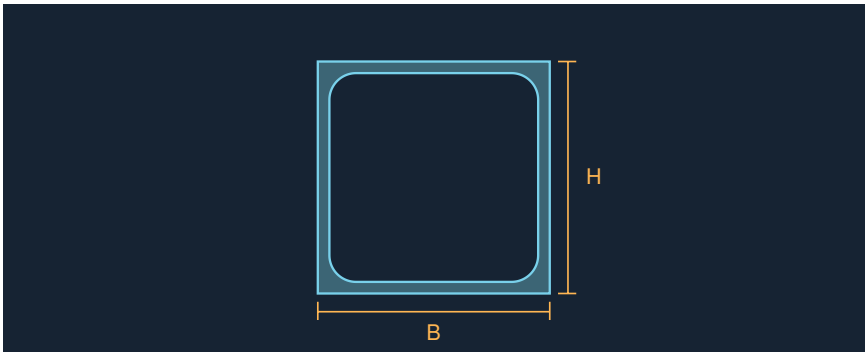
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

3/10

92 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: TCAR 200x10

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 50x4	50	50	4	4	4	0	0
TCAR 50x5	50	50	5	5	5	0	0
TCAR 55x2,5	55	55	2.5	2.5	2.5	0	0
TCAR 55x3,2	55	55	3.2	3.2	3.2	0	0
TCAR 55x5	55	55	5	5	5	0	0
TCAR 60x2,5	60	60	2.5	2.5	2.5	0	0
TCAR 60x3,2	60	60	3.2	3.2	3.2	0	0
TCAR 60x4	60	60	4	4	4	0	0
TCAR 60x5	60	60	5	5	5	0	0
TCAR 70x3,2	70	70	3.2	3.2	3.2	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22990	1822	25	25	25	25	0	728.3	5.72
22991	1823	25	25	25	25	0	887.9	6.97
22992	1824	27.5	27.5	27.5	27.5	0	525	4.12
22993	1825	27.5	27.5	27.5	27.5	0	654.25	5.13586
22994	1826	27.5	27.5	27.5	27.5	0	978.54	7.68154
22995	1827	30	30	30	30	0	575	4.52
22996	1828	30	30	30	30	0	722.1	5.63826
22997	1829	30	30	30	30	0	888.3	6.92578
22998	1830	30	30	30	30	0	1088	8.54
22999	1831	35	35	35	35	0	850.1	6.71

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

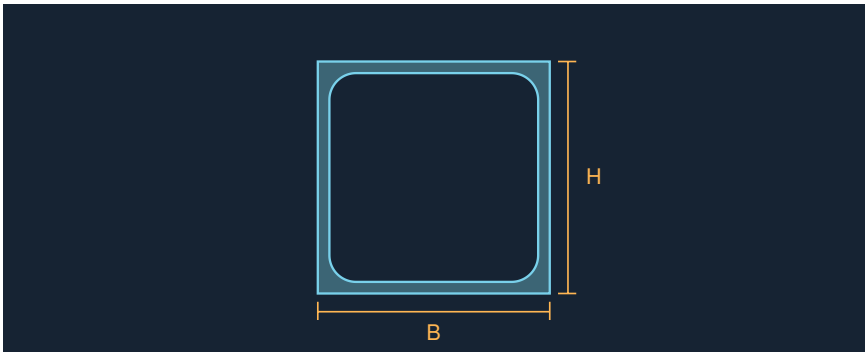
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

4/10

92 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 70x4	70	70	4	4	4	0	0
TCAR 70x5	70	70	5	5	5	0	0
TCAR 80x3,2	80	80	3.2	3.2	3.2	0	0
TCAR 80x3,6	80	80	3.6	3.6	3.6	0	0
TCAR 80x4	80	80	4	4	4	0	0
TCAR 80x5	80	80	5	5	5	0	0
TCAR 80x6,3	80	80	6.3	6.3	6.3	0	0
TCAR 90x3,2	90	90	3.2	3.2	3.2	0	0
TCAR 90x4	90	90	4	4	4	0	0
TCAR 90x5	90	90	5	5	5	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23000	1832	35	35	35	35	0	1050	8.23
23001	1833	35	35	35	35	0	1288	10.0365
23002	1834	40	40	40	40	0	978.1	7.64786
23003	1835	40	40	40	40	0	1089.03	8.54892
23004	1836	40	40	40	40	0	1208	9.43778
23005	1837	40	40	40	40	0	1488	11.6065
23006	1838	40	40	40	40	0	1840	14.3119
23007	1839	45	45	45	45	0	1106	8.65266
23008	1840	45	45	45	45	0	1370	10.6938
23009	1841	45	45	45	45	0	1688	13.3

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

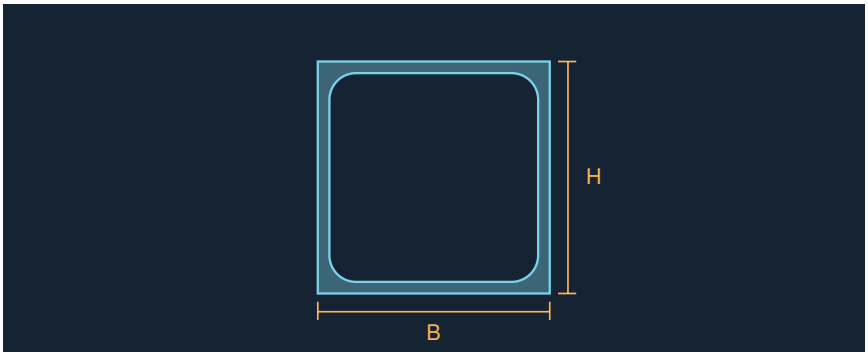
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

5/10

92 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 90x6,3	90	90	6.3	6.3	6.3	0	0
TCAR 90x7,1	90	90	7.1	7.1	7.1	0	0
TCAR 90x8	90	90	8	8	8	0	0
TCAR 100x3,2	100	100	3.2	3.2	3.2	0	0
TCAR 100x4	100	100	4	4	4	0	0
TCAR 100x5	100	100	5	5	5	0	0
TCAR 100x6,3	100	100	6.3	6.3	6.3	0	0
TCAR 100x7,1	100	100	7.1	7.1	7.1	0	0
TCAR 100x8	100	100	8	8	8	0	0
TCAR 100x10	100	100	10	10	10	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23010	1842	45	45	45	45	0	2090	16.4
23011	1843	45	45	45	45	0	2311.09	18.142
23012	1844	45	45	45	45	0	2590	20.4
22922	1754	50	50	50	50	0	1230.25	9.65746
22923	1755	50	50	50	50	0	1528	11.9498
22924	1756	50	50	50	50	0	1888	14.7465
22925	1757	50	50	50	50	0	2340	18.2683
22926	1758	50	50	50	50	0	2595.09	20.3714
22927	1759	50	50	50	50	0	2913	22.6791
22921	1753	50	50	50	50	0	3552	27.5861

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

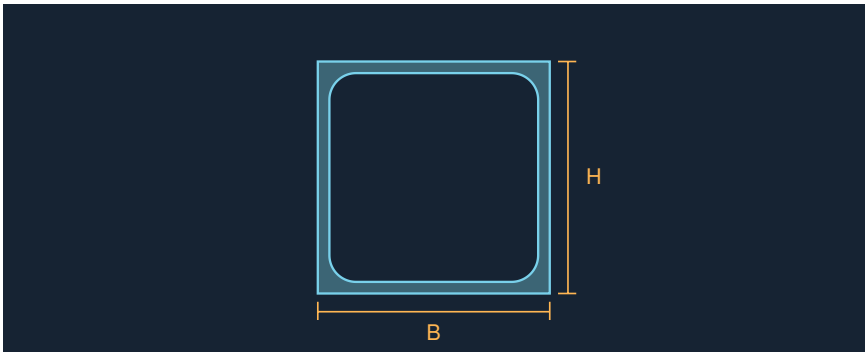
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

6/10

92 catalog variants / entries 51-60. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 120x3,2	120	120	3.2	3.2	3.2	0	0
TCAR 120x4	120	120	4	4	4	0	0
TCAR 120x5	120	120	5	5	5	0	0
TCAR 120x6,3	120	120	6.3	6.3	6.3	0	0
TCAR 120x7,1	120	120	7.1	7.1	7.1	0	0
TCAR 120x8	120	120	8	8	8	0	0
TCAR 135x3,2	135	135	3.2	3.2	7	0	0
TCAR 135x4	135	135	4	4	8.3	0	0
TCAR 135x5	135	135	5	5	11	0	0
TCAR 135x7,1	135	135	7.1	7.1	14	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22928	1760	60	60	60	60	0	1486.25	11.6671
22929	1761	60	60	60	60	0	1848	14.4618
22930	1762	60	60	60	60	0	2288	17.8865
22931	1763	60	60	60	60	0	2850	22.2247
22932	1764	60	60	60	60	0	3163.09	24.8302
22933	1765	60	60	60	60	0	3553	27
22934	1766	67.5	67.5	67.5	67.5	0	1657.37	13.0104
22935	1767	67.5	67.5	67.5	67.5	0	2088	16.4
22936	1768	67.5	67.5	67.5	67.5	0	2510	19.8372
22937	1769	67.5	67.5	67.5	67.5	0	3460	27.5141

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

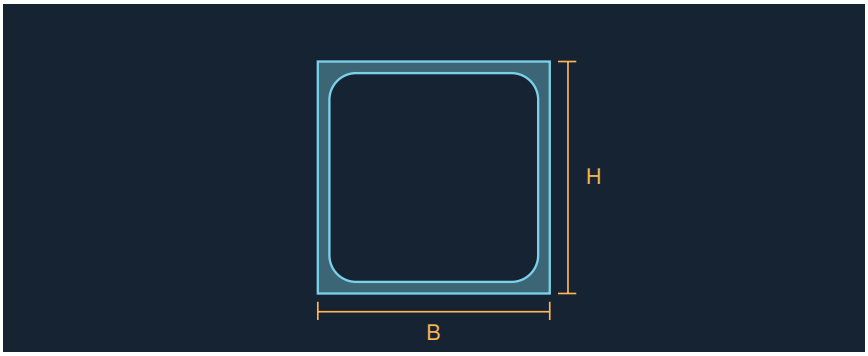
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

7/10

92 catalog variants / entries 61-70. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 140x3,6	140	140	3.6	3.6	8.3	0	0
TCAR 140x4,5	140	140	4.5	4.5	10.3	0	0
TCAR 140x6,3	140	140	6.3	6.3	14.5	0	0
TCAR 140x7,1	140	140	7.1	7.1	16	0	0
TCAR 140x8	140	140	8	8	18	0	0
TCAR 150x4	150	150	4	4	9.2	0	0
TCAR 150x5	150	150	5	5	11.5	0	0
TCAR 150x6	150	150	6	6	13.8	0	0
TCAR 150x8	150	150	8	8	18.4	0	0
TCAR 150x10	150	150	10	10	23	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22938	1770	70	70	70	70	0	1940	15.1033
22939	1771	70	70	70	70	0	2376.81	18.6579
22940	1772	70	70	70	70	0	3310	25.4849
22941	1773	70	70	70	70	0	3622.6	28.4374
22942	1774	70	70	70	70	0	4031.72	31.649
22945	1777	75	75	75	75	0	2286.56	17.9495
22946	1778	75	75	75	75	0	2822.74	22.1585
22947	1779	75	75	75	75	0	3344.75	26.2563
22948	1780	75	75	75	75	0	4346	34.12
22943	1775	75	75	75	75	0	5290.97	41.5341

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

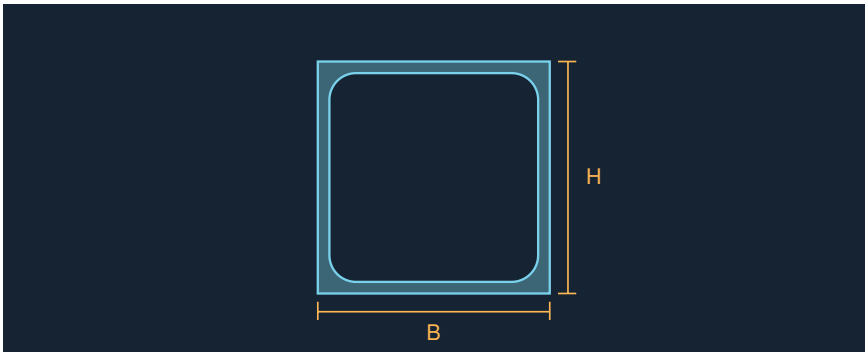
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

8/10

92 catalog variants / entries 71-80. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 150x12	150	150	12	12	27	0	0
TCAR 180x3,6	180	180	3.6	3.6	20	0	0
TCAR 180x6,3	180	180	6.3	6.3	20	0	0
TCAR 180x8	180	180	8	8	20	0	0
TCAR 180x10	180	180	10	10	20	0	0
TCAR 180x12	180	180	12	12	20	0	0
TCAR 200x5	200	200	5	5	11.5	0	0
TCAR 200x6	200	200	6	6	13.8	0	0
TCAR 200x8	200	200	8	8	18.4	0	0
TCAR 200x10	200	200	10	10	23	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22944	1776	75	75	75	75	0	6191.36	48.6022
22951	1783	90	90	90	90	0	2427.67	19.0572
22952	1784	90	90	90	90	0	4320	33.9
22953	1785	90	90	90	90	0	5306	41.4813
22949	1781	90	90	90	90	0	6491	51.3585
22950	1782	90	90	90	90	0	7619	59.8
22956	1788	100	100	100	100	0	3822.74	30.0085
22957	1789	100	100	100	100	0	4545	35.7
22958	1790	100	100	100	100	0	5946.22	46.6779
22954	1786	100	100	100	100	0	7290.97	57.2341

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

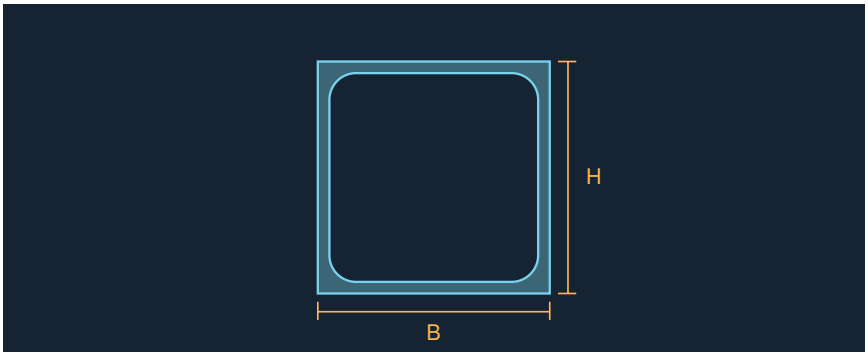
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

9/10

92 catalog variants / entries 81-90. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TCAR 200x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 200x12	200	200	12	12	27	0	0
TCAR 250x6	250	250	6	6	13.8	0	0
TCAR 250x8	250	250	8	8	18.4	0	0
TCAR 250x10	250	250	10	10	23	0	0
TCAR 250x12	250	250	12	12	27.6	0	0
TCAR 300x6	300	300	6	6	13.8	0	0
TCAR 300x8	300	300	8	8	18.4	0	0
TCAR 300x10	300	300	10	10	23	0	0
TCAR 300x12	300	300	12	12	27.6	0	0
TCAR 350x8	350	350	8	8	15	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22955	1787	100	100	100	100	0	8579	67.4422
22962	1794	125	125	125	125	0	5744.75	45.0963
22963	1795	125	125	125	125	0	7546.22	59.2379
22960	1792	125	125	125	125	0	9290.97	72.9341
22961	1793	125	125	125	125	0	10979	86.1852
22970	1802	150	150	150	150	0	6944.75	54.5163
22971	1803	150	150	150	150	0	9146.22	71.7979
22968	1800	150	150	150	150	0	11291	88.6341
22969	1801	150	150	150	150	0	13379	105.025
22975	1807	175	175	175	175	0	10750	84.4

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

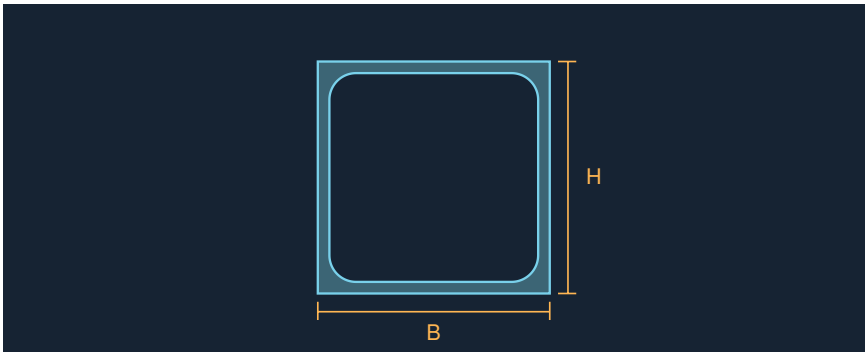
01 / STRUCTURAL PROFILES

Dimensions and variants

TCAR

10/10

92 catalog variants / entries 91-92. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: TCAR 200x10

REFERENCE	H	B	EA	ES	RA	RS	GAP
TCAR 350x10	350	350	10	10	27	0	0
TCAR 350x12	350	350	12	12	30	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
22973	1805	175	175	175	175	0	13290	104.3
22974	1806	175	175	175	175	0	15780	123.9

Library contour and stored source dimensions. This representative contour differs from the source area by 10.5%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

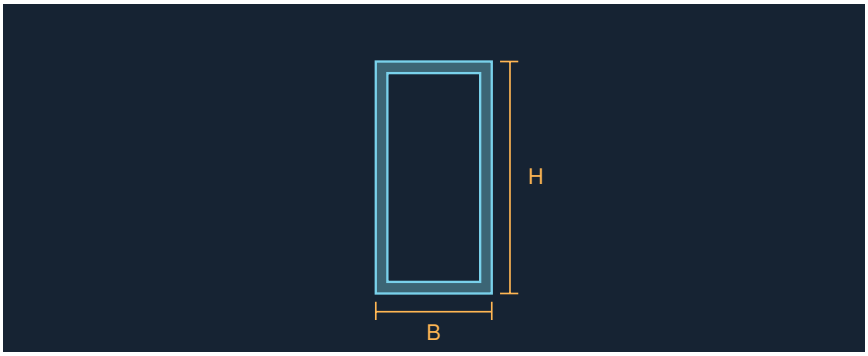
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

1/10

93 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 35x20x2,5	35	20	2.5	2.5	2.5	0	0
TREC 40x20x2	40	20	2	2	4	4	0
TREC 40x27x2,5	40	27	2.5	2.5	2.5	0	0
TREC 50x20x2,5	50	20	2.5	2.5	2.5	0	0
TREC 50x25x2,5	50	25	2.5	2.5	2.5	0	0
TREC 50x25x2,6	50	25	2.6	2.6	2.6	0	0
TREC50x30x2	50	30	2	2	2	2	0
TREC50x30x2,5	50	30	2.5	2.5	2.5	2.5	0
TREC50x30x3,3	50	30	3.3	3.3	3.3	3.3	0
TREC50x30x4	50	30	4	4	4	4	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23096	1928	10	10	17.5	17.5	0	239	1.88
23324	1935	10	10	20	20	0	214	1.68
23103	1936	13.5	13.5	20	20	0	310	2.43
23104	1937	10	10	25	25	0	314	2.47
23105	1938	12.5	12.5	25	25	0	350	2.75
23106	1939	12.5	12.5	25	25	0	359.7	2.82
23310	1957	15	15	25	25	0	304	2.31
23311	1958	15	15	25	25	0	375	2.82
23312	1959	15	15	25	25	0	484.44	3.3
23313	1960	15	15	25	25	0	576	4.2

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

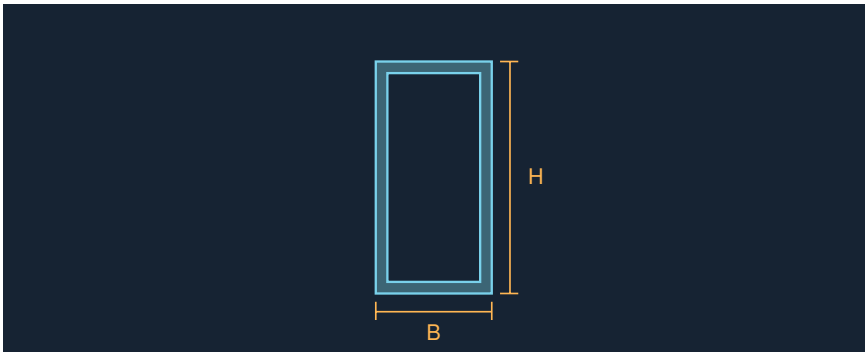
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

2/10

93 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 60x30x2,5	60	30	2.5	2.5	2.5	0	0
TREC 60x30x2,6	60	30	2.6	2.6	2.6	0	0
TREC 60x30x3,2	60	30	3.2	3.2	3.2	0	0
TREC 60x30x4	60	30	4	4	4	0	0
TREC 60x34x2,5	60	34	2.5	2.5	2.5	0	0
TREC 60x40x3,2	60	40	3.2	3.2	3.2	0	0
TREC 60x40x4	60	40	4	4	4	0	0
TREC 70x35x3,2	70	35	3.2	3.2	3.2	0	0
TREC 70x35x5	70	35	5	5	5	0	0
TREC 70x40x3,2	70	40	3.2	3.2	3.2	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23107	1940	15	15	30	30	0	420	3.29
23108	1941	15	15	30	30	0	462.197	3.62825
23109	1942	15	15	30	30	0	530.1	4.16
23110	1943	15	15	30	30	0	648.3	5.09
23111	1944	17	17	30	30	0	445	3.49
23112	1945	20	20	30	30	0	594.1	4.66
23113	1946	20	20	30	30	0	728.3	5.72
23114	1947	17.5	17.5	35	35	0	631	4.95
23115	1948	17.5	17.5	35	35	0	1028.54	8.07404
23116	1949	20	20	35	35	0	658	5.17

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

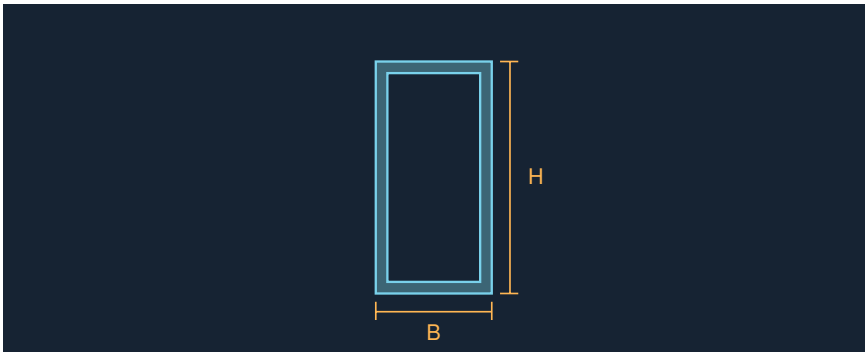
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

3/10

93 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 80x40x2,5	80	40	2.5	2.5	2.5	0	0
TREC 80x40x3,2	80	40	3.2	3.2	3.2	0	0
TREC 80x40x4	80	40	4	4	4	0	0
TREC 80x40x5	80	40	5	5	5	0	0
TREC 90x50x3,2	90	50	3.2	3.2	3.2	0	0
TREC 90x50x4	90	50	4	4	4	0	0
TREC 90x50x5	90	50	5	5	5	0	0
TREC 100x50x2,5	100	50	2.5	2.5	2.5	0	0
TREC 100x50x3,2	100	50	3.2	3.2	3.2	0	0
TREC 100x50x4	100	50	4	4	4	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23117	1950	20	20	40	40	0	564	4.53
23118	1951	20	20	40	40	0	722.1	5.67
23119	1952	20	20	40	40	0	888.3	6.97
23120	1953	20	20	40	40	0	1088	8.54
23121	1954	25	25	45	45	0	850.1	6.67
23122	1955	25	25	45	45	0	1048	8.23
23123	1956	25	25	45	45	0	1288	10.1
23036	1868	25	25	50	50	0	714	5.69
23037	1869	25	25	50	50	0	914.1	7.18
23038	1870	25	25	50	50	0	1128	8.86

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

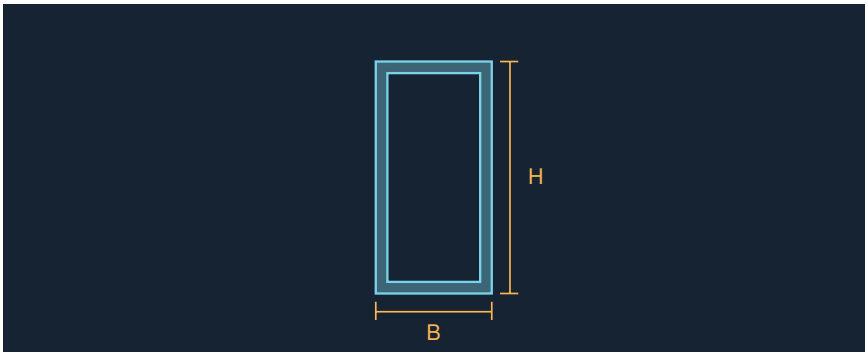
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

4/10

93 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 100x50x5	100	50	5	5	5	0	0
TREC 100x50x6,3	100	50	6.3	6.3	6.3	0	0
TREC 100x60x2,5	100	60	2.5	2.5	2.5	0	0
TREC 120x60x3,2	120	60	3.2	3.2	3.2	0	0
TREC 120x60x5	120	60	5	5	5	0	0
TREC 120x60x6,3	120	60	6.3	6.3	6.3	0	0
TREC 120x60x7,1	120	60	7.1	7.1	7.1	0	0
TREC 120x60x10	120	60	10	10	10	0	0
TREC 120x80x3,2	120	80	3.2	3.2	3.2	0	0
TREC 120x80x5	120	80	5	5	5	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23039	1871	25	25	50	50	0	1388	10.9
23040	1872	25	25	50	50	0	1855.93	14.569
23041	1873	30	30	50	50	0	764	6
23043	1875	30	30	60	60	0	1106	8.68
23044	1876	30	30	60	60	0	1688	13.3
23045	1877	30	30	60	60	0	2090	16.4
23046	1878	30	30	60	60	0	2512.73	19.7249
23042	1874	30	30	60	60	0	3152	24.7
23047	1879	40	40	60	60	0	1230	9.69
23048	1880	40	40	60	60	0	1888	14.8

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

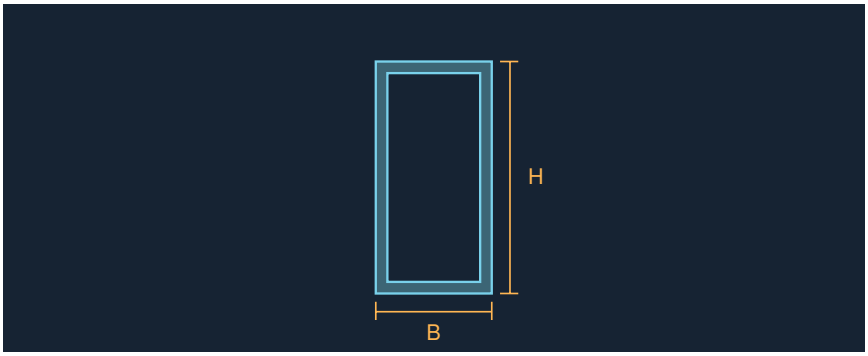
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

5/10

93 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 140x80x3,2	140	80	3.2	3.2	3.2	0	0
TREC 140x80x5	140	80	5	5	5	0	0
TREC 140x80x6,3	140	80	6.3	6.3	6.3	0	0
TREC 140x80x7,1	140	80	7.1	7.1	7.1	0	0
TREC 150x50x3,2	150	50	3.2	3.2	3.2	0	0
TREC 150x50x5	150	50	5	5	5	0	0
TREC 150x50x6,3	150	50	6.3	6.3	6.3	0	0
TREC 150x50x7,1	150	50	7.1	7.1	7.1	0	0
TREC 150x50x10	150	50	10	10	10	0	0
TREC 150x100x3,2	150	100	3.2	3.2	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23049	1881	40	40	70	70	0	1362	10.7
23050	1882	40	40	70	70	0	2088	16.4
23051	1883	40	40	70	70	0	2590	20.4
23052	1884	40	40	70	70	0	2890	22.7
23058	1890	25	25	75	75	0	1234	9.7
23059	1891	25	25	75	75	0	1888	14.8
23060	1892	25	25	75	75	0	2485.93	19.5146
23061	1893	25	25	75	75	0	2796.73	21.9543
23057	1889	25	25	75	75	0	3552	27.9
23053	1885	50	50	75	75	0	1554	12.2

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

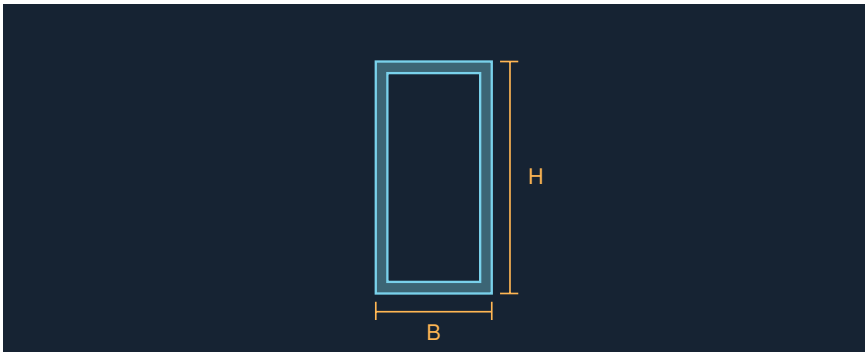
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

6/10

93 catalog variants / entries 51-60. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 150x100x5	150	100	5	5	0	0	0
TREC 150x100x6,3	150	100	6.3	6.3	0	0	0
TREC 150x100x7,1	150	100	7.1	7.1	0	0	0
TREC 160x90x3,2	160	90	3.2	3.2	3.2	0	0
TREC 160x90x5	160	90	5	5	5	0	0
TREC 160x90x7,1	160	90	7.1	7.1	7.1	0	0
TREC 180x80x3,2	180	80	3.2	3.2	3.2	0	0
TREC 180x80x5	180	80	5	5	5	0	0
TREC 180x80x7,1	180	80	7.1	7.1	7.1	0	0
TREC 200x100x4	200	100	4	4	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23054	1886	50	50	75	75	0	2388	18.7
23055	1887	50	50	75	75	0	2970	23.3
23056	1888	50	50	75	75	0	3180	24.9
23062	1894	45	45	80	80	0	1559	12.24
23063	1895	45	45	80	80	0	2478.54	19.4565
23064	1896	45	45	80	80	0	3506.73	27.5278
23065	1897	40	40	90	90	0	1623	12.7
23066	1898	40	40	90	90	0	2500	19.6
23067	1899	40	40	90	90	0	3648.73	28.6425
23069	1901	50	50	100	100	0	2287	17.9

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

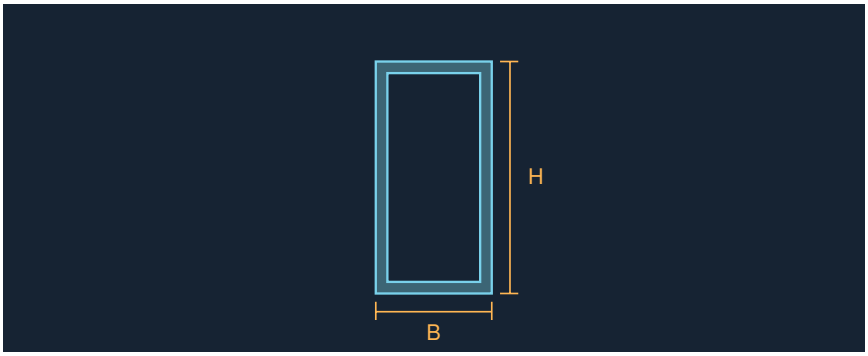
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

7/10

93 catalog variants / entries 61-70. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 200x100x5	200	100	5	5	0	0	0
TREC 200x100x6	200	100	6	6	0	0	0
TREC 200x100x8	200	100	8	8	0	0	0
TREC 200x100x10	200	100	10	10	0	0	0
TREC 200x150x5	200	150	5	5	0	0	0
TREC 200x150x6	200	150	6	6	0	0	0
TREC 200x150x8	200	150	8	8	0	0	0
TREC 200x150x10	200	150	10	10	0	0	0
TREC 200x150x12	200	150	12	12	0	0	0
TREC 250x100x5	250	100	5	5	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23070	1902	50	50	100	100	0	2823	22.2
23071	1903	50	50	100	100	0	3345	26.3
23072	1904	50	50	100	100	0	4346	34.1
23068	1900	50	50	100	100	0	5291	41.5
23075	1907	75	75	100	100	0	3322	26.1
23076	1908	75	75	100	100	0	3945	31
23077	1909	75	75	100	100	0	5146	40.4
23073	1905	75	75	100	100	0	6291	49.4
23074	1906	75	75	100	100	0	7379	57.9
23080	1912	50	50	125	125	0	3322	26.1

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

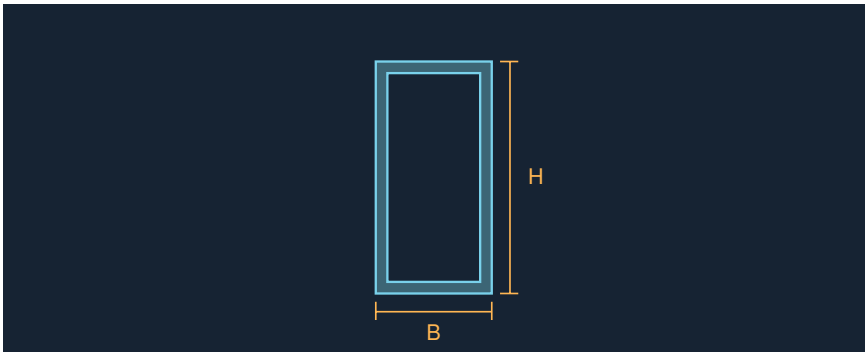
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

8/10

93 catalog variants / entries 71-80. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 250x100x6	250	100	6	6	0	0	0
TREC 250x100x8	250	100	8	8	0	0	0
TREC 250x100x10	250	100	10	10	0	0	0
TREC 250x100x12	250	100	12	12	0	0	0
TREC 250x150x5	250	150	5	5	0	0	0
TREC 250x150x6	250	150	6	6	0	0	0
TREC 250x150x8	250	150	8	8	0	0	0
TREC 250x150x10	250	150	10	10	0	0	0
TREC 300x100x5	300	100	5	5	0	0	0
TREC 300x100x6	300	100	6	6	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23081	1913	50	50	125	125	0	3944	31
23082	1914	50	50	125	125	0	5146	40.4
23078	1910	50	50	125	125	0	6290	49.4
23079	1911	50	50	125	125	0	7379	57.9
23084	1916	75	75	125	125	0	3823	30
23085	1917	75	75	125	125	0	4545	35.7
23086	1918	75	75	125	125	0	5946	46.7
23083	1915	75	75	125	125	0	7291	57.2
23089	1921	50	50	150	150	0	3823	30
23090	1922	50	50	150	150	0	4545	35.7

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

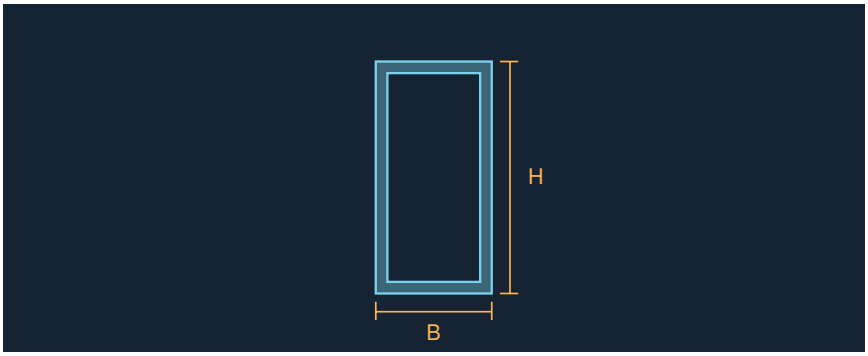
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

9/10

93 catalog variants / entries 81-90. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 300x100x8	300	100	8	8	0	0	0
TREC 300x100x10	300	100	10	10	0	0	0
TREC 300x100x12	300	100	12	12	0	0	0
TREC 300x200x6	300	200	6	6	0	0	0
TREC 300x200x8	300	200	8	8	0	0	0
TREC 300x200x10	300	200	10	10	0	0	0
TREC 300x200x12	300	200	12	12	0	0	0
TREC 400x200x6	400	200	6	6	0	0	0
TREC 400x200x8	400	200	8	8	0	0	0
TREC 400x200x10	400	200	10	10	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23091	1923	50	50	150	150	0	5946	46.7
23087	1919	50	50	150	150	0	7291	57.2
23088	1920	50	50	150	150	0	8579	67.3
23094	1926	100	100	150	150	0	5745	45.1
23095	1927	100	100	150	150	0	7546	59.2
23092	1924	100	100	150	150	0	9291	72.9
23093	1925	100	100	150	150	0	10980	86.2
23099	1931	100	100	200	200	0	6945	54.5
23100	1932	100	100	200	200	0	9146	71.8
23097	1929	100	100	200	200	0	11290	88.6

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

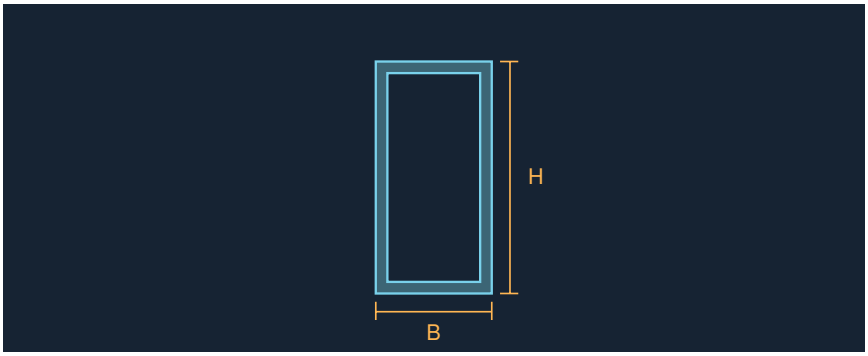
01 / STRUCTURAL PROFILES

Dimensions and variants

TREC

10/10

93 catalog variants / entries 91-93. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TREC 200x100x10

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TREC 400x200x12	400	200	12	12	0	0	0
TREC 400x300x8	400	300	8	8	0	0	0
TREC 400x300x10	400	300	10	10	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23098	1930	100	100	200	200	0	13380	105
23102	1934	150	150	200	200	0	10750	84.4
23101	1933	150	150	200	200	0	13290	104.3

Library contour and stored source dimensions. This representative contour differs from the source area by 5.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

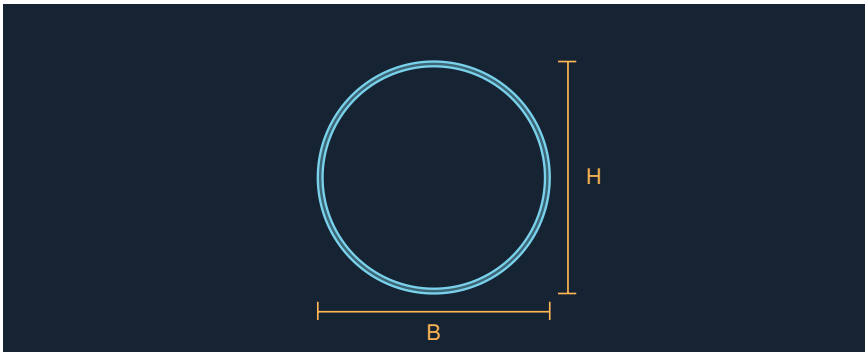
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

1/8

76 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 21x2,3	21.3	21.3	2.3	2.3	0	0	0
TRON 26x2,3	26.9	26.9	2.3	2.3	0	0	0
TRON 26x2,5	26.9	26.9	2.5	2.5	0	0	0
TRON 26x3,2	26.9	26.9	3.2	3.2	0	0	0
TRON 28x2,5	28	28	2.5	2.5	0	0	0
TRON 30x2,5	30	30	2.5	2.5	0	0	0
TRON 32x2,5	32	32	2.5	2.5	0	0	0
TRON 33x2,6	33.7	33.7	2.6	2.6	0	0	0
TRON 33x3,2	33.7	33.7	3.2	3.2	0	0	0
TRON 33x4	33.7	33.7	4	4	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23149	1986	10.65	10.65	10.65	10.65	0	137.288	1.07771
23150	1987	13.45	13.45	13.45	13.45	0	177.751	1.39535
23151	1988	13.45	13.45	13.45	13.45	0	191.6	1.5
23152	1989	13.45	13.45	13.45	13.45	0	238.258	1.87
23155	1992	14	14	14	14	0	200.3	1.57
23156	1993	15	15	15	15	0	216	1.7
23160	1997	16	16	16	16	0	231.7	1.82
23161	1998	16.85	16.85	16.85	16.85	0	254.029	1.99413
23162	1999	16.85	16.85	16.85	16.85	0	306.619	2.40696
23163	2000	16.85	16.85	16.85	16.85	0	373.221	2.92979

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

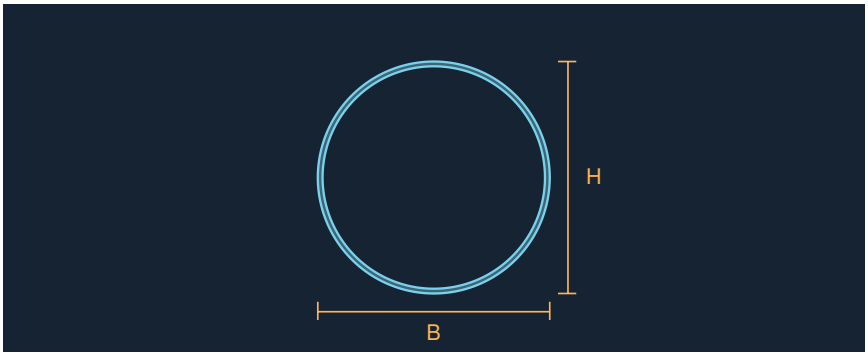
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

2/8

76 catalog variants / entries 11-20. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 35x2,5	35	35	2.5	2.5	0	0	0
TRON 38x2,5	38	38	2.5	2.5	0	0	0
TRON 40x2,5	40	40	2.5	2.5	0	0	0
TRON 42x2,6	42.4	42.4	2.6	2.6	0	0	0
TRON 42x3,2	42.4	42.4	3.2	3.2	0	0	0
TRON 42x4	42.4	42.4	4	4	0	0	0
TRON 48x2,5	48.3	48.3	2.5	2.5	0	0	0
TRON 48x2,9	48.3	48.3	2.9	2.9	0	0	0
TRON 48x3,2	48.3	48.3	3.2	3.2	0	0	0
TRON 48x4	48.3	48.3	4	4	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23166	2003	17.5	17.5	17.5	17.5	0	255.3	2
23167	2004	19	19	19	19	0	278.8	2.19
23170	2007	20	20	20	20	0	294.5	2.31
23171	2008	21.2	21.2	21.2	21.2	0	325.092	2.55197
23172	2009	21.2	21.2	21.2	21.2	0	394.081	3.09354
23173	2010	21.2	21.2	21.2	21.2	0	482.549	3.78801
23174	2011	24.15	24.15	24.15	24.15	0	359.7	2.82
23175	2012	24.15	24.15	24.15	24.15	0	413.622	3.24693
23176	2013	24.15	24.15	24.15	24.15	0	453.395	3.55915
23177	2014	24.15	24.15	24.15	24.15	0	556.69	4.37002

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

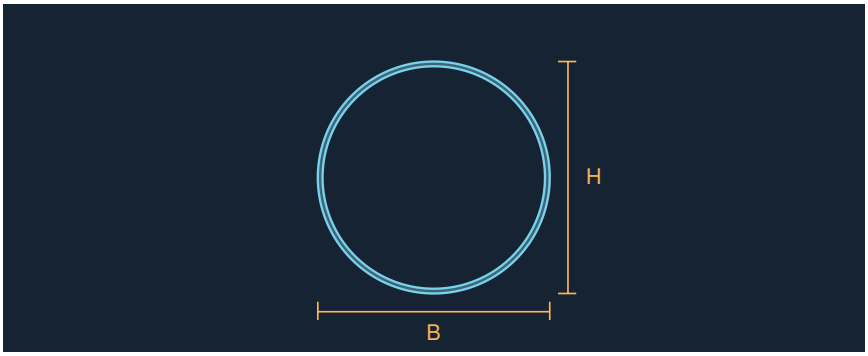
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

3/8

76 catalog variants / entries 21-30. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 50x2,5	50	50	2.5	2.5	0	0	0
TRON 51x2,5	51	51	2.5	2.5	0	0	0
TRON 55x2,5	55	55	2.5	2.5	0	0	0
TRON 57x2,5	57	57	2.5	2.5	0	0	0
TRON 60x2,5	60.3	60.3	2.5	2.5	0	0	0
TRON 60x2,9	60.3	60.3	2.9	2.9	0	0	0
TRON 60x3,2	60.3	60.3	3.2	3.2	0	0	0
TRON 60x4	60.3	60.3	4	4	0	0	0
TRON 60x5	60.3	60.3	5	5	0	0	0
TRON 61x2,5	61.5	61.5	2.5	2.5	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23178	2015	25	25	25	25	0	373.1	2.93
23179	2016	25.5	25.5	25.5	25.5	0	380.9	2.99
23180	2017	27.5	27.5	27.5	27.5	0	412.3	3.24
23181	2018	28.5	28.5	28.5	28.5	0	428	3.36
23182	2019	30.15	30.15	30.15	30.15	0	454	3.56
23183	2020	30.15	30.15	30.15	30.15	0	522.95	4.10515
23184	2021	30.15	30.15	30.15	30.15	0	574.032	4.50615
23185	2022	30.15	30.15	30.15	30.15	0	707.487	5.55377
23186	2023	30.15	30.15	30.15	30.15	0	868.65	6.8189
23187	2024	30.75	30.75	30.75	30.75	0	463.4	3.64

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

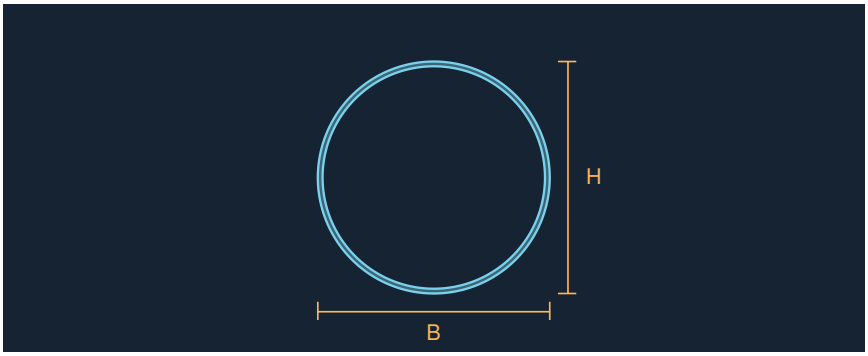
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

4/8

76 catalog variants / entries 31-40. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 62x2,5	62.3	62.3	2.5	2.5	0	0	0
TRON 70x2,5	70	70	2.5	2.5	0	0	0
TRON 70x2,9	70	70	2.9	2.9	0	0	0
TRON 76x2,5	76.1	76.1	2.5	2.5	0	0	0
TRON 76x2,9	76.1	76.1	2.9	2.9	0	0	0
TRON 76x3,6	76.1	76.1	3.6	3.6	0	0	0
TRON 76x4	76.1	76.1	4	4	0	0	0
TRON 76x5	76.1	76.1	5	5	0	0	0
TRON 88x2,5	88.9	88.9	2.5	2.5	0	0	0
TRON 88x3,2	88.9	88.9	3.2	3.2	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23188	2025	31.15	31.15	31.15	31.15	0	469.7	3.69
23189	2026	35	35	35	35	0	530.1	4.16
23190	2027	35	35	35	35	0	611.323	4.79888
23191	2028	38.05	38.05	38.05	38.05	0	578.1	4.54
23192	2029	38.05	38.05	38.05	38.05	0	666.897	5.23514
23193	2030	38.05	38.05	38.05	38.05	0	819.956	6.43665
23194	2031	38.05	38.05	38.05	38.05	0	906.035	7.11238
23195	2032	38.05	38.05	38.05	38.05	0	1116.84	8.76716
23196	2033	44.45	44.45	44.45	44.45	0	678.6	5.33
23197	2034	44.45	44.45	44.45	44.45	0	861.55	6.76317

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

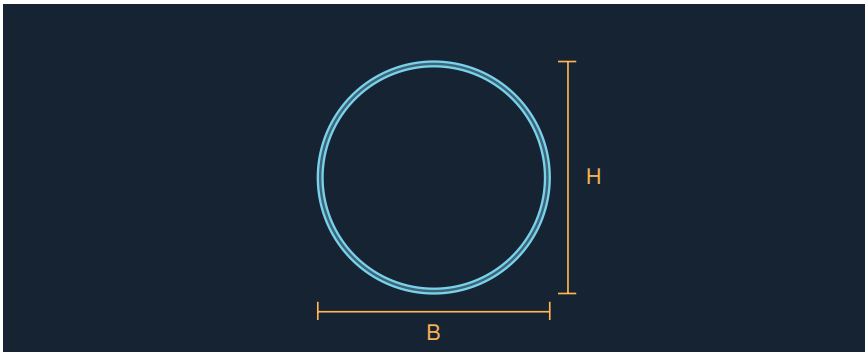
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

5/8

76 catalog variants / entries 41-50. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 88x4	88.9	88.9	4	4	0	0	0
TRON 88x5	88.9	88.9	5	5	0	0	0
TRON 101x3,6	101.6	101.6	3.6	3.6	0	0	0
TRON 101x4	101.6	101.6	4	4	0	0	0
TRON 101x5	101.6	101.6	5	5	0	0	0
TRON 101x8	101.6	101.6	8	8	0	0	0
TRON 101x10	101.6	101.6	10	10	0	0	0
TRON 114x3,6	114.3	114.3	3.6	3.6	0	0	0
TRON 114x5	114.3	114.3	5	5	0	0	0
TRON 114x6,3	114.3	114.3	6.3	6.3	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23198	2035	44.45	44.45	44.45	44.45	0	1066.88	8.37505
23199	2036	44.45	44.45	44.45	44.45	0	1317.9	10.3455
23125	1962	50.8	50.8	50.8	50.8	0	1108.35	8.70058
23126	1963	50.8	50.8	50.8	50.8	0	1226.48	9.62785
23127	1964	50.8	50.8	50.8	50.8	0	1517.39	11.9115
23128	1965	50.8	50.8	50.8	50.8	0	2352.42	18.4665
23124	1961	50.8	50.8	50.8	50.8	0	2877.7	22.5899
23130	1967	57.15	57.15	57.15	57.15	0	1251.99	9.8281
23131	1968	57.15	57.15	57.15	57.15	0	1716.88	13.4775
23132	1969	57.15	57.15	57.15	57.15	0	2137.54	16.7797

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

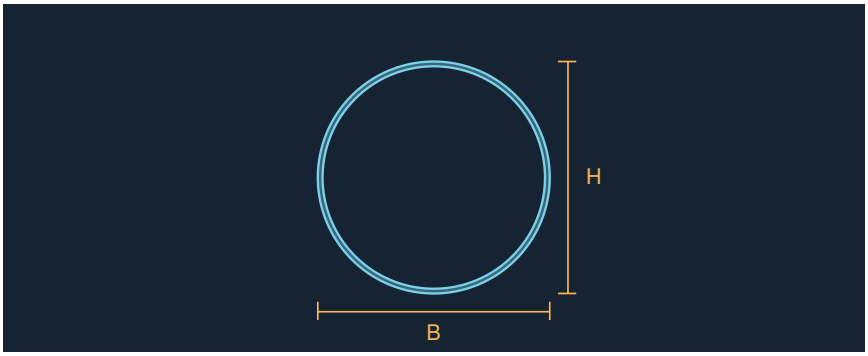
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

6/8

76 catalog variants / entries 51-60. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 114x8	114.3	114.3	8	8	0	0	0
TRON 114x10	114.3	114.3	10	10	0	0	0
TRON 139x4	139.7	139.7	4	4	0	0	0
TRON 139x5	139.7	139.7	5	5	0	0	0
TRON 139x6,3	139.7	139.7	6.3	6.3	0	0	0
TRON 139x8	139.7	139.7	8	8	0	0	0
TRON 139x10	139.7	139.7	10	10	0	0	0
TRON 139x12,5	139.7	139.7	12.5	12.5	0	0	0
TRON 168x4,5	168.3	168.3	4.5	4.5	0	0	0
TRON 168x6,3	168.3	168.3	6.3	6.3	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23133	1970	57.15	57.15	57.15	57.15	0	2671.61	20.9721
23129	1966	57.15	57.15	57.15	57.15	0	3276.68	25.7219
23136	1973	69.85	69.85	69.85	69.85	0	1705.26	13.3863
23137	1974	69.85	69.85	69.85	69.85	0	2115.86	16.6095
23138	1975	69.85	69.85	69.85	69.85	0	2640.26	20.726
23139	1976	69.85	69.85	69.85	69.85	0	3309.98	25.9834
23134	1971	69.85	69.85	69.85	69.85	0	4074.65	31.986
23135	1972	69.85	69.85	69.85	69.85	0	4995.13	39.2118
23142	1979	84.15	84.15	84.15	84.15	0	2315.67	18.178
23143	1980	84.15	84.15	84.15	84.15	0	3206.31	25.1695

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

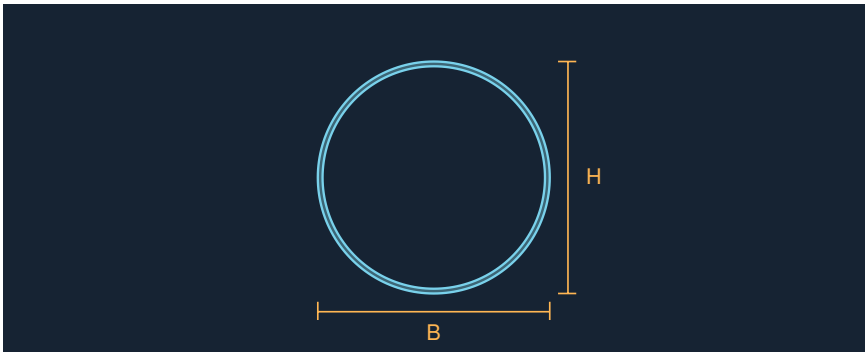
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

7/8

76 catalog variants / entries 61-70. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 168x7,1	168.3	168.3	7.1	7.1	0	0	0
TRON 168x8	168.3	168.3	8	8	0	0	0
TRON 168x10	168.3	168.3	10	10	0	0	0
TRON 168x12,5	168.3	168.3	12.5	12.5	0	0	0
TRON 219x4,5	219.1	219.1	4.5	4.5	0	0	0
TRON 219x5,6	219.1	219.1	5.6	5.6	0	0	0
TRON 219x6,3	219.1	219.1	6.3	6.3	0	0	0
TRON 273x5	273	273	5	5	0	0	0
TRON 273x6,3	273	273	6.3	6.3	0	0	0
TRON 323x5,6	323.9	323.9	5.6	5.6	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23144	1981	84.15	84.15	84.15	84.15	0	3595.62	28.2256
23145	1982	84.15	84.15	84.15	84.15	0	4028.78	31.6259
23140	1977	84.15	84.15	84.15	84.15	0	4973.14	39.0392
23141	1978	84.15	84.15	84.15	84.15	0	6118.25	48.0283
23146	1983	109.55	109.55	109.55	109.55	0	3033.84	23.8156
23147	1984	109.55	109.55	109.55	109.55	0	3756.09	29.4853
23148	1985	109.55	109.55	109.55	109.55	0	4211.74	33.0622
23153	1990	136.5	136.5	136.5	136.5	0	4209.73	33.0464
23154	1991	136.5	136.5	136.5	136.5	0	5278.54	41.4365
23157	1994	161.95	161.95	161.95	161.95	0	5599.83	43.9586

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

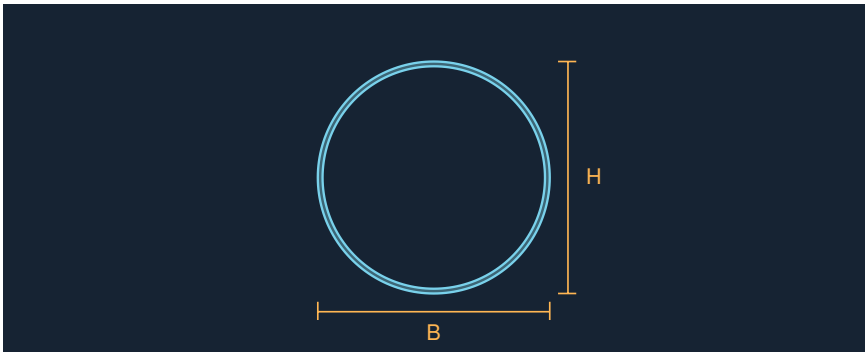
01 / STRUCTURAL PROFILES

Dimensions and variants

TRON

8/8

76 catalog variants / entries 71-76. Lengths: mm; area: mm2; mass: kg/m.



Typical section: TRON 219x4,5

H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

REFERENCE	H	B	EA	ES	RA	RS	GAP
TRON 323x6,3	323.9	323.9	6.3	6.3	0	0	0
TRON 323x7,1	323.9	323.9	7.1	7.1	0	0	0
TRON 355x6,3	355.6	355.6	6.3	6.3	0	0	0
TRON 355x8	355.6	355.6	8	8	0	0	0
TRON 406x6,3	406.4	406.4	6.3	6.3	0	0	0
TRON 406x8	406.4	406.4	8	8	0	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23158	1995	161.95	161.95	161.95	161.95	0	6285.95	49.3447
23159	1996	161.95	161.95	161.95	161.95	0	7066.32	55.4706
23164	2001	177.8	177.8	177.8	177.8	0	6913.36	54.2699
23165	2002	177.8	177.8	177.8	177.8	0	8736.14	68.5787
23168	2005	203.2	203.2	203.2	203.2	0	7918.79	62.1625
23169	2006	203.2	203.2	203.2	203.2	0	10012.9	78.6011

Library contour and stored source dimensions. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

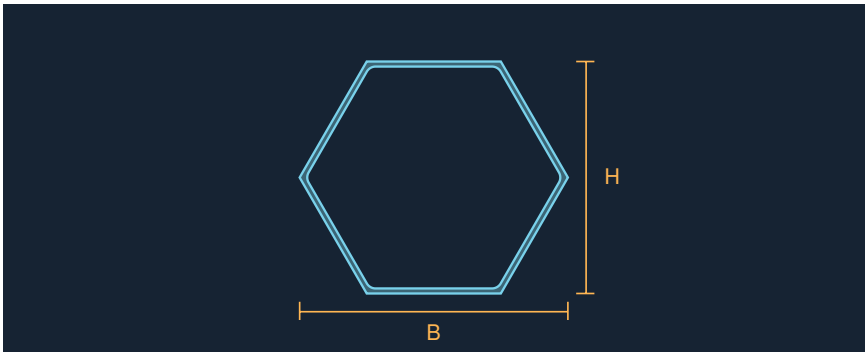
01 / STRUCTURAL PROFILES

Dimensions and variants

THEX

1/2

12 catalog variants / entries 1-10. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: THEX 147x3,2

REFERENCE	H	B	EA	ES	RA	RS	GAP
THEX 87x3,2	87	100	3.2	3.2	6.4	0	0
THEX 87x4,5	87	100	4.5	4.5	12.4	0	0
THEX 87x7,1	87	100	7.1	7.1	24.8	0	0
THEX 104x3,2	104	120	3.2	3.2	6.4	0	0
THEX 104x4,5	104	120	4.5	4.5	12.4	0	0
THEX 104x7,1	104	120	7.1	7.1	24.8	0	0
THEX 130x3,2	130	150	3.2	3.2	6.4	0	0
THEX 130x4,5	130	150	4.5	4.5	12.4	0	0
THEX 130x7,1	130	150	7.1	7.1	24.8	0	0
THEX 147x3,2	147	170	3.2	3.2	6.4	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23033	1865	50	50	43.5	43.5	0	919.026	7.21435
23034	1866	50	50	43.5	43.5	0	1256.59	9.8642
23035	1867	50	50	43.5	43.5	0	1867.83	14.6625
23024	1856	60	60	52	52	0	1107.47	8.69366
23025	1857	60	60	52	52	0	1521.59	11.9445
23026	1858	60	60	52	52	0	2285.95	17.9447
23027	1859	75	75	65	65	0	1395.69	10.9561
23028	1860	75	75	65	65	0	1926.89	15.1261
23029	1861	75	75	65	65	0	2925.42	22.9646
23030	1862	85	85	73.5	73.5	0	1590.74	12.4873

Library contour and stored source dimensions. This representative contour differs from the source area by 2.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

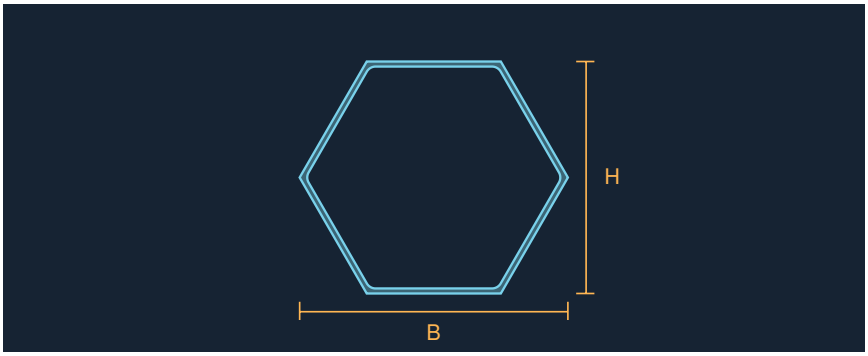
01 / STRUCTURAL PROFILES

Dimensions and variants

THEX

2/2

12 catalog variants / entries 11-12. Lengths: mm; area: mm2; mass: kg/m.



H: height; B: width. EA / ES: web, wall or flange fields. RA / RS: source radii. GAP: component spacing. VY / VPY / VZ / VPZ: extreme-fibre distances. GAMMA: orientation (deg).

Typical section: THEX 147x3,2

REFERENCE	H	B	EA	ES	RA	RS	GAP
THEX 147x4,5	147	170	4.5	4.5	12.4	0	0
THEX 147x7,1	147	170	7.1	7.1	2.48	0	0

AXES, SOURCE IDENTITY AND SECTION PROPERTIES

ID	ROW	VY	VPY	VZ	VPZ	GAMMA deg	AREA mm2	MASS kg/m
23031	1863	85	85	73.5	73.5	0	2191.89	17.2064
23032	1864	85	85	73.5	73.5	0	3349	26.3

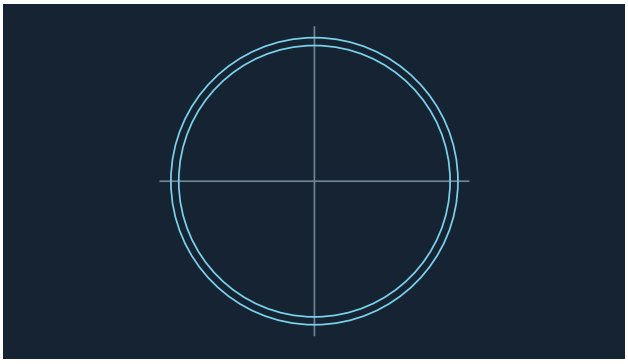
Library contour and stored source dimensions. This representative contour differs from the source area by 2.8%; the SDS nominal preview is retained. Constant-section members. Zero values are retained; no missing radius or compound spacing is invented. Full-precision records are attached as CSV.

02 / PIPES AND FITTINGS

Pipes and elbows

Selected drawable entries from the SDS piping database. Source size, schedule and dimensions accompany the native library drawing.

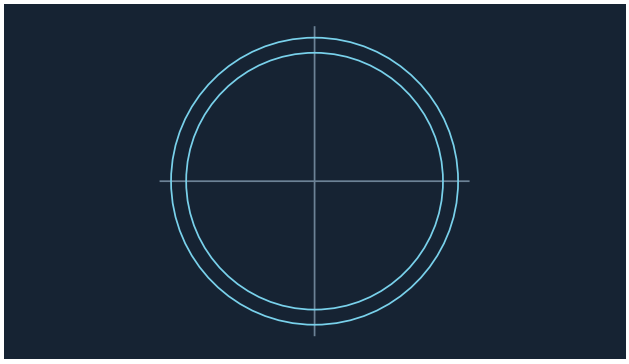
Carbon steel pipe



NPS 2 | Sch 5
CS pipe dimensions
OD 60.3 | wall 1.65 mm

Piping catalog ID 38369018; row 55

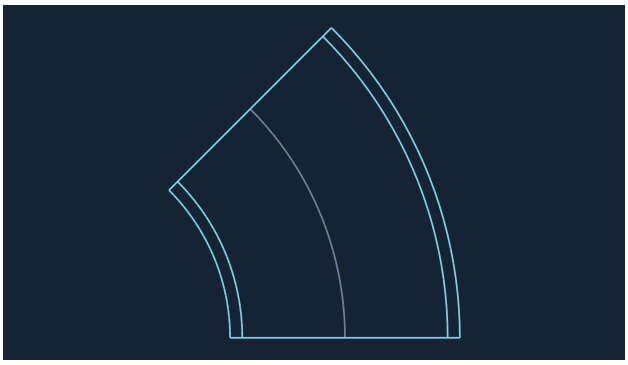
Stainless steel pipe



NPS 4 | Sch 40 S
SS pipe dimensions
OD 114.3 | wall 6.02 mm

Piping catalog ID 2742487; row 60

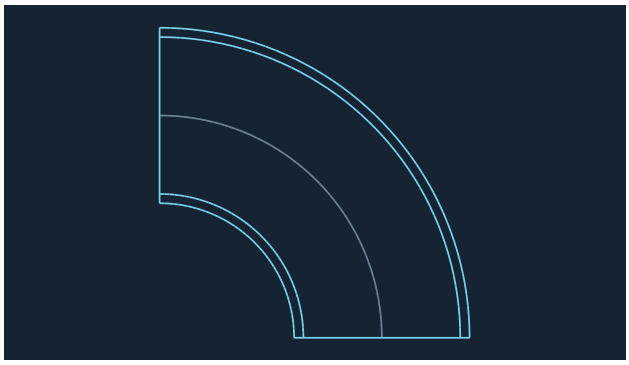
45-degree LR elbow



NPS 2 | Schedule 30
CS 45 LR elbows
OD 60 / A 35 mm | 45 deg

Piping catalog ID 4608068; row 18

90-degree LR elbow



NPS 2 | Schedule 30
CS 90 LR elbows
OD 60 / A 76 mm | 90 deg

Piping catalog ID 96030929; row 18

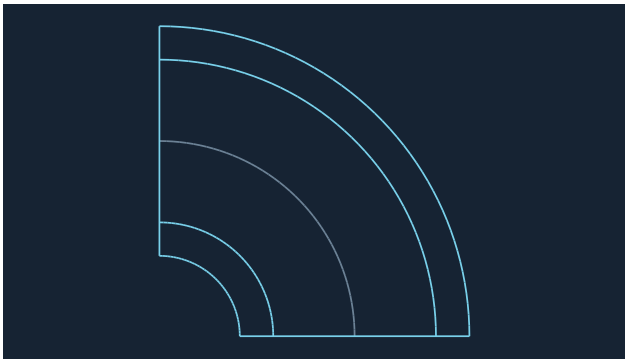
Drawings are nominal sections or envelopes. Tee intersections and reducer transitions are simplified in the library preview. LR = long radius; SR = short radius.

02 / PIPES AND FITTINGS

Returns and tees

Selected drawable entries from the SDS piping database. Source size, schedule and dimensions accompany the native library drawing.

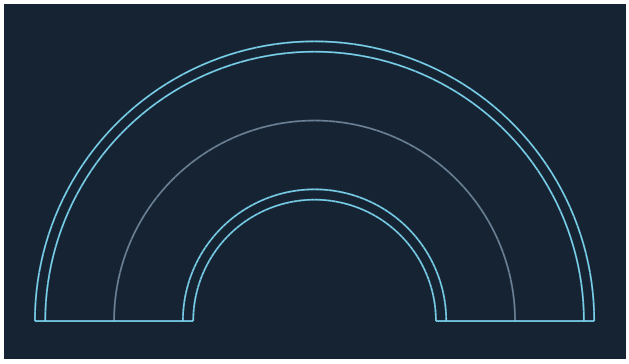
90-degree SR elbow



NPS 2 | Schedule 160
CS 90 SR elbows
OD 60 / A 51 mm | 90 deg

Piping catalog ID 4994613; row 14

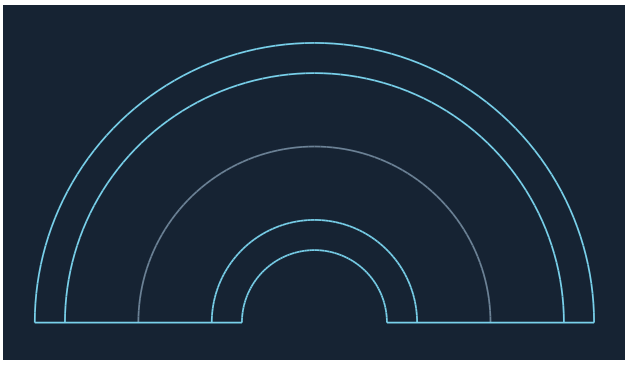
180-degree LR return



NPS 2 | Schedule 40
CS 180 LR returns
OD 60 / A 152 mm | 180 deg

Piping catalog ID 48283478; row 18

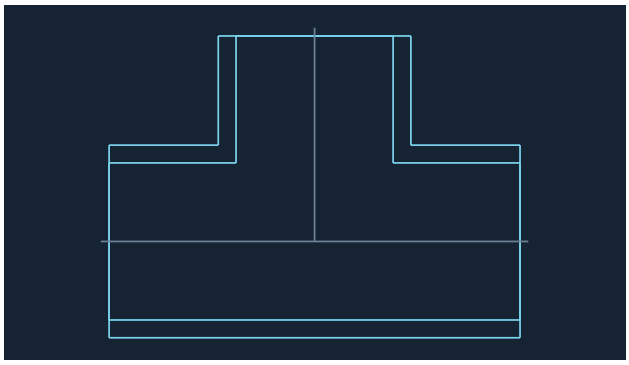
180-degree SR return



NPS 2 | Schedule 160
CS 180 SR returns
OD 60 / A 102 mm | 180 deg

Piping catalog ID 30151424; row 14

Equal tee



NPS 2 | Schedule 80
CS Equal tees
OD 60 / 60 | A 64 B 64 mm

Piping catalog ID 31397937; row 18

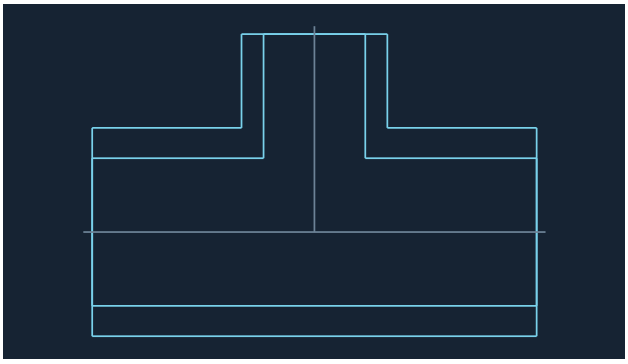
Drawings are nominal sections or envelopes. Tee intersections and reducer transitions are simplified in the library preview. LR = long radius; SR = short radius.

02 / PIPES AND FITTINGS

Reducers and tee variants

Selected drawable entries from the SDS piping database. Source size, schedule and dimensions accompany the native library drawing.

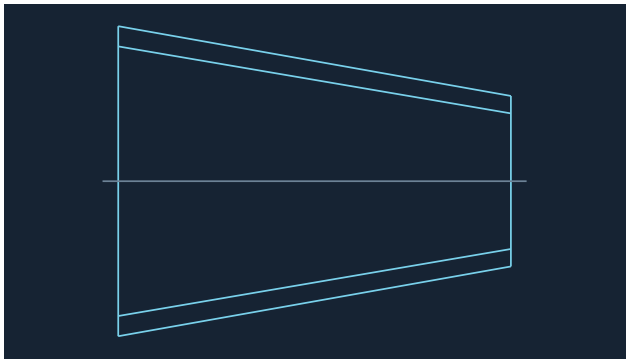
Reducing tee



NPS 2 x 1 1/4 | Schedule 160
CS Reducing tees
OD 60 / 42 | A 64 B 57 mm

Piping catalog ID 9796457; row 50

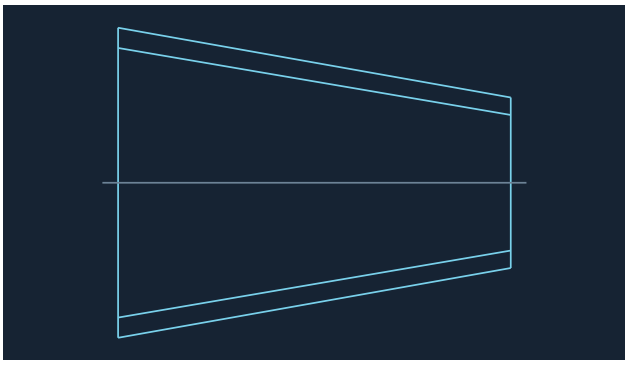
Concentric reducer



NPS 2 x 1 | STD
CS Reducers
OD 60 / 33 | length 76 mm

Piping catalog ID 2005600; row 47

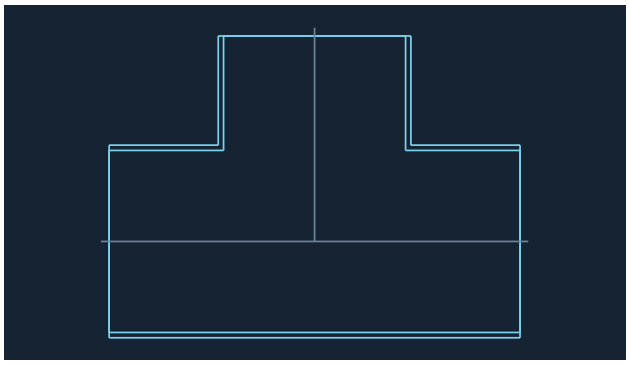
Stainless steel reducer



NPS 2 x 1 | Schedule 40
SS Reducers
OD 60 / 33 | length 76 mm

Piping catalog ID 10450482; row 50

Stainless steel tee



NPS 2 | Schedule 5
SS Equal tees
OD 60 / 60 | A 64 B 64 mm

Piping catalog ID 22703175; row 18

Drawings are nominal sections or envelopes. Tee intersections and reducer transitions are simplified in the library preview. LR = long radius; SR = short radius.

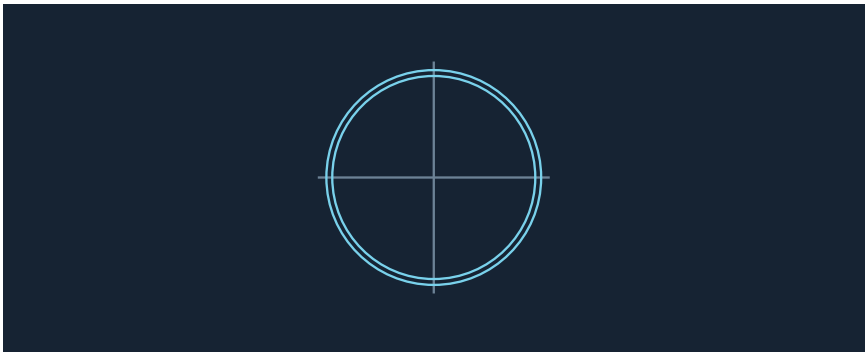
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

1/48

766 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
66613532	1/8	Sch 10	10.3	1.24	0.28
59695303	1/8	Sch 30	10.3	1.45	0.32
90661457	1/8	Sch 40 / STD	10.3	1.73	0.37
219818304	1/8	Sch 80 / XS	10.3	2.41	0.47
135568168	1/4	Sch 10	13.7	1.65	0.49
30840565	1/4	Sch 30	13.7	1.85	0.54
92322475	1/4	Sch 40 / STD	13.7	2.24	0.63
217658465	1/4	Sch 80 / XS	13.7	3.02	0.8
243129101	3/8	Sch 10	17.1	1.65	0.63
93404357	3/8	Sch 30	17.1	1.85	0.7
86619198	3/8	Sch 40 / STD	17.1	2.31	0.84
215120474	3/8	Sch 80 / XS	17.1	3.2	1.1
18886477	1/2	Sch 5	21.3	1.65	0.8
37433634	1/2	Sch 10	21.3	2.11	1
87382314	1/2	Sch 30	21.3	2.41	1.12
98702016	1/2	Sch 40 / STD	21.3	2.77	1.27

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

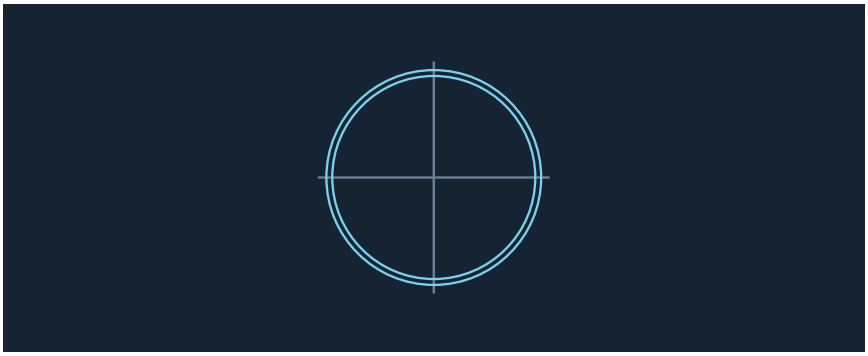
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

2/48

766 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
227057896	1/2	Sch 80 / XS	21.3	3.73	1.62
251879374	1/2	Sch 160	21.3	4.78	1.95
181239535	1/2	Sch – / XXS	21.3	7.47	2.55
231725752	3/4	Sch 5	26.7	1.65	1.03
97660114	3/4	Sch 10	26.7	2.11	1.28
81152221	3/4	Sch 30	26.7	2.41	1.44
112398413	3/4	Sch 40 / STD	26.7	2.87	1.69
195262219	3/4	Sch 80 / XS	26.7	3.91	2.2
198466577	3/4	Sch 160	26.7	5.56	2.9
72185126	3/4	Sch – / XXS	26.7	7.82	3.64
79470461	1	Sch 5	33.4	1.65	1.3
165631678	1	Sch 10	33.4	2.77	2.09
178794191	1	Sch 30	33.4	2.9	2.18
215148878	1	Sch 40 / STD	33.4	3.38	2.5
55701829	1	Sch 80 / XS	33.4	4.55	3.24
150167525	1	Sch 160	33.4	6.35	4.24

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

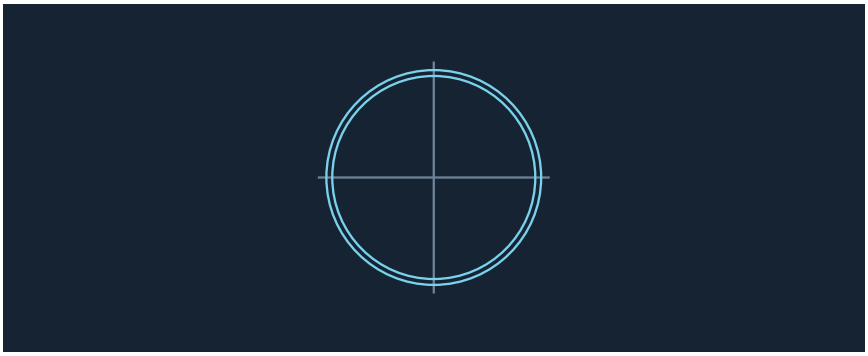
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

3/48

766 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
111184909	1	Sch – / XXS	33.4	9.09	5.45
19700406	1 1/4	Sch 5	42.2	1.65	1.65
217914435	1 1/4	Sch 10	42.2	2.77	2.7
173846900	1 1/4	Sch 30	42.2	2.97	2.87
48587880	1 1/4	Sch 40 / STD	42.2	3.56	3.39
136321619	1 1/4	Sch 80 / XS	42.2	4.85	4.47
232967930	1 1/4	Sch 160	42.2	6.35	5.61
171829243	1 1/4	Sch – / XXS	42.2	9.7	7.77
37223808	1 1/2	Sch 5	48.3	1.65	1.91
1754450	1 1/2	Sch 10	48.3	2.77	3.11
250173276	1 1/2	Sch 30	48.3	3.18	3.53
13834094	1 1/2	Sch 40 / STD	48.3	3.68	4.05
248366120	1 1/2	Sch 80 / XS	48.3	5.08	5.41
138155622	1 1/2	Sch 160	48.3	7.14	7.25
133153082	1 1/2	Sch – / XXS	48.3	10.15	9.56
38369018	2	Sch 5	60.3	1.65	2.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

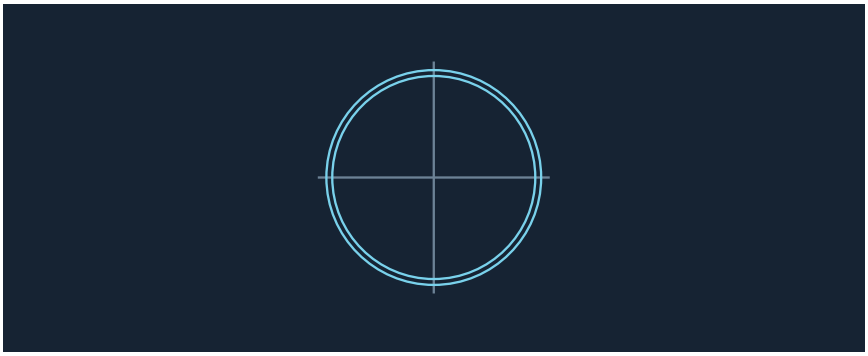
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

4/48

766 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
262944762	2	Sch –	60.3	2.11	3.03
198499681	2	Sch 10	60.3	2.77	3.93
162145404	2	Sch 30	60.3	3.18	4.48
145205291	2	Wall 3,58 mm	60.3	3.58	5.01
136154066	2	Sch 40 / STD	60.3	3.91	5.44
72512734	2	Wall 4,37 mm	60.3	4.37	6.03
49209925	2	Wall 4,78 mm	60.3	4.78	6.54
265708404	2	Sch 80 / XS	60.3	5.54	7.48
178098784	2	Wall 6,35 mm	60.3	6.35	8.45
238921343	2	Wall 7,14 mm	60.3	7.14	9.36
232402274	2	Sch 160	60.3	8.74	11.11
153203881	2	XXS	60.3	11.07	13.44
220807048	2 1/2	Sch 5	73	2.11	3.69
107897916	2 1/2	Sch –	73	2.77	4.8
88054054	2 1/2	Sch 10	73	3.05	5.26
57744174	2 1/2	Sch –	73	3.18	5.48

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

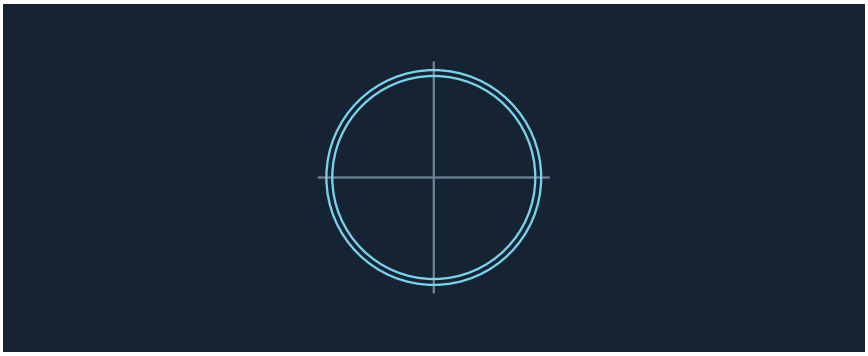
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

5/48

766 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
106381460	2 1/2	Wall 3,58 mm	73	3.58	6.13
108860783	2 1/2	Wall 3,96 mm	73	3.96	6.74
172068610	2 1/2	Wall 4,37 mm	73	4.37	7.4
73747000	2 1/2	Sch 30	73	4.78	8.04
234346996	2 1/2	Sch 40 / STD	73	5.16	8.63
193340926	2 1/2	Wall 5,49 mm	73	5.49	9.14
127560309	2 1/2	Wall 6,35 mm	73	6.35	10.44
222099781	2 1/2	Sch 80 / XS	73	7.01	11.41
135592618	2 1/2	Sch 160	73	9.53	14.92
115502554	2 1/2	XXS	73	14.02	20.39
172726211	3	Sch 5	88.9	2.11	4.52
91732852	3	Sch –	88.9	2.77	5.88
196401212	3	Sch 10	88.9	3.05	6.45
99135877	3	Wall 3,18 mm	88.9	3.18	6.72
176087299	3	Wall 3,58 mm	88.9	3.58	7.53
47347248	3	Wall 3,96 mm	88.9	3.96	8.29

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

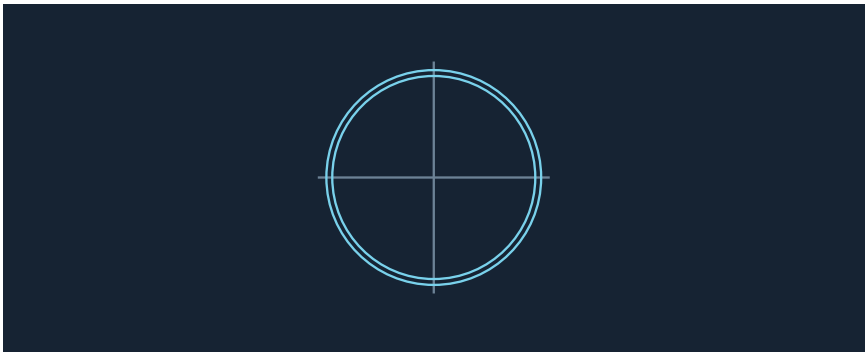
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

6/48

766 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
336023	3	Wall 4,37 mm	88.9	4.37	9.11
74910084	3	Sch 30	88.9	4.78	9.92
243687916	3	Sch 40 / STD	88.9	5.49	11.29
231349613	3	Wall 6,35 mm	88.9	6.35	12.93
194483313	3	Wall 7,14 mm	88.9	7.14	14.4
61061786	3	Sch 80 / XS	88.9	7.62	15.27
45905410	3	Sch 160	88.9	11.13	21.35
126140633	3	XXS	88.9	15.24	27.68
170947043	3 1/2	Sch 5	101.6	2.11	5.18
137403919	3 1/2	Wall 2,77 mm	101.6	2.77	6.75
222628386	3 1/2	Sch 10	101.6	3.05	7.4
162926103	3 1/2	Wall 3,18 mm	101.6	3.18	7.72
144366095	3 1/2	Wall 3,58 mm	101.6	3.58	8.65
154324582	3 1/2	Wall 3,96 mm	101.6	3.96	9.53
254414619	3 1/2	Wall 4,37 mm	101.6	4.37	10.48
190711187	3 1/2	Sch 30	101.6	4.78	11.41

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

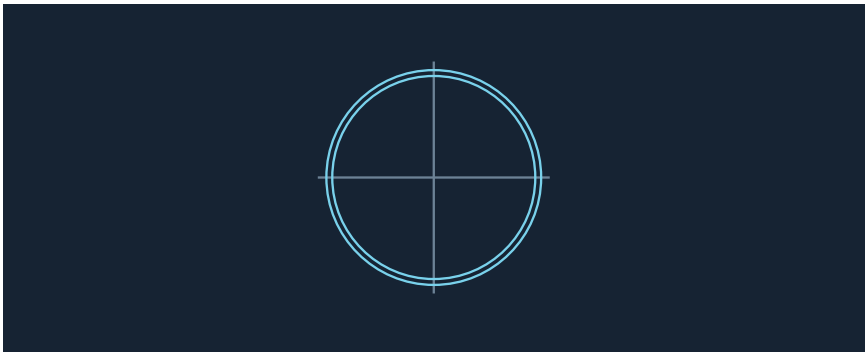
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

7/48

766 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
228553069	3 1/2	Sch 40 / STD	101.6	5.74	13.57
123897965	3 1/2	Wall 6,35 mm	101.6	6.35	14.92
38411391	3 1/2	Wall 7,14 mm	101.6	7.14	16.63
224163440	3 1/2	Sch 80 / XS	101.6	8.08	18.63
158629200	4	Sch 5	114.3	2.11	5.84
47892720	4	Wall 2,77 mm	114.3	2.77	7.62
84487768	4	Sch 10	114.3	3.05	8.36
52437432	4	Wall 3,18 mm	114.3	3.18	8.71
39868048	4	Wall 3,58 mm	114.3	3.58	9.77
153760457	4	Wall 3,96 mm	114.3	3.96	10.78
76470227	4	Wall 4,37 mm	114.3	4.37	11.85
37709461	4	Sch 30	114.3	4.78	12.91
204733712	4	Wall 5,16 mm	114.3	5.16	13.89
185371548	4	Wall 5,56 mm	114.3	5.56	14.91
87715916	4	Sch 40 / STD	114.3	6.02	16.07
59257274	4	Wall 6,35 mm	114.3	6.35	16.9

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

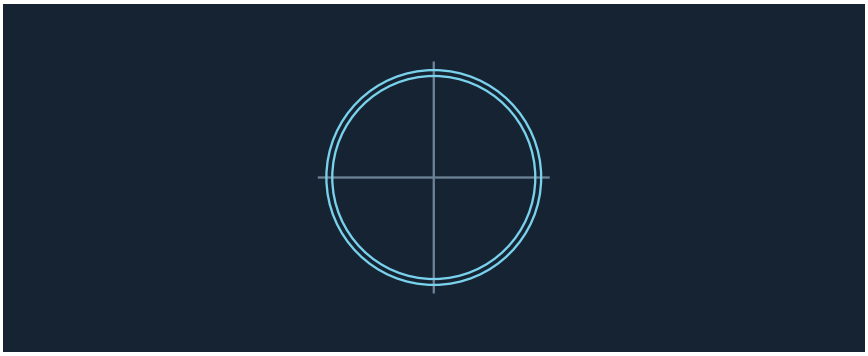
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

8/48

766 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
62785488	4	Wall 7,14 mm	114.3	7.14	18.87
84448325	4	Wall 7,92 mm	114.3	7.92	20.78
183335377	4	Sch 80 / XS	114.3	8.56	22.32
151691137	4	Sch 120	114.3	11.13	28.32
96971249	4	Sch 160	114.3	13.49	33.54
256211653	4	XXS	114.3	17.12	41.03
202419090	5	Wall 2,11 mm	141.3	2.11	7.24
69746854	5	Sch 5	141.3	2.77	9.47
211014861	5	Wall 3,18 mm	141.3	3.18	10.83
251669660	5	Sch 10	141.3	3.4	11.57
218364420	5	Wall 3,96 mm	141.3	3.96	13.41
114941710	5	Wall 4,78 mm	141.3	4.78	16.09
30575483	5	Wall 5,56 mm	141.3	5.56	18.61
82024301	5	Sch 40 / STD	141.3	6.55	21.77
67890568	5	Wall 7,14 mm	141.3	7.14	23.62
146486483	5	Wall 7,92 mm	141.3	7.92	26.05

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

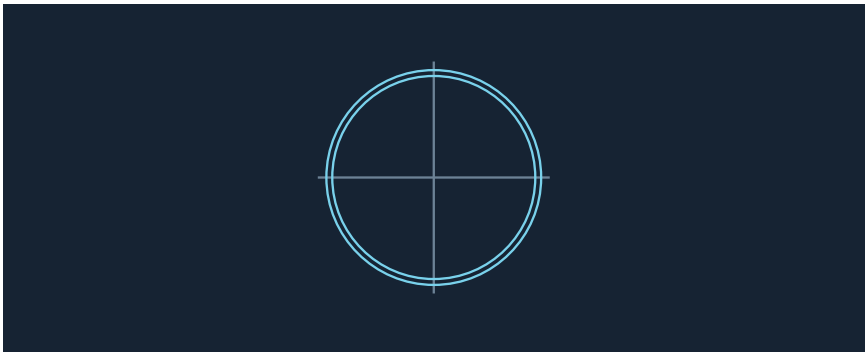
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

9/48

766 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
144921909	5	Wall 8,74 mm	141.3	8.74	28.57
72165358	5	Sch 80 / XS	141.3	9.53	30.97
136670042	5	Sch 120	141.3	12.7	40.28
45570507	5	Sch 160	141.3	15.88	49.11
217546830	5	XXS	141.3	19.05	57.43
82816061	6	Wall 2,11 mm	168.3	2.11	8.65
9274913	6	Sch 5	168.3	2.77	11.31
207734333	6	Wall 3,18 mm	168.3	3.18	12.95
43322387	6	Sch 10	168.3	3.4	13.84
251837978	6	Wall 3,58 mm	168.3	3.58	14.54
145446113	6	Wall 3,96 mm	168.3	3.96	16.05
154094803	6	Wall 4,37 mm	168.3	4.37	17.67
48486419	6	Wall 4,78 mm	168.3	4.78	19.27
206486064	6	Wall 5,16 mm	168.3	5.16	20.76
100898715	6	Wall 5,56 mm	168.3	5.56	22.31
202180982	6	Wall 6,35 mm	168.3	6.35	25.36

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

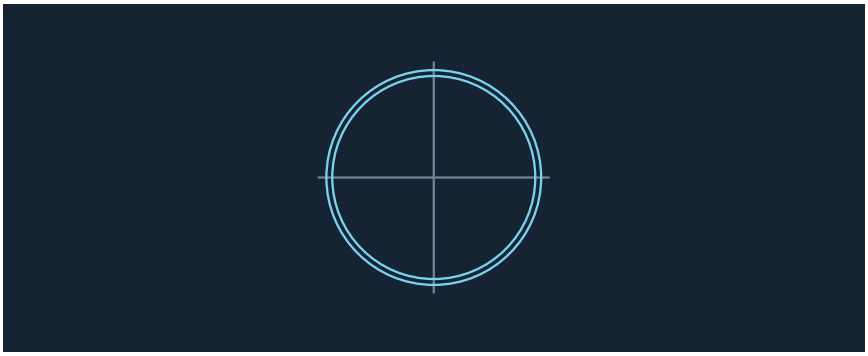
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

10/48

766 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
49916366	6	Sch 40 / STD	168.3	7.11	28.26
109366360	6	Wall 7,92 mm	168.3	7.92	31.32
112043042	6	Wall 8,74 mm	168.3	8.74	34.39
32762814	6	Wall 9,53 mm	168.3	9.53	37.31
90094251	6	Sch 80 / XS	168.3	10.97	42.56
56527801	6	Wall 12,70 mm	168.3	12.7	48.73
97833593	6	Sch 120	168.3	14.27	54.2
27861326	6	Wall 15,88 mm	168.3	15.88	59.69
263702599	6	Sch 160	168.3	18.26	67.56
12786520	6	Wall 19,05 mm	168.3	19.05	70.11
57097090	6	XXS	168.3	21.95	79.22
26019352	6	Wall 22,23 mm	168.3	22.23	80.07
131642309	8	Sch 5	219.1	2.77	14.79
122400958	8	Wall 3,18 mm	219.1	3.18	16.93
226376204	8	Sch 10	219.1	3.76	19.96
251320858	8	Wall 3,96 mm	219.1	3.96	21.01

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

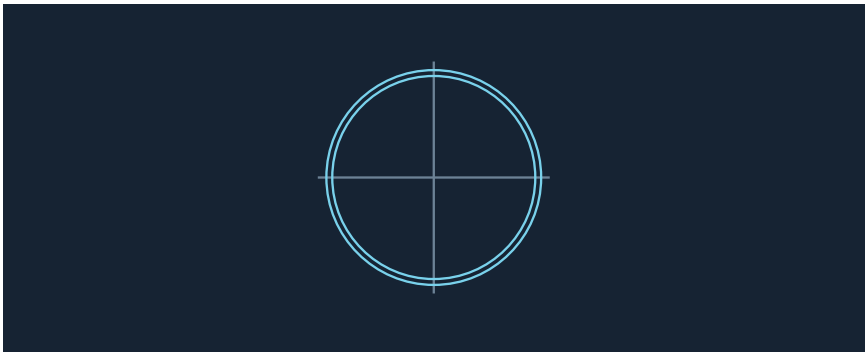
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

11/48

766 catalog variants / entries 161-176. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
240313337	8	Wall 4,78 mm	219.1	4.78	25.26
116818448	8	Wall 5,16 mm	219.1	5.16	27.22
231453028	8	Wall 5,56 mm	219.1	5.56	29.28
69226897	8	Sch 20	219.1	6.35	33.31
42859511	8	Sch 30	219.1	7.04	36.81
22097083	8	Wall 7,92 mm	219.1	7.92	41.24
182526687	8	Sch 40 / STD	219.1	8.18	42.55
14998811	8	Wall 8,74 mm	219.1	8.74	45.34
208021791	8	Wall 9,53 mm	219.1	9.53	49.25
29215316	8	Sch 60	219.1	10.31	53.08
162654460	8	Wall 11,13 mm	219.1	11.13	57.08
197143945	8	Sch 80 / XS	219.1	12.7	64.64
78004554	8	Wall 14,27 mm	219.1	14.27	72.08
185159672	8	Sch 100	219.1	15.09	75.92
42843858	8	Wall 15,88 mm	219.1	15.88	79.58
225237341	8	Sch 120	219.1	18.26	90.44

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

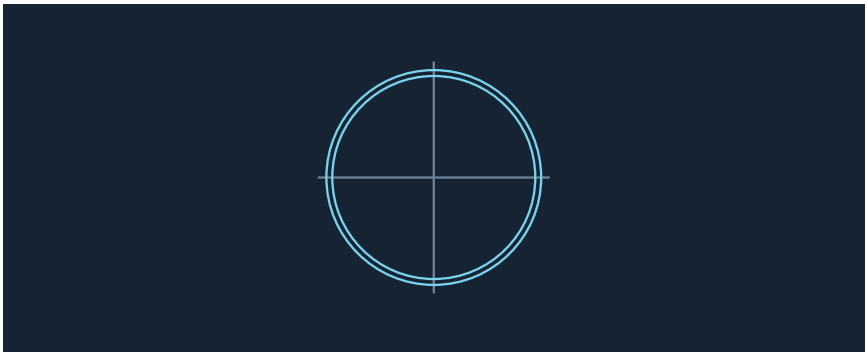
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

12/48

766 catalog variants / entries 177-192. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
247582774	8	Wall 19,05 mm	219.1	19.05	93.98
202298303	8	Sch 140	219.1	20.62	100.92
252033690	8	XXS	219.1	22.23	107.92
239513734	8	Sch 160	219.1	23.01	111.27
176294951	8	Wall 25,40 mm	219.1	25.4	121.33
217051136	10	Sch 5	273	3.4	22.63
62850153	10	Wall 3,96 mm	273	3.96	26.28
233438909	10	Sch 10	273	4.19	27.78
73539429	10	Wall 4,78 mm	273	4.78	31.63
84561597	10	Wall 5,16 mm	273	5.16	34.09
200461534	10	Wall 5,56 mm	273	5.56	36.68
213200754	10	Sch 20	273	6.35	41.77
169517669	10	Wall 7,09 mm	273	7.09	46.51
192097818	10	Sch 30	273	7.8	51.03
242732843	10	Wall 8,74 mm	273	8.74	56.98
141371089	10	Sch 40 / STD	273	9.27	60.31

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

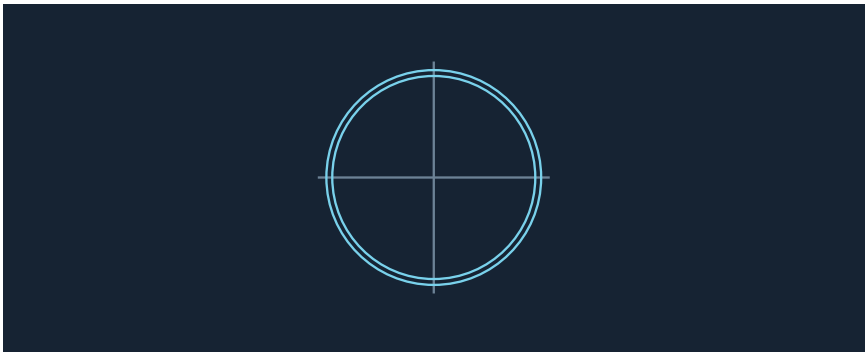
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

13/48

766 catalog variants / entries 193-208. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

Typical drawing: NPS 2 | Sch 5

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
234144194	10	Wall 11,13 mm	273	11.13	71.9
50135268	10	Sch 60 / XS	273	12.7	81.55
238515055	10	Wall 14,27 mm	273	14.27	91.08
50396902	10	Sch 80	273	15.09	96.01
75741906	10	Wall 15,88 mm	273	15.88	100.73
51117535	10	Sch 100	273	18.26	114.75
175414441	10	Wall 20,62 mm	273	20.62	128.38
96910111	10	Sch 120	273	21.44	133.06
240231670	10	Wall 22,23 mm	273	22.23	137.52
152483966	10	Wall 23,83 mm	273	23.83	146.48
51431112	10	Sch 140 / XXS	273	25.4	155.15
254468414	10	Sch 160	273	28.58	172.33
225038397	10	Wall 31,75 mm	273	31.75	188.97
260395668	12	Sch 5	323.8	3.96	31.25
107679632	12	Wall 4,37 mm	323.8	4.37	34.43
93103636	12	Sch 10	323.8	4.57	36

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

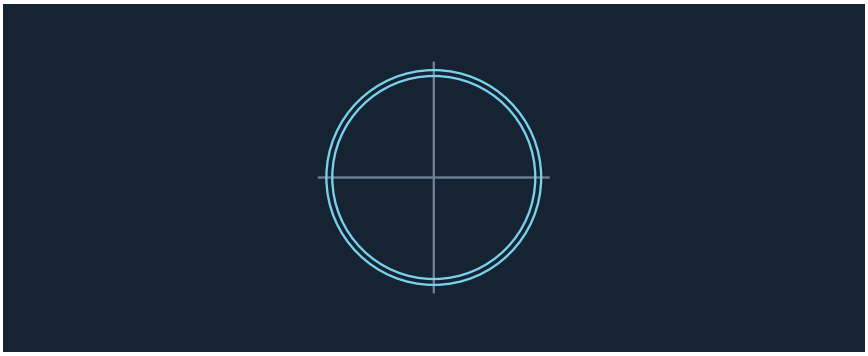
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

14/48

766 catalog variants / entries 209-224. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
99516897	12	Wall 4,78 mm	323.8	4.78	37.62
188240630	12	Wall 5,16 mm	323.8	5.16	40.56
40884409	12	Wall 5,56 mm	323.8	5.56	43.65
144234298	12	Sch 20	323.8	6.35	49.73
160420041	12	Wall 7,14 mm	323.8	7.14	55.77
193330903	12	Wall 7,92 mm	323.8	7.92	61.71
90625879	12	Sch 30	323.8	8.38	65.2
173617311	12	Wall 8,74 mm	323.8	8.74	67.93
150027430	12	STD	323.8	9.53	73.88
104201303	12	Sch 40	323.8	10.31	79.73
45593066	12	Wall 11,13 mm	323.8	11.13	85.84
208776132	12	XS	323.8	12.7	97.46
125150792	12	Sch 60	323.8	14.27	108.96
158939794	12	Wall 15,88 mm	323.8	15.88	120.62
191359720	12	Sch 80	323.8	17.48	132.08
236902972	12	Wall 19,05 mm	323.8	19.05	143.21

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

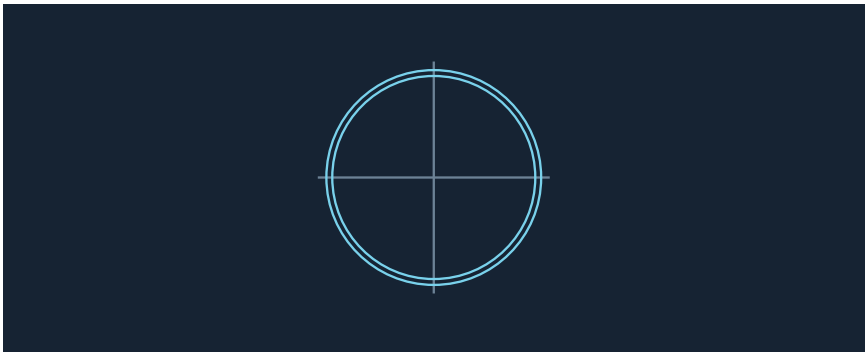
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

15/48

766 catalog variants / entries 225-240. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
240622694	12	Wall 20,62 mm	323.8	20.62	154.21
78748396	12	Sch 100	323.8	21.44	159.91
87251886	12	Wall 22,23 mm	323.8	22.23	165.37
47310183	12	Wall 23,83 mm	323.8	23.83	176.33
250840771	12	Sch 120 / XXS	323.8	25.4	186.97
192938021	12	Wall 26,97 mm	323.8	26.97	197.48
67332146	12	Sch 140	323.8	28.58	208.14
239473084	12	Wall 31,75 mm	323.8	31.75	228.74
236434642	12	Sch 160	323.8	33.32	238.76
143664093	14	Sch 5	355.6	3.96	34.36
6372725	14	Wall 4,78 mm	355.6	4.78	41.35
251481863	14	Wall 5,16 mm	355.6	5.16	44.59
242750118	14	Wall 5,33 mm	355.6	5.33	46.04
94486325	14	Wall 5,56 mm	355.6	5.56	47.99
67402028	14	Sch 10	355.6	6.35	54.69
4368824	14	Wall 7,14 mm	355.6	7.14	61.35

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

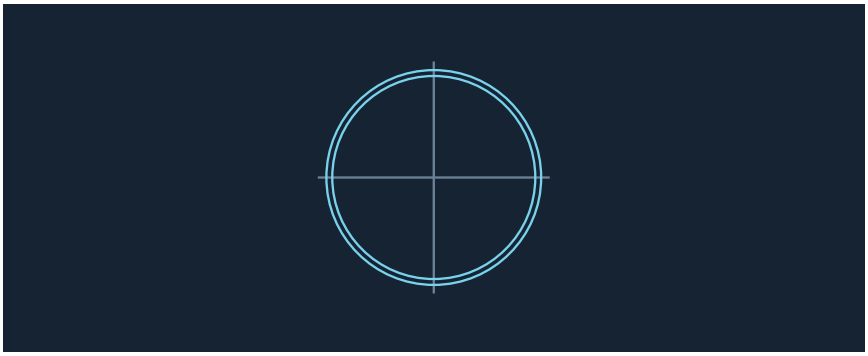
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

16/48

766 catalog variants / entries 241-256. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
234734683	14	Sch 20	355.6	7.92	67.9
204431240	14	Wall 8,74 mm	355.6	8.74	74.76
163762111	14	Sch 30 / STD	355.6	9.53	81.33
5993290	14	Wall 10,31 mm	355.6	10.31	87.79
229502440	14	Sch 40	355.6	11.13	94.55
155391475	14	Wall 11,91 mm	355.6	11.91	100.94
93203163	14	XS	355.6	12.7	107.39
223713055	14	Wall 14,27 mm	355.6	14.27	120.11
87396371	14	Sch 60	355.6	15.09	126.71
138152891	14	Wall 15,88 mm	355.6	15.88	133.03
185542260	14	Wall 17,48 mm	355.6	17.48	145.75
204578280	14	Sch 80	355.6	19.05	158.1
170340491	14	Wall 20,62 mm	355.6	20.62	170.33
199750702	14	Wall 22,23 mm	355.6	22.23	182.75
218737501	14	Sch 100	355.6	23.83	194.96
5288396	14	Wall 25,40 mm	355.6	25.4	206.83

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

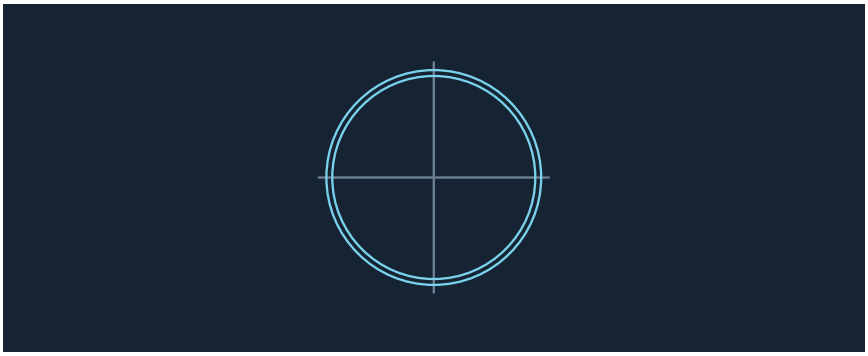
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

17/48

766 catalog variants / entries 257-272. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
63276583	14	Wall 26,97 mm	355.6	26.97	218.57
160399821	14	Sch 120	355.6	27.79	224.65
89327299	14	Wall 28,58 mm	355.6	28.58	230.48
187723014	14	Sch 140	355.6	31.75	253.56
151235227	14	Sch 160	355.6	35.71	281.7
131887557	14	Wall 50,80 mm	355.6	50.8	381.83
193470937	14	Wall 53,98 mm	355.6	53.98	401.5
95768361	14	Wall 55,88 mm	355.6	55.88	413.01
52453068	14	Wall 63,50 mm	355.6	63.5	457.4
224453209	16	Sch 5	406.4	4.19	41.56
198989544	16	Wall 4,78 mm	406.4	4.78	47.34
228339165	16	Wall 5,16 mm	406.4	5.16	51.06
43859683	16	Wall 5,56 mm	406.4	5.56	54.96
216212100	16	Sch 10	406.4	6.35	62.64
108033192	16	Wall 7,14 mm	406.4	7.14	70.3
38104872	16	Sch 20	406.4	7.92	77.83

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

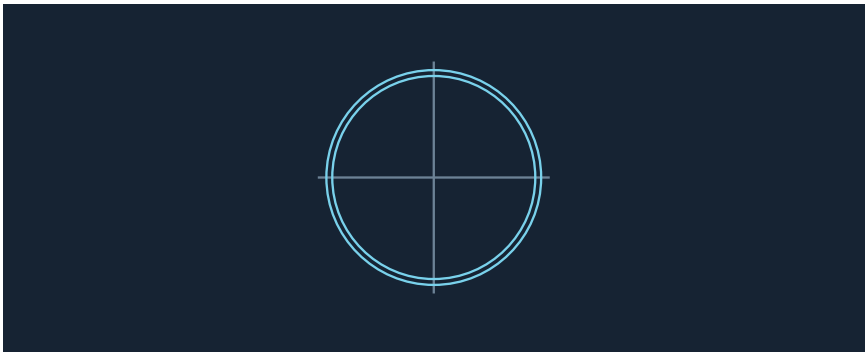
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

18/48

766 catalog variants / entries 273-288. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
54647361	16	Wall 8,74 mm	406.4	8.74	85.71
50595583	16	Sch 30 / STD	406.4	9.53	93.27
35197582	16	Wall 10,31 mm	406.4	10.31	100.7
54713342	16	Wall 11,13 mm	406.4	11.13	108.49
190388329	16	Wall 11,91 mm	406.4	11.91	115.86
182993056	16	Sch 40 / XS	406.4	12.7	123.3
155584928	16	Wall 14,27 mm	406.4	14.27	137.99
236104268	16	Wall 15,88 mm	406.4	15.88	152.93
141332138	16	Sch 60	406.4	16.66	160.12
157352988	16	Wall 17,48 mm	406.4	17.48	167.65
127275928	16	Wall 19,05 mm	406.4	19.05	181.97
13908222	16	Wall 20,62 mm	406.4	20.62	196.16
190366002	16	Sch 80	406.4	21.44	203.53
135726497	16	Wall 22,23 mm	406.4	22.23	210.6
158405229	16	Wall 23,83 mm	406.4	23.83	224.82
94737474	16	Wall 25,40 mm	406.4	25.4	238.64

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

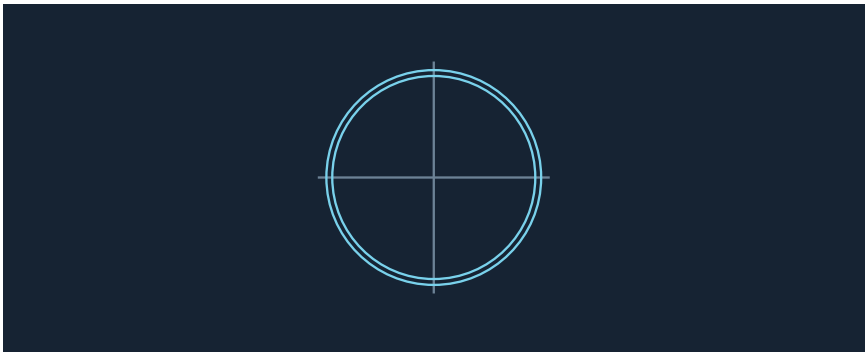
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

19/48

766 catalog variants / entries 289-304. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
29184946	16	Sch 100	406.4	26.19	245.56
94203680	16	Wall 26,97 mm	406.4	26.97	252.35
688992	16	Wall 28,58 mm	406.4	28.58	266.28
97191013	16	Wall 30,18 mm	406.4	30.18	280
169015455	16	Sch 120	406.4	30.96	286.64
178513645	16	Wall 31,75 mm	406.4	31.75	293.33
229690859	16	Sch 140	406.4	36.53	333.19
172605976	16	Sch 160	406.4	40.49	365.35
95277443	18	Sch 5	457	4.19	46.81
191984148	18	Wall 4,78 mm	457	4.78	53.31
212321241	18	Wall 5,56 mm	457	5.56	61.9
184930025	18	Sch 10	457	6.35	70.57
247999510	18	Wall 7,14 mm	457	7.14	79.21
248302191	18	Sch 20	457	7.92	87.71
186573694	18	Wall 8,74 mm	457	8.74	96.61
108066854	18	STD	457	9.53	105.16

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

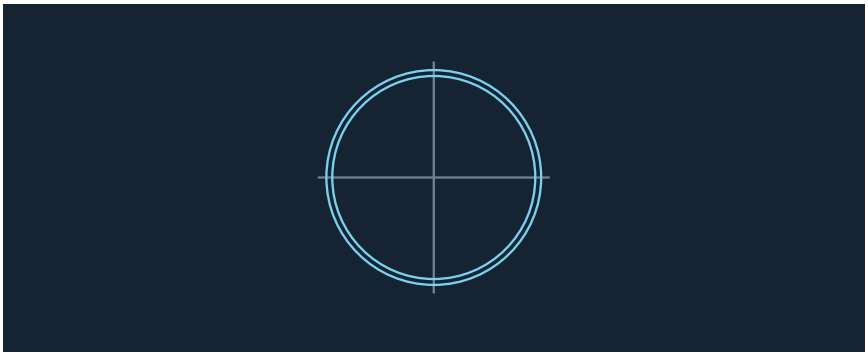
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

20/48

766 catalog variants / entries 305-320. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
45625806	18	Wall 10,31 mm	457	10.31	113.57
63343806	18	Sch 30	457	11.13	122.38
185489959	18	Wall 11,91 mm	457	11.91	130.72
192357217	18	XS	457	12.7	139.15
89480868	18	Sch 40	457	14.27	155.8
257800452	18	Wall 15,88 mm	457	15.88	172.74
168044526	18	Wall 17,48 mm	457	17.48	189.46
220721683	18	Sch 60	457	19.05	205.74
33798942	18	Wall 20,62 mm	457	20.62	221.89
125211711	18	Wall 22,23 mm	457	22.23	238.34
44007088	18	Sch 80	457	23.83	254.55
32400094	18	Wall 25,40 mm	457	25.4	270.34
68568571	18	Wall 26,97 mm	457	26.97	286
62583039	18	Wall 28,58 mm	457	28.58	301.94
220311712	18	Sch 100	457	29.36	309.62
242305053	18	Wall 30,18 mm	457	30.18	317.66

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

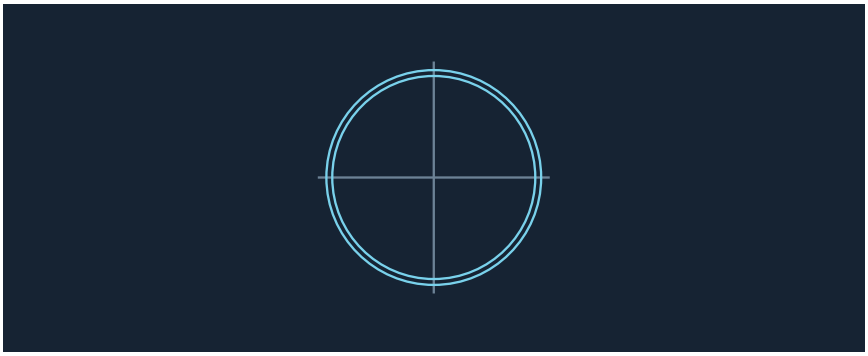
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

21/48

766 catalog variants / entries 321-336. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
115512204	18	Wall 31,75 mm	457	31.75	332.95
149605871	18	Sch 120	457	34.93	363.56
138281274	18	Sch 140	457	39.67	408.26
166603133	18	Sch 160	457	45.24	459.37
94995594	20	Sch 5	508	4.78	59.25
38931324	20	Wall 5,56 mm	508	5.56	68.89
49202672	20	Sch 10	508	6.35	78.55
32226266	20	Wall 7,14 mm	508	7.14	88.19
98783299	20	Wall 7,92 mm	508	7.92	97.67
71939286	20	Wall 8,74 mm	508	8.74	107.6
234352620	20	Sch 20 / STD	508	9.53	117.15
42645454	20	Wall 10,31 mm	508	10.31	126.53
239630176	20	Wall 11,13 mm	508	11.13	136.37
64649856	20	Wall 11,91 mm	508	11.91	145.7
134098060	20	Sch 30 / XS	508	12.7	155.12
154087997	20	Wall 14,27 mm	508	14.27	173.74

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

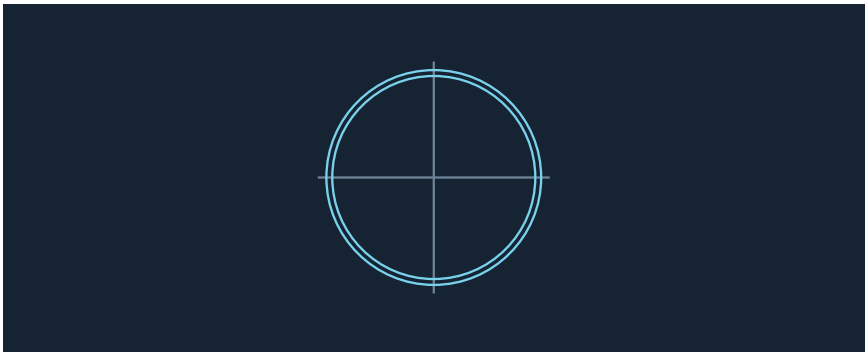
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

22/48

766 catalog variants / entries 337-352. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
111879399	20	Sch 40	508	15.09	183.42
79848117	20	Wall 15,88 mm	508	15.88	192.71
228554535	20	Wall 17,48 mm	508	17.48	211.44
93222398	20	Wall 19,05 mm	508	19.05	229.7
102782059	20	Sch 60	508	20.62	247.83
109610564	20	Wall 22,23 mm	508	22.23	266.29
108777754	20	Wall 23,83 mm	508	23.83	284.52
116102449	20	Wall 25,40 mm	508	25.4	302.28
26148510	20	Sch 80	508	26.19	311.17
117199841	20	Wall 26,97 mm	508	26.97	319.92
73550837	20	Wall 28,58 mm	508	28.58	337.89
210364829	20	Wall 30,18 mm	508	30.18	355.61
43914776	20	Wall 31,75 mm	508	31.75	372.88
51144834	20	Sch 100	508	32.54	381.53
263071507	20	Wall 33,32 mm	508	33.32	390.03
140001866	20	Wall 34,93 mm	508	34.93	407.49

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

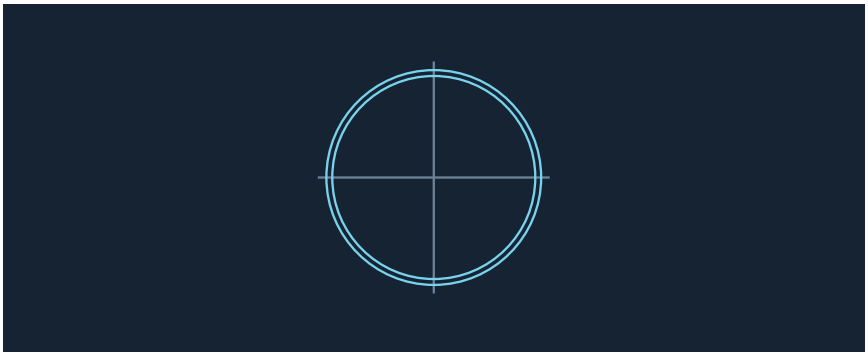
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

23/48

766 catalog variants / entries 353-368. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
191022944	20	Sch 120	508	38.1	441.49
47718694	20	Sch 140	508	44.45	508.11
131430184	20	Sch 160	508	50.01	564.81
174310470	22	Sch 5	559	4.78	65.24
182261352	22	Wall 5,56 mm	559	5.56	75.88
243502138	22	Sch 10	559	6.35	86.54
251863284	22	Wall 7,14 mm	559	7.14	97.17
78636749	22	Wall 7,92 mm	559	7.92	107.63
239101771	22	Wall 8,74 mm	559	8.74	118.6
48849559	22	Sch 20 / STD	559	9.53	129.13
46644723	22	Wall 10,31 mm	559	10.31	139.5
105569528	22	Wall 11,13 mm	559	11.13	150.37
92528789	22	Wall 11,91 mm	559	11.91	160.68
180598763	22	Sch 30 / XS	559	12.7	171.09
27559722	22	Wall 14,27 mm	559	14.27	191.69
101686217	22	Wall 15,88 mm	559	15.88	212.69

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

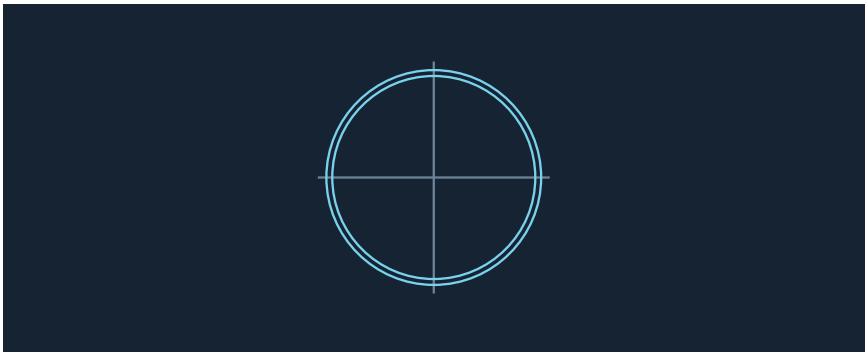
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

24/48

766 catalog variants / entries 369-384. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
213149433	22	Wall 17,48 mm	559	17.48	233.43
89279112	22	Wall 19,05 mm	559	19.05	253.65
217250636	22	Wall 20,62 mm	559	20.62	273.76
73306190	22	Sch 60	559	22.23	294.25
232184232	22	Wall 23,83 mm	559	23.83	314.49
252095864	22	Wall 25,40 mm	559	25.4	334.23
12396328	22	Wall 26,97 mm	559	26.97	353.84
89501945	22	Sch 80	559	28.58	373.83
56828950	22	Wall 30,18 mm	559	30.18	393.57
56548504	22	Wall 31,75 mm	559	31.75	412.81
54966572	22	Wall 33,32 mm	559	33.32	431.94
195399627	22	Sch 100	559	34.93	451.42
226193523	22	Wall 36,53 mm	559	36.53	470.66
169221685	22	Wall 38,10 mm	559	38.1	489.41
85340603	22	Sch 120	559	41.28	527.02
10693643	22	Sch 140	559	47.63	600.63

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

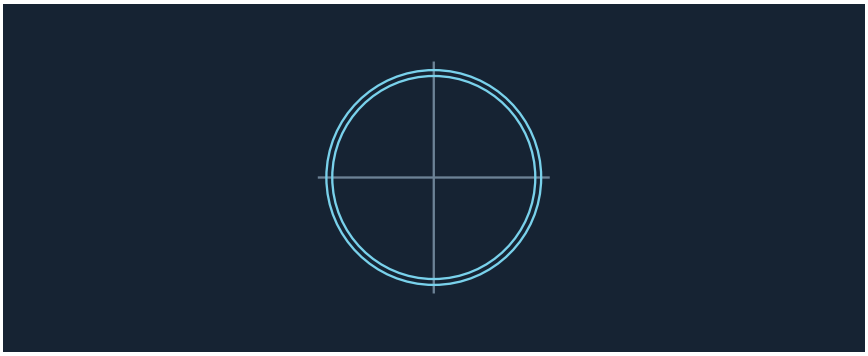
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

25/48

766 catalog variants / entries 385-400. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
211169131	22	Sch 160	559	53.98	672.26
100908425	24	Sch 5	610	5.54	82.47
224703348	24	Sch 10	610	6.35	94.53
84879748	24	Wall 7,14 mm	610	7.14	106.15
137458135	24	Wall 7,92 mm	610	7.92	117.59
47063609	24	Wall 8,74 mm	610	8.74	129.59
77803856	24	Sch 20 / STD	610	9.53	141.12
21319792	24	Wall 10,31 mm	610	10.31	152.47
70045881	24	Wall 11,13 mm	610	11.13	164.37
184736151	24	Wall 11,91 mm	610	11.91	175.66
264064869	24	XS	610	12.7	187.06
38060722	24	Sch 30	610	14.27	209.64
175917795	24	Wall 15,88 mm	610	15.88	232.66
245887502	24	Sch 40	610	17.48	255.41
41517659	24	Wall 19,05 mm	610	19.05	277.61
51650999	24	Wall 20,62 mm	610	20.62	299.69

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

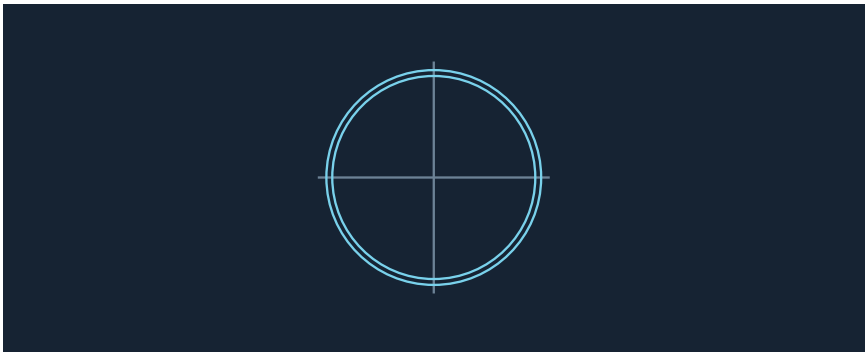
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

26/48

766 catalog variants / entries 401-416. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
258836214	24	Wall 22,23 mm	610	22.23	322.21
226457730	24	Wall 23,83 mm	610	23.83	344.46
101525702	24	Sch 60	610	24.61	355.26
76999657	24	Wall 25,40 mm	610	25.4	366.17
232046258	24	Wall 26,97 mm	610	26.97	387.76
259757254	24	Wall 28,58 mm	610	28.58	409.77
58965800	24	Wall 30,18 mm	610	30.18	431.52
91911996	24	Sch 80	610	30.96	442.08
196823891	24	Wall 31,75 mm	610	31.75	452.74
248349446	24	Wall 33,32 mm	610	33.32	473.84
232260900	24	Wall 34,93 mm	610	34.93	495.35
250775874	24	Wall 36,53 mm	610	36.53	516.8
113335121	24	Wall 38,10 mm	610	38.1	537.33
99201272	24	Sch 100	610	38.89	547.71
213361597	24	Wall 39,67 mm	610	39.67	557.43
96161138	24	Sch 120	610	46.02	640.03

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

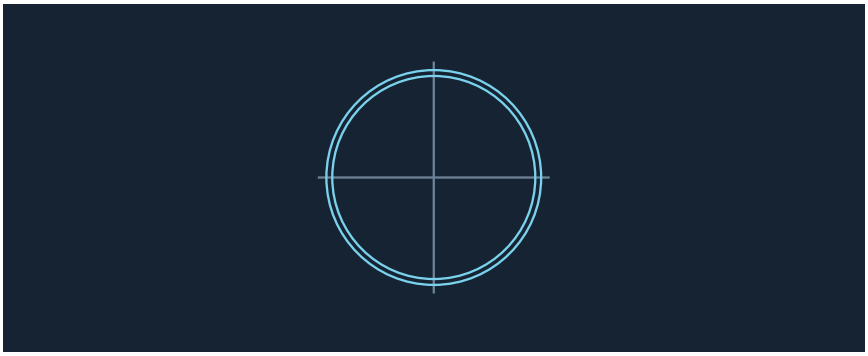
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

27/48

766 catalog variants / entries 417-432. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
43407518	24	Sch 140	610	52.37	720.15
129199135	24	Sch 160	610	59.54	808.22
99079214	26	Wall 6,35 mm	660	6.35	102.36
163429990	26	Wall 7,14 mm	660	7.14	114.95
4884824	26	Sch 10	660	7.92	127.36
224804253	26	Wall 8,74 mm	660	8.74	140.37
64425742	26	STD	660	9.53	152.87
209883530	26	Wall 10,31 mm	660	10.31	165.18
200835861	26	Wall 11,13 mm	660	11.13	178.09
239937825	26	Wall 11,91 mm	660	11.91	190.34
216993974	26	Sch 20 / XS	660	12.7	202.72
71767949	26	Wall 14,27 mm	660	14.27	227.23
136749171	26	Wall 15,88 mm	660	15.88	252.24
5617717	26	Wall 17,48 mm	660	17.48	276.96
254492632	26	Wall 19,05 mm	660	19.05	301.1
85326699	26	Wall 20,62 mm	660	20.62	325.12

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

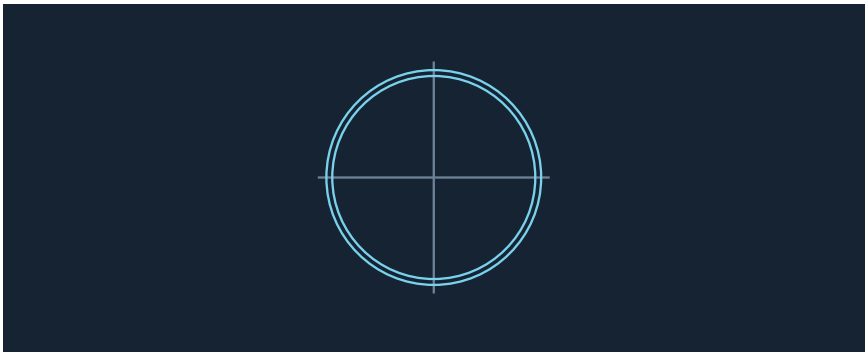
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

28/48

766 catalog variants / entries 433-448. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
221365689	26	Wall 22,23 mm	660	22.23	349.62
77844252	26	Wall 23,83 mm	660	23.83	373.84
151225301	26	Wall 25,40 mm	660	25.4	397.49
260967486	28	Wall 6,35 mm	711	6.35	110.34
60064053	28	Wall 7,14 mm	711	7.14	123.93
179214802	28	Sch 10	711	7.92	137.32
103160539	28	Wall 8,74 mm	711	8.74	151.36
15025248	28	STD	711	9.53	164.85
64176612	28	Wall 10,31 mm	711	10.31	178.15
76146180	28	Wall 11,13 mm	711	11.13	192.09
246627513	28	Wall 11,91 mm	711	11.91	205.32
200458712	28	Sch 20 / XS	711	12.7	218.69
57333713	28	Wall 14,27 mm	711	14.27	245.18
14718716	28	Sch 30	711	15.88	271.21
49144405	28	Wall 17,48 mm	711	17.48	298.95
88381462	28	Wall 19,05 mm	711	19.05	325.06

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

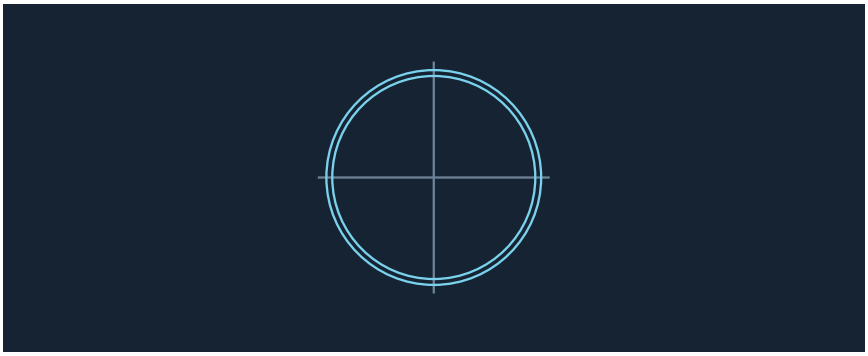
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

29/48

766 catalog variants / entries 449-464. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
177552616	28	Wall 20,62 mm	711	20.62	351.05
256094640	28	Wall 22,23 mm	711	22.23	377.58
161999429	28	Wall 23,83 mm	711	23.83	403.81
126368946	28	Wall 25,40 mm	711	25.4	429.44
119867048	30	Wall 6,35 mm	762	6.35	118.33
238841732	30	Wall 7,14 mm	762	7.14	132.91
54098589	30	Sch 10	762	7.92	147.28
251773612	30	Wall 8,74 mm	762	8.74	162.35
135611588	30	STD	762	9.53	176.84
70847435	30	Wall 10,31 mm	762	10.31	191.11
7380482	30	Wall 11,13 mm	762	11.13	206.09
129753826	30	Wall 11,91 mm	762	11.91	220.3
55204485	30	Sch 20 / XS	762	12.7	234.67
216265651	30	Wall 14,27 mm	762	14.27	263.12
203444474	30	Sch 30	762	15.88	292.18
64464531	30	Wall 17,48 mm	762	17.48	320.93

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

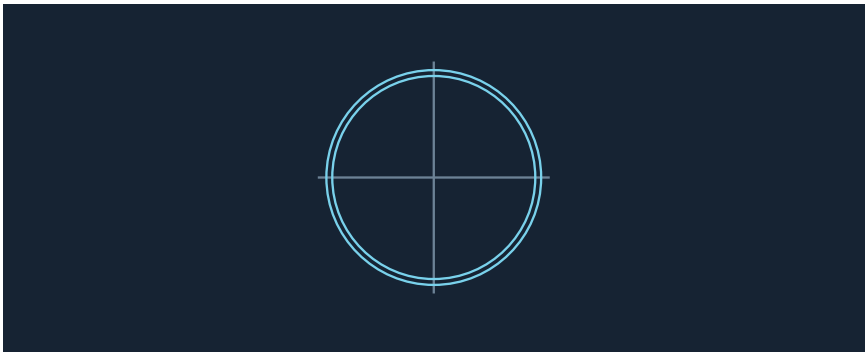
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

30/48

766 catalog variants / entries 465-480. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
90816514	30	Wall 19,05 mm	762	19.05	349.02
29064853	30	Wall 20,62 mm	762	20.62	376.98
99601209	30	Wall 22,23 mm	762	22.23	405.54
202996350	30	Wall 23,83 mm	762	23.83	433.78
55796527	30	Wall 25,40 mm	762	25.4	461.38
108660754	30	Wall 26,97 mm	762	26.97	488.85
90776044	30	Wall 28,58 mm	762	28.58	516.9
857579	30	Wall 30,18 mm	762	30.18	544.65
232395268	30	Wall 31,75 mm	762	31.75	571.75
133621200	32	Wall 6,35 mm	813	6.35	126.31
118791102	32	Wall 7,14 mm	813	7.14	141.89
62134005	32	Sch 10	813	7.92	157.24
105111379	32	Wall 8,74 mm	813	8.74	173.34
115601255	32	STD	813	9.53	188.82
259813573	32	Wall 10,31 mm	813	10.31	204.08
120965737	32	Wall 11,13 mm	813	11.13	220.08

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

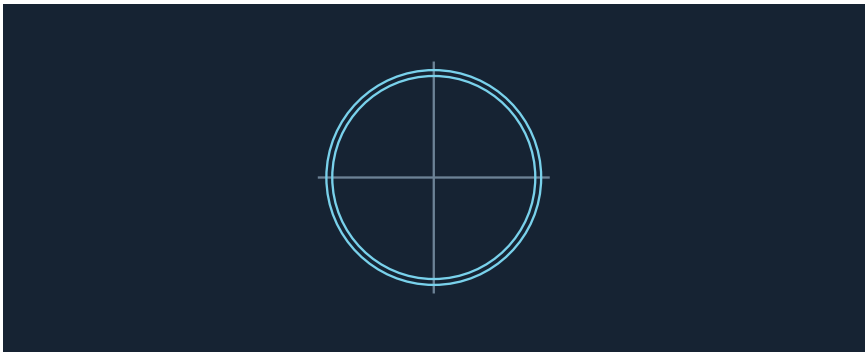
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

31/48

766 catalog variants / entries 481-496. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
28645959	32	Wall 11,91 mm	813	11.91	235.28
48835462	32	Sch 20 / XS	813	12.7	250.64
167635722	32	Wall 14,27 mm	813	14.27	281.07
72120778	32	Sch 30	813	15.88	312.15
174064897	32	Sch 40	813	17.48	342.91
73417709	32	Wall 19,05 mm	813	19.05	372.98
18136292	32	Wall 20,62 mm	813	20.62	402.92
256089256	32	Wall 22,23 mm	813	22.23	433.49
3495961	32	Wall 23,83 mm	813	23.83	463.75
248529618	32	Wall 25,40 mm	813	25.4	493.32
105428065	32	Wall 26,97 mm	813	26.97	522.77
19008754	32	Wall 28,58 mm	813	28.58	552.85
237476361	32	Wall 30,18 mm	813	30.18	582.61
40838397	32	Wall 31,75 mm	813	31.75	611.68
241726613	34	Wall 6,35 mm	864	6.35	134.3
123237887	34	Wall 7,14 mm	864	7.14	150.87

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

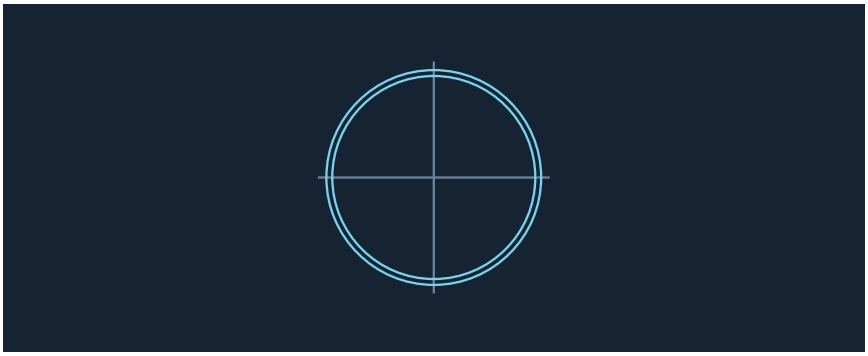
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

32/48

766 catalog variants / entries 497-512. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
196577850	34	Sch 10	864	7.92	167.2
24094628	34	Wall 8,74 mm	864	8.74	184.33
223591706	34	STD	864	9.53	200.31
61085637	34	Wall 10,31 mm	864	10.31	217.05
249812854	34	Wall 11,13 mm	864	11.13	234.08
24198142	34	Wall 11,91 mm	864	11.91	250.26
109575833	34	Sch 20 / XS	864	12.7	266.61
200186751	34	Wall 14,27 mm	864	14.27	299.02
124722557	34	Sch 30	864	15.88	332.12
109689442	34	Sch 40	864	17.48	364.9
2445198	34	Wall 19,05 mm	864	19.05	396.93
8575220	34	Wall 20,62 mm	864	20.62	428.85
138348821	34	Wall 22,23 mm	864	22.23	461.45
21437929	34	Wall 23,83 mm	864	23.83	493.72
255695792	34	Wall 25,40 mm	864	25.4	525.27
5334797	34	Wall 26,97 mm	864	26.97	556.69

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

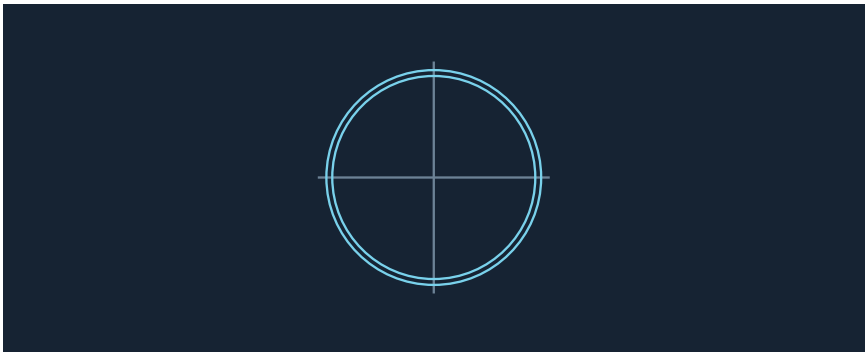
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

33/48

766 catalog variants / entries 513-528. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
39771551	34	Wall 28,58 mm	864	28.58	588.79
247050468	34	Wall 30,18 mm	864	30.18	620.56
251461114	34	Wall 31,75 mm	864	31.75	651.61
164692812	36	Wall 6,35 mm	914	6.35	142.13
1973681	36	Wall 7,14 mm	914	7.14	159.67
185314690	36	Sch 10	914	7.92	176.96
75538031	36	Wall 8,74 mm	914	8.74	195.11
142989621	36	STD	914	9.53	212.56
76939014	36	Wall 10,31 mm	914	10.31	229.76
84435072	36	Wall 11,13 mm	914	11.13	247.31
53690541	36	Wall 11,91 mm	914	11.91	264.94
240871369	36	Sch 20 / XS	914	12.7	282.27
186884464	36	Wall 14,27 mm	914	14.27	316.11
26755780	36	Sch 30	914	15.88	351.7
250443303	36	Wall 17,48 mm	914	17.48	386.45
229342603	36	Sch 40	914	19.05	420.42

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

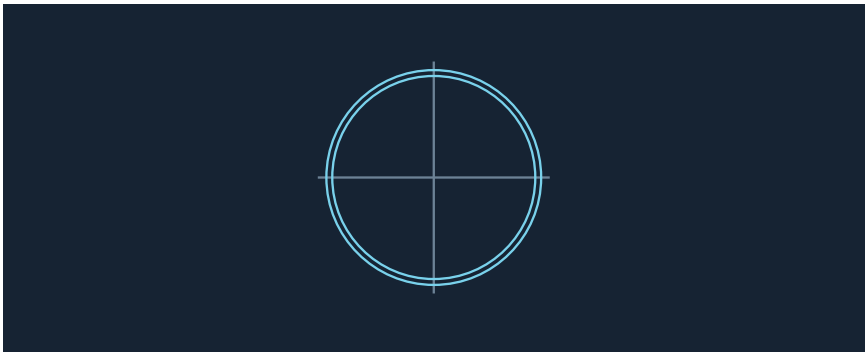
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

34/48

766 catalog variants / entries 529-544. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
208927555	36	Wall 20,62 mm	914	20.62	454.27
11615542	36	Wall 22,23 mm	914	22.23	488.86
178154783	36	Wall 23,83 mm	914	23.83	523.11
97228272	36	Wall 25,40 mm	914	25.4	556.59
160267715	36	Wall 26,97 mm	914	26.97	589.95
74097909	36	Wall 28,58 mm	914	28.58	624.03
23897141	36	Wall 30,18 mm	914	30.18	657.77
95370340	36	Wall 31,75 mm	914	31.75	690.76
206574371	38	Wall 7,92 mm	965	7.92	186.92
72423463	38	Wall 8,74 mm	965	8.74	206.1
14094913	38	STD	965	9.53	224.54
38539413	38	Wall 10,31 mm	965	10.31	242.72
222767529	38	Wall 11,13 mm	965	11.13	261.8
86657725	38	Wall 11,91 mm	965	11.91	279.92
97595890	38	XS	965	12.7	298.24
35517183	38	Wall 14,27 mm	965	14.27	334.56

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

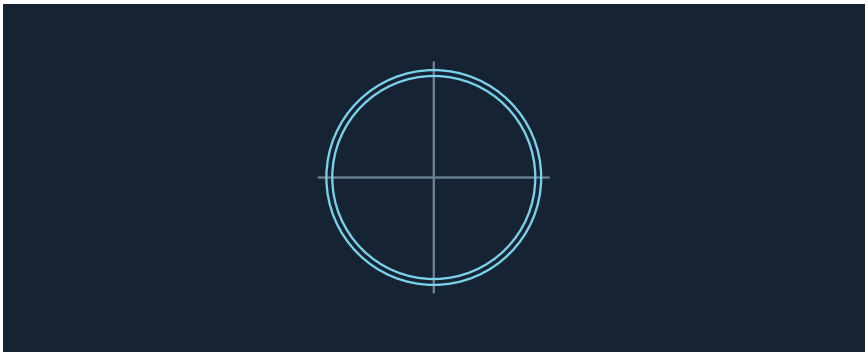
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

35/48

766 catalog variants / entries 545-560. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
51554559	38	Wall 15,88 mm	965	15.88	371.68
163291987	38	Wall 17,48 mm	965	17.48	408.43
200482497	38	Wall 19,05 mm	965	19.05	444.38
252479341	38	Wall 20,62 mm	965	20.62	480.21
247034064	38	Wall 22,23 mm	965	22.23	516.82
35268242	38	Wall 23,83 mm	965	23.83	553.08
124541655	38	Wall 25,40 mm	965	25.4	588.53
194496242	38	Wall 26,97 mm	965	26.97	623.87
144732153	38	Wall 28,58 mm	965	28.58	659.97
266051175	38	Wall 30,18 mm	965	30.18	695.73
45237428	38	Wall 31,75 mm	965	31.75	730.69
81140618	40	Wall 7,92 mm	1016	7.92	196.89
226680354	40	Wall 8,74 mm	1016	8.74	217.09
238416390	40	STD	1016	9.53	236.53
225059383	40	Wall 10,31 mm	1016	10.31	255.69
80924885	40	Wall 11,13 mm	1016	11.13	275.8

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

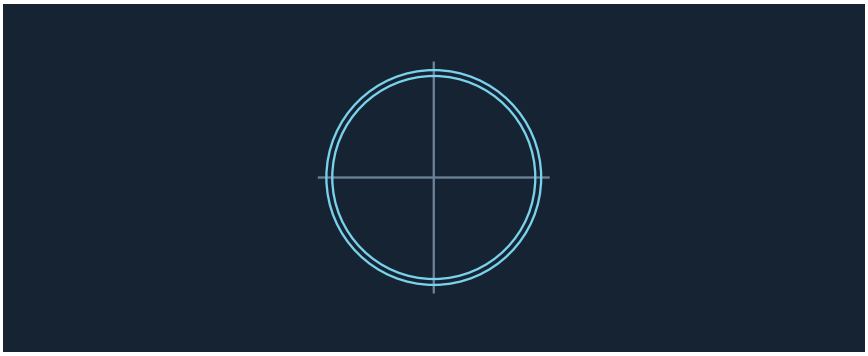
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

36/48

766 catalog variants / entries 561-576. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
246790009	40	Wall 11,91 mm	1016	11.91	294.9
195119100	40	XS	1016	12.7	314.22
70933091	40	Wall 14,27 mm	1016	14.27	352.51
116459749	40	Wall 15,88 mm	1016	15.88	391.65
76752184	40	Wall 17,48 mm	1016	17.48	430.42
103720176	40	Wall 19,05 mm	1016	19.05	468.34
232243822	40	Wall 20,62 mm	1016	20.62	506.14
183965513	40	Wall 22,23 mm	1016	22.23	544.78
257362496	40	Wall 23,83 mm	1016	23.83	583.05
166525932	40	Wall 25,40 mm	1016	25.4	620.48
82322558	40	Wall 26,97 mm	1016	26.97	657.78
232213131	40	Wall 28,58 mm	1016	28.58	695.92
84308789	40	Wall 30,18 mm	1016	30.18	733.68
191585980	40	Wall 31,75 mm	1016	31.75	770.62
266734894	42	Wall 8,74 mm	1067	8.74	228.09
75437505	42	STD	1067	9.53	248.52

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

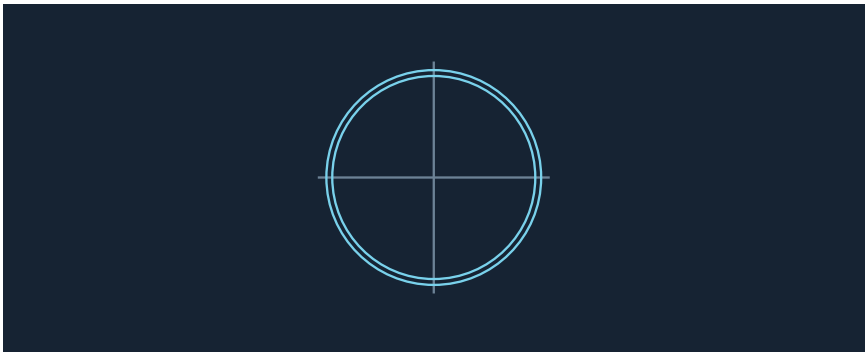
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

37/48

766 catalog variants / entries 577-592. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
260549446	42	Wall 10,31 mm	1067	10.31	268.66
66398749	42	Wall 11,13 mm	1067	11.13	289.8
69362764	42	Wall 11,91 mm	1067	11.91	309.88
162746470	42	XS	1067	12.7	330.19
184308519	42	Wall 14,27 mm	1067	14.27	370.45
14591210	42	Wall 15,88 mm	1067	15.88	411.62
47780356	42	Wall 17,48 mm	1067	17.48	452.4
54472042	42	Wall 19,05 mm	1067	19.05	492.3
151830082	42	Wall 20,62 mm	1067	20.62	532.07
65987670	42	Wall 22,23 mm	1067	22.23	572.73
132021492	42	Wall 23,83 mm	1067	23.83	613.02
161562006	42	Wall 25,40 mm	1067	25.4	652.42
208534935	42	Wall 26,97 mm	1067	26.97	691.7
152343539	42	Wall 28,58 mm	1067	28.58	731.86
134407638	42	Wall 30,18 mm	1067	30.18	771.64
18308464	42	Wall 31,75 mm	1067	31.75	810.55

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

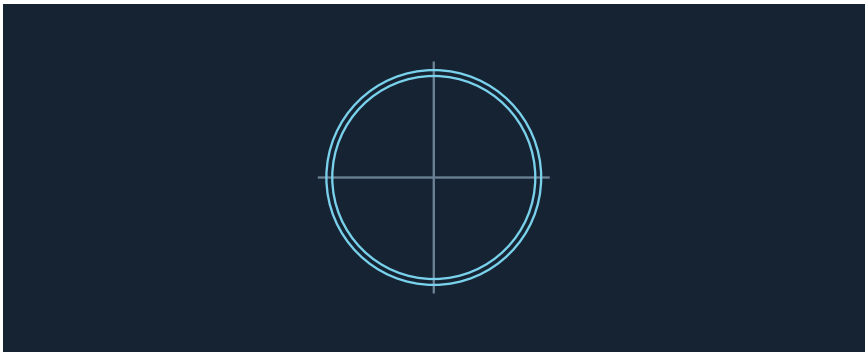
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

38/48

766 catalog variants / entries 593-608. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
18950647	44	Wall 8,74 mm	1118	8.74	239.08
7254785	44	STD	1118	9.53	260.5
42479919	44	Wall 10,31 mm	1118	10.31	281.62
117933557	44	Wall 11,13 mm	1118	11.13	303.8
215352899	44	Wall 11,91 mm	1118	11.91	324.8
152504245	44	XS	1118	12.7	346.16
186842244	44	Wall 14,27 mm	1118	14.27	388.4
39469871	44	Wall 15,88 mm	1118	15.88	431.59
120482650	44	Wall 17,48 mm	1118	17.48	474.37
124319695	44	Wall 19,05 mm	1118	19.05	516.26
81474480	44	Wall 20,62 mm	1118	20.62	558
246238006	44	Wall 22,23 mm	1118	22.23	600.69
198159193	44	Wall 23,83 mm	1118	23.83	642.99
100301206	44	Wall 25,40 mm	1118	25.4	684.37
91773016	44	Wall 26,97 mm	1118	26.97	725.62
83700141	44	Wall 28,58 mm	1118	28.58	767.8

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

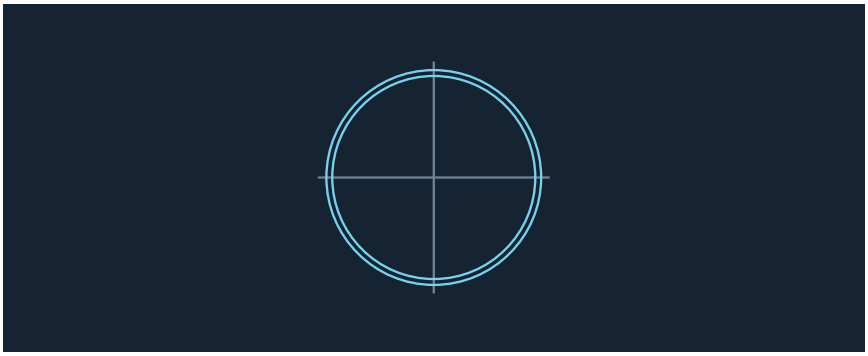
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

39/48

766 catalog variants / entries 609-624. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

Typical drawing: NPS 2 | Sch 5

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
259066173	44	Wall 30,18 mm	1118	30.18	809.6
23245891	44	Wall 31,75 mm	1118	31.75	850.48
169744379	46	Wall 8,74 mm	1168	8.74	249.85
4549238	46	STD	1168	9.53	272.25
266411075	46	Wall 10,31 mm	1168	10.31	294.34
6072646	46	Wall 11,13 mm	1168	11.13	317.52
231950998	46	Wall 11,91 mm	1168	11.91	339.54
141951907	46	XS	1168	12.7	351.82
21193429	46	Wall 14,27 mm	1168	14.27	406
231084338	46	Wall 15,88 mm	1168	15.88	451.17
193587478	46	Wall 17,48 mm	1168	17.48	495.94
196111501	46	Wall 19,05 mm	1168	19.05	539.76
30969070	46	Wall 20,62 mm	1168	20.62	583.43
258707149	46	Wall 22,23 mm	1168	22.23	628.1
147376384	46	Wall 23,83 mm	1168	23.83	672.37
97285954	46	Wall 25,40 mm	1168	25.4	715.68

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

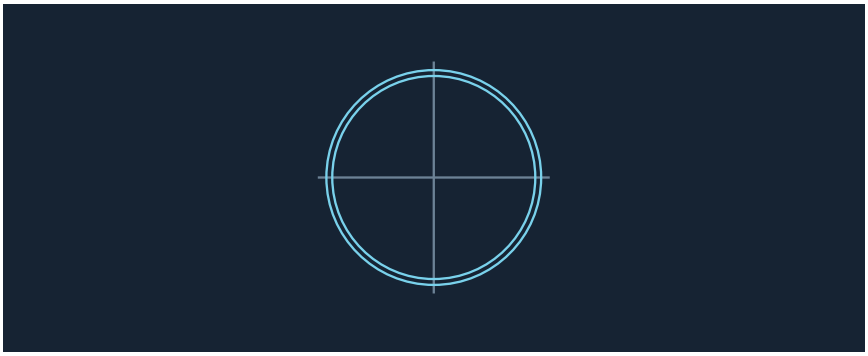
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

40/48

766 catalog variants / entries 625-640. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
96906994	46	Wall 26,97 mm	1168	26.97	758.88
154846109	46	Wall 28,58 mm	1168	28.58	803.04
179401283	46	Wall 30,18 mm	1168	30.18	846.81
30626997	46	Wall 31,75 mm	1168	31.75	889.63
170074222	48	Wall 8,74 mm	1219	8.74	260.85
39383497	48	STD	1219	9.53	284.24
176141480	48	Wall 10,31 mm	1219	10.31	307.3
263743573	48	Wall 11,13 mm	1219	11.13	331.52
219073175	48	Wall 11,91 mm	1219	11.91	354.52
88961139	48	XS	1219	12.7	377.79
226596983	48	Wall 14,27 mm	1219	14.27	423.94
8431224	48	Wall 15,88 mm	1219	15.88	471.14
76428870	48	Wall 17,48 mm	1219	17.48	517.92
104118028	48	Wall 19,05 mm	1219	19.05	563.7
265813078	48	Wall 20,62 mm	1219	20.62	609.36
64440494	48	Wall 22,23 mm	1219	22.23	656.06

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

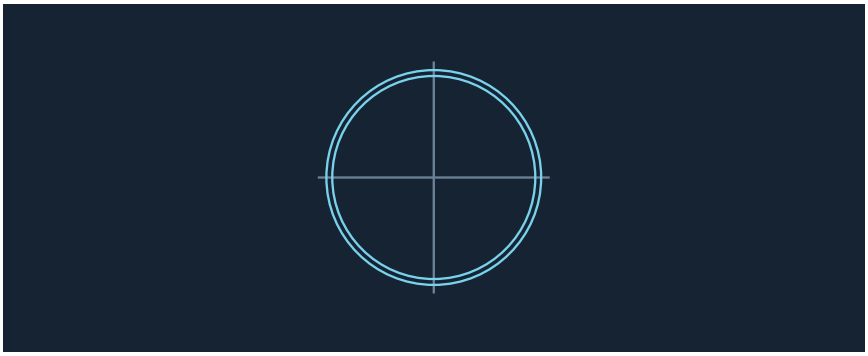
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

41/48

766 catalog variants / entries 641-656. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
207590805	48	Wall 23,83 mm	1219	23.83	702.34
154194378	48	Wall 25,40 mm	1219	25.4	747.63
259854337	48	Wall 26,97 mm	1219	26.97	792.8
97931366	48	Wall 28,58 mm	1219	28.58	838.99
244177523	48	Wall 30,18 mm	1219	30.18	884.77
264844294	48	Wall 31,75 mm	1219	31.75	929.56
242676487	52	STD	1321	9.53	308.21
73587876	52	Wall 10,31 mm	1321	10.31	333.24
120653075	52	Wall 11,13 mm	1321	11.13	359.51
94403914	52	Wall 11,91 mm	1321	11.91	384.48
214000801	52	XS	1321	12.7	409.64
79228314	52	Wall 14,27 mm	1321	14.27	459.84
4470370	52	Wall 15,88 mm	1321	15.88	511.09
258277408	52	Wall 17,48 mm	1321	17.48	561.89
132883668	52	Wall 19,05 mm	1321	19.05	611.62
1346380	52	Wall 20,62 mm	1321	20.62	661.23

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

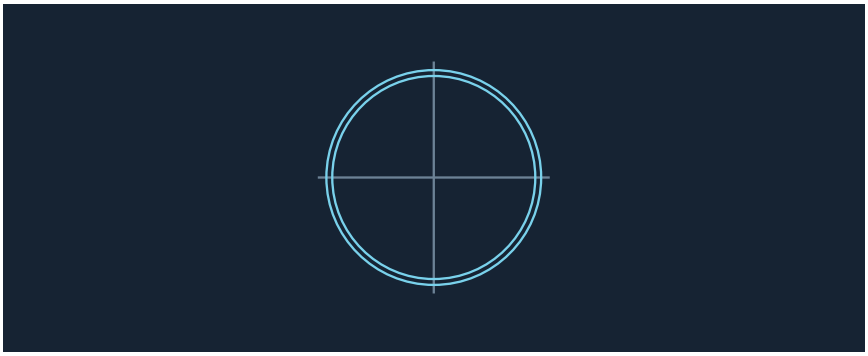
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

42/48

766 catalog variants / entries 657-672. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
63166478	52	Wall 22,23 mm	1321	22.23	711.98
58381917	52	Wall 23,83 mm	1321	23.83	762.28
154340949	52	Wall 25,40 mm	1321	25.4	811.52
8288084	52	Wall 26,97 mm	1321	26.97	860.63
191823176	52	Wall 28,58 mm	1321	28.58	910.88
225560397	52	Wall 30,18 mm	1321	30.18	960.68
118145797	52	Wall 31,75 mm	1321	31.75	1009.42
32850007	56	Wall 9,53 mm	1422	9.53	331.94
111528584	56	Wall 10,31 mm	1422	10.31	358.91
158165405	56	Wall 11,13 mm	1422	11.13	387.24
98374073	56	Wall 11,91 mm	1422	11.91	414.14
140522780	56	Wall 12,70 mm	1422	12.7	441.37
131426173	56	Wall 14,27 mm	1422	14.27	495.38
251888493	56	Wall 15,88 mm	1422	15.88	550.54
115425840	56	Wall 17,48 mm	1422	17.48	605.43
230935150	56	Wall 19,05 mm	1422	19.05	659.07

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

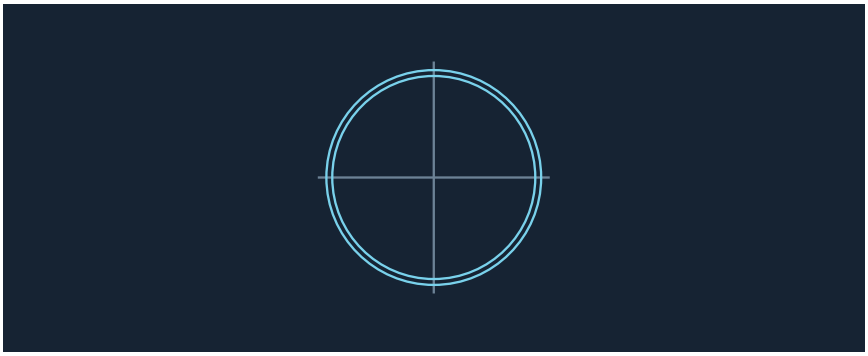
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

43/48

766 catalog variants / entries 673-688. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
225984039	56	Wall 20,62 mm	1422	20.62	712.59
64315904	56	Wall 22,23 mm	1422	22.23	767.34
93221327	56	Wall 23,83 mm	1422	23.83	821.63
178551454	56	Wall 25,40 mm	1422	25.4	875.78
55636819	56	Wall 26,97 mm	1422	26.97	927.81
145867933	56	Wall 28,58 mm	1422	28.58	982.06
75286727	56	Wall 30,18 mm	1422	30.18	1035.85
197654171	56	Wall 31,75 mm	1422	31.75	1088.5
89068763	60	Wall 9,53 mm	1524	9.53	355.92
175555479	60	Wall 10,31 mm	1524	10.31	384.85
264943698	60	Wall 11,13 mm	1524	11.13	415.23
247756166	60	Wall 11,91 mm	1524	11.91	444.1
198211995	60	Wall 12,70 mm	1524	12.7	473.31
151233943	60	Wall 14,27 mm	1524	14.27	531.27
126823115	60	Wall 15,88 mm	1524	15.88	590.58
157666449	60	Wall 17,48 mm	1524	17.48	649.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

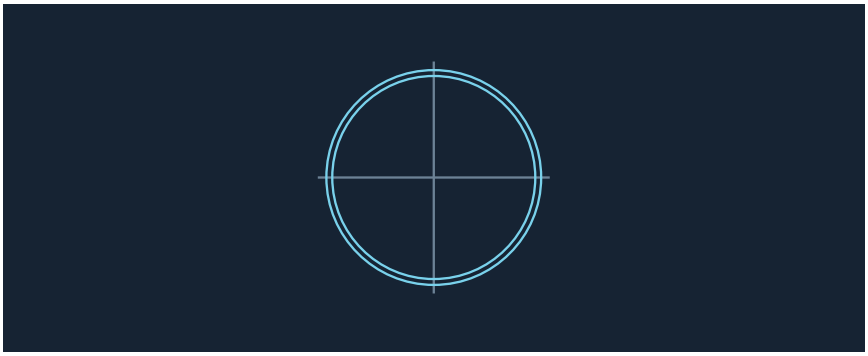
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

44/48

766 catalog variants / entries 689-704. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
87123748	60	Wall 19,05 mm	1524	19.05	706.98
7705584	60	Wall 20,62 mm	1524	20.62	764.45
153445280	60	Wall 22,23 mm	1524	22.23	823.26
181145166	60	Wall 23,83 mm	1524	23.83	881.57
191855386	60	Wall 25,40 mm	1524	25.4	938.67
267454712	60	Wall 26,97 mm	1524	26.97	995.64
28813040	60	Wall 28,58 mm	1524	28.58	1053.95
37966127	60	Wall 30,18 mm	1524	30.18	1111.76
108257873	60	Wall 31,75 mm	1524	31.75	1168.36
78033879	64	Wall 9,53 mm	1626	9.53	379.89
131622305	64	Wall 10,31 mm	1626	10.31	410.78
95208148	64	Wall 11,13 mm	1626	11.13	443.23
246704038	64	Wall 11,91 mm	1626	11.91	474.06
242099246	64	Wall 12,70 mm	1626	12.7	505.26
95303829	64	Wall 14,27 mm	1626	14.27	567.16
4002849	64	Wall 15,88 mm	1626	15.88	630.52

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

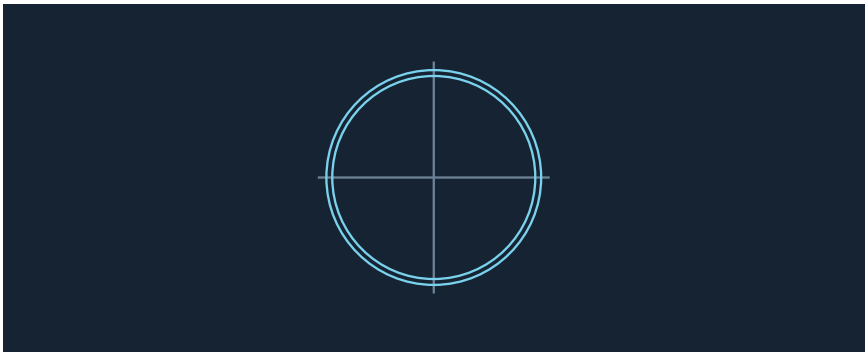
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

45/48

766 catalog variants / entries 705-720. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
189094402	64	Wall 17,48 mm	1626	17.48	693.36
194101634	64	Wall 19,05 mm	1626	19.05	754.9
119782908	64	Wall 20,62 mm	1626	20.62	816.32
125804261	64	Wall 22,23 mm	1626	22.23	879.17
125301177	64	Wall 23,83 mm	1626	23.83	941.51
106356633	64	Wall 25,40 mm	1626	25.4	1002.56
158204421	64	Wall 26,97 mm	1626	26.97	1063.48
201158563	64	Wall 28,58 mm	1626	28.58	1125.83
252298000	64	Wall 30,18 mm	1626	30.18	1187.67
220643493	64	Wall 31,75 mm	1626	31.75	1248.23
29724405	68	Wall 11,91 mm	1727	11.91	503.72
89640257	68	Wall 12,70 mm	1727	12.7	536.89
29455315	68	Wall 14,27 mm	1727	14.27	602.71
198492133	68	Wall 15,88 mm	1727	15.88	670.08
15844963	68	Wall 17,48 mm	1727	17.48	736.9
193060103	68	Wall 19,05 mm	1727	19.05	802.35

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

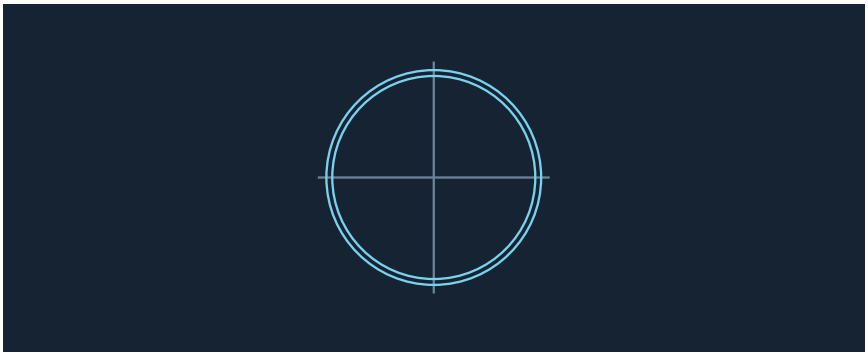
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

46/48

766 catalog variants / entries 721-736. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
217146368	68	Wall 20,62 mm	1727	20.62	867.68
55498687	68	Wall 22,23 mm	1727	22.23	934.54
80065558	68	Wall 23,83 mm	1727	23.83	1000.86
229862047	68	Wall 25,40 mm	1727	25.4	1065.82
246866176	68	Wall 26,97 mm	1727	26.97	1130.66
87644602	68	Wall 28,58 mm	1727	28.58	1197.02
207506124	68	Wall 30,18 mm	1727	30.18	1262.84
94564934	68	Wall 31,75 mm	1727	31.75	1327.3
94819107	72	Wall 12,70 mm	1829	12.7	568.83
73714859	72	Wall 14,27 mm	1829	14.27	638.6
107301154	72	Wall 15,88 mm	1829	15.88	710.02
42456005	72	Wall 17,48 mm	1829	17.48	780.87
221723346	72	Wall 19,05 mm	1829	19.05	850.29
108043705	72	Wall 20,62 mm	1829	20.62	919.54
64453943	72	Wall 22,23 mm	1829	22.23	990.46
228882219	72	Wall 23,83 mm	1829	23.83	1060.8

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

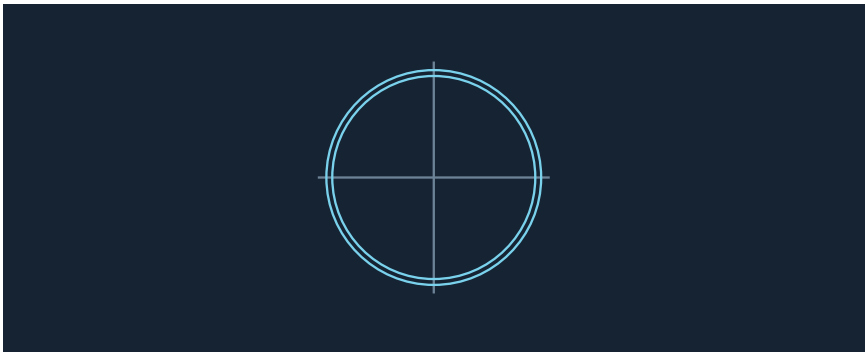
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

47/48

766 catalog variants / entries 737-752. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
44414021	72	Wall 25,40 mm	1829	25.4	1129.71
132960046	72	Wall 26,97 mm	1829	26.97	1198.49
199717054	72	Wall 28,58 mm	1829	28.58	1268.91
241106172	72	Wall 30,18 mm	1829	30.18	1338.75
219933893	72	Wall 31,75 mm	1829	31.75	1407.17
186897110	76	Wall 12,70 mm	1930	12.7	600.46
120639695	76	Wall 14,27 mm	1930	14.27	674.14
80826688	76	Wall 15,88 mm	1930	15.88	749.57
113179356	76	Wall 17,48 mm	1930	17.48	824.4
23606717	76	Wall 19,05 mm	1930	19.05	897.71
76717204	76	Wall 20,62 mm	1930	20.62	970.9
194526103	76	Wall 22,23 mm	1930	22.23	1045.82
212270343	76	Wall 23,83 mm	1930	23.83	1120.16
134142405	76	Wall 25,40 mm	1930	25.4	1192.97
58987195	76	Wall 26,97 mm	1930	26.97	1265.67
86251309	76	Wall 28,58 mm	1930	28.58	1340.09

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

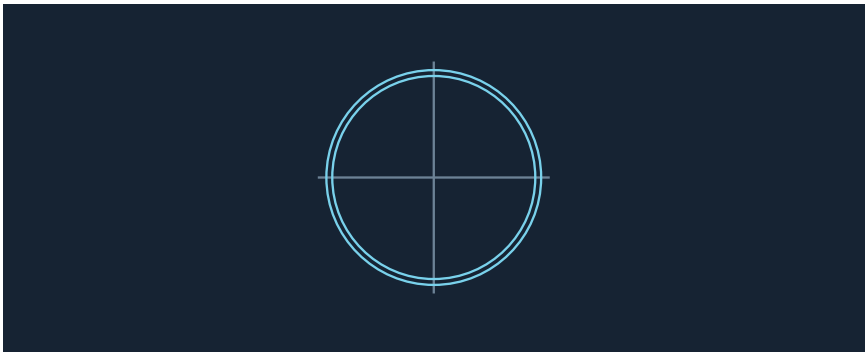
02 / PIPES AND FITTINGS

Dimensions and variants

CS pipe dimensions

48/48

766 catalog variants / entries 753-766. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 5

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
8676647	76	Wall 30,18 mm	1930	30.18	1413.92
140370659	76	Wall 31,75 mm	1930	31.75	1486.24
256977100	80	Wall 14,27 mm	2032	14.27	710.04
91531731	80	Wall 15,88 mm	2032	15.88	789.51
162234608	80	Wall 17,48 mm	2032	17.48	868.37
251484971	80	Wall 19,05 mm	2032	19.05	945.63
167632795	80	Wall 20,62 mm	2032	20.62	1022.76
176421938	80	Wall 22,23 mm	2032	22.23	1101.74
132905326	80	Wall 23,83 mm	2032	23.83	1180.1
88967537	80	Wall 25,40 mm	2032	25.4	1256.86
25119134	80	Wall 26,97 mm	2032	26.97	1333.5
155297921	80	Wall 28,58 mm	2032	28.58	1411.97
23347592	80	Wall 30,18 mm	2032	30.18	1489.83
246878756	80	Wall 31,75 mm	2032	31.75	1566.11

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

02 / PIPES AND FITTINGS

Dimensions and variants

Galvanized pipe dimensions

1/1

1 catalog variants / entries 1-1. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 3/4 | Galvanized

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
105371229	3/4	Galvanized	26.7	2.87	1.69

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

02 / PIPES AND FITTINGS

Dimensions and variants

SS pipe dimensions

1/3

36 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 40 S

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
226906186	1/8	Sch 40 S	10.3	1.73	0.37
44911487	1/8	Sch 80 S	10.3	2.41	0.47
107054195	1/4	Sch 40 S	13.7	2.24	0.64
185415053	1/4	Sch 80 S	13.7	3.02	0.8
135633858	3/8	Sch 40 S	17.1	2.31	0.85
62509088	3/8	Sch 80 S	17.1	3.2	1.1
11364132	1/2	Sch 40 S	21.3	2.77	1.27
10329858	1/2	Sch 80 S	21.3	3.73	1.63
40071471	3/4	Sch 40 S	26.7	2.87	1.7
73769579	3/4	Sch 80 S	26.7	3.91	2.21
257937019	1	Sch 40 S	33.4	3.38	2.52
127472027	1	Sch 80 S	33.4	4.55	3.26
116486531	1 1/4	Sch 40 S	42.2	3.56	3.41
111991638	1 1/4	Sch 80 S	42.2	4.85	4.5
51049027	1 1/2	Sch 40 S	48.3	3.68	4.08
203271876	1 1/2	Sch 80 S	48.3	5.08	5.45

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

02 / PIPES AND FITTINGS

Dimensions and variants

SS pipe dimensions

2/3

36 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 40 S

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
206803083	2	Sch 40 S	60.3	3.91	5.47
177429984	2	Sch 80 S	60.3	5.54	7.53
262162147	2 1/2	Sch 40 S	73	5.16	8.69
100775468	2 1/2	Sch 80 S	73	7.01	11.48
30366326	3	Sch 40 S	88.9	5.49	11.36
153301532	3	Sch 80 S	88.9	7.62	15.37
33625675	3 1/2	Sch 40 S	101.6	5.74	13.66
264196092	3 1/2	Sch 80 S	101.6	8.08	18.75
2742487	4	Sch 40 S	114.3	6.02	16.18
214399890	4	Sch 80 S	114.3	8.56	22.46
135951807	5	Sch 40 S	141.3	6.55	21.91
133899772	5	Sch 80 S	141.3	9.53	31.14
131694660	6	Sch 40 S	168.3	7.11	28.44
162839042	6	Sch 80 S	168.3	10.97	42.83
74377918	8	Sch 40 S	219.1	8.18	42.82
199772606	8	Sch 80 S	219.1	12.7	65.06

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

02 / PIPES AND FITTINGS

Dimensions and variants

SS pipe dimensions

3/3

36 catalog variants / entries 33-36. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Sch 40 S

OD: outside diameter. t: wall thickness. Mass is per metre. Each schedule / wall variant is listed separately.

ID	SIZE / NPS	SCHEDULE / WALL	OD mm	t mm	MASS kg/m
13299541	10	Sch 40 S	273.1	9.27	60.7
139979699	10	Sch 80 S	273.1	12.7	82.08
229112727	12	Sch 40 S	323.9	9.53	74.28
173936747	12	Sch 80 S	323.9	12.7	98.09

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

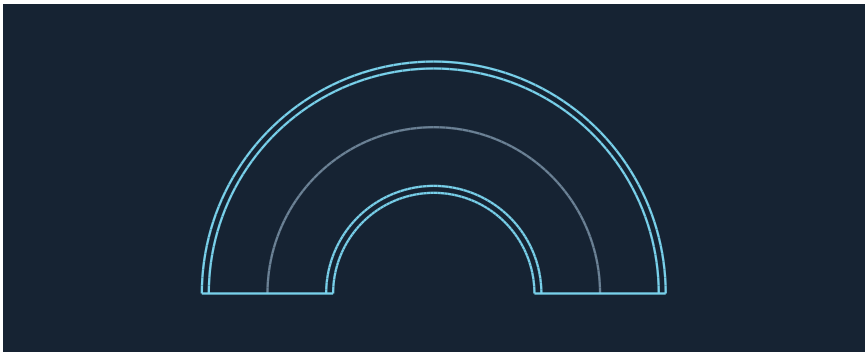
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

1/10

160 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
57128534	1/2	Schedule 30	21	2.41	76	48	180	--
231480064	1/2	STD	21	2.77	76	48	180	0.16
252309373	1/2	XS	21	3.73	76	48	180	0.35
145582681	1/2	Schedule 160	21	4.78	76	48	180	0.43
61508883	1/2	XXS	21	7.47	76	48	180	--
76240631	1	Schedule 30	33	2.9	76	56	180	--
176073315	1	STD	33	3.38	76	56	180	0.31
170126808	1	XS	33	4.55	76	56	180	0.4
114789165	1	Schedule 160	33	6.35	76	56	180	0.53
13713924	1	XXS	33	9.09	76	56	180	0.69
201252666	1 1/4	Schedule 30	42	2.97	95	70	180	--
15915693	1 1/4	STD	42	3.56	95	70	180	0.5
31695101	1 1/4	XS	42	4.85	95	70	180	0.7
187597696	1 1/4	Schedule 160	42	6.35	95	70	180	0.88
6788400	1 1/4	XXS	42	9.7	95	70	180	1.22
97900710	1 1/2	Schedule 30	48	3.18	114	83	180	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

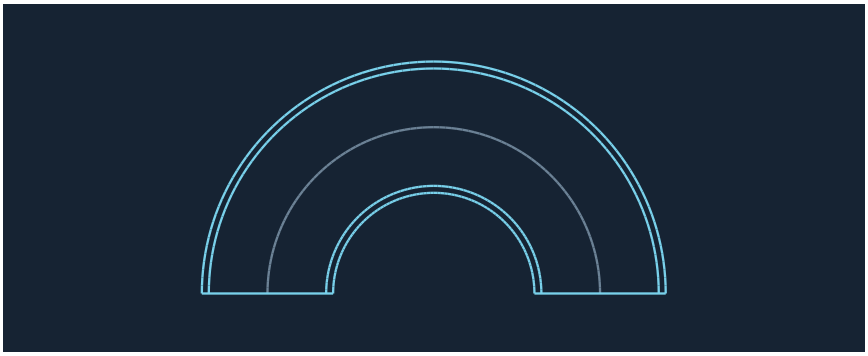
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

2/10

160 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
11805313	1 1/2	STD	48	3.68	114	83	180	0.73
267155439	1 1/2	XS	48	5.08	114	83	180	1.2
186767091	1 1/2	Schedule 160	48	7.13	114	83	180	1.36
88193668	1 1/2	XXS	48	10.16	114	83	180	1.8
181272231	2	Schedule 30	60	3.18	152	106	180	--
95632549	2	STD	60	3.91	152	106	180	1.3
48283478	2	Schedule 40	60	3.91	152	106	180	1.3
188163072	2	Schedule 80	60	5.54	152	106	180	1.88
240873337	2	XS	60	5.54	152	106	180	1.88
228588310	2	Schedule 160	60	8.74	152	106	180	3
180785451	2	XXS	60	11.07	152	106	180	3.4
138597291	2 1/2	Schedule 30	73	4.78	191	132	180	--
226314543	2 1/2	STD	73	5.16	191	132	180	2.57
134017262	2 1/2	XS	73	7.01	191	132	180	3.4
156385296	2 1/2	Schedule 160	73	9.52	191	132	180	4.67
39941058	2 1/2	XXS	73	14.02	191	132	180	6.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

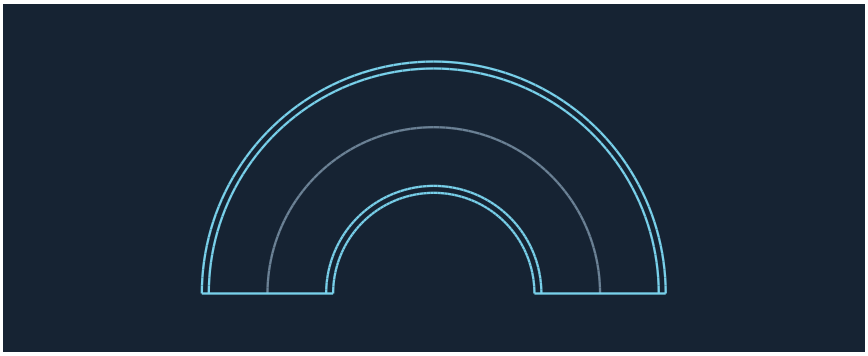
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

3/10

160 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
83420920	3	Schedule 30	89	4.78	229	159	180	--
185413954	3	STD	89	5.49	229	159	180	4.07
77840431	3	Schedule 40	89	5.49	229	159	180	4.07
87413842	3	Schedule 80	89	7.62	229	159	180	5.5
96673112	3	XS	89	7.62	229	159	180	5.5
179342588	3	Schedule 160	89	11.13	229	159	180	8.03
146888183	3	XXS	89	15.24	229	159	180	10.35
7525966	3 1/2	Schedule 30	102	4.78	267	184	180	--
63782869	3 1/2	STD	102	5.74	267	184	180	5.74
92071045	3 1/2	XS	102	8.08	267	184	180	7.9
179260035	4	Schedule 30	114	4.78	305	210	180	--
151867225	4	STD	114	6.02	305	210	180	7.8
73288296	4	XS	114	8.56	305	210	180	10.8
245383433	4	Schedule 120	114	11.13	305	210	180	13.9
154035356	4	Schedule 160	114	13.5	305	210	180	17
13019872	4	XXS	114	17.12	305	210	180	20.6

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

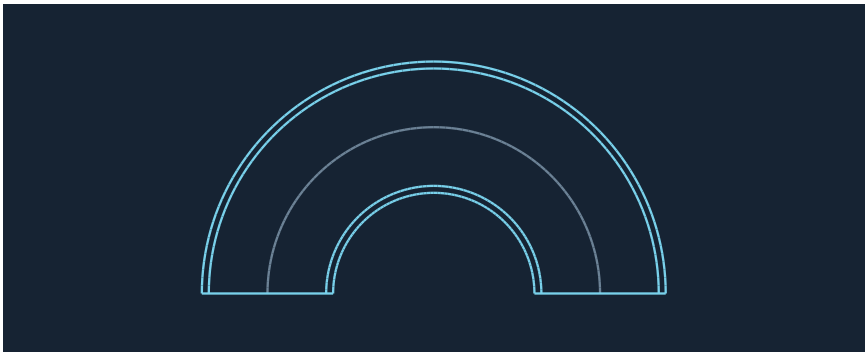
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

4/10

160 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
56046939	5	STD	141	6.55	381	262	180	13
64448409	5	XS	141	9.52	381	262	180	17.7
83214459	5	Schedule 120	141	12.7	381	262	180	25.24
122308802	5	Schedule 160	141	15.87	381	262	180	30.87
263520118	5	XXS	141	19.05	381	262	180	36.23
182386622	6	STD	168	7.11	457	313	180	20.4
89536604	6	XS	168	10.97	457	313	180	30.7
56100818	6	Schedule 120	168	14.27	457	313	180	39.26
180888552	6	Schedule 160	168	18.26	457	313	180	54
175293086	6	XXS	168	21.95	457	313	180	59.5
40170139	8	Schedule 20	219	6.35	610	414	180	33.14
235453911	8	Schedule 30	219	7.03	610	414	180	34.98
101237731	8	STD	219	8.18	610	414	180	40.6
223547382	8	Schedule 60	219	10.31	610	414	180	53.12
150891534	8	XS	219	12.7	610	414	180	59.8
149571892	8	Schedule 100	219	15.09	610	414	180	76

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

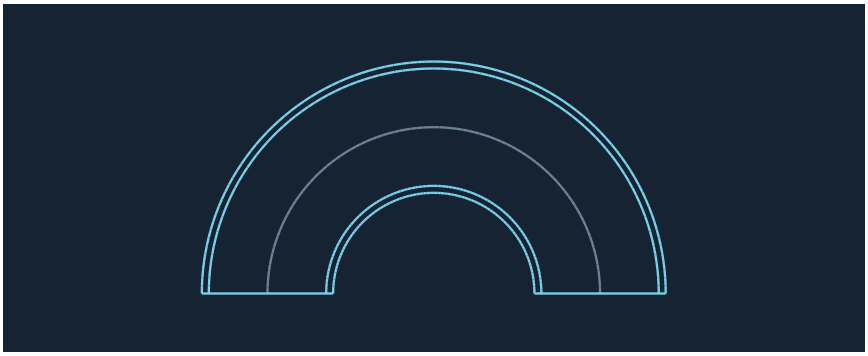
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

5/10

160 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
259649340	8	Schedule 120	219	18.26	610	414	180	81
247110772	8	Schedule 140	219	20.62	610	414	180	104
205981469	8	XXS	219	22.23	610	414	180	109
254524391	8	Schedule 160	219	23.01	610	414	180	110
233616888	10	Schedule 20	273	6.35	762	518	180	51.58
1678027	10	Schedule 30	273	7.8	762	518	180	62.62
152957791	10	STD	273	9.27	762	518	180	74
224187070	10	Schedule 60	273	12.7	762	518	180	97.2
13848425	10	XS	273	12.7	762	518	180	97.2
227569624	10	Schedule 80	273	15.09	762	518	180	119.86
64118779	10	Schedule 100	273	18.26	762	518	180	150
116269045	10	Schedule 120	273	21.44	762	518	180	190
14624241	10	Schedule 140	273	25.4	762	518	180	194
14918473	10	XXS	273	25.4	762	518	180	194
242509748	10	Schedule 160	273	28.57	762	518	180	218
34179615	12	Schedule 20	324	6.35	914	619	180	74.46

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

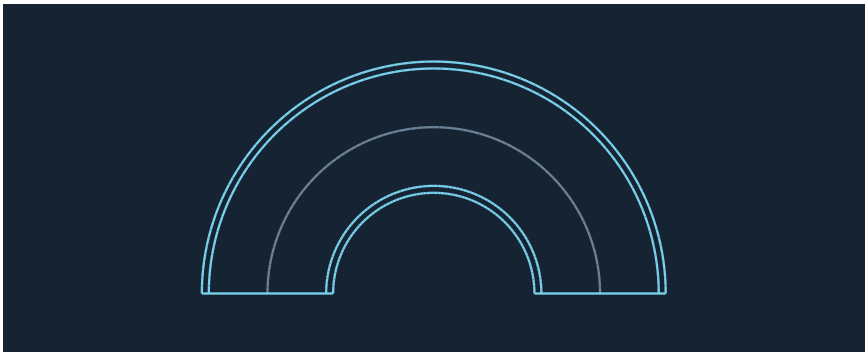
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

6/10

160 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
7738296	12	Schedule 30	324	8.38	914	619	180	92.12
79260545	12	STD	324	9.52	914	619	180	108
117299676	12	Schedule 40	324	10.31	914	619	180	116.3
211454920	12	XS	324	12.7	914	619	180	140
32656021	12	Schedule 60	324	14.27	914	619	180	165.25
197563829	12	Schedule 80	324	17.48	914	619	180	198.85
150241173	12	Schedule 100	324	21.44	914	619	180	246
123846851	12	Schedule 120	324	25.4	914	619	180	280
186288046	12	XXS	324	25.4	914	619	180	280
95178046	12	Schedule 140	324	28.57	914	619	180	314
95207893	12	Schedule 160	324	33.32	914	619	180	360
26303045	14	Schedule 10	356	6.35	1067	711	180	114.94
164054903	14	Schedule 20	356	7.92	1067	711	180	119.86
144529172	14	STD	356	9.52	1067	711	180	136
228858502	14	Schedule 30	356	9.52	1067	711	180	136
203720299	14	Schedule 40	356	11.13	1067	711	180	159.93

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

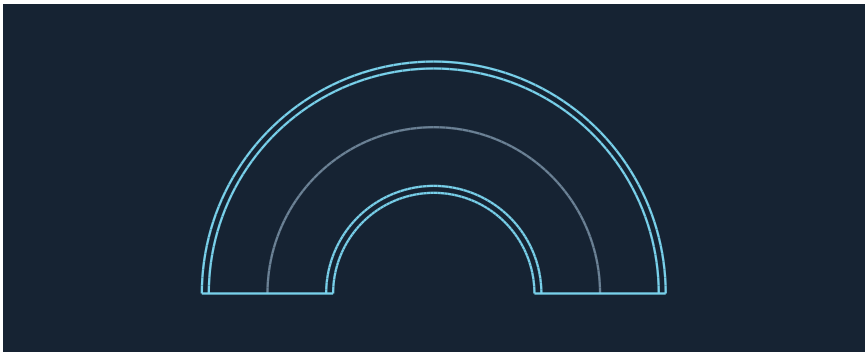
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

7/10

160 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
89843697	14	XS	356	12.7	1067	711	180	188.7
196644930	14	Schedule 60	356	15.09	1067	711	180	222.46
35600497	14	Schedule 80	356	19.05	1067	711	180	270
162967584	14	Schedule 100	356	23.83	1067	711	180	376
159459178	14	Schedule 120	356	27.79	1067	711	180	380
229162116	14	Schedule 140	356	31.75	1067	711	180	448
180436312	14	Schedule 160	356	35.71	1067	711	180	495
246342387	16	Schedule 10	406	6.35	1219	813	180	165.24
166526337	16	Schedule 20	406	7.92	1219	813	180	156.18
114199529	16	STD	406	9.52	1219	813	180	178.4
143465708	16	Schedule 30	406	9.52	1219	813	180	178.4
46226186	16	Schedule 40	406	12.7	1219	813	180	249.5
239929968	16	XS	406	12.7	1219	813	180	249.5
175882377	16	Schedule 60	406	16.66	1219	813	180	322.34
85686389	16	Schedule 80	406	21.44	1219	813	180	404
133709399	16	Schedule 100	406	26.19	1219	813	180	520

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

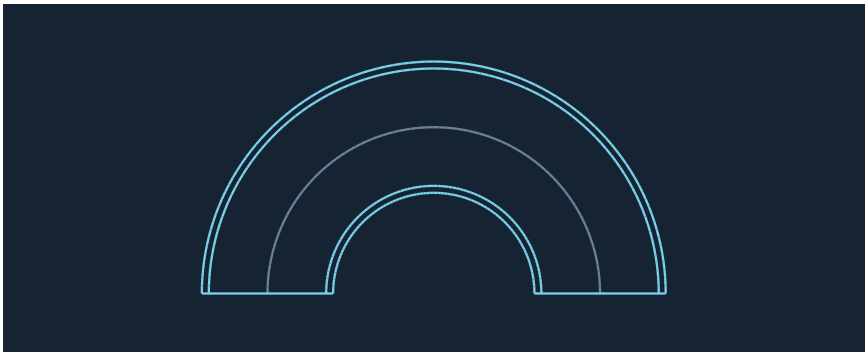
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

8/10

160 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
83747484	16	Schedule 120	406	30.96	1219	813	180	548
82823371	16	Schedule 140	406	36.53	1219	813	180	646
95373131	16	Schedule 160	406	40.49	1219	813	180	734
194482528	18	Schedule 10	457	6.35	1372	914	180	164
142473895	18	Schedule 20	457	7.92	1372	914	180	198.86
196074539	18	STD	457	9.52	1372	914	180	225.8
155683237	18	Schedule 30	457	11.13	1372	914	180	279.66
172845536	18	XS	457	12.7	1372	914	180	315.08
121560426	18	Schedule 40	457	14.27	1372	914	180	354.12
220718030	18	Schedule 60	457	19.05	1372	914	180	463.08
187949182	18	Schedule 80	457	23.83	1372	914	180	581
175332534	18	Schedule 100	457	29.36	1372	914	180	780
267112011	18	Schedule 120	457	34.93	1372	914	180	810
198133339	18	Schedule 140	457	39.67	1372	914	180	844
172188439	18	Schedule 160	457	45.24	1372	914	180	1090
129620055	20	Schedule 10	508	6.35	1524	1016	180	200

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

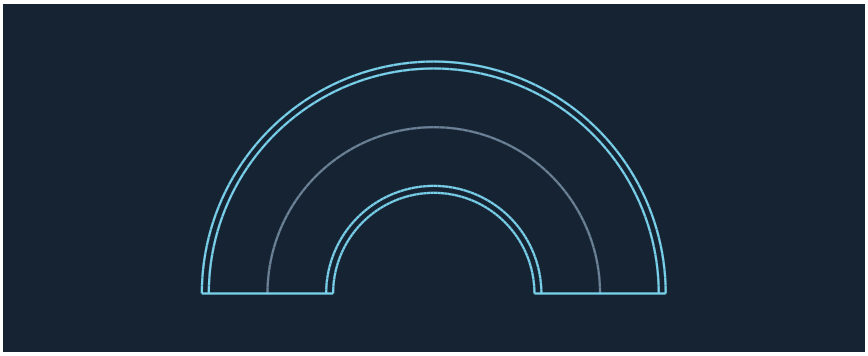
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

9/10

160 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
74465497	20	STD	508	9.52	1524	1016	180	284.8
114253318	20	Schedule 30	508	12.7	1524	1016	180	388.62
106821016	20	XS	508	12.7	1524	1016	180	388.62
235489081	20	Schedule 40	508	15.09	1524	1016	180	460
255490118	20	Schedule 60	508	20.62	1524	1016	180	622.89
8510160	20	Schedule 80	508	26.18	1524	1016	180	781
169662200	20	Schedule 100	508	32.54	1524	1016	180	952
251634698	20	Schedule 120	508	38.1	1524	1016	180	1016
195617007	20	Schedule 140	508	44.45	1524	1016	180	1214
181778198	20	Schedule 160	508	50.01	1524	1016	180	1540
101114941	22	Schedule 10	559	6.35	1676	1118	180	240
117678107	22	STD	559	9.52	1676	1118	180	346
121267177	22	Schedule 20	559	9.52	1676	1118	180	346
94574145	22	Schedule 30	559	12.7	1676	1118	180	510.4
52236973	22	XS	559	12.7	1676	1118	180	466
66208322	22	Schedule 60	559	22.22	1676	1118	180	825.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

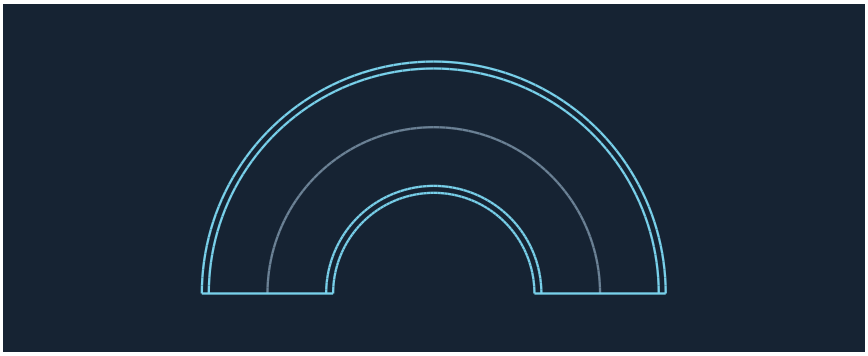
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 LR returns

10/10

160 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
89422687	22	Schedule 80	559	28.58	1676	1118	180	1046
93588558	22	Schedule 100	559	34.92	1676	1118	180	1316
93834290	22	Schedule 120	559	41.27	1676	1118	180	1400
76225901	22	Schedule 140	559	47.62	1676	1118	180	1700
169946753	22	Schedule 160	559	53.97	1676	1118	180	2040
20664173	24	Schedule 10	610	6.35	1829	1219	180	292
90465142	24	STD	610	9.52	1829	1219	180	411.8
177755511	24	XS	610	12.7	1829	1219	180	564.78
159390426	24	Schedule 30	610	14.27	1829	1219	180	637.42
166106891	24	Schedule 40	610	17.48	1829	1219	180	768.17
75882787	24	Schedule 60	610	24.61	1829	1219	180	1067.8
69410711	24	Schedule 80	610	30.96	1829	1219	180	1335
37911647	24	Schedule 100	610	38.89	1829	1219	180	1640
194625583	24	Schedule 120	610	46.02	1829	1219	180	1908
71864377	24	Schedule 140	610	52.37	1829	1219	180	2170
9925304	24	Schedule 160	610	59.54	1829	1219	180	2540

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

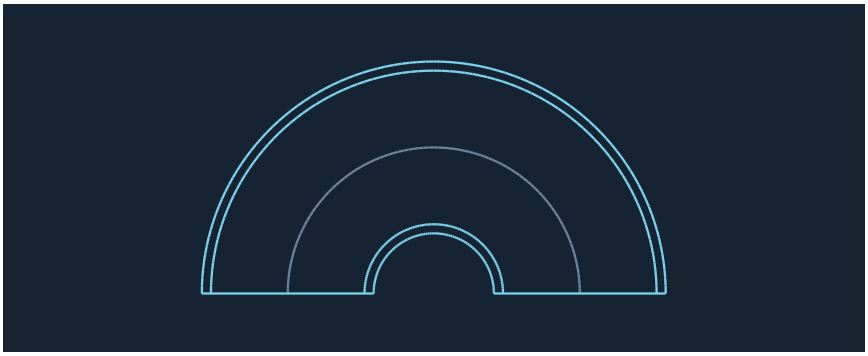
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

1/10

146 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
141738341	1	Schedule 30	33	2.9	51	41	180	--
96055473	1	STD	33	3.38	51	41	180	0.2
136997325	1	XS	33	4.55	51	41	180	0.27
259523089	1	Schedule 160	33	6.35	51	41	180	0.36
103007490	1	XXS	33	9.09	51	41	180	0.46
176575926	1 1/4	Schedule 30	42	2.97	64	52	180	--
139531352	1 1/4	STD	42	3.56	64	52	180	0.33
94503867	1 1/4	XS	42	4.85	64	52	180	0.5
4205109	1 1/4	Schedule 160	42	6.35	64	52	180	0.58
103653615	1 1/4	XXS	42	9.7	64	52	180	0.82
198463970	1 1/2	Schedule 30	48	3.18	76	62	180	--
23579947	1 1/2	STD	48	3.68	76	62	180	0.48
166688343	1 1/2	XS	48	5.08	76	62	180	0.6
57907376	1 1/2	Schedule 160	48	7.13	76	62	180	0.9
245544819	1 1/2	XXS	48	10.16	76	62	180	1.2
136104668	2	Schedule 30	60	3.18	102	81	180	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

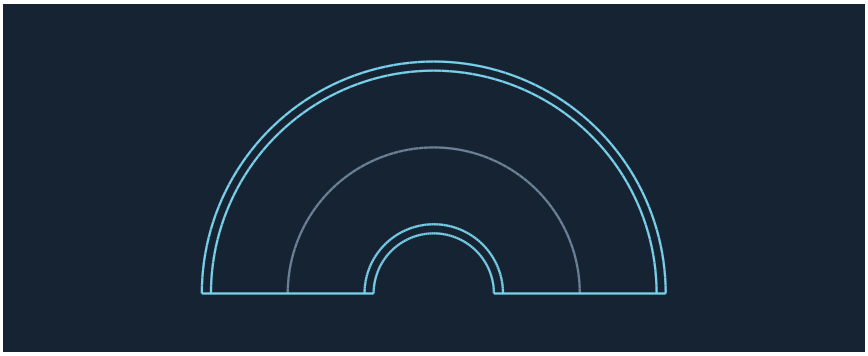
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

2/10

146 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
44709997	2	STD	60	3.91	102	81	180	0.86
148036466	2	XS	60	5.54	102	81	180	1.2
30151424	2	Schedule 160	60	8.74	102	81	180	1.86
42080209	2	XXS	60	11.07	102	81	180	2.26
76700619	2 1/2	Schedule 30	73	4.78	127	100	180	--
218632632	2 1/2	STD	73	5.16	127	100	180	1.64
121785069	2 1/2	XS	73	7.01	127	100	180	2.3
148930911	2 1/2	Schedule 160	73	9.52	127	100	180	3.12
21776642	2 1/2	XXS	73	14.02	127	100	180	4.06
171038709	3	Schedule 30	89	4.78	152	121	180	--
267853377	3	STD	89	5.49	152	121	180	2.7
103256620	3	Schedule 40	89	5.49	152	121	180	2.7
122388508	3	Schedule 80	89	7.62	152	121	180	3.7
103210141	3	XS	89	7.62	152	121	180	3.7
266927238	3	Schedule 160	89	11.13	152	121	180	5.36
50898979	3	XXS	89	15.24	152	121	180	6.94

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

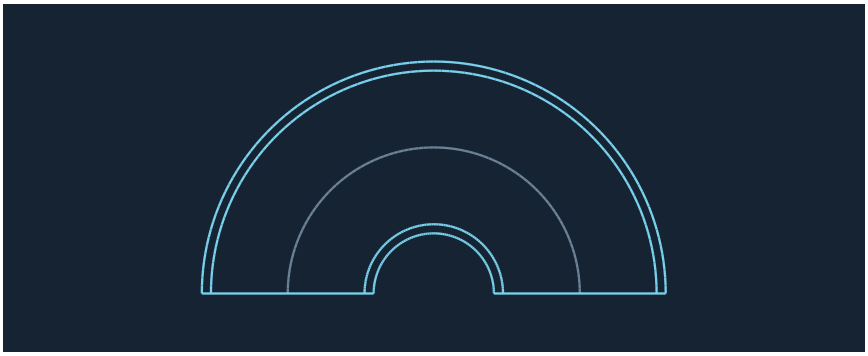
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

3/10

146 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
157409396	3 1/2	Schedule 30	102	4.78	178	140	180	--
102599039	3 1/2	STD	102	5.74	178	140	180	3.8
46938114	3 1/2	XS	102	8.08	178	140	180	5.2
226811758	4	Schedule 30	114	4.78	203	159	180	--
176729630	4	STD	114	6.02	203	159	180	5.2
50565683	4	Schedule 40	114	6.02	203	159	180	5.2
245450763	4	Schedule 80	114	8.56	203	159	180	7.1
134726813	4	XS	114	8.56	203	159	180	7.1
174271840	4	Schedule 120	114	11.13	203	159	180	9.45
122172630	4	Schedule 160	114	13.5	203	159	180	11.24
248883854	4	XXS	114	17.12	203	159	180	13.72
46276020	5	STD	141	6.55	254	197	180	8.7
233713495	5	XS	141	9.52	254	197	180	12.4
122186134	5	Schedule 120	141	12.7	254	197	180	18
145303975	5	Schedule 160	141	15.87	254	197	180	20.56
46410730	5	XXS	141	19.05	254	197	180	24

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

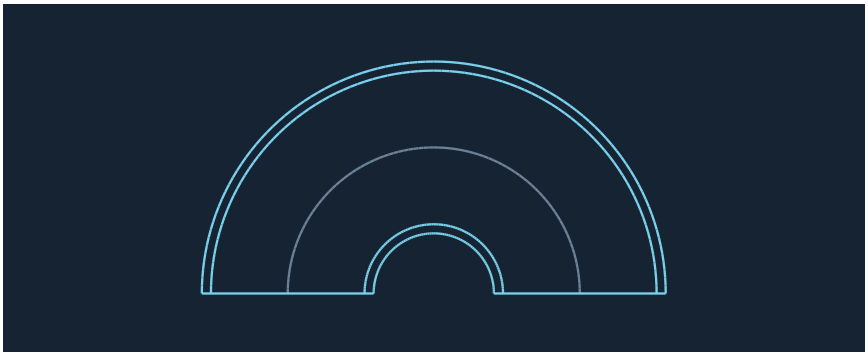
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

4/10

146 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
143315297	6	STD	168	7.11	305	237	180	12.9
201737218	6	XS	168	10.97	305	237	180	20.4
163684948	6	Schedule 120	168	14.27	305	237	180	27
265171039	6	Schedule 160	168	18.26	305	237	180	33.94
29396255	6	XXS	168	21.95	305	237	180	40
268170954	8	Schedule 20	219	6.35	406	313	180	22.25
163342062	8	Schedule 30	219	7.03	406	313	180	24.51
65179864	8	STD	219	8.18	406	313	180	33
24962546	8	Schedule 60	219	10.31	406	313	180	35.1
187556424	8	XS	219	12.7	406	313	180	45
180892127	8	Schedule 100	219	15.09	406	313	180	52.65
256495242	8	Schedule 120	219	18.26	406	313	180	58
188233552	8	Schedule 140	219	20.62	406	313	180	64
263966333	8	XXS	219	22.23	406	313	180	72
66485987	8	Schedule 160	219	23.01	406	313	180	75
101189005	10	Schedule 20	273	6.35	508	391	180	34.7

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

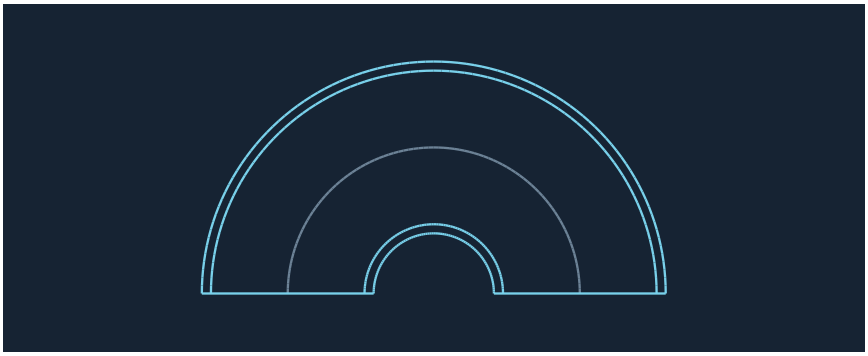
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

5/10

146 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
110385923	10	Schedule 30	273	7.8	508	391	180	42.38
234044770	10	STD	273	9.27	508	391	180	62.3
218312773	10	Schedule 60	273	12.7	508	391	180	62.3
199607614	10	XS	273	12.7	508	391	180	62.3
220520288	10	Schedule 80	273	15.09	508	391	180	81
214020722	10	Schedule 100	273	18.26	508	391	180	100
148789010	10	Schedule 120	273	21.44	508	391	180	106
258964525	10	Schedule 140	273	25.4	508	391	180	124
119688853	10	XXS	273	25.4	508	391	180	130
40391006	10	Schedule 160	273	28.57	508	391	180	144
32477532	12	Schedule 20	324	6.35	610	467	180	50
127412523	12	Schedule 30	324	8.38	610	467	180	65.83
177966891	12	STD	324	9.52	610	467	180	90
23792848	12	Schedule 40	324	10.31	610	467	180	79.2
208820371	12	XS	324	12.7	610	467	180	98.06
120370027	12	Schedule 60	324	14.27	610	467	180	108.9

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

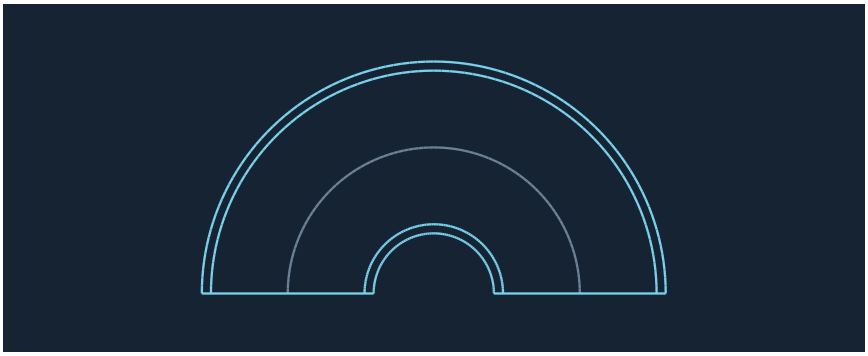
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

6/10

146 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
204761221	12	Schedule 80	324	17.48	610	467	180	136
140347740	12	Schedule 100	324	21.44	610	467	180	162
241091465	12	Schedule 120	324	25.4	610	467	180	184
252158334	12	XXS	324	25.4	610	467	180	188
178338381	12	Schedule 140	324	28.57	610	467	180	198
211761291	12	Schedule 160	324	33.32	610	467	180	240
220045108	14	STD	356	9.52	711	533	180	106
6102710	14	Schedule 30	356	9.52	711	533	180	106
206482405	14	Schedule 40	356	11.12	711	533	180	109.8
33159643	14	XS	356	12.7	711	533	180	126.21
116545445	14	Schedule 60	356	15.09	711	533	180	146.7
46272833	14	Schedule 80	356	19.05	711	533	180	187
82336658	14	Schedule 100	356	23.83	711	533	180	240
137070410	14	Schedule 120	356	27.79	711	533	180	248
138886590	14	Schedule 140	356	31.75	711	533	180	276
2407274	14	Schedule 160	356	35.71	711	533	180	330

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

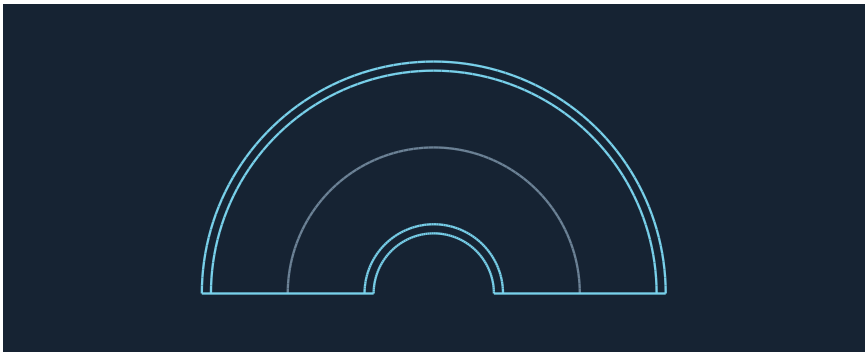
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

7/10

146 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
87191377	16	STD	406	9.52	813	610	180	142.5
220541161	16	Schedule 30	406	9.52	813	610	180	142.5
50793605	16	Schedule 40	406	12.7	813	610	180	165.26
110896484	16	XS	406	12.7	813	610	180	165.26
134146888	16	Schedule 60	406	16.66	813	610	180	212.4
262692075	16	Schedule 80	406	21.44	813	610	180	276
194866087	16	Schedule 100	406	26.19	813	610	180	332
233070341	16	Schedule 120	406	30.96	813	610	180	343
40338652	16	Schedule 140	406	36.53	813	610	180	396
22914840	16	Schedule 160	406	40.49	813	610	180	490
5791494	18	STD	457	9.52	914	686	180	180
92067236	18	Schedule 30	457	11.13	914	686	180	186.14
224527502	18	XS	457	12.7	914	686	180	209.75
237695931	18	Schedule 40	457	14.27	914	686	180	233.1
148017997	18	Schedule 60	457	19.05	914	686	180	306
210999235	18	Schedule 80	457	23.83	914	686	180	386

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

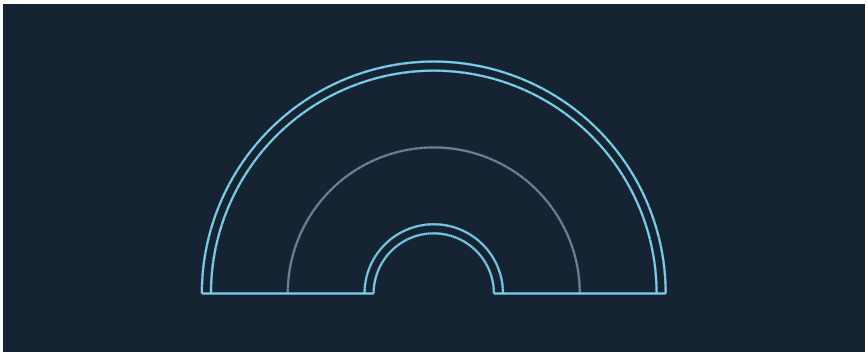
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

8/10

146 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
179847010	18	Schedule 100	457	29.36	914	686	180	515
149093163	18	Schedule 120	457	34.92	914	686	180	566
127530057	18	Schedule 140	457	39.67	914	686	180	774
137229255	18	Schedule 160	457	45.24	914	686	180	693
106715372	20	STD	508	9.52	1016	762	180	219
157279158	20	Schedule 30	508	12.7	1016	762	180	259.68
220993987	20	XS	508	12.7	1016	762	180	259.7
107386887	20	Schedule 40	508	15.09	1016	762	180	304.2
140707568	20	Schedule 60	508	20.62	1016	762	180	411.3
243962090	20	Schedule 80	508	26.18	1016	762	180	522
200580455	20	Schedule 100	508	32.54	1016	762	180	664
213796154	20	Schedule 120	508	38.1	1016	762	180	752
264955828	20	Schedule 140	508	44.45	1016	762	180	860
233177486	20	Schedule 160	508	50.01	1016	762	180	957
151205224	22	STD	559	9.52	1118	838	180	264
199810931	22	Schedule 20	559	9.52	1118	838	180	264

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

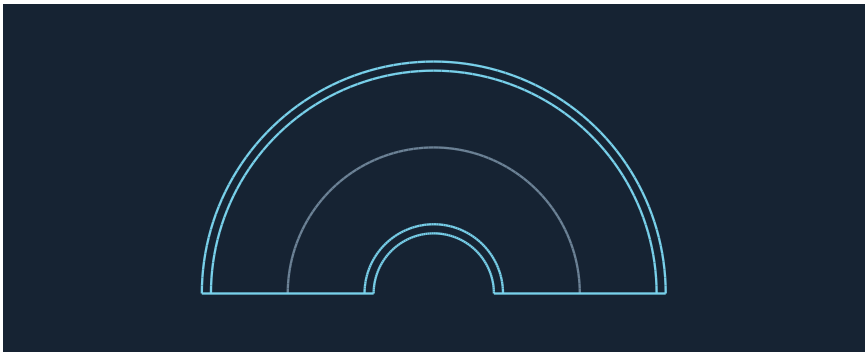
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

9/10

146 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
143767567	22	Schedule 30	559	12.7	1118	838	180	348
114433810	22	XS	559	12.7	1118	838	180	314
73295060	22	Schedule 60	559	22.22	1118	838	180	563
20894375	22	Schedule 80	559	28.58	1118	838	180	676
141203758	22	Schedule 100	559	34.92	1118	838	180	840
152087487	22	Schedule 120	559	41.27	1118	838	180	984
208436800	22	Schedule 140	559	47.62	1118	838	180	1110
188330602	22	Schedule 160	559	53.97	1118	838	180	12.55
245283220	24	STD	610	9.52	1219	914	180	330
121422471	24	XS	610	12.7	1219	914	180	376.82
197629555	24	Schedule 30	610	14.27	1219	914	180	426.76
30547044	24	Schedule 40	610	17.48	1219	914	180	507.6
176783278	24	Schedule 60	610	24.61	1219	914	180	704.7
84973189	24	Schedule 80	610	30.96	1219	914	180	887
150258169	24	Schedule 100	610	38.89	1219	914	180	1060
123742663	24	Schedule 120	610	46.02	1219	914	180	1242

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

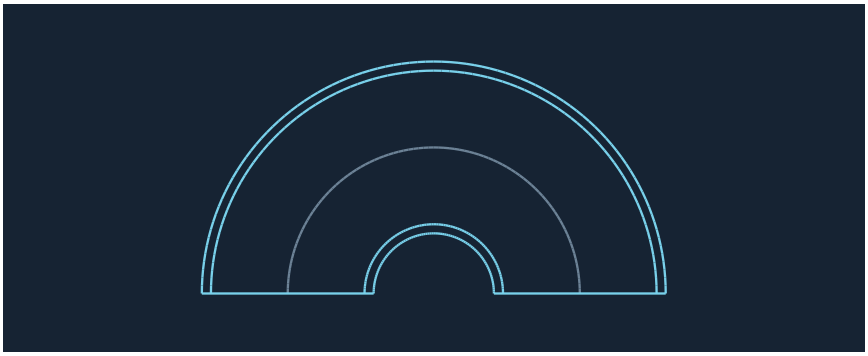
02 / PIPES AND FITTINGS

Dimensions and variants

CS 180 SR returns

10/10

146 catalog variants / entries 145-146. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
78164108	24	Schedule 140	610	52.37	1219	914	180	1360
248643678	24	Schedule 160	610	59.54	1219	914	180	1669

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

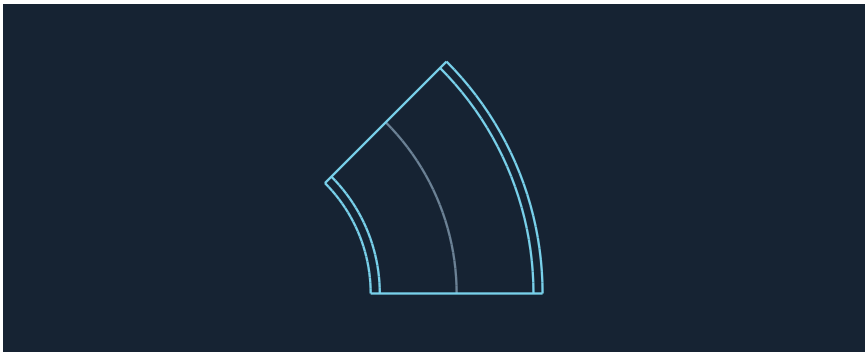
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

1/13

200 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
99216311	1/2	Schedule 30	21	2.41	16	--	45	--
76596538	1/2	STD	21	2.77	16	--	45	0.04
145264324	1/2	XS	21	3.73	16	--	45	0.08
68162045	1/2	Schedule 160	21	4.78	16	--	45	0.12
245207902	1/2	XXS	21	7.47	16	--	45	--
239348732	1	Schedule 30	33	2.9	22	--	45	--
258422025	1	STD	33	3.38	22	--	45	0.08
14367850	1	XS	33	4.55	22	--	45	0.1
108448309	1	Schedule 160	33	6.35	22	--	45	0.14
181324214	1	XXS	33	9.09	22	--	45	0.19
395374	1 1/4	Schedule 30	42	2.97	25	--	45	--
8680429	1 1/4	STD	42	3.56	25	--	45	0.12
203963887	1 1/4	XS	42	4.85	25	--	45	0.18
96409424	1 1/4	Schedule 160	42	6.35	25	--	45	0.22
82732545	1 1/4	XXS	42	9.7	25	--	45	0.3
98744043	1 1/2	Schedule 30	48	3.18	29	--	45	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

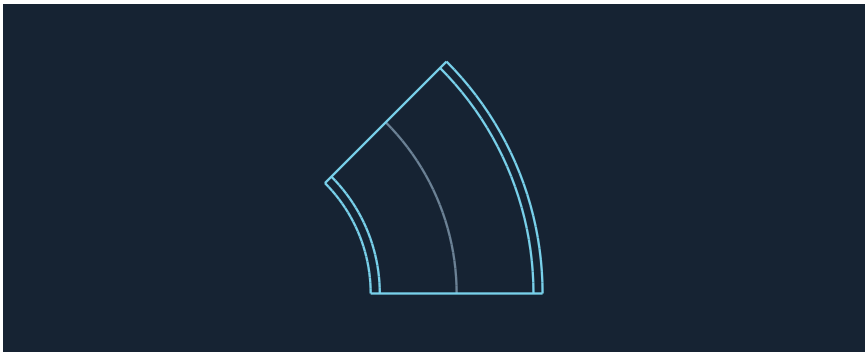
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

2/13

200 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
67568061	1 1/2	STD	48	3.68	29	--	45	0.18
107433908	1 1/2	XS	48	5.08	29	--	45	0.25
161897682	1 1/2	Schedule 160	48	7.13	29	--	45	0.33
66482973	1 1/2	XXS	48	10.16	29	--	45	0.45
4608068	2	Schedule 30	60	3.18	35	--	45	--
114634918	2	STD	60	3.91	35	--	45	0.32
159489843	2	Schedule 40	60	3.91	35	--	45	0.32
36866398	2	Schedule 80	60	5.54	35	--	45	0.47
237631405	2	XS	60	5.54	35	--	45	0.47
144418852	2	Schedule 160	60	8.74	35	--	45	0.7
59502812	2	XXS	60	11.07	35	--	45	0.84
36601507	2 1/2	Schedule 30	73	4.78	44	--	45	--
62036808	2 1/2	STD	73	5.16	44	--	45	0.64
180551203	2 1/2	XS	73	7.01	44	--	45	0.85
54837052	2 1/2	Schedule 160	73	9.52	44	--	45	1.2
62896512	2 1/2	XXS	73	14.02	44	--	45	1.6

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

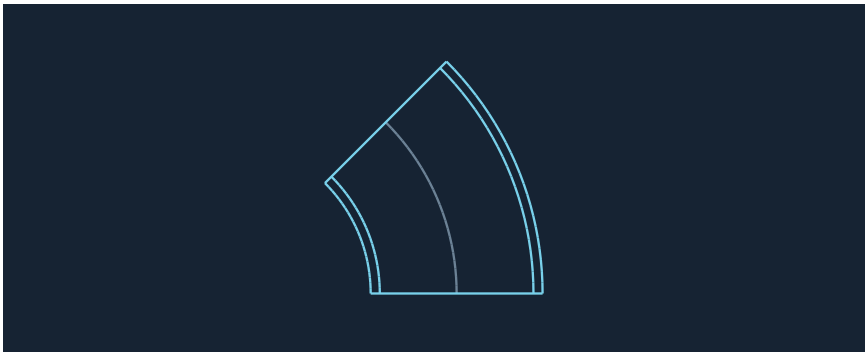
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

3/13

200 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
217609534	3	Schedule 30	89	4.78	51	--	45	--
154354597	3	STD	89	5.49	51	--	45	1.02
220840299	3	Schedule 40	89	5.49	51	--	45	1.02
18336539	3	Schedule 80	89	7.62	51	--	45	1.37
217116017	3	XS	89	7.62	51	--	45	1.37
198880705	3	Schedule 160	89	11.13	51	--	45	2
131299678	3	XXS	89	15.24	51	--	45	2.6
81219630	3 1/2	Schedule 30	102	4.78	57	--	45	--
152848872	3 1/2	STD	102	5.74	57	--	45	1.43
149157313	3 1/2	XS	102	8.08	57	--	45	1.97
153350644	4	Schedule 30	114	4.78	64	--	45	--
47308539	4	STD	114	6.02	64	--	45	1.95
164566053	4	XS	114	8.56	64	--	45	2.7
68388311	4	Schedule 120	114	11.13	64	--	45	3.47
105296668	4	Schedule 160	114	13.5	64	--	45	4
70386432	4	XXS	114	17.12	64	--	45	5.2

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

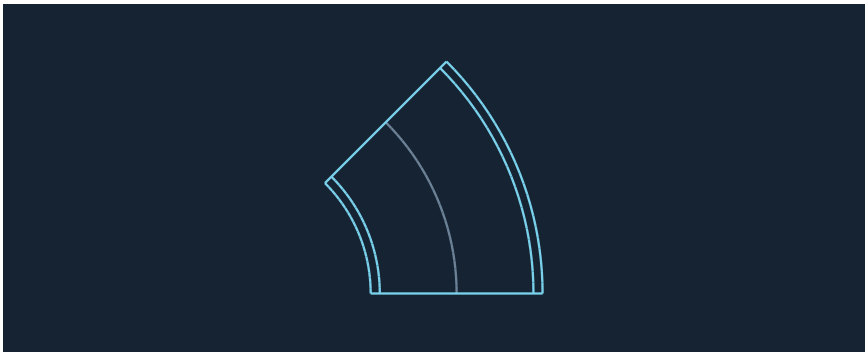
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

4/13

200 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
130051881	5	STD	141	6.55	79	--	45	3.25
190210258	5	XS	141	9.52	79	--	45	4.42
207641340	5	Schedule 120	141	12.7	79	--	45	6.31
262614920	5	Schedule 160	141	15.87	79	--	45	7.5
84566695	5	XXS	141	19.05	79	--	45	9.08
132963111	6	STD	168	7.11	95	--	45	5.1
162678102	6	XS	168	10.97	95	--	45	7.67
200748208	6	Schedule 120	168	14.27	95	--	45	9.81
215839039	6	Schedule 160	168	18.26	95	--	45	14
10839276	6	XXS	168	21.95	95	--	45	15
147275625	8	Schedule 20	219	6.35	127	--	45	9
79617916	8	Schedule 30	219	7.03	127	--	45	10.35
76647091	8	STD	219	8.18	127	--	45	11.15
10490905	8	Schedule 60	219	10.31	127	--	45	13.34
49534237	8	XS	219	12.7	127	--	45	14.95
159484509	8	Schedule 100	219	15.09	127	--	45	19.07

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

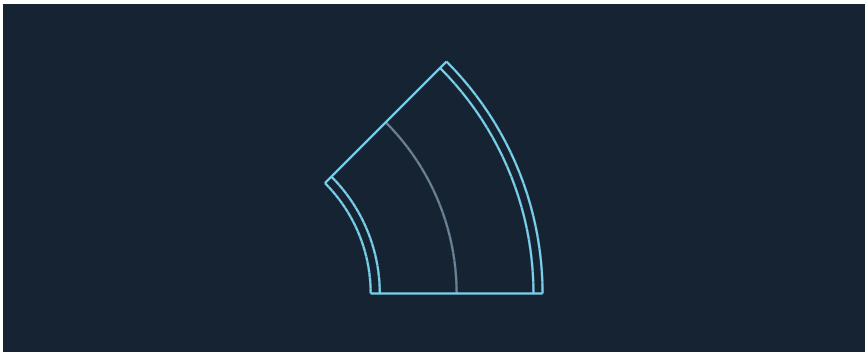
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

5/13

200 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
74175294	8	Schedule 120	219	18.26	127	--	45	21.59
141008239	8	Schedule 140	219	20.62	127	--	45	26
105395202	8	XXS	219	22.23	127	--	45	27
36968338	8	Schedule 160	219	23.01	127	--	45	29
102274271	10	Schedule 20	273	6.35	159	--	45	18.5
159275925	10	Schedule 30	273	7.8	159	--	45	19.65
23577794	10	STD	273	9.27	159	--	45	20.5
31443298	10	Schedule 60	273	12.7	159	--	45	24.3
253086087	10	XS	273	12.7	159	--	45	24.3
114841925	10	Schedule 80	273	15.09	159	--	45	30
158686410	10	Schedule 100	273	18.26	159	--	45	37.55
188398052	10	Schedule 120	273	21.44	159	--	45	41.77
120689979	10	Schedule 140	273	25.4	159	--	45	48.5
212437370	10	XXS	273	25.4	159	--	45	48.5
232851651	10	Schedule 160	273	28.57	159	--	45	61
256581430	12	Schedule 20	324	6.35	190	--	45	24.75

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

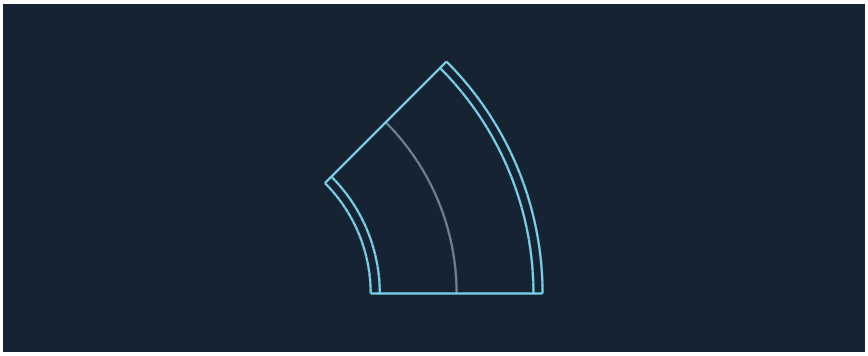
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

6/13

200 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
104607166	12	Schedule 30	324	8.38	190	--	45	26.03
178137704	12	STD	324	9.52	190	--	45	27
83114654	12	Schedule 40	324	10.31	190	--	45	29.57
215180196	12	XS	324	12.7	190	--	45	35
207414768	12	Schedule 60	324	14.27	190	--	45	41.31
14822424	12	Schedule 80	324	17.48	190	--	45	49.94
133832285	12	Schedule 100	324	21.44	190	--	45	61.5
206943053	12	Schedule 120	324	25.4	190	--	45	70.82
35036724	12	XXS	324	25.4	190	--	45	70.8
146701592	12	Schedule 140	324	28.57	190	--	45	79
239998333	12	Schedule 160	324	33.32	190	--	45	90.34
36173423	14	Schedule 10	356	6.35	222	--	45	25
166875103	14	Schedule 20	356	7.92	222	--	45	32
162275207	14	STD	356	9.52	222	--	45	34
116692182	14	Schedule 30	356	9.52	222	--	45	34
219006841	14	Schedule 40	356	11.13	222	--	45	39.98

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

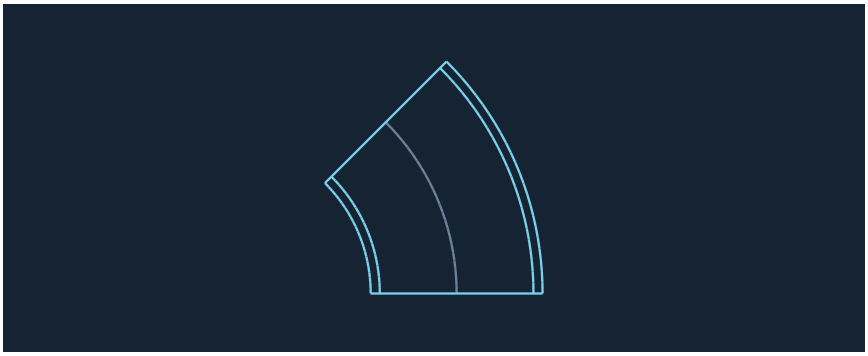
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

7/13

200 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
263634436	14	XS	356	12.7	222	--	45	47.17
19488830	14	Schedule 60	356	15.09	222	--	45	55.84
141167456	14	Schedule 80	356	19.05	222	--	45	69.92
52216588	14	Schedule 100	356	23.83	222	--	45	94
149997798	14	Schedule 120	356	27.79	222	--	45	95
49525493	14	Schedule 140	356	31.75	222	--	45	112
60857840	14	Schedule 160	356	35.71	222	--	45	123.94
172249739	16	Schedule 10	406	6.35	254	--	45	32
186709607	16	Schedule 20	406	7.92	254	--	45	46.5
185255374	16	STD	406	9.52	254	--	45	48
249053197	16	Schedule 30	406	9.52	254	--	45	48
144354546	16	Schedule 40	406	12.7	254	--	45	62.37
227728868	16	XS	406	12.7	254	--	45	62.37
235052246	16	Schedule 60	406	16.66	254	--	45	80.81
232693696	16	Schedule 80	406	21.44	254	--	45	102.15
186946019	16	Schedule 100	406	26.19	254	--	45	130

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

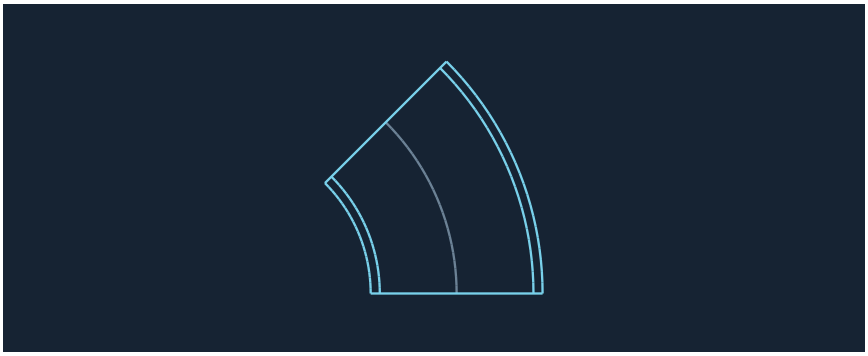
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

8/13

200 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
156178147	16	Schedule 120	406	30.96	254	--	45	137
234835035	16	Schedule 140	406	36.53	254	--	45	161.5
82545893	16	Schedule 160	406	40.49	254	--	45	183
230058383	18	Schedule 10	457	6.35	286	--	45	41
230896447	18	Schedule 20	457	7.92	286	--	45	56
140226410	18	STD	457	9.52	286	--	45	60
267379576	18	Schedule 30	457	11.13	286	--	45	69.91
122524769	18	XS	457	12.7	286	--	45	79
48527089	18	Schedule 40	457	14.27	286	--	45	88.53
31848806	18	Schedule 60	457	19.05	286	--	45	115.77
217244830	18	Schedule 80	457	23.83	286	--	45	143.92
225958774	18	Schedule 100	457	29.36	286	--	45	195
110788070	18	Schedule 120	457	34.93	286	--	45	202.5
263600680	18	Schedule 140	457	39.67	286	--	45	211
183273963	18	Schedule 160	457	45.24	286	--	45	272
164005204	20	Schedule 10	508	6.35	318	--	45	50

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

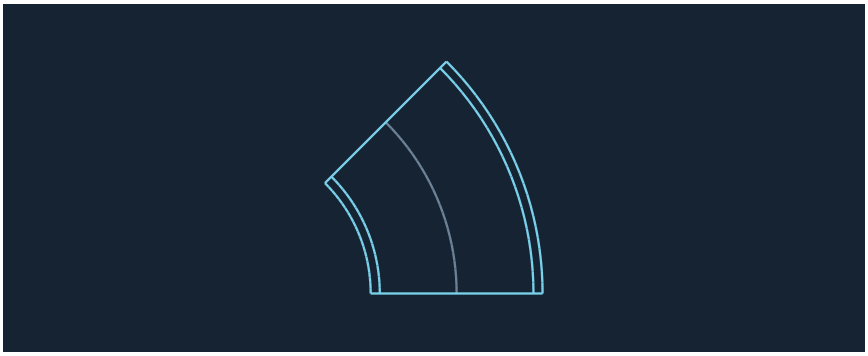
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

9/13

200 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
228418790	20	STD	508	9.52	318	--	45	71.2
236880578	20	Schedule 30	508	12.7	318	--	45	97.16
97797813	20	XS	508	12.7	318	--	45	97.16
49039714	20	Schedule 40	508	15.09	318	--	45	114
78596313	20	Schedule 60	508	20.62	318	--	45	155.72
224338335	20	Schedule 80	508	26.18	318	--	45	195.67
219420930	20	Schedule 100	508	32.54	318	--	45	238
197764942	20	Schedule 120	508	38.1	318	--	45	254
126072600	20	Schedule 140	508	44.45	318	--	45	303.5
174502440	20	Schedule 160	508	50.01	318	--	45	385
159174806	22	Schedule 10	559	6.35	343	--	45	60
249856053	22	STD	559	9.52	343	--	45	89
71159064	22	Schedule 20	559	9.52	343	--	45	89
111641963	22	Schedule 30	559	12.7	343	--	45	128.1
70351926	22	XS	559	12.7	343	--	45	118
263854614	22	Schedule 60	559	22.22	343	--	45	205.35

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

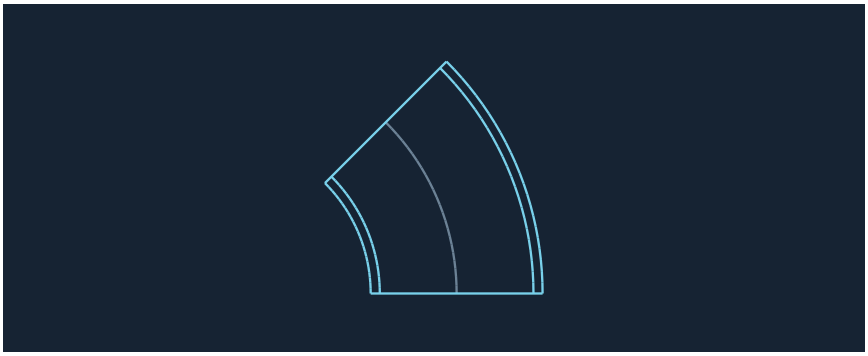
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

10/13

200 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
138475289	22	Schedule 80	559	28.58	343	--	45	256.7
10633428	22	Schedule 100	559	34.92	343	--	45	329
29987035	22	Schedule 120	559	41.27	343	--	45	365
93845369	22	Schedule 140	559	47.62	343	--	45	425
111077731	22	Schedule 160	559	53.97	343	--	45	510
201026328	24	Schedule 10	610	6.35	381	--	45	73
65302269	24	STD	610	9.52	381	--	45	102.95
9497525	24	XS	610	12.7	381	--	45	141.2
204532538	24	Schedule 30	610	14.27	381	--	45	159.35
114661461	24	Schedule 40	610	17.48	381	--	45	192.04
86710856	24	Schedule 60	610	24.61	381	--	45	266.95
206892484	24	Schedule 80	610	30.96	381	--	45	333.7
252038305	24	Schedule 100	610	38.89	381	--	45	410
72562359	24	Schedule 120	610	46.02	381	--	45	477
51397767	24	Schedule 140	610	52.37	381	--	45	545
143323524	24	Schedule 160	610	59.54	381	--	45	635

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

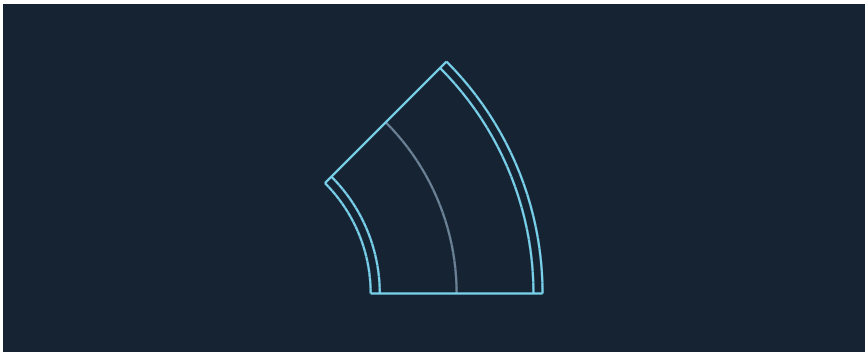
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

11/13

200 catalog variants / entries 161-176. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
248580426	26	Schedule 10	660	7.92	406	--	45	104
133943885	26	STD	660	9.52	406	--	45	124.9
148564218	26	XS	660	12.7	406	--	45	165.71
164819256	28	Schedule 10	711	7.92	438	--	45	121
210304261	28	STD	711	9.52	438	--	45	150
112129123	28	XS	711	12.7	438	--	45	202
89393610	28	Schedule 30	711	15.88	438	--	45	239
248824676	30	Schedule 10	762	7.92	470	--	45	139
157112675	30	STD	762	9.52	470	--	45	167
225366952	30	Schedule 20	762	12.7	470	--	45	220
4959892	30	XS	762	12.7	470	--	45	220
252808774	30	Schedule 30	762	15.88	470	--	45	275
136847369	32	Schedule 10	813	7.92	502	--	45	158
20164244	32	STD	813	9.52	502	--	45	193
226729076	32	Schedule 20	813	12.7	502	--	45	255
186172754	32	XS	813	12.7	502	--	45	255

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

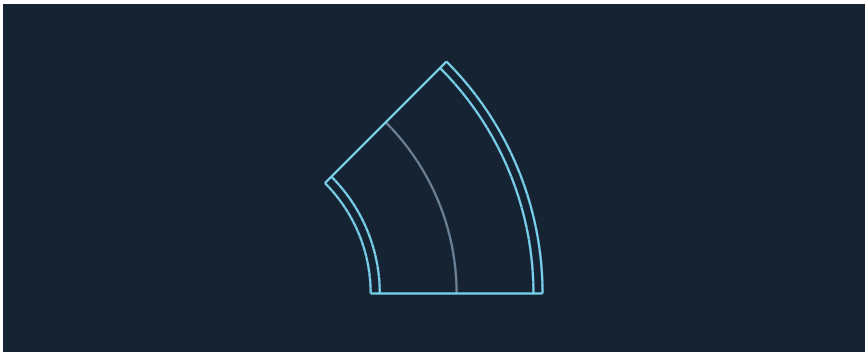
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

12/13

200 catalog variants / entries 177-192. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
59251144	32	Schedule 30	813	15.88	502	--	45	313
101777285	32	Schedule 40	813	17.48	502	--	45	344
241422548	34	Schedule 10	864	7.92	533	--	45	178
221318598	34	STD	864	9.52	533	--	45	215
219213440	34	XS	864	12.7	533	--	45	280
180947131	34	Schedule 30	864	15.88	533	--	45	354
128501862	34	Schedule 40	864	17.48	533	--	45	389
4954559	36	Schedule 10	914	7.92	565	--	45	200
13999530	36	STD	914	9.52	565	--	45	241
94189132	36	XS	914	12.7	565	--	45	312
182958971	36	Schedule 30	914	15.88	565	--	45	398
73039208	36	Schedule 40	914	19.05	565	--	45	476
190299024	38	STD	965	9.52	600	--	45	272
256379632	38	XS	965	12.7	600	--	45	354
95965530	40	STD	1016	9.52	632	--	45	290
131752824	40	XS	1016	12.7	632	--	45	372

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

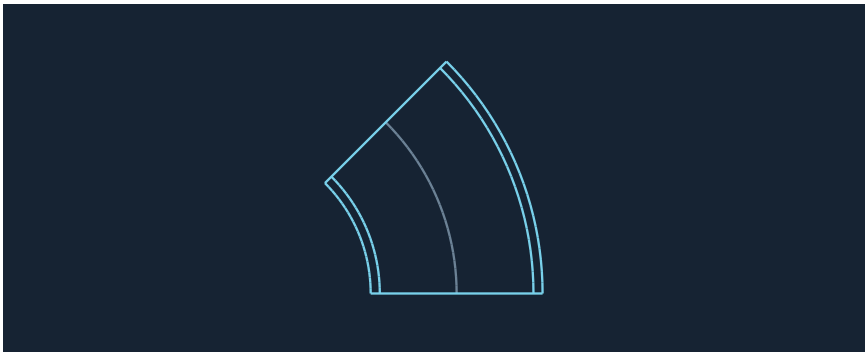
02 / PIPES AND FITTINGS

Dimensions and variants

CS 45 LR elbows

13/13

200 catalog variants / entries 193-200. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
200023743	42	STD	1067	9.52	660	--	45	327
257915533	42	XS	1067	12.7	660	--	45	420
264805160	44	STD	1118	9.52	695	--	45	363
20363883	44	XS	1118	12.7	695	--	45	488
99546363	46	STD	1168	9.52	727	--	45	408
115834409	46	XS	1168	12.7	727	--	45	530
248360663	48	STD	1219	9.52	759	--	45	443
118172084	48	XS	1219	12.7	759	--	45	567

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

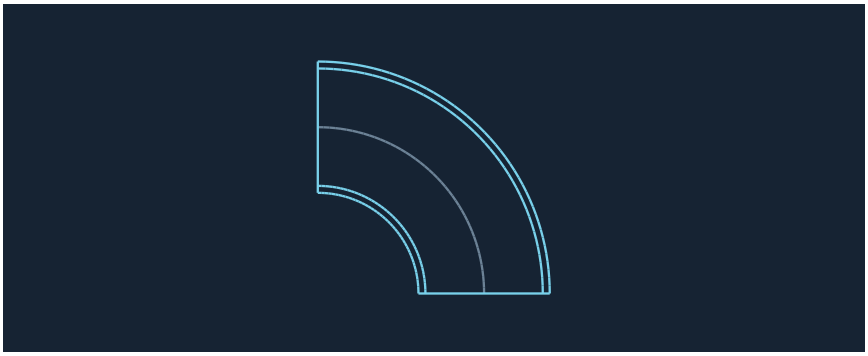
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

1/13

200 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
110099816	1/2	Schedule 30	21	2.41	38	--	90	--
126073827	1/2	STD	21	2.77	38	--	90	0.08
211357899	1/2	XS	21	3.73	38	--	90	0.18
111477055	1/2	Schedule 160	21	4.78	38	--	90	0.22
94276004	1/2	XXS	21	7.47	38	--	90	--
254779319	1	Schedule 30	33	2.9	38	--	90	--
208094714	1	STD	33	3.38	38	--	90	0.15
51322093	1	XS	33	4.55	38	--	90	0.2
39105750	1	Schedule 160	33	6.35	38	--	90	0.3
46816250	1	XXS	33	9.09	38	--	90	0.4
17471530	1 1/4	Schedule 30	42	2.97	48	--	90	--
155199058	1 1/4	STD	42	3.56	48	--	90	0.25
20247458	1 1/4	XS	42	4.85	48	--	90	0.35
136130737	1 1/4	Schedule 160	42	6.35	48	--	90	0.44
138508134	1 1/4	XXS	42	9.7	48	--	90	0.61
107829310	1 1/2	Schedule 30	48	3.18	57	--	90	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

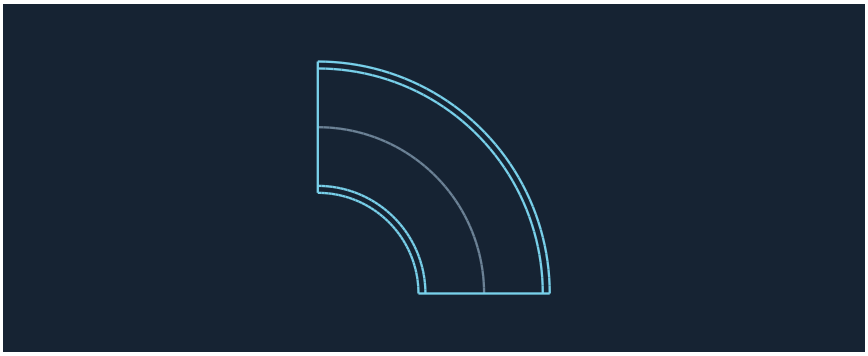
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

2/13

200 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
94213801	1 1/2	STD	48	3.68	57	--	90	0.36
189292330	1 1/2	XS	48	5.08	57	--	90	0.6
167899237	1 1/2	Schedule 160	48	7.13	57	--	90	0.8
189591609	1 1/2	XXS	48	10.16	57	--	90	0.9
96030929	2	Schedule 30	60	3.18	76	--	90	--
212283179	2	STD	60	3.91	76	--	90	0.65
113122270	2	Schedule 40	60	3.91	76	--	90	0.65
170719034	2	Schedule 80	60	5.54	76	--	90	0.94
99527468	2	XS	60	5.54	76	--	90	0.94
189085580	2	Schedule 160	60	8.74	76	--	90	1.5
215065131	2	XXS	60	11.07	76	--	90	1.8
83648355	2 1/2	Schedule 30	73	4.78	95	--	90	--
123306391	2 1/2	STD	73	5.16	95	--	90	1.28
109341358	2 1/2	XS	73	7.01	95	--	90	1.7
71721982	2 1/2	Schedule 160	73	9.52	95	--	90	2.35
179885267	2 1/2	XXS	73	14.02	95	--	90	3.21

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

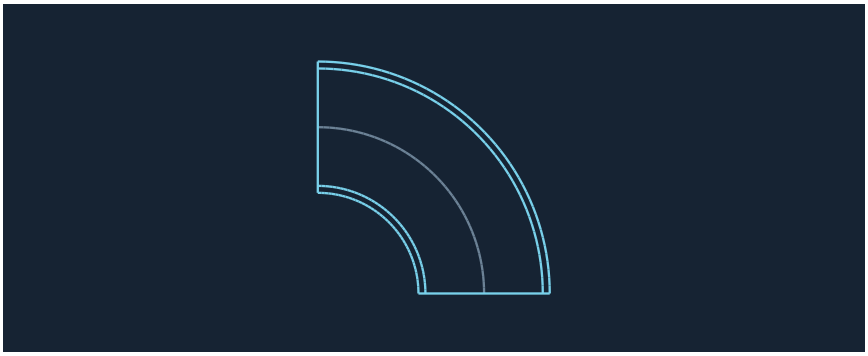
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

3/13

200 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
82126702	3	Schedule 30	89	4.78	114	--	90	--
108306081	3	STD	89	5.49	114	--	90	2.03
139353847	3	Schedule 40	89	5.49	114	--	90	2.03
148068128	3	Schedule 80	89	7.62	114	--	90	2.75
93580604	3	XS	89	7.62	114	--	90	2.75
239952849	3	Schedule 160	89	11.13	114	--	90	4
175718380	3	XXS	89	15.24	114	--	90	5.2
49581872	3 1/2	Schedule 30	102	4.78	133	--	90	--
25632158	3 1/2	STD	102	5.74	133	--	90	2.87
143915601	3 1/2	XS	102	8.08	133	--	90	3.95
51408407	4	Schedule 30	114	4.78	152	--	90	--
123342703	4	STD	114	6.02	152	--	90	3.9
233032335	4	XS	114	8.56	152	--	90	5.4
97603678	4	Schedule 120	114	11.13	152	--	90	6.95
34009411	4	Schedule 160	114	13.5	152	--	90	9
188491001	4	XXS	114	17.12	152	--	90	10.3

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

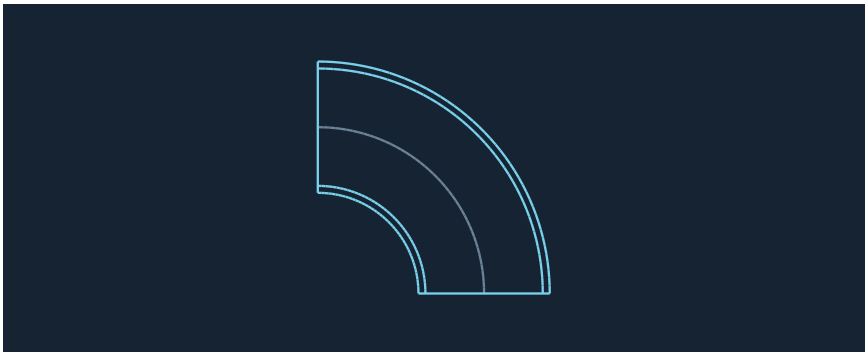
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

4/13

200 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
255421111	5	STD	141	6.55	190	--	90	6.5
143525843	5	XS	141	9.52	190	--	90	8.85
77052953	5	Schedule 120	141	12.7	190	--	90	12.62
10545398	5	Schedule 160	141	15.87	190	--	90	15.44
8534599	5	XXS	141	19.05	190	--	90	18.11
258516841	6	STD	168	7.11	229	--	90	10.2
211987004	6	XS	168	10.97	229	--	90	15.35
153543963	6	Schedule 120	168	14.27	229	--	90	23
81073333	6	Schedule 160	168	18.26	229	--	90	27
79007607	6	XXS	168	21.95	229	--	90	30
264227236	8	Schedule 20	219	6.35	305	--	90	16.57
56492371	8	Schedule 30	219	7.03	305	--	90	17.5
119093994	8	STD	219	8.18	305	--	90	20.3
187042791	8	Schedule 60	219	10.31	305	--	90	26.3
61619908	8	XS	219	12.7	305	--	90	29.9
95177939	8	Schedule 100	219	15.09	305	--	90	38

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

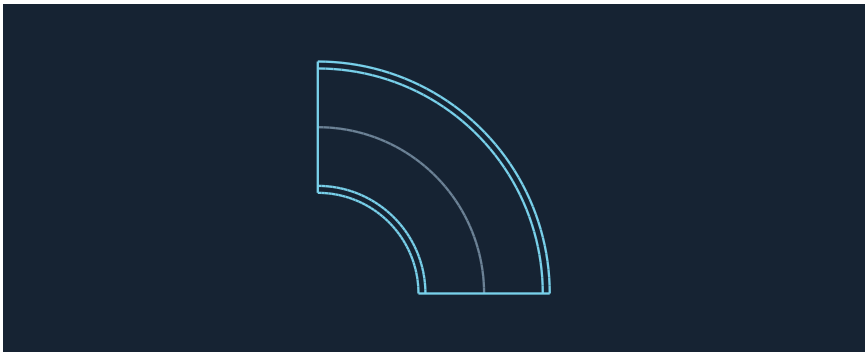
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

5/13

200 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
223263358	8	Schedule 120	219	18.26	305	--	90	40.5
243356004	8	Schedule 140	219	20.62	305	--	90	52
78844977	8	XXS	219	22.23	305	--	90	54.5
242884572	8	Schedule 160	219	23.01	305	--	90	58
66933906	10	Schedule 20	273	6.35	381	--	90	25.79
202652738	10	Schedule 30	273	7.8	381	--	90	31.3
186769326	10	STD	273	9.27	381	--	90	37
60397189	10	Schedule 60	273	12.7	381	--	90	48.6
253134357	10	XS	273	12.7	381	--	90	48.6
22559163	10	Schedule 80	273	15.09	381	--	90	57.11
234906883	10	Schedule 100	273	18.26	381	--	90	75
198559348	10	Schedule 120	273	21.44	381	--	90	85
248922108	10	Schedule 140	273	25.4	381	--	90	97
135771185	10	XXS	273	25.4	381	--	90	97
252852480	10	Schedule 160	273	28.57	381	--	90	123
1458582	12	Schedule 20	324	6.35	457	--	90	37.23

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

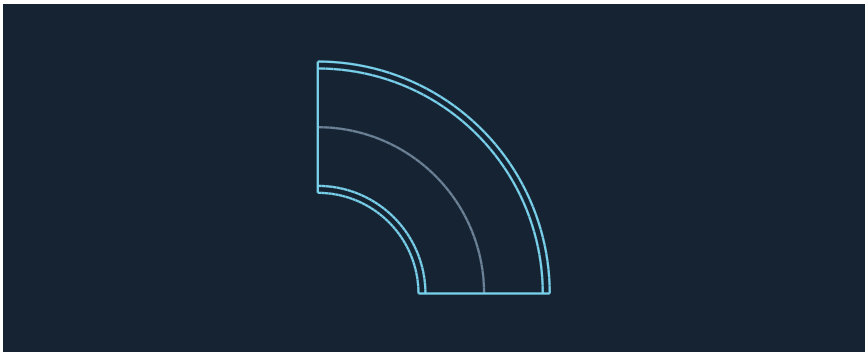
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

6/13

200 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
56894783	12	Schedule 30	324	8.38	457	--	90	46.06
246921058	12	STD	324	9.52	457	--	90	54
177745330	12	Schedule 40	324	10.31	457	--	90	58.15
223117844	12	XS	324	12.7	457	--	90	70
123936212	12	Schedule 60	324	14.27	457	--	90	82.62
54907504	12	Schedule 80	324	17.48	457	--	90	94.82
39016560	12	Schedule 100	324	21.44	457	--	90	123
179298530	12	Schedule 120	324	25.4	457	--	90	140
7387159	12	XXS	324	25.4	457	--	90	140
156440596	12	Schedule 140	324	28.57	457	--	90	157
241801285	12	Schedule 160	324	33.32	457	--	90	180
165639084	14	Schedule 10	356	6.35	533	--	90	57.47
32082223	14	Schedule 20	356	7.92	533	--	90	59.93
145606394	14	STD	356	9.52	533	--	90	68
237562426	14	Schedule 30	356	9.52	533	--	90	68
154465207	14	Schedule 40	356	11.13	533	--	90	79.96

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

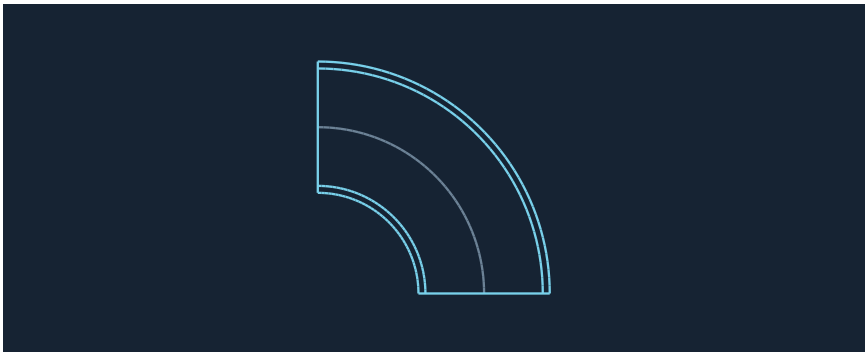
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

7/13

200 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
141373541	14	XS	356	12.7	533	--	90	94.35
37542539	14	Schedule 60	356	15.09	533	--	90	111.26
57747190	14	Schedule 80	356	19.05	533	--	90	132.16
224203571	14	Schedule 100	356	23.83	533	--	90	188
205855273	14	Schedule 120	356	27.79	533	--	90	190
251150840	14	Schedule 140	356	31.75	533	--	90	224
180313611	14	Schedule 160	356	35.71	533	--	90	247.5
97459104	16	Schedule 10	406	6.35	610	--	90	63.2
74888844	16	Schedule 20	406	7.92	610	--	90	78.09
104786063	16	STD	406	9.52	610	--	90	89.2
115080285	16	Schedule 30	406	9.52	610	--	90	89.2
103290775	16	Schedule 40	406	12.7	610	--	90	124.75
179429136	16	XS	406	12.7	610	--	90	124.75
89153824	16	Schedule 60	406	16.66	610	--	90	161.17
243592136	16	Schedule 80	406	21.44	610	--	90	204.3
10215492	16	Schedule 100	406	26.19	610	--	90	260

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

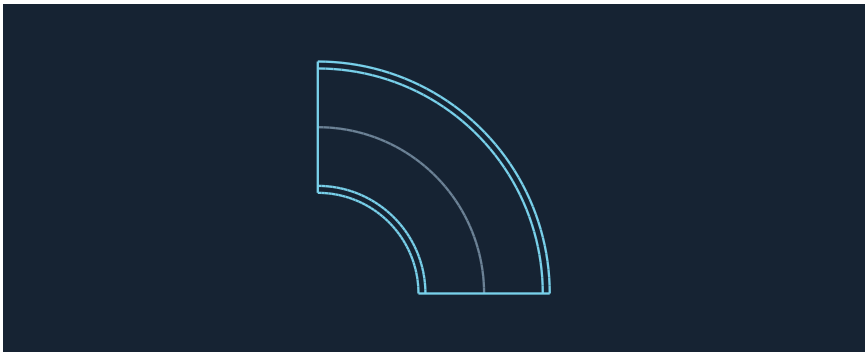
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

8/13

200 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
96786866	16	Schedule 120	406	30.96	610	--	90	274
51405334	16	Schedule 140	406	36.53	610	--	90	323
138657552	16	Schedule 160	406	40.49	610	--	90	367
241813501	18	Schedule 10	457	6.35	686	--	90	82
188268368	18	Schedule 20	457	7.92	686	--	90	99.43
167284981	18	STD	457	9.52	686	--	90	112.9
35149958	18	Schedule 30	457	11.13	686	--	90	139.83
217767759	18	XS	457	12.7	686	--	90	157.5
179689320	18	Schedule 40	457	14.27	686	--	90	177.06
72802036	18	Schedule 60	457	19.05	686	--	90	231.54
203538815	18	Schedule 80	457	23.83	686	--	90	287.84
112998851	18	Schedule 100	457	29.36	686	--	90	390
67712320	18	Schedule 120	457	34.93	686	--	90	405
50481759	18	Schedule 140	457	39.67	686	--	90	422
81081462	18	Schedule 160	457	45.24	686	--	90	545
105922792	20	Schedule 10	508	6.35	762	--	90	100

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

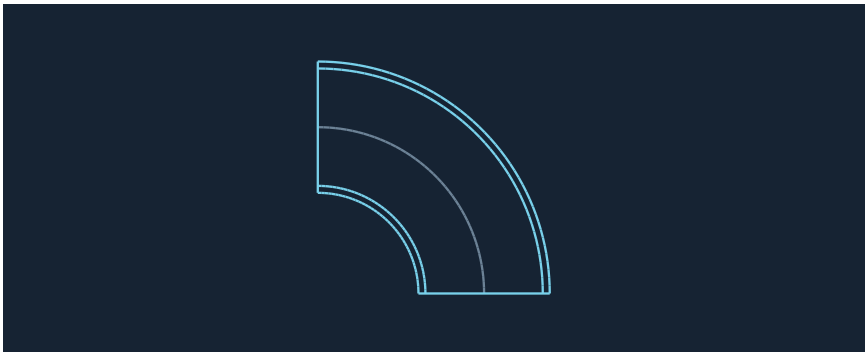
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

9/13

200 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
201857316	20	STD	508	9.52	762	--	90	142.4
29775718	20	Schedule 30	508	12.7	762	--	90	194.3
130147593	20	XS	508	12.7	762	--	90	194.3
192605090	20	Schedule 40	508	15.09	762	--	90	230
190611847	20	Schedule 60	508	20.62	762	--	90	311.44
205864963	20	Schedule 80	508	26.18	762	--	90	390.9
215343693	20	Schedule 100	508	32.54	762	--	90	476
107532161	20	Schedule 120	508	38.1	762	--	90	508
165854347	20	Schedule 140	508	44.45	762	--	90	607
170798934	20	Schedule 160	508	50.01	762	--	90	770
121433204	22	Schedule 10	559	6.35	838	--	90	120
214346824	22	STD	559	9.52	838	--	90	178
159775747	22	Schedule 20	559	9.52	838	--	90	178
78709497	22	Schedule 30	559	12.7	838	--	90	250.2
25558948	22	XS	559	12.7	838	--	90	236
227321430	22	Schedule 60	559	22.22	838	--	90	412.7

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

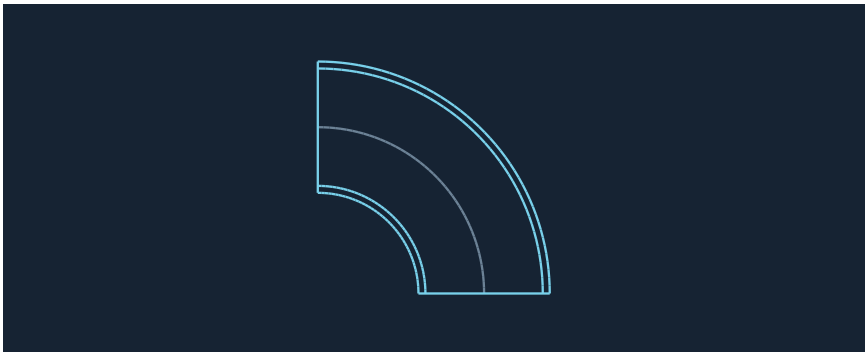
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

10/13

200 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
26007739	22	Schedule 80	559	28.58	838	--	90	523.4
29291779	22	Schedule 100	559	34.92	838	--	90	638
183406274	22	Schedule 120	559	41.27	838	--	90	700
198491818	22	Schedule 140	559	47.62	838	--	90	850
195808299	22	Schedule 160	559	53.97	838	--	90	1020
16574975	24	Schedule 10	610	6.35	914	--	90	146
20325859	24	STD	610	9.52	914	--	90	202
134623585	24	XS	610	12.7	914	--	90	268.5
207588468	24	Schedule 30	610	14.27	914	--	90	318.7
105877831	24	Schedule 40	610	17.48	914	--	90	384
46443816	24	Schedule 60	610	24.61	914	--	90	533.9
230904311	24	Schedule 80	610	30.96	914	--	90	667.4
161859048	24	Schedule 100	610	38.89	914	--	90	820
173950144	24	Schedule 120	610	46.02	914	--	90	954
125271897	24	Schedule 140	610	52.37	914	--	90	1100
266404770	24	Schedule 160	610	59.54	914	--	90	1270

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

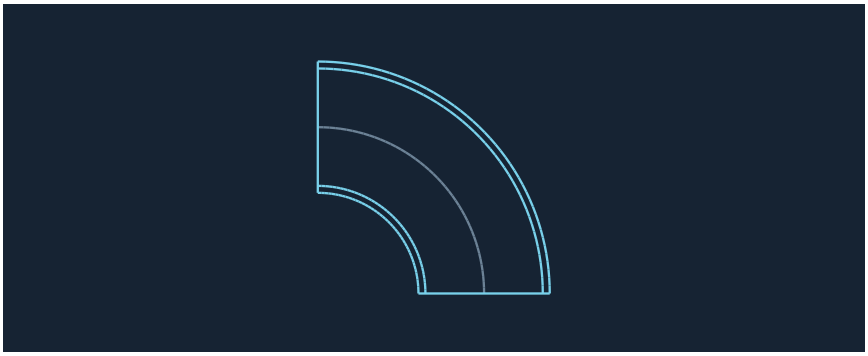
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

11/13

200 catalog variants / entries 161-176. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
14565890	26	Schedule 10	660	7.92	991	--	90	208
192752643	26	STD	660	9.52	991	--	90	270
168988926	26	XS	660	12.7	991	--	90	348
63881759	28	Schedule 10	711	7.92	1067	--	90	242
235007098	28	STD	711	9.52	1067	--	90	300
78913810	28	XS	711	12.7	1067	--	90	404
106456753	28	Schedule 30	711	15.88	1067	--	90	478
154715938	30	Schedule 10	762	7.92	1143	--	90	278
172734902	30	STD	762	9.52	1143	--	90	333
20741910	30	Schedule 20	762	12.7	1143	--	90	441
88673607	30	XS	762	12.7	1143	--	90	441
47384209	30	Schedule 30	762	15.88	1143	--	90	550
194991011	32	Schedule 10	813	7.92	1219	--	90	316
4274626	32	STD	813	9.52	1219	--	90	390
95290983	32	Schedule 20	813	12.7	1219	--	90	510
175750081	32	XS	813	12.7	1219	--	90	510

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

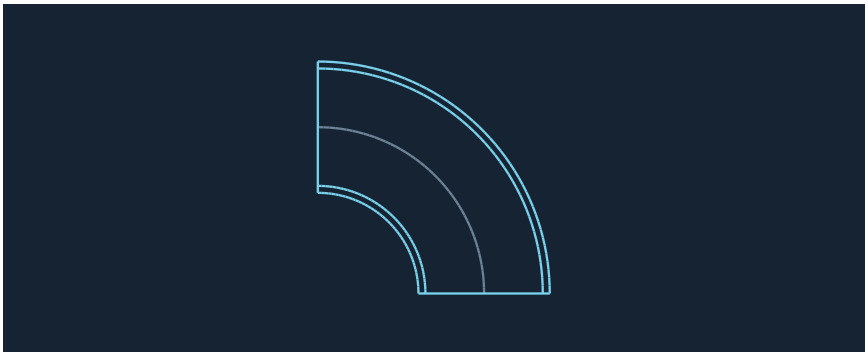
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

12/13

200 catalog variants / entries 177-192. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
265364379	32	Schedule 30	813	15.88	1219	--	90	627
130584163	32	Schedule 40	813	17.48	1219	--	90	689
273991	34	Schedule 10	864	7.92	1295	--	90	357
71873699	34	STD	864	9.52	1295	--	90	430
154451874	34	XS	864	12.7	1295	--	90	560
198207458	34	Schedule 30	864	15.88	1295	--	90	708
16486042	34	Schedule 40	864	17.48	1295	--	90	778
88547741	36	Schedule 10	914	7.92	1372	--	90	400
21159611	36	STD	914	9.52	1372	--	90	482
245868210	36	XS	914	12.7	1372	--	90	625
152487379	36	Schedule 30	914	15.88	1372	--	90	795
130700023	36	Schedule 40	914	19.05	1372	--	90	951
206071953	38	STD	965	9.53	1448	--	90	540
14692344	38	XS	965	12.7	1448	--	90	710
46893406	40	STD	1016	9.52	1524	--	90	580
71179962	40	XS	1016	12.7	1524	--	90	745

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

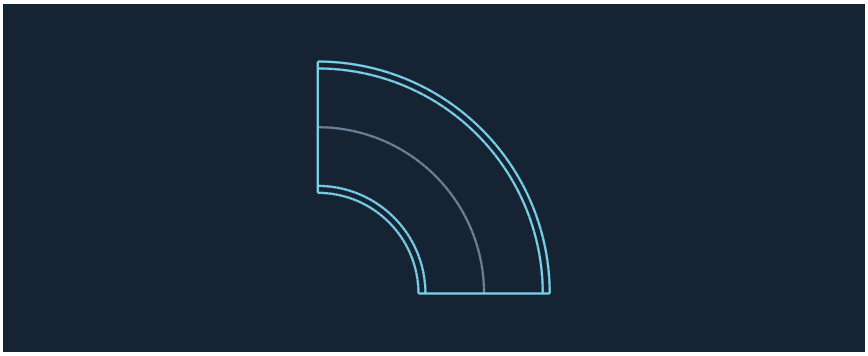
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 LR elbows

13/13

200 catalog variants / entries 193-200. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
225519833	42	STD	1067	9.52	1600	--	90	655
183271632	42	XS	1067	12.7	1600	--	90	840
149416261	44	STD	1118	9.53	1676	--	90	726
105193253	44	XS	1118	12.7	1676	--	90	970
11557363	46	STD	1168	9.53	1753	--	90	816
265107692	46	XS	1168	12.7	1753	--	90	1055
88960256	48	STD	1219	9.52	1829	--	90	885
31133936	48	XS	1219	12.7	1829	--	90	1134

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

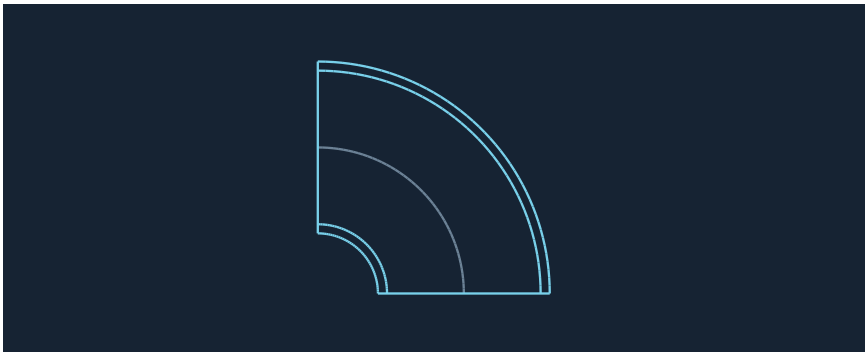
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

1/11

171 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
262873632	1	Schedule 30	33	2.9	25	--	90	--
224879304	1	STD	33	3.38	25	--	90	0.1
219219681	1	Schedule 40	33	3.38	25	--	90	0.1
235355514	1	Schedule 80	33	4.55	25	--	90	0.13
107583784	1	XS	33	4.55	25	--	90	0.13
203543484	1	Schedule 160	33	6.35	25	--	90	0.18
69705545	1	XXS	33	9.09	25	--	90	0.23
181004044	1 1/4	Schedule 30	42	2.97	32	--	90	--
69205375	1 1/4	STD	42	3.56	32	--	90	0.16
263169456	1 1/4	Schedule 40	42	3.56	32	--	90	0.16
50272416	1 1/4	Schedule 80	42	4.85	32	--	90	0.23
124045302	1 1/4	XS	42	4.85	32	--	90	0.23
26117457	1 1/4	Schedule 160	42	6.35	32	--	90	0.29
27679119	1 1/4	XXS	42	9.7	32	--	90	0.41
173144894	1 1/2	Schedule 30	48	3.18	38	--	90	--
204378695	1 1/2	STD	48	3.68	38	--	90	0.24

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

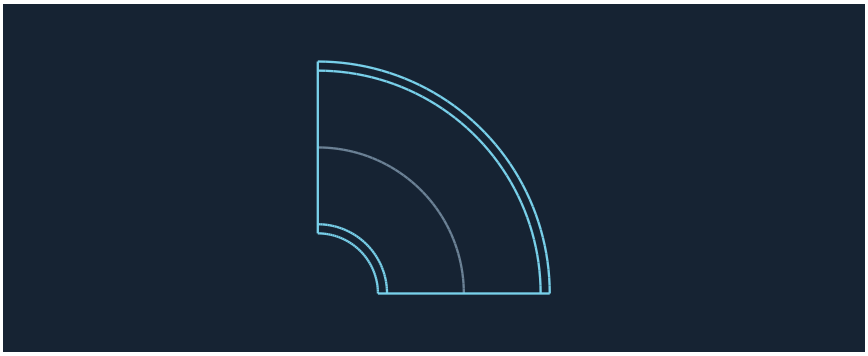
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

2/11

171 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
142772123	1 1/2	Schedule 40	48	3.68	38	--	90	0.24
172734189	1 1/2	Schedule 80	48	5.08	38	--	90	0.3
112897941	1 1/2	XS	48	5.08	38	--	90	0.3
241126387	1 1/2	Schedule 160	48	7.13	38	--	90	0.45
62281513	1 1/2	XXS	48	10.16	38	--	90	0.6
109001019	2	Schedule 30	60	3.18	51	--	90	--
264708251	2	STD	60	3.91	51	--	90	0.43
63691632	2	Schedule 40	60	3.91	51	--	90	0.43
71278607	2	Schedule 80	60	5.54	51	--	90	0.6
104018932	2	XS	60	5.54	51	--	90	0.6
4994613	2	Schedule 160	60	8.74	51	--	90	0.93
148589881	2	XXS	60	11.07	51	--	90	1.13
184289331	2 1/2	Schedule 30	73	4.78	64	--	90	--
177035891	2 1/2	STD	73	5.16	64	--	90	0.82
20243648	2 1/2	Schedule 40	73	5.16	64	--	90	0.82
244696556	2 1/2	Schedule 80	73	7.01	64	--	90	1.15

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

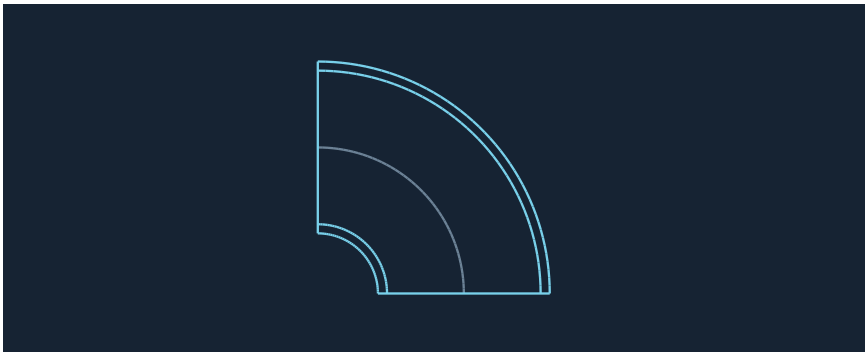
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

3/11

171 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
219030556	2 1/2	XS	73	7.01	64	--	90	1.15
66068693	2 1/2	Schedule 160	73	9.52	64	--	90	1.56
178955468	2 1/2	XXS	73	14.02	64	--	90	2.03
251584240	3	Schedule 30	89	4.78	76	--	90	--
2751679	3	STD	89	5.49	76	--	90	1.35
242749900	3	Schedule 40	89	5.49	76	--	90	1.35
109035696	3	Schedule 80	89	7.62	76	--	90	1.85
142873184	3	XS	89	7.62	76	--	90	1.85
274317	3	Schedule 160	89	11.13	76	--	90	2.68
90133854	3	XXS	89	15.24	76	--	90	3.47
122785912	3 1/2	Schedule 30	102	4.78	89	--	90	--
163283359	3 1/2	STD	102	5.74	89	--	90	1.9
180384444	3 1/2	Schedule 40	102	5.74	89	--	90	1.9
252773460	3 1/2	Schedule 80	102	8.08	89	--	90	2.6
64619384	3 1/2	XS	102	8.08	89	--	90	2.6
154278571	4	Schedule 30	114	4.78	102	--	90	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

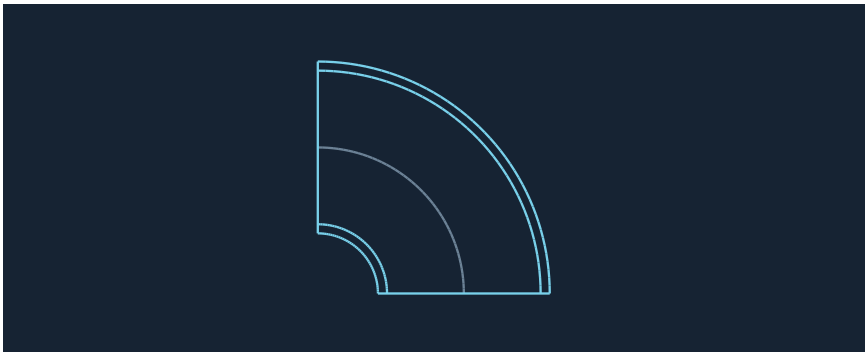
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

4/11

171 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
27587029	4	STD	114	6.02	102	--	90	2.6
262144600	4	Schedule 40	114	6.02	102	--	90	2.6
79088485	4	Schedule 80	114	8.56	102	--	90	3.55
187240749	4	XS	114	8.56	102	--	90	3.55
2641274	4	Schedule 120	114	11.13	102	--	90	4.72
229746641	4	Schedule 160	114	13.5	102	--	90	5.62
111749301	4	XXS	114	17.12	102	--	90	6.86
187647853	5	STD	141	6.55	127	--	90	4.35
9881368	5	Schedule 40	141	6.55	127	--	90	4.35
187967397	5	Schedule 80	141	9.52	127	--	90	6.2
128466891	5	XS	141	9.52	127	--	90	6.2
128647744	5	Schedule 120	141	12.7	127	--	90	8.44
23105538	5	Schedule 160	141	15.87	127	--	90	10.28
215398474	5	XXS	141	19.05	127	--	90	12.02
111311129	6	STD	168	7.11	152	--	90	6.45
261085976	6	Schedule 40	168	7.11	152	--	90	6.45

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

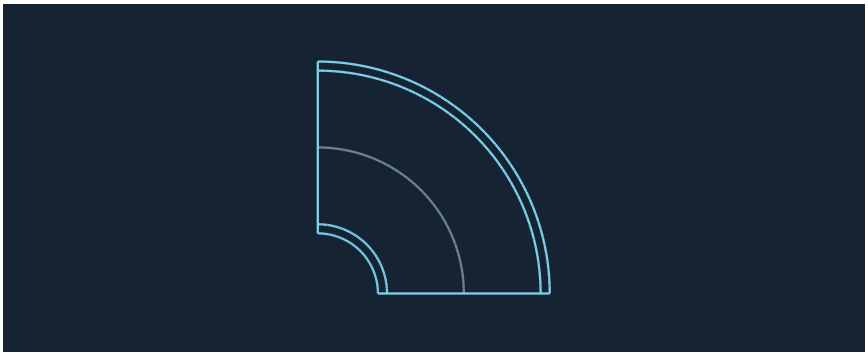
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

5/11

171 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
251315433	6	Schedule 80	168	10.97	152	--	90	10.2
173443608	6	XS	168	10.97	152	--	90	10.2
234102121	6	Schedule 120	168	14.27	152	--	90	13.62
212658068	6	Schedule 160	168	18.26	152	--	90	16.97
234593351	6	XXS	168	21.95	152	--	90	19.9
52002795	8	Schedule 20	219	6.35	203	--	90	11.1
23214144	8	Schedule 30	219	7.03	203	--	90	12.26
175371547	8	STD	219	8.18	203	--	90	16.5
1593843	8	Schedule 60	219	10.31	203	--	90	17.75
30562247	8	XS	219	12.7	203	--	90	22.5
90403337	8	Schedule 100	219	15.09	203	--	90	26.4
206405227	8	Schedule 120	219	18.26	203	--	90	30
68987063	8	Schedule 140	219	20.62	203	--	90	32
158230361	8	XXS	219	22.23	203	--	90	36.12
82088474	8	Schedule 160	219	23.01	203	--	90	37
57713996	10	Schedule 20	273	6.35	254	--	90	17.35

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

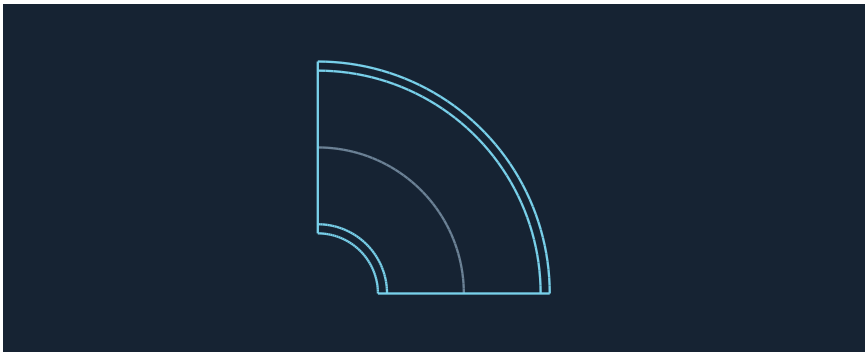
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

6/11

171 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
65256362	10	Schedule 30	273	7.8	254	--	90	21.25
40074451	10	STD	273	9.27	254	--	90	31.15
216406887	10	Schedule 60	273	12.7	254	--	90	31.15
229431737	10	XS	273	12.7	254	--	90	31.15
45301991	10	Schedule 80	273	15.09	254	--	90	40
64750954	10	Schedule 100	273	18.26	254	--	90	50
91549970	10	Schedule 120	273	21.44	254	--	90	53
35795220	10	Schedule 140	273	25.4	254	--	90	62
220276657	10	XXS	273	25.4	254	--	90	64.94
256751419	10	Schedule 160	273	28.57	254	--	90	72
15780104	12	Schedule 20	324	6.35	305	--	90	25
63403991	12	Schedule 30	324	8.38	305	--	90	32.78
57729407	12	STD	324	9.52	305	--	90	45
214323004	12	Schedule 40	324	10.31	305	--	90	40
116701172	12	XS	324	12.7	305	--	90	49.03
185921254	12	Schedule 60	324	14.22	305	--	90	54.93

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

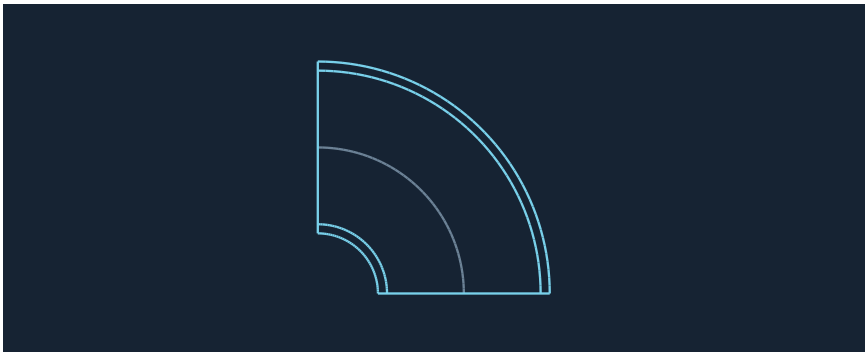
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

7/11

171 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
200816451	12	Schedule 80	324	17.48	305	--	90	66.28
93779304	12	Schedule 100	324	21.44	305	--	90	81
70190549	12	Schedule 120	324	25.4	305	--	90	92
237651454	12	XXS	324	25.4	305	--	90	93.91
232851287	12	Schedule 140	324	28.57	305	--	90	99
266034788	12	Schedule 160	324	33.32	305	--	90	120
265143998	14	Schedule 10	356	6.35	356	--	90	30.5
110596326	14	Schedule 20	356	7.92	356	--	90	39.5
162203063	14	STD	356	9.52	356	--	90	52.5
3040043	14	Schedule 30	356	9.52	356	--	90	52.5
114807054	14	Schedule 40	356	11.12	356	--	90	55.39
221831438	14	XS	356	12.7	356	--	90	63.11
83128127	14	Schedule 60	356	15.09	356	--	90	74
248135255	14	Schedule 80	356	19.05	356	--	90	93.07
185677143	14	Schedule 100	356	23.83	356	--	90	120
243712760	14	Schedule 120	356	27.79	356	--	90	124

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

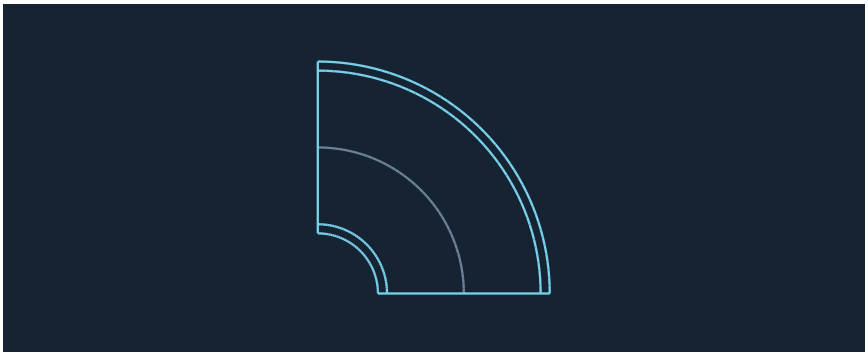
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

8/11

171 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
120393647	14	Schedule 140	356	31.75	356	--	90	139
8496982	14	Schedule 160	356	35.71	356	--	90	165
74523662	16	Schedule 10	406	6.35	406	--	90	39
243177949	16	Schedule 20	406	7.92	406	--	90	52.2
67352737	16	STD	406	9.52	406	--	90	71.25
221733231	16	Schedule 30	406	9.52	406	--	90	71.25
48540062	16	Schedule 40	406	12.7	406	--	90	82.63
179665106	16	XS	406	12.7	406	--	90	82.63
86907554	16	Schedule 60	406	16.66	406	--	90	107.14
197780891	16	Schedule 80	406	21.44	406	--	90	136.2
175542905	16	Schedule 100	406	26.19	406	--	90	166
52558202	16	Schedule 120	406	30.96	406	--	90	171.5
129271677	16	Schedule 140	406	36.53	406	--	90	198
239655456	16	Schedule 160	406	40.49	406	--	90	245
211341410	18	Schedule 10	457	6.35	457	--	90	48.5
181706747	18	Schedule 20	457	7.92	457	--	90	65.35

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

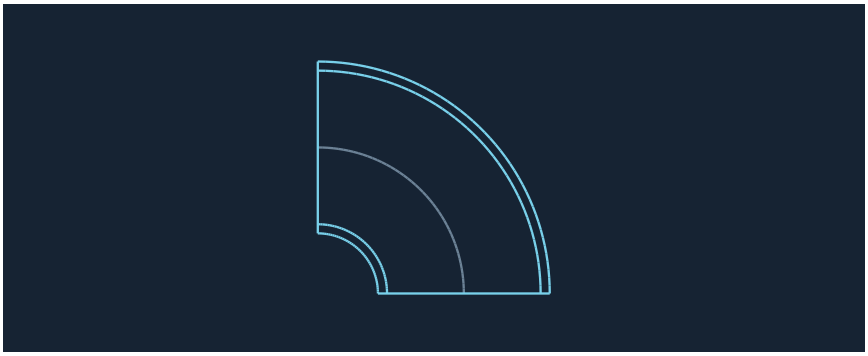
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

9/11

171 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
204640336	18	STD	457	9.52	457	--	90	90
200468272	18	Schedule 30	457	11.13	457	--	90	93.07
93576719	18	XS	457	12.7	457	--	90	104.87
51881372	18	Schedule 40	457	14.27	457	--	90	117.59
113941291	18	Schedule 60	457	19.05	457	--	90	154.36
222739191	18	Schedule 80	457	23.83	457	--	90	191.6
237042426	18	Schedule 100	457	29.36	457	--	90	257
63920877	18	Schedule 120	457	34.92	457	--	90	283
58463226	18	Schedule 140	457	39.67	457	--	90	387
98749112	18	Schedule 160	457	45.24	457	--	90	346
69980841	20	Schedule 10	508	6.35	508	--	90	67.5
86223348	20	STD	508	9.52	508	--	90	110
242707604	20	Schedule 30	508	12.7	508	--	90	129.84
172131976	20	XS	508	12.7	508	--	90	129.54
53814708	20	Schedule 40	508	15.09	508	--	90	153.45
183147712	20	Schedule 60	508	20.62	508	--	90	207.48

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

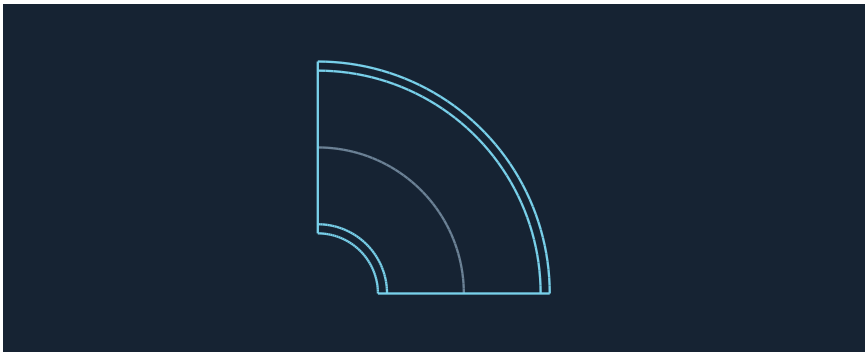
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

10/11

171 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
109393573	20	Schedule 80	508	26.18	508	--	90	260.14
102556811	20	Schedule 100	508	32.54	508	--	90	332
102938744	20	Schedule 120	508	38.1	508	--	90	376
43447094	20	Schedule 140	508	44.45	508	--	90	430
79317776	20	Schedule 160	508	50.01	508	--	90	478
130767016	22	Schedule 10	559	6.35	559	--	90	84.5
202767929	22	STD	559	9.52	559	--	90	132
49973025	22	Schedule 20	559	9.52	559	--	90	132
259916171	22	Schedule 30	559	12.7	559	--	90	171.5
95318153	22	XS	559	12.7	559	--	90	157
252473103	22	Schedule 60	559	22.22	559	--	90	281.5
160386771	22	Schedule 80	559	28.58	559	--	90	350.5
212845039	22	Schedule 100	559	34.92	559	--	90	430
208745627	22	Schedule 120	559	41.27	559	--	90	497
26232782	22	Schedule 140	559	47.62	559	--	90	555
75720998	22	Schedule 160	559	53.97	559	--	90	627

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

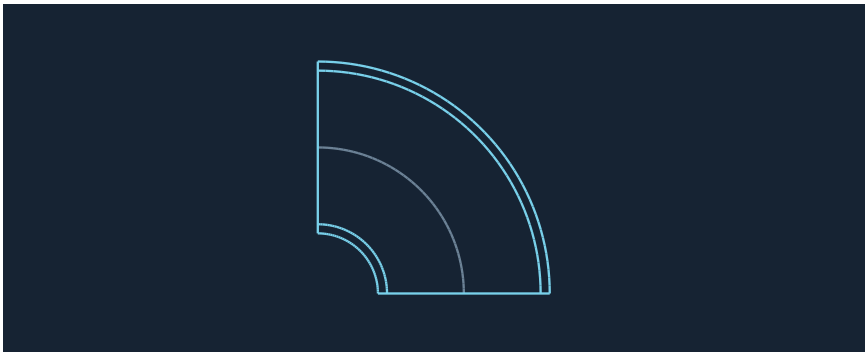
02 / PIPES AND FITTINGS

Dimensions and variants

CS 90 SR elbows

11/11

171 catalog variants / entries 161-171. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
35852015	24	Schedule 10	610	6.35	610	--	90	96.5
105613743	24	STD	610	9.52	610	--	90	165
195438864	24	XS	610	12.7	610	--	90	188.41
2551161	24	Schedule 30	610	14.27	610	--	90	213.38
150491816	24	Schedule 40	610	17.48	610	--	90	256
175712954	24	Schedule 60	610	24.61	610	--	90	355.48
45090269	24	Schedule 80	610	30.96	610	--	90	443.55
221861549	24	Schedule 100	610	38.89	610	--	90	530
195183241	24	Schedule 120	610	46.02	610	--	90	621
84031611	24	Schedule 140	610	52.37	610	--	90	680
145096655	24	Schedule 160	610	59.54	610	--	90	835

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

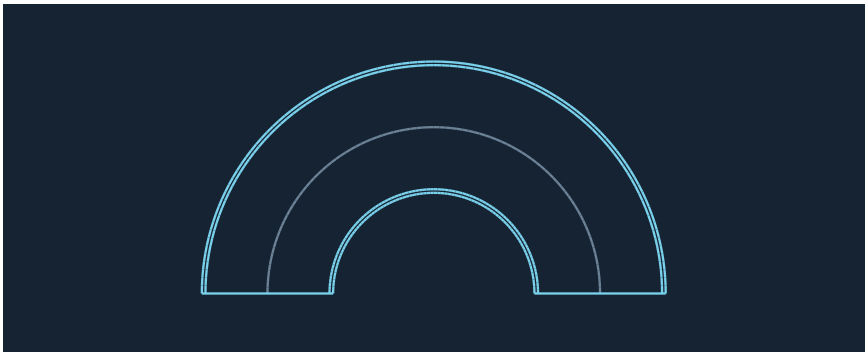
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 LR returns

1/5

68 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
83686390	1/2	Schedule 5	21	1.65	76	48	180	0.1
163992510	1/2	Schedule 10	21	2.11	76	48	180	0.12
57488658	1/2	Schedule 40	21	2.77	76	48	180	0.16
6278753	1/2	Schedule 80	21	3.73	76	48	180	0.2
20669566	1	Schedule 5	33	1.65	76	56	180	0.24
61130716	1	Schedule 10	33	2.77	76	56	180	0.34
38094234	1	Schedule 40	33	3.38	76	56	180	0.35
34561043	1	Schedule 80	33	4.55	76	56	180	0.65
42809180	1 1/4	Schedule 5	42	1.65	95	70	180	0.45
202509534	1 1/4	Schedule 10	42	2.77	95	70	180	0.57
150893186	1 1/4	Schedule 40	42	3.56	95	70	180	0.75
215681212	1 1/4	Schedule 80	42	4.85	95	70	180	1.1
165250458	1 1/2	Schedule 5	48	1.65	114	83	180	0.6
163893098	1 1/2	Schedule 10	48	2.77	114	83	180	0.8
77180289	1 1/2	Schedule 40	48	3.68	114	83	180	1.05
81689730	1 1/2	Schedule 80	48	5.08	114	83	180	1.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

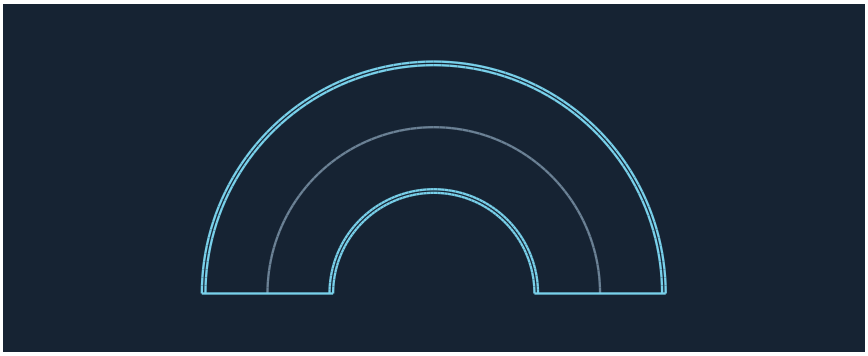
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 LR returns

2/5

68 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
146752233	2	Schedule 5	60	1.65	152	106	180	0.95
44734456	2	Schedule 10	60	2.77	152	106	180	1.4
224410147	2	Schedule 40	60	3.91	152	106	180	2
226038251	2	Schedule 80	60	5.54	152	106	180	2.8
96560306	2 1/2	Schedule 5	73	2.11	191	132	180	1.6
182927755	2 1/2	Schedule 10	73	3.05	191	132	180	2.7
14968684	2 1/2	Schedule 40	73	5.16	191	132	180	3.5
198788972	2 1/2	Schedule 80	73	7.01	191	132	180	4.4
66169443	3	Schedule 5	89	2.11	229	159	180	2.4
169720079	3	Schedule 10	89	3.05	229	159	180	4.5
39383730	3	Schedule 40	89	5.49	229	159	180	5.8
64429974	3	Schedule 80	89	7.62	229	159	180	7.8
31209791	3 1/2	Schedule 5	102	2.11	267	184	180	3
61547553	3 1/2	Schedule 10	102	3.05	267	184	180	4.8
156727997	3 1/2	Schedule 40	102	5.74	267	184	180	7.1
105050741	3 1/2	Schedule 80	102	8.08	267	184	180	10

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

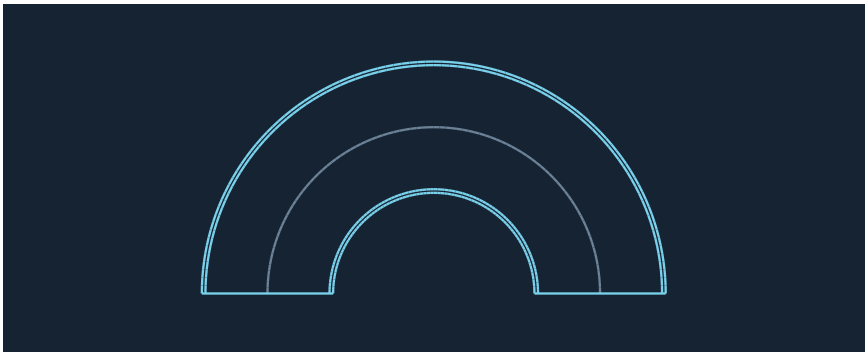
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 LR returns

3/5

68 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
87918991	4	Schedule 5	114	2.11	305	210	180	5.4
134184447	4	Schedule 10	114	3.05	305	210	180	6.2
181353043	4	Schedule 40	114	6.02	305	210	180	11.1
18125677	4	Schedule 80	114	8.56	305	210	180	15.5
27194659	5	Schedule 5	141	2.77	381	262	180	5.9
232256186	5	Schedule 10	141	3.4	381	262	180	7.3
158036619	5	Schedule 40	141	6.55	381	262	180	14.1
20285303	5	Schedule 80	141	9.53	381	262	180	19.5
229807591	6	Schedule 5	168	2.77	457	313	180	9.1
264518371	6	Schedule 10	168	3.4	457	313	180	10.9
212170967	6	Schedule 40	168	7.11	457	313	180	21.7
201782878	6	Schedule 80	168	10.97	457	313	180	32.5
755019	8	Schedule 5	219	2.77	610	414	180	15.9
240308592	8	Schedule 10	219	3.76	610	414	180	21.5
128749395	8	Schedule 40	219	8.18	610	414	180	43
245270331	8	Schedule 80	219	12.7	610	414	180	66

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

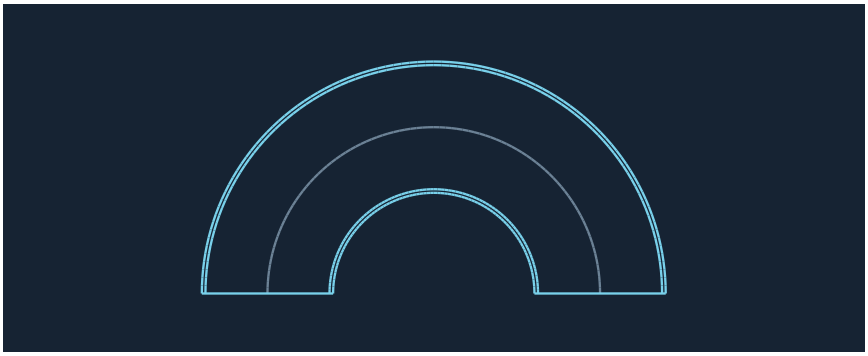
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 LR returns

4/5

68 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
140582253	10	Schedule 5	273	3.4	762	518	180	29
204102687	10	Schedule 10	273	4.19	762	518	180	39
127873260	10	Schedule 40	273	9.27	762	518	180	77
214377624	10	Schedule 80	273	12.7	762	518	180	103
248200733	12	Schedule 5	324	3.96	914	619	180	46.2
164096520	12	Schedule 10	324	4.57	914	619	180	54.5
246342366	12	Schedule 40	324	9.53	914	619	180	120
125471671	12	Schedule 80	324	12.7	914	619	180	160
240543952	14	Schedule 5	356	3.96	1067	711	180	62
83422231	14	Schedule 10	356	4.78	1067	711	180	72.5
118584507	16	Schedule 5	406	4.19	1219	813	180	91
96261463	16	Schedule 10	406	4.78	1219	813	180	96
220352117	18	Schedule 5	457	4.19	1372	914	180	113
93936412	18	Schedule 10	457	4.78	1372	914	180	120
3767570	20	Schedule 5	508	4.78	1524	1016	180	150
44195992	20	Schedule 10	508	5.54	1524	1016	180	200

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

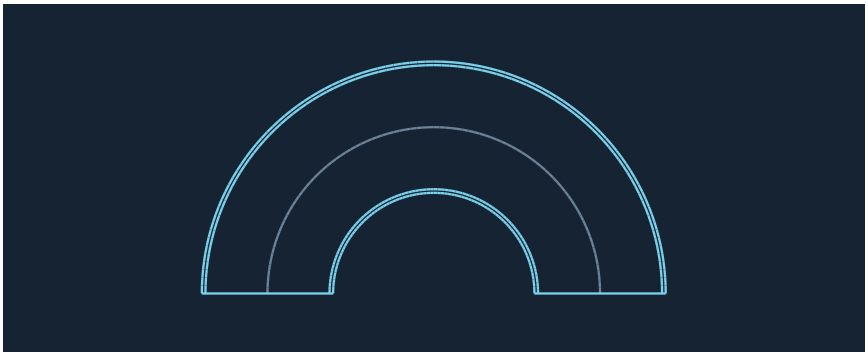
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 LR returns

5/5

68 catalog variants / entries 65-68. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
45854198	22 (3)	Schedule 5	559	4.78	1676	1118	180	--
229163825	22 (3)	Schedule 10	559	5.54	1676	1118	180	--
132209535	24	Schedule 5	610	5.54	1829	1219	180	255
147895856	24	Schedule 10	610	6.35	1829	1219	180	280

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

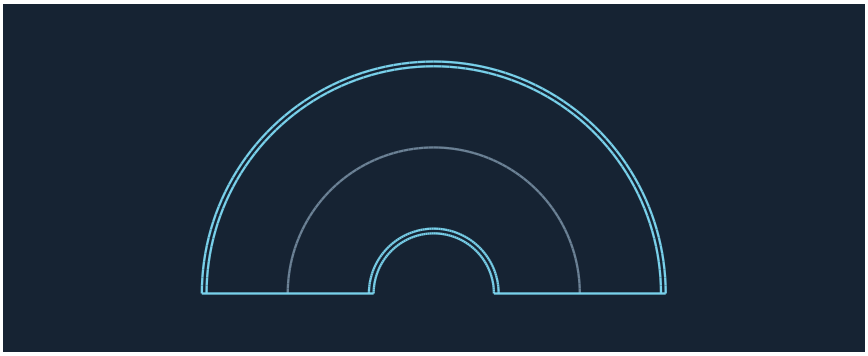
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 SR returns

1/5

66 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
57947140	1	Schedule 5	33	1.65	51	41	180	0.16
122894536	1	Schedule 10	33	2.77	51	41	180	0.2
7371588	1	Schedule 40	33	3.38	51	41	180	0.24
213539915	1	Schedule 80	33	4.55	51	41	180	0.35
117355021	1 1/4	Schedule 5	42	1.65	64	52	180	0.3
262916391	1 1/4	Schedule 10	42	2.77	64	52	180	0.35
101753240	1 1/4	Schedule 40	42	3.56	64	52	180	0.4
93025127	1 1/4	Schedule 80	42	4.85	64	52	180	0.6
17698829	1 1/2	Schedule 5	48	1.65	76	62	180	0.4
91734235	1 1/2	Schedule 10	48	2.77	76	62	180	0.45
12689669	1 1/2	Schedule 40	48	3.68	76	62	180	0.6
7051357	1 1/2	Schedule 80	48	5.08	76	62	180	0.8
153548814	2	Schedule 5	60	1.65	102	81	180	0.55
32728672	2	Schedule 10	60	2.77	102	81	180	0.75
84750965	2	Schedule 40	60	3.91	102	81	180	1.05
29468484	2	Schedule 80	60	5.54	102	81	180	1.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

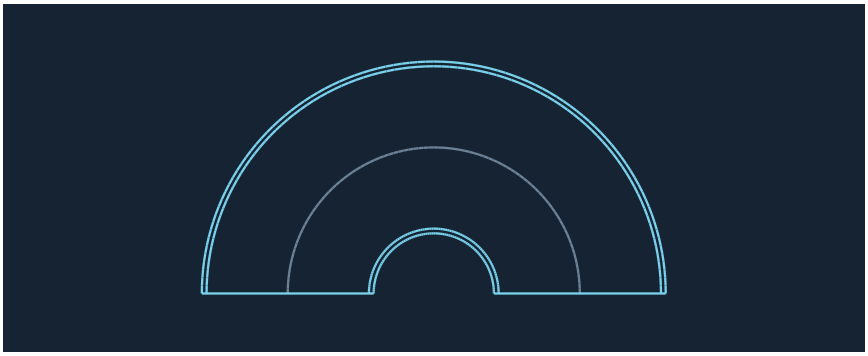
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 SR returns

2/5

66 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
90828559	2 1/2	Schedule 5	73	2.11	127	100	180	1.15
109532445	2 1/2	Schedule 10	73	3.05	127	100	180	1.25
80491029	2 1/2	Schedule 40	73	5.16	127	100	180	2.05
82724262	2 1/2	Schedule 80	73	7.01	127	100	180	2.6
146795725	3	Schedule 5	89	2.11	152	121	180	1.6
241292753	3	Schedule 10	89	3.05	152	121	180	2
79603152	3	Schedule 40	89	5.49	152	121	180	3
248749498	3	Schedule 80	89	7.62	152	121	180	3.8
106364329	3 1/2	Schedule 5	102	2.11	178	140	180	2.15
159435303	3 1/2	Schedule 10	102	3.05	178	140	180	2.75
133528004	3 1/2	Schedule 40	102	5.74	178	140	180	4.1
33801887	3 1/2	Schedule 80	102	8.08	178	140	180	4.8
181830299	4	Schedule 5	114	2.11	203	159	180	2.8
260164030	4	Schedule 10	114	3.05	203	159	180	3.5
55316938	4	Schedule 40	114	6.02	203	159	180	6.25
72951782	4	Schedule 80	114	8.56	203	159	180	8.2

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

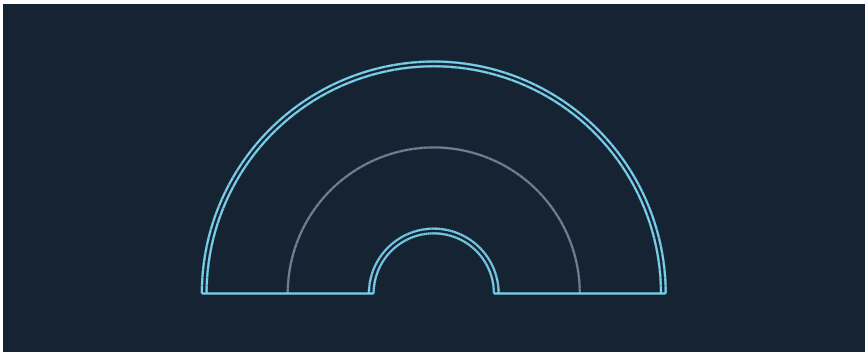
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 SR returns

3/5

66 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
224257212	5	Schedule 5	141	2.77	254	197	180	4.5
20638061	5	Schedule 10	141	3.4	254	197	180	5.6
259302272	5	Schedule 40	141	6.55	254	197	180	10.5
68506998	5	Schedule 80	141	9.53	254	197	180	15
104853547	6	Schedule 5	168	2.77	305	237	180	7
161420823	6	Schedule 10	168	3.4	305	237	180	8.3
126276772	6	Schedule 40	168	7.11	305	237	180	16
247593179	6	Schedule 80	168	10.97	305	237	180	24
250086964	8	Schedule 5	219	2.77	406	313	180	14
234320551	8	Schedule 10	219	3.76	406	313	180	16
217148295	8	Schedule 40	219	8.18	406	313	180	34
162450586	8	Schedule 80	219	12.7	406	313	180	50
131428519	10	Schedule 5	273	3.4	508	391	180	25
246912730	10	Schedule 10	273	4.19	508	391	180	32
10177748	10	Schedule 40	273	9.27	508	391	180	57
12685415	10	Schedule 80	273	12.7	508	391	180	90

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

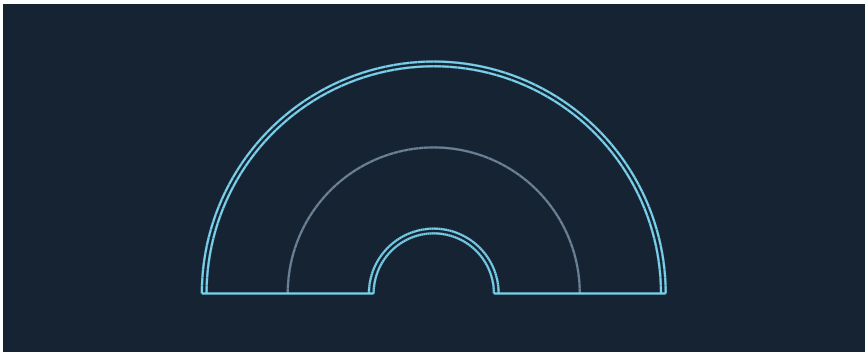
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 SR returns

4/5

66 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
108023173	12	Schedule 5	324	3.96	610	467	180	32
198465053	12	Schedule 10	324	4.57	610	467	180	36
168978716	12	Schedule 40	324	9.53	610	467	180	73
182157211	12	Schedule 80	324	12.7	610	467	180	113
17007389	14	Schedule 5	356	3.96	711	533	180	40
71457772	14	Schedule 10	356	4.78	711	533	180	47
198370834	14	Schedule 40	356	9.53	711	533	180	92
60295452	16	Schedule 5	406	4.19	813	610	180	60
217702139	16	Schedule 10	406	4.78	813	610	180	62
127882672	16	Schedule 40	406	9.53	813	610	180	120
241764874	18	Schedule 5	457	4.19	914	686	180	74
161904441	18	Schedule 10	457	4.78	914	686	180	78
84408624	20	Schedule 5	508	4.78	1016	762	180	97
64613092	20	Schedule 10	508	5.54	1016	762	180	130
132498122	22	Schedule 5	559	4.78	1118	838	180	--
47094426	22	Schedule 10	559	5.54	1118	838	180	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

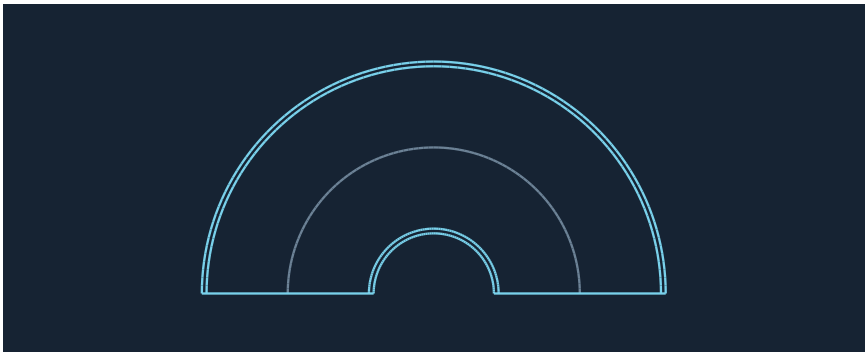
02 / PIPES AND FITTINGS

Dimensions and variants

SS 180 SR returns

5/5

66 catalog variants / entries 65-66. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
145594256	24	Schedule 5	610	5.54	1219	914	180	165
100213995	24	Schedule 10	610	6.35	1219	914	180	185

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

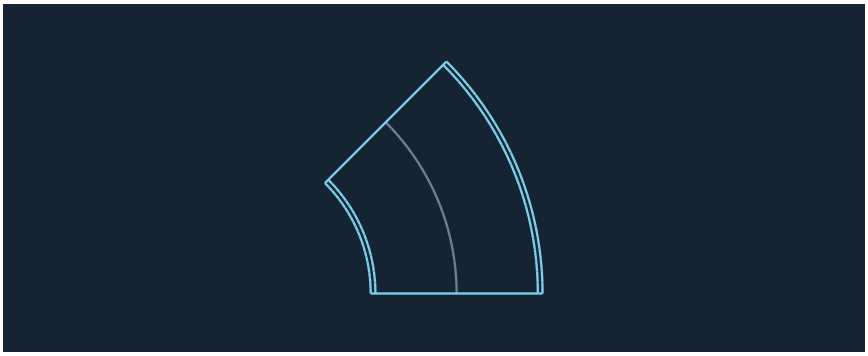
02 / PIPES AND FITTINGS

Dimensions and variants

SS 45 LR elbows

1/5

68 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
46388004	1/2	Schedule 5	21	1.65	16	--	45	0.02
212537507	1/2	Schedule 10	21	2.11	16	--	45	0.03
201891350	1/2	Schedule 40	21	2.77	16	--	45	0.04
114435199	1/2	Schedule 80	21	3.73	16	--	45	0.05
21244742	1	Schedule 5	33	1.65	22	--	45	0.05
144712992	1	Schedule 10	33	2.77	22	--	45	0.09
259531803	1	Schedule 40	33	3.38	22	--	45	0.12
198408170	1	Schedule 80	33	4.55	22	--	45	0.15
69832523	1 1/4	Schedule 5	42	1.65	25	--	45	0.09
250408322	1 1/4	Schedule 10	42	2.77	25	--	45	0.12
267102955	1 1/4	Schedule 40	42	3.56	25	--	45	0.15
241255728	1 1/4	Schedule 80	42	4.85	25	--	45	0.25
174348962	1 1/2	Schedule 5	48	1.65	29	--	45	0.11
55016964	1 1/2	Schedule 10	48	2.77	29	--	45	0.17
202656447	1 1/2	Schedule 40	48	3.68	29	--	45	0.22
39752284	1 1/2	Schedule 80	48	5.08	29	--	45	0.3

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

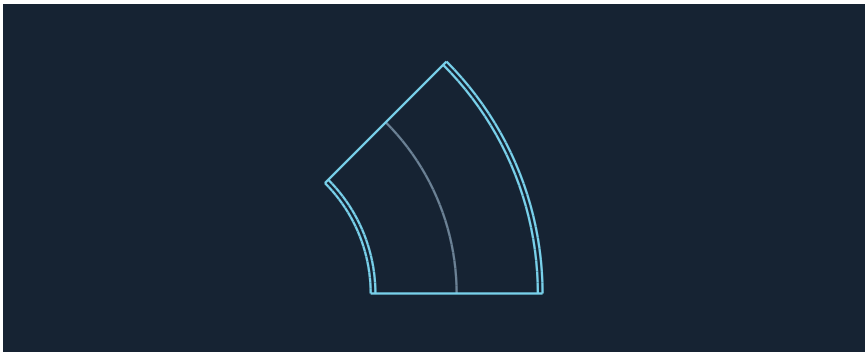
02 / PIPES AND FITTINGS

Dimensions and variants

SS 45 LR elbows

2/5

68 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
63200996	2	Schedule 5	60	1.65	35	--	45	0.14
57970025	2	Schedule 10	60	2.77	35	--	45	0.25
13261773	2	Schedule 40	60	3.91	35	--	45	0.35
23883391	2	Schedule 80	60	5.54	35	--	45	0.5
267551461	2 1/2	Schedule 5	73	2.11	44	--	45	0.34
65906882	2 1/2	Schedule 10	73	3.05	44	--	45	0.48
231876025	2 1/2	Schedule 40	73	5.16	44	--	45	0.75
89164643	2 1/2	Schedule 80	73	7.01	44	--	45	1
80909330	3	Schedule 5	89	2.11	51	--	45	0.48
178917137	3	Schedule 10	89	3.05	51	--	45	0.62
235221249	3	Schedule 40	89	5.49	51	--	45	1.05
184406559	3	Schedule 80	89	7.62	51	--	45	1.5
16962296	3 1/2	Schedule 5	102	2.11	57	--	45	0.55
262774393	3 1/2	Schedule 10	102	3.05	57	--	45	0.76
224666973	3 1/2	Schedule 40	102	5.74	57	--	45	1.45
7537060	3 1/2	Schedule 80	102	8.08	57	--	45	2

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

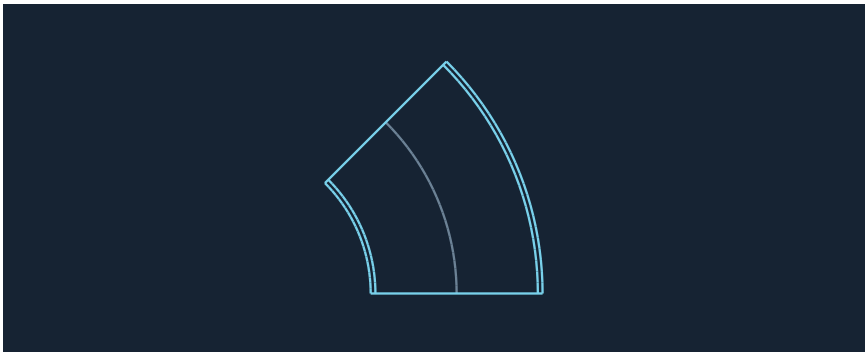
02 / PIPES AND FITTINGS

Dimensions and variants

SS 45 LR elbows

3/5

68 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
21201609	4	Schedule 5	114	2.11	64	--	45	0.75
63624175	4	Schedule 10	114	3.05	64	--	45	1.1
203299014	4	Schedule 40	114	6.02	64	--	45	2.1
27041758	4	Schedule 80	114	8.56	64	--	45	3.1
130286725	5	Schedule 5	141	2.77	79	--	45	1.5
46183541	5	Schedule 10	141	3.4	79	--	45	1.8
133446938	5	Schedule 40	141	6.55	79	--	45	3.4
39370348	5	Schedule 80	141	9.53	79	--	45	4.8
264852958	6	Schedule 5	168	2.77	95	--	45	2.25
107661311	6	Schedule 10	168	3.4	95	--	45	2.75
147526907	6	Schedule 40	168	7.11	95	--	45	5.4
36114818	6	Schedule 80	168	10.97	95	--	45	8.2
198064520	8	Schedule 5	219	2.77	127	--	45	4
99235112	8	Schedule 10	219	3.76	127	--	45	5.3
12970934	8	Schedule 40	219	8.18	127	--	45	10.7
149726942	8	Schedule 80	219	12.7	127	--	45	16.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

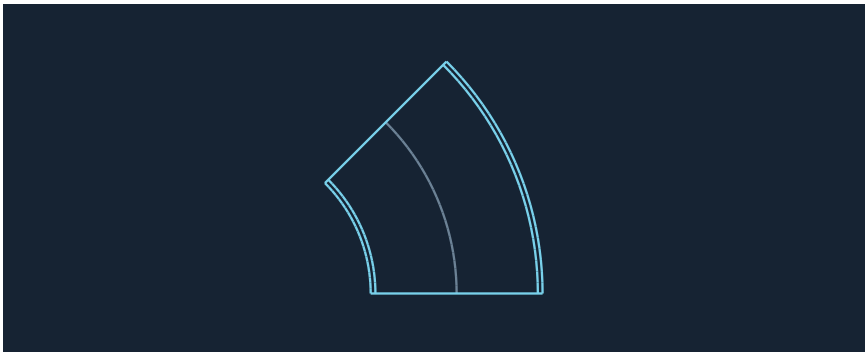
02 / PIPES AND FITTINGS

Dimensions and variants

SS 45 LR elbows

4/5

68 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
37572511	10	Schedule 5	273	3.4	159	--	45	7.25
147251154	10	Schedule 10	273	4.19	159	--	45	9.8
157702775	10	Schedule 40	273	9.27	159	--	45	19.3
104017864	10	Schedule 80	273	12.7	159	--	45	26
220024147	12	Schedule 5	324	3.96	190	--	45	11.6
68334325	12	Schedule 10	324	4.57	190	--	45	13.6
20411693	12	Schedule 40	324	9.53	190	--	45	29.7
56755847	12	Schedule 80	324	12.7	190	--	45	40
212099750	14	Schedule 5	356	3.96	222	--	45	15.4
159095779	14	Schedule 10	356	4.78	222	--	45	18.1
140478089	16	Schedule 5	406	4.19	254	--	45	22.6
92985719	16	Schedule 10	406	4.78	254	--	45	23.8
131944663	18	Schedule 5	457	4.19	286	--	45	28.4
92134433	18	Schedule 10	457	4.78	286	--	45	30
193991911	20	Schedule 5	508	4.78	318	--	45	37.4
223707379	20	Schedule 10	508	5.54	318	--	45	50

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

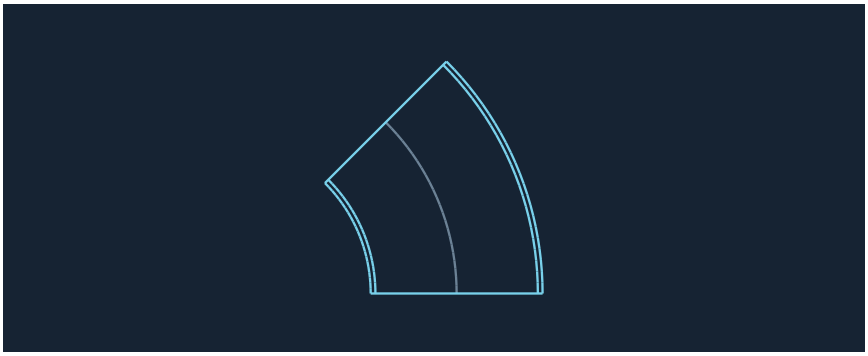
02 / PIPES AND FITTINGS

Dimensions and variants

SS 45 LR elbows

5/5

68 catalog variants / entries 65-68. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
245336804	22	Schedule 5	559	4.78	343	--	45	--
42394882	22	Schedule 10	559	5.54	343	--	45	--
266572445	24	Schedule 5	610	5.54	381	--	45	63.5
11258801	24	Schedule 10	610	6.35	381	--	45	71

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

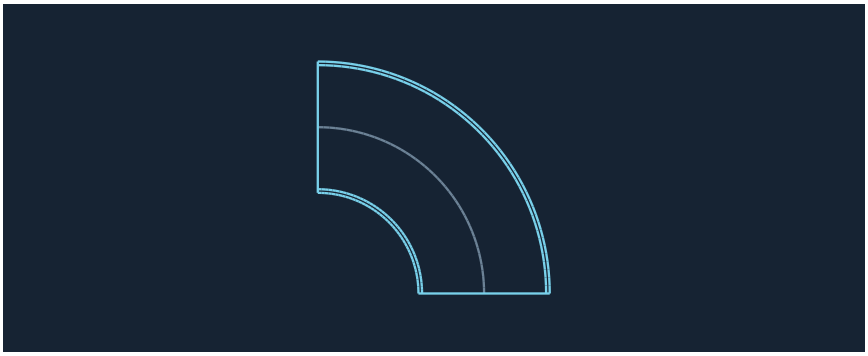
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 LR elbows

1/5

68 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
202096113	1/2	Schedule 5	21	1.65	38	--	90	0.06
204872843	1/2	Schedule 10	21	2.11	38	--	90	0.06
67292978	1/2	Schedule 40	21	2.77	38	--	90	0.08
127338252	1/2	Schedule 80	21	3.73	38	--	90	0.1
241252221	1	Schedule 5	33	1.65	38	--	90	0.09
264152227	1	Schedule 10	33	2.77	38	--	90	0.15
129102	1	Schedule 40	33	3.38	38	--	90	0.16
252422087	1	Schedule 80	33	4.55	38	--	90	0.22
30896363	1 1/4	Schedule 5	42	1.65	48	--	90	0.14
202837712	1 1/4	Schedule 10	42	2.77	48	--	90	0.25
100128931	1 1/4	Schedule 40	42	3.56	48	--	90	0.25
57787082	1 1/4	Schedule 80	42	4.85	48	--	90	0.4
177990620	1 1/2	Schedule 5	48	1.65	57	--	90	0.17
227771458	1 1/2	Schedule 10	48	2.77	57	--	90	0.3
223019489	1 1/2	Schedule 40	48	3.68	57	--	90	0.4
153860436	1 1/2	Schedule 80	48	5.08	57	--	90	0.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

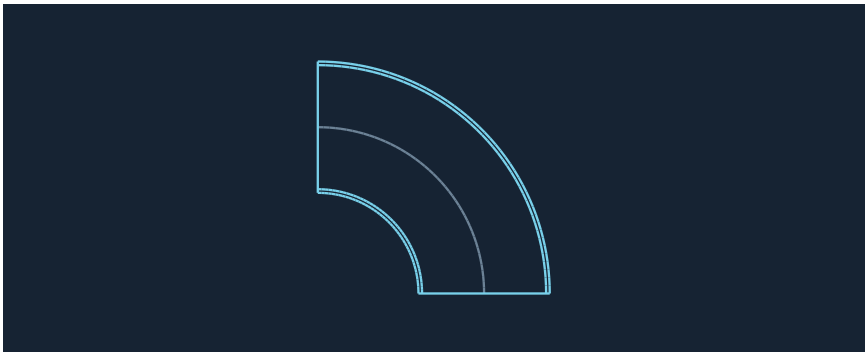
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 LR elbows

2/5

68 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
167500916	2	Schedule 5	60	1.65	76	--	90	0.3
168608313	2	Schedule 10	60	2.77	76	--	90	0.5
238782081	2	Schedule 40	60	3.91	76	--	90	0.7
60220933	2	Schedule 80	60	5.54	76	--	90	0.9
211114031	2 1/2	Schedule 5	73	2.11	95	--	90	0.7
161954431	2 1/2	Schedule 10	73	3.05	95	--	90	0.85
140187120	2 1/2	Schedule 40	73	5.16	95	--	90	1.4
183311060	2 1/2	Schedule 80	73	7.01	95	--	90	1.8
35737783	3	Schedule 5	89	2.11	114	--	90	0.9
230203770	3	Schedule 10	89	3.05	114	--	90	1.2
84016846	3	Schedule 40	89	5.49	114	--	90	2.2
132711178	3	Schedule 80	89	7.62	114	--	90	3
261210400	3 1/2	Schedule 5	102	2.11	133	--	90	1.2
162025168	3 1/2	Schedule 10	102	3.05	133	--	90	1.7
174924200	3 1/2	Schedule 40	102	5.74	133	--	90	2.9
146897257	3 1/2	Schedule 80	102	8.08	133	--	90	4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

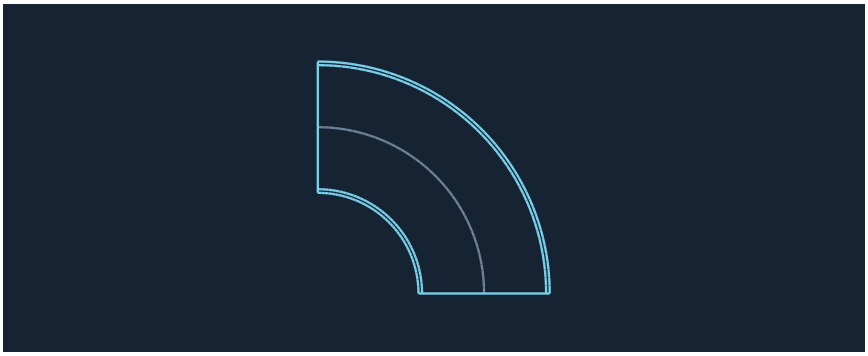
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 LR elbows

3/5

68 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
179597422	4	Schedule 5	114	2.11	152	--	90	1.5
206883370	4	Schedule 10	114	3.05	152	--	90	2.2
39812153	4	Schedule 40	114	6.02	152	--	90	4.2
160718172	4	Schedule 80	114	8.56	152	--	90	6.2
67512305	5	Schedule 5	141	2.77	190	--	90	3
72594193	5	Schedule 10	141	3.4	190	--	90	3.6
93750748	5	Schedule 40	141	6.55	190	--	90	6.9
44996616	5	Schedule 80	141	9.53	190	--	90	9.6
172997501	6	Schedule 5	168	2.77	229	--	90	4.5
59777783	6	Schedule 10	168	3.4	229	--	90	5.4
117566947	6	Schedule 40	168	7.11	229	--	90	11
167131583	6	Schedule 80	168	10.97	229	--	90	16.3
116355505	8	Schedule 5	219	2.77	305	--	90	7.8
106883156	8	Schedule 10	219	3.76	305	--	90	10.6
193746779	8	Schedule 40	219	8.18	305	--	90	21.5
265836052	8	Schedule 80	219	12.7	305	--	90	33.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

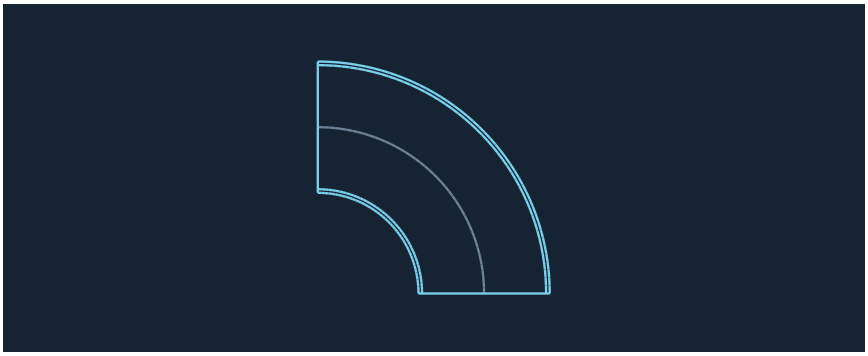
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 LR elbows

4/5

68 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
130756066	10	Schedule 5	273	3.4	381	--	90	14.5
148343779	10	Schedule 10	273	4.19	381	--	90	19.5
97368396	10	Schedule 40	273	9.27	381	--	90	38.5
221857068	10	Schedule 80	273	12.7	381	--	90	52
82679799	12	Schedule 5	324	3.96	457	--	90	23.1
71797899	12	Schedule 10	324	4.57	457	--	90	27.5
164584549	12	Schedule 40	324	9.53	457	--	90	60
225128974	12	Schedule 80	324	12.7	457	--	90	80
100031543	14	Schedule 5	356	3.96	533	--	90	30.8
2650042	14	Schedule 10	356	4.78	533	--	90	36
37979128	16	Schedule 5	406	4.19	610	--	90	45.3
223268438	16	Schedule 10	406	4.78	610	--	90	47.5
184197450	18	Schedule 5	457	4.19	686	--	90	56.6
260740114	18	Schedule 10	457	4.78	686	--	90	60
263537382	20	Schedule 5	508	4.78	762	--	90	75
236294177	20	Schedule 10	508	5.54	762	--	90	100

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

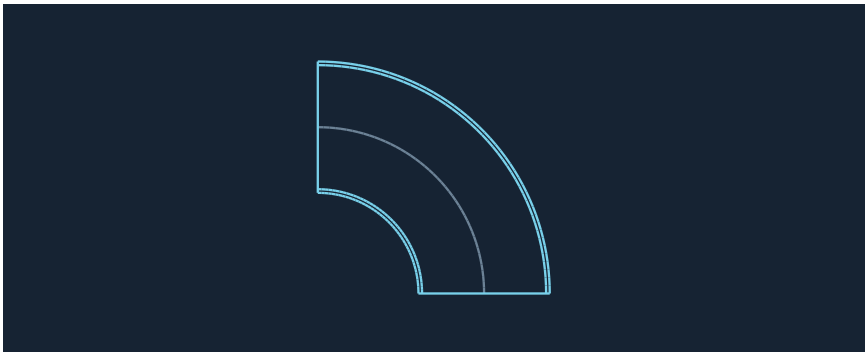
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 LR elbows

5/5

68 catalog variants / entries 65-68. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
87569404	22	Schedule 5	559	4.78	838	--	90	--
106091183	22	Schedule 10	559	5.54	838	--	90	--
83566346	24	Schedule 5	610	5.54	914	--	90	130
232602498	24	Schedule 10	610	6.35	914	--	90	140

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

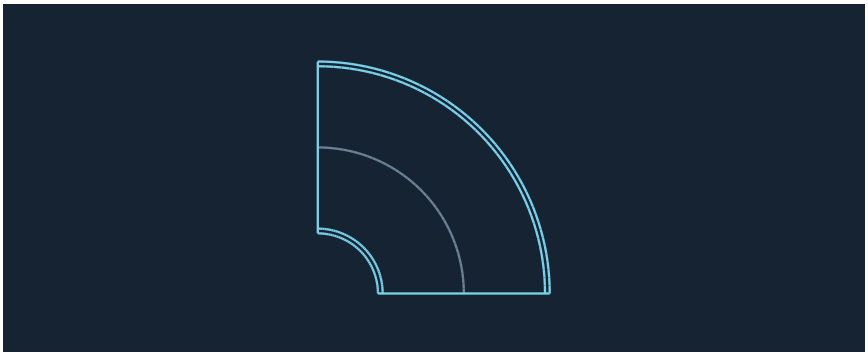
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 SR elbows

1/3

40 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
239463164	1	Schedule 5	33	1.65	25	--	90	0.08
164965743	1	Schedule 10	33	2.77	25	--	90	0.1
174466702	1	Schedule 40	33	3.38	25	--	90	0.12
267028694	1	Schedule 80	33	4.55	25	--	90	0.18
157897522	1 1/4	Schedule 5	42	1.65	32	--	90	0.14
159144094	1 1/4	Schedule 10	42	2.77	32	--	90	0.17
213485662	1 1/4	Schedule 40	42	3.56	32	--	90	0.2
195620598	1 1/4	Schedule 80	42	4.85	32	--	90	0.3
56238182	1 1/2	Schedule 5	48	1.65	38	--	90	0.19
247068640	1 1/2	Schedule 10	48	2.77	38	--	90	0.22
59427216	1 1/2	Schedule 40	48	3.68	38	--	90	0.3
158654126	1 1/2	Schedule 80	48	5.08	38	--	90	0.4
161579161	2	Schedule 5	60	1.65	51	--	90	0.3
258848730	2	Schedule 10	60	2.77	51	--	90	0.37
126307860	2	Schedule 40	60	3.91	51	--	90	0.5
223390660	2	Schedule 80	60	5.54	51	--	90	0.7

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

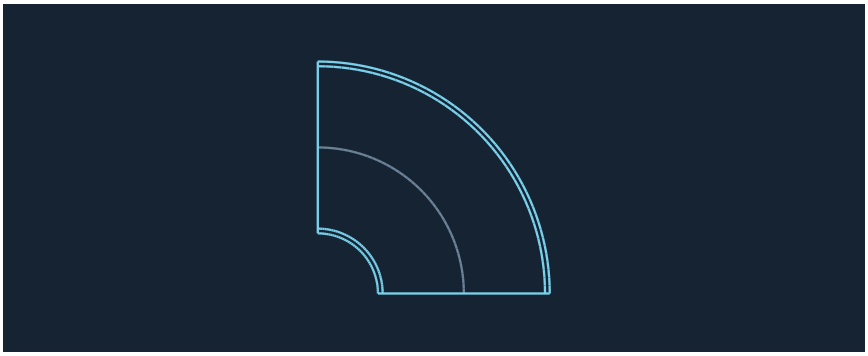
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 SR elbows

2/3

40 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
232988589	2 1/2	Schedule 5	73	2.11	64	--	90	0.6
77367028	2 1/2	Schedule 10	73	3.05	64	--	90	0.75
211170872	2 1/2	Schedule 40	73	5.16	64	--	90	1.05
188496797	2 1/2	Schedule 80	73	7.01	64	--	90	1.3
77533513	3	Schedule 5	89	2.11	76	--	90	0.8
179055593	3	Schedule 10	89	3.05	76	--	90	1
113835677	3	Schedule 40	89	5.49	76	--	90	1.5
137573439	3	Schedule 80	89	7.62	76	--	90	1.9
193863781	3 1/2	Schedule 5	102	2.11	89	--	90	1.05
120055614	3 1/2	Schedule 10	102	3.05	89	--	90	1.4
93405980	3 1/2	Schedule 40	102	5.74	89	--	90	2.05
174512875	3 1/2	Schedule 80	102	8.08	89	--	90	2.4
127157065	4	Schedule 5	114	2.11	102	--	90	1.4
73847453	4	Schedule 10	114	3.05	102	--	90	1.7
107934655	4	Schedule 40	114	6.02	102	--	90	3.1
31460967	4	Schedule 80	114	8.56	102	--	90	4.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

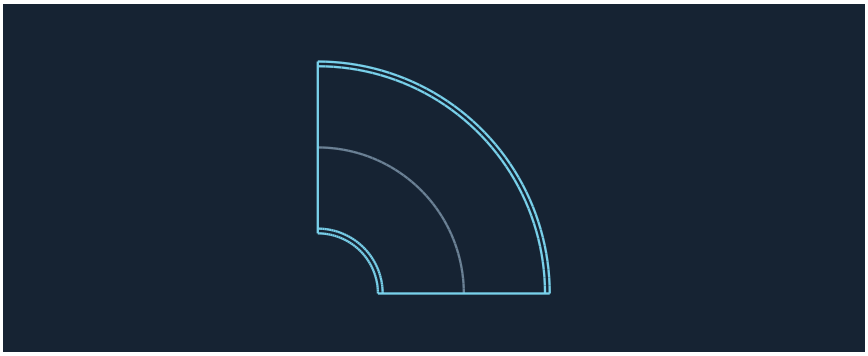
02 / PIPES AND FITTINGS

Dimensions and variants

SS 90 SR elbows

3/3

40 catalog variants / entries 33-40. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD: pipe outside diameter. t: wall. A: tangent setback (45/90 deg) or end-centre spacing (180 deg). B: back-to-face. Angle: degrees. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS	SCHEDULE	OD	t	A	B	ANGLE deg	MASS kg
180544023	5	Schedule 5	141	2.77	127	--	90	2.25
167863899	5	Schedule 10	141	3.4	127	--	90	2.8
180417372	5	Schedule 40	141	6.55	127	--	90	5.3
31355070	5	Schedule 80	141	9.53	127	--	90	7.3
86606222	6	Schedule 5	168	2.77	152	--	90	3.5
265077115	6	Schedule 10	168	3.4	152	--	90	4.2
165684033	6	Schedule 40	168	7.11	152	--	90	7.9
177609158	6	Schedule 80	168	10.97	152	--	90	11.8

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

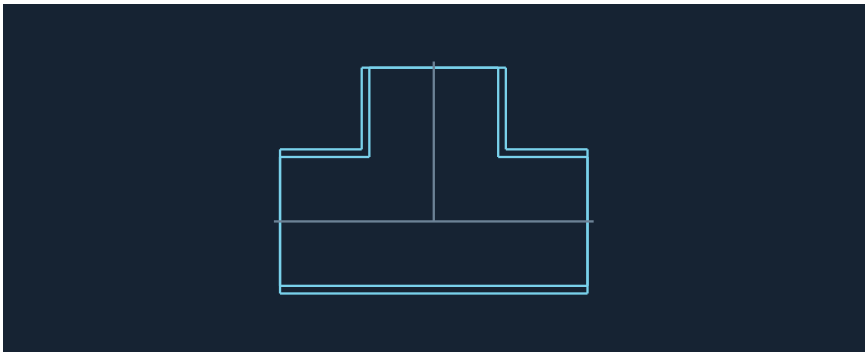
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

1/13

205 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
48406491	1/2	Schedule 30	21	21	2.41	2.41	25	25	--
49864884	1/2	STD	21	21	2.77	2.77	25	25	0.16
54035064	1/2	XS	21	21	3.73	3.73	25	25	0.25
31907572	1/2	Schedule 160	21	21	4.78	4.78	25	25	0.28
154708851	1/2	XXS	21	21	7.47	7.47	25	25	--
71785997	3/4	Schedule 30	27	27	2.41	2.41	29	29	--
225595903	3/4	STD	27	27	2.87	2.87	29	29	0.2
186436027	3/4	XS	27	27	3.91	3.91	29	29	0.27
250579424	3/4	Schedule 160	27	27	5.56	5.56	29	29	0.29
254690662	3/4	XXS	27	27	7.82	7.82	29	29	0.38
244535221	1	Schedule 30	33	33	2.9	2.9	38	38	--
127021359	1	STD	33	33	3.38	3.38	38	38	0.29
21692429	1	XS	33	33	4.55	4.55	38	38	0.35
213300341	1	Schedule 160	33	33	6.35	6.35	38	38	0.45
232760662	1	XXS	33	33	9.09	9.09	38	38	0.58
245812813	1 1/4	Schedule 30	42	42	2.97	2.97	48	48	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

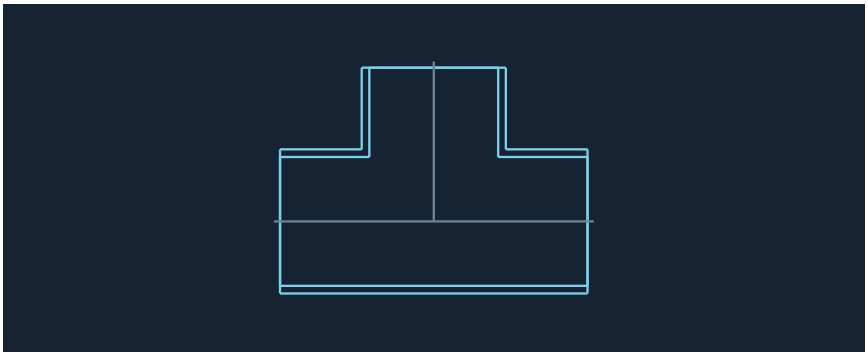
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

2/13

205 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
70169493	1 1/4	STD	42	42	3.56	3.56	48	48	0.53
39118889	1 1/4	XS	42	42	4.85	4.85	48	48	0.65
21971592	1 1/4	Schedule 160	42	42	6.35	6.35	48	48	0.77
133012750	1 1/4	XXS	42	42	9.7	9.7	48	48	1.05
124966576	1 1/2	Schedule 30	48	48	3.18	3.18	57	57	--
112364847	1 1/2	STD	48	48	3.68	3.68	57	57	0.77
217486307	1 1/2	XS	48	48	5.08	5.08	57	57	0.96
175659312	1 1/2	Schedule 160	48	48	7.13	7.13	57	57	1.21
91837222	1 1/2	XXS	48	48	10.16	10.16	57	57	1.56
243025032	2	Schedule 30	60	60	3.18	3.18	64	64	--
154648082	2	STD	60	60	3.91	3.91	64	64	1.88
242797283	2	Schedule 40	60	60	3.91	3.91	64	64	1.88
31397937	2	Schedule 80	60	60	5.54	5.54	64	64	1.9
128308146	2	XS	60	60	5.54	5.54	64	64	1.9
240276633	2	Schedule 160	60	60	8.74	8.74	64	64	2.25
154564043	2	XXS	60	60	11.07	11.07	64	64	2.69

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

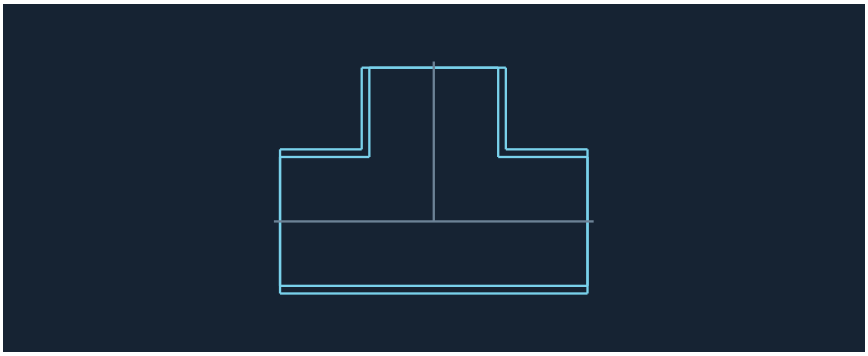
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

3/13

205 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
209480874	2 1/2	Schedule 30	73	73	4.78	4.78	76	76	--
266405804	2 1/2	STD	73	73	5.16	5.16	76	76	2.69
14059668	2 1/2	XS	73	73	7.01	7.01	76	76	3.07
171114841	2 1/2	Schedule 160	73	73	9.52	9.52	76	76	3.42
146854867	2 1/2	XXS	73	73	14.02	14.02	76	76	4.54
177624128	3	Schedule 30	89	89	4.78	4.78	86	86	--
230039148	3	STD	89	89	5.49	5.49	86	86	3.82
213136330	3	Schedule 40	89	89	5.49	5.49	86	86	3.82
236773791	3	Schedule 80	89	89	7.62	7.62	86	86	4.5
266507942	3	XS	89	89	7.62	7.62	86	86	4.5
40988711	3	Schedule 160	89	89	11.13	11.13	86	86	6.21
266282444	3	XXS	89	89	15.24	15.24	86	86	7.63
56885324	3 1/2	Schedule 30	102	102	4.78	4.78	95	95	--
69205410	3 1/2	STD	102	102	5.74	5.74	95	95	5.18
234886249	3 1/2	XS	102	102	8.08	8.08	95	95	6.17
162295764	4	Schedule 30	114	114	4.78	4.78	105	105	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

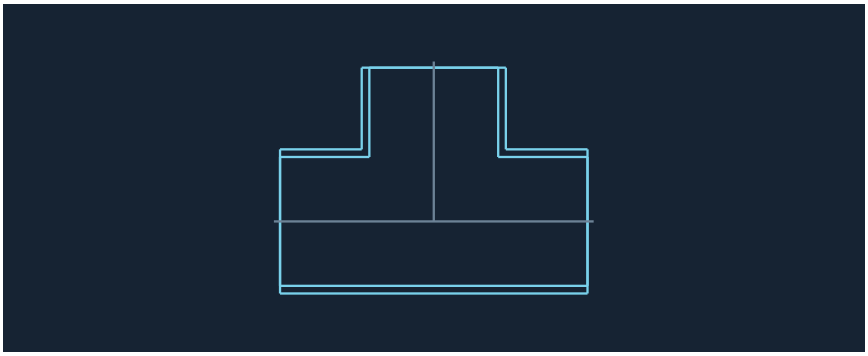
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

4/13

205 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
60271369	4	STD	114	114	6.02	6.02	105	105	6
58277590	4	XS	114	114	8.56	8.56	105	105	8.44
90486947	4	Schedule 120	114	114	11.13	11.13	105	105	9
251421062	4	Schedule 160	114	114	13.5	13.5	105	105	15.53
213620612	4	XXS	114	114	17.12	17.12	105	105	17
95525084	5	STD	141	141	6.55	6.55	124	124	9.94
70620499	5	XS	141	141	9.52	9.52	124	124	12.94
257087351	5	Schedule 120	141	141	12.7	12.7	124	124	18
264890704	5	Schedule 160	141	141	15.87	15.87	124	124	23.93
263368714	5	XXS	141	141	19.05	19.05	124	124	25
68902422	6	STD	168	168	7.11	7.11	143	143	16.48
72877950	6	XS	168	168	10.97	10.97	143	143	19.3
125254441	6	Schedule 120	168	168	14.27	14.27	143	143	24
130367025	6	Schedule 160	168	168	18.26	18.26	143	143	38.59
232205504	6	XXS	168	168	21.95	21.95	143	143	39
17043111	8	Schedule 20	219	219	6.35	6.35	178	178	29

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

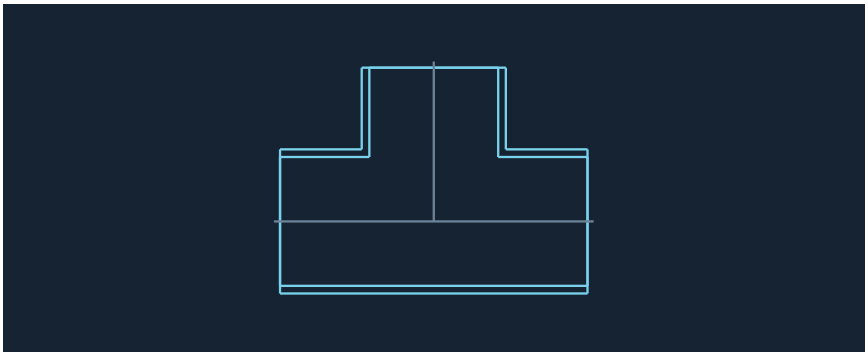
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

5/13

205 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
256861288	8	Schedule 30	219	219	7.03	7.03	178	178	31
54785770	8	STD	219	219	8.18	8.18	178	178	33
136493044	8	Schedule 60	219	219	10.31	10.31	178	178	34.5
20284355	8	XS	219	219	12.7	12.7	178	178	34.5
157807529	8	Schedule 100	219	219	15.09	15.09	178	178	43.65
255910019	8	Schedule 120	219	219	18.26	18.26	178	178	50
100635075	8	Schedule 140	219	219	20.62	20.62	178	178	54
123233459	8	XXS	219	219	22.23	22.23	178	178	69
251095271	8	Schedule 160	219	219	23.01	23.01	178	178	71
212854531	10	Schedule 20	273	273	6.35	6.35	216	216	34.7
116066088	10	Schedule 30	273	273	7.8	7.8	216	216	36.77
91907895	10	STD	273	273	9.27	9.27	216	216	49.35
110971397	10	Schedule 60	273	273	12.7	12.7	216	216	58.57
200436868	10	XS	273	273	12.7	12.7	216	216	58.57
132309989	10	Schedule 80	273	273	15.09	15.09	216	216	68
24753284	10	Schedule 100	273	273	18.26	18.26	216	216	74

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

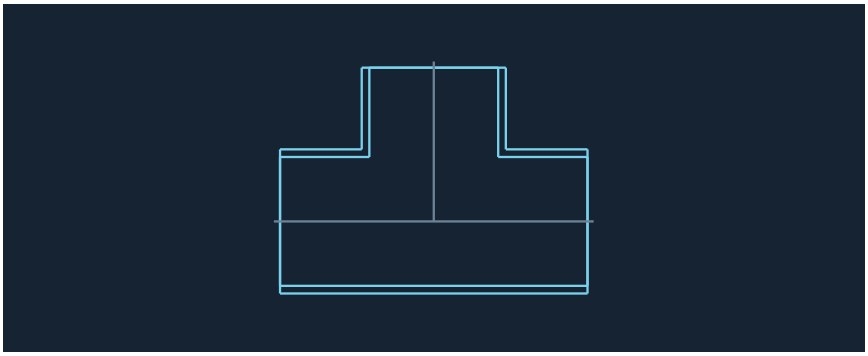
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

6/13

205 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
49099084	10	Schedule 120	273	273	21.44	21.44	216	216	93
205370959	10	Schedule 140	273	273	25.4	25.4	216	216	99
82387300	10	XXS	273	273	25.4	25.4	216	216	98
221737323	10	Schedule 160	273	273	28.57	28.57	216	216	120
120272407	12	Schedule 20	324	324	6.35	6.35	254	254	59
90131754	12	Schedule 30	324	324	8.38	8.38	254	254	61.74
224739403	12	STD	324	324	9.52	9.52	254	254	65
4377231	12	Schedule 40	324	324	10.31	10.31	254	254	70.5
112580855	12	XS	324	324	12.7	12.7	254	254	84.9
107569498	12	Schedule 60	324	324	14.27	14.27	254	254	102.6
178844369	12	Schedule 80	324	324	17.48	17.48	254	254	115
25975283	12	Schedule 100	324	324	21.44	21.44	254	254	136
59368033	12	Schedule 120	324	324	25.4	25.4	254	254	150
186758770	12	XXS	324	324	25.4	25.4	254	254	150
157857983	12	Schedule 140	324	324	28.57	28.57	254	254	177
43893683	12	Schedule 160	324	324	33.32	33.32	254	254	184

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

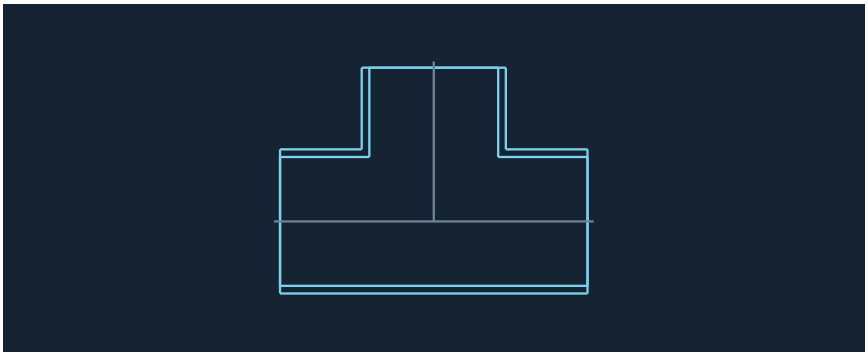
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

7/13

205 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
96320924	14	Schedule 10	356	356	6.35	6.35	279	279	87.16
232085478	14	Schedule 20	356	356	7.92	7.92	279	279	90
182858613	14	STD	356	356	9.52	9.52	279	279	93
35251600	14	Schedule 30	356	356	9.52	9.52	279	279	93
29173757	14	Schedule 40	356	356	11.13	11.13	279	279	114.41
54419577	14	XS	356	356	12.7	12.7	279	279	127.12
185608228	14	Schedule 60	356	356	15.09	15.09	279	279	141.2
196632963	14	Schedule 80	356	356	19.05	19.05	279	279	165
250167438	14	Schedule 100	356	356	23.83	23.83	279	279	206
25092737	14	Schedule 120	356	356	27.79	27.79	279	279	240
23285749	14	Schedule 140	356	356	31.75	31.75	279	279	275
253865566	14	Schedule 160	356	356	35.71	35.71	279	279	300
12792350	16	Schedule 10	406	406	6.35	6.35	305	305	90.8
162154911	16	Schedule 20	406	406	7.92	7.92	305	305	100
31370992	16	STD	406	406	9.52	9.52	305	305	115
204427647	16	Schedule 30	406	406	9.52	9.52	305	305	115

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

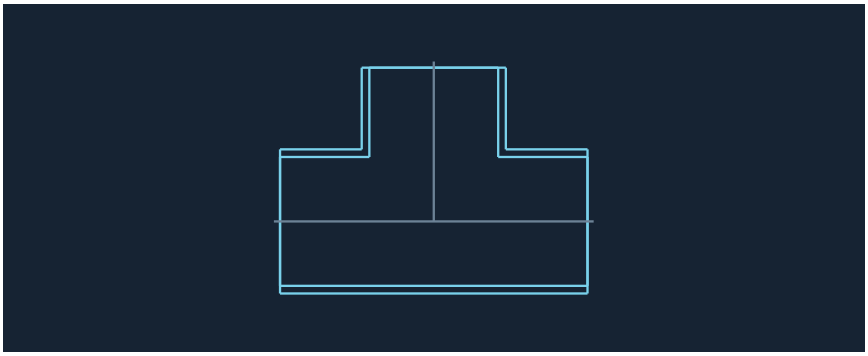
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

8/13

205 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
82750408	16	Schedule 40	406	406	12.7	12.7	305	305	167.52
117456406	16	XS	406	406	12.7	12.7	305	305	167.52
98657532	16	Schedule 60	406	406	16.66	16.66	305	305	207.93
245484590	16	Schedule 80	406	406	21.44	21.44	305	305	249
139835015	16	Schedule 100	406	406	26.19	26.19	305	305	305
132784607	16	Schedule 120	406	406	30.96	30.96	305	305	330
136793641	16	Schedule 140	406	406	36.53	36.53	305	305	385
126082268	16	Schedule 160	406	406	40.49	40.49	305	305	425
95510780	18	Schedule 10	457	457	6.35	6.35	343	343	94.5
6605806	18	Schedule 20	457	457	7.92	7.92	343	343	127.12
231130448	18	STD	457	457	9.52	9.52	343	343	135
44308190	18	Schedule 30	457	457	11.13	11.13	343	343	181.14
176412246	18	XS	457	457	12.7	12.7	343	343	190
244637816	18	Schedule 40	457	457	14.27	14.27	343	343	238.35
250698845	18	Schedule 60	457	457	19.05	19.05	343	343	277.85
204498897	18	Schedule 80	457	457	23.83	23.83	343	343	322

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

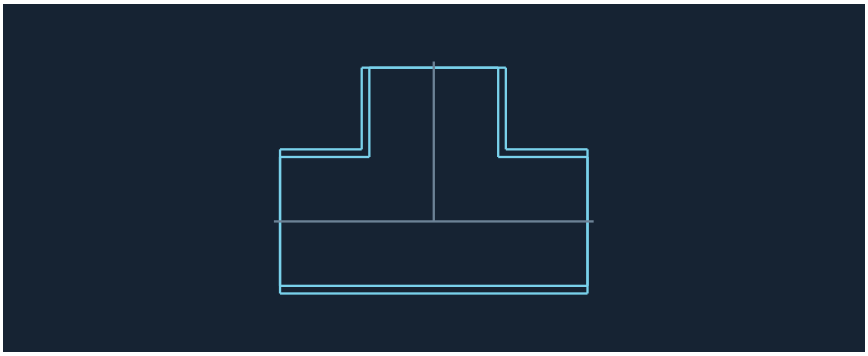
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

9/13

205 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
124514045	18	Schedule 100	457	457	29.36	29.36	343	343	380
88715174	18	Schedule 120	457	457	34.93	34.93	343	343	450
140766190	18	Schedule 140	457	457	39.67	39.67	343	343	500
125067209	18	Schedule 160	457	457	45.24	45.24	343	343	590
113327250	20	Schedule 10	508	508	6.35	6.35	381	381	120
161494313	20	STD	508	508	9.52	9.52	381	381	168
110718757	20	Schedule 30	508	508	12.7	12.7	381	381	265
100210613	20	XS	508	508	12.7	12.7	381	381	245
245526637	20	Schedule 40	508	508	15.09	15.09	381	381	320.52
31907617	20	Schedule 60	508	508	20.62	20.62	381	381	378.64
157392812	20	Schedule 80	508	508	26.18	26.18	381	381	459.05
180633737	20	Schedule 100	508	508	32.54	32.54	381	381	540
44008058	20	Schedule 120	508	508	38.1	38.1	381	381	590
19319220	20	Schedule 140	508	508	44.45	44.45	381	381	720
129775314	20	Schedule 160	508	508	50.01	50.01	381	381	790
61664099	22	Schedule 10	559	559	6.35	6.35	419	419	143

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

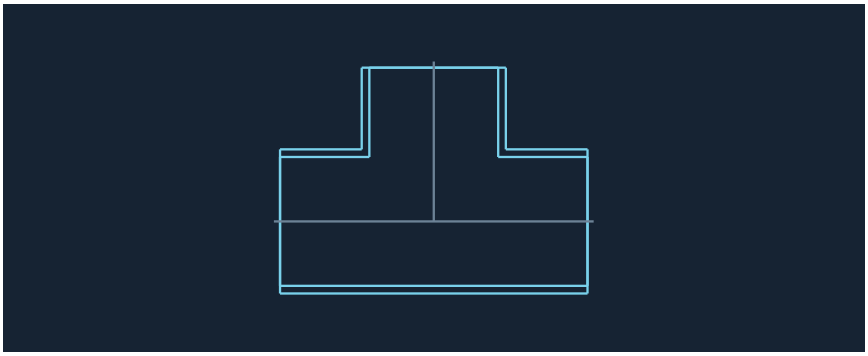
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

10/13

205 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
261356059	22	STD	559	559	9.52	9.52	419	419	200
84570712	22	Schedule 20	559	559	9.52	9.52	419	419	200
164294848	22	Schedule 30	559	559	12.7	12.7	419	419	355
235102623	22	XS	559	559	12.7	12.7	419	419	280
34824648	22	Schedule 60	559	559	22.22	22.22	419	419	510
223416694	22	Schedule 80	559	559	28.58	28.58	419	419	600
213851553	22	Schedule 100	559	559	34.92	34.92	419	419	725
147506028	22	Schedule 120	559	559	41.27	41.27	419	419	840
175036187	22	Schedule 140	559	559	47.62	47.62	419	419	950
125480898	22	Schedule 160	559	559	53.97	53.97	419	419	1100
199013396	24	Schedule 10	610	610	6.35	6.35	432	432	170
118790345	24	STD	610	610	9.52	9.52	432	432	240
191438605	24	XS	610	610	12.7	12.7	432	432	350
175757181	24	Schedule 30	610	610	14.27	14.27	432	432	443.55
54350146	24	Schedule 40	610	610	17.48	17.48	432	432	570.68
258092412	24	Schedule 60	610	610	24.61	24.61	432	432	656.48

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

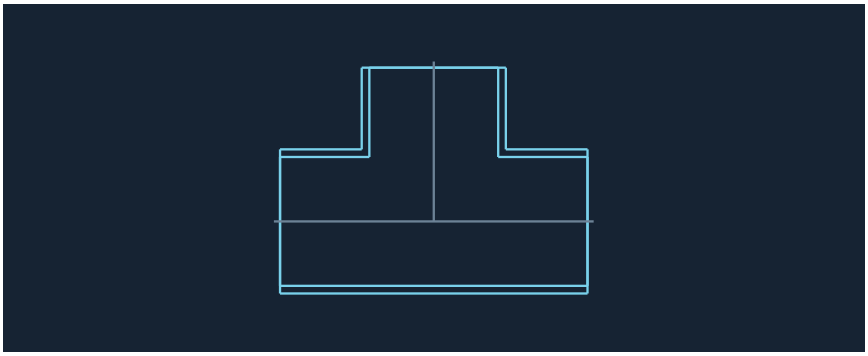
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

11/13

205 catalog variants / entries 161-176. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
141102931	24	Schedule 80	610	610	30.96	30.96	432	432	748
125457933	24	Schedule 100	610	610	38.89	38.89	432	432	910
132526779	24	Schedule 120	610	610	46.02	46.02	432	432	1100
259325283	24	Schedule 140	610	610	52.37	52.37	432	432	1180
87172307	24	Schedule 160	610	610	59.54	59.54	432	432	1310
220686237	26	Schedule 10	660	660	7.92	7.92	495	495	240
8800396	26	STD	660	660	9.52	9.52	495	495	288
11937736	26	XS	660	660	12.7	12.7	495	495	360.5
139652860	28	Schedule 10	711	711	7.92	7.92	521	521	280
108929156	28	STD	711	711	9.52	9.52	521	521	337
71484051	28	XS	711	711	12.7	12.7	521	521	421
243242867	28	Schedule 30	711	711	15.88	15.88	521	521	526
247463012	30	Schedule 10	762	762	7.92	7.92	559	559	322
184977210	30	STD	762	762	9.52	9.52	559	559	388.5
249941482	30	Schedule 20	762	762	12.7	12.7	559	559	483.5
212570796	30	XS	762	762	12.7	12.7	559	559	483.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

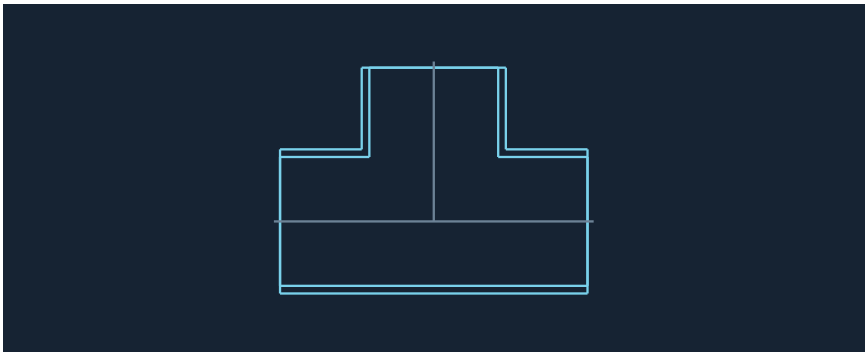
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

12/13

205 catalog variants / entries 177-192. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
74678998	30	Schedule 30	762	762	15.88	15.88	559	559	604
224130145	32	Schedule 10	813	813	7.92	7.92	597	597	375
129069165	32	STD	813	813	9.52	9.52	597	597	451
3325889	32	Schedule 20	813	813	12.7	12.7	597	597	559
180963164	32	XS	813	813	12.7	12.7	597	597	559
213183103	32	Schedule 30	813	813	15.88	15.88	597	597	699
32778004	32	Schedule 40	813	813	17.48	17.48	597	597	769
233126009	34	Schedule 10	864	864	7.92	7.92	635	635	429
221949631	34	STD	864	864	9.52	9.52	635	635	516
8844524	34	XS	864	864	12.7	12.7	635	635	645
47265724	34	Schedule 30	864	864	15.88	15.88	635	635	805
91540724	34	Schedule 40	864	864	17.48	17.48	635	635	886
216752407	36	Schedule 10	914	914	7.92	7.92	673	673	488
173111160	36	STD	914	914	9.52	9.52	673	673	587.5
2681534	36	XS	914	914	12.7	12.7	673	673	731
38205929	36	Schedule 30	914	914	15.88	15.88	673	673	913

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

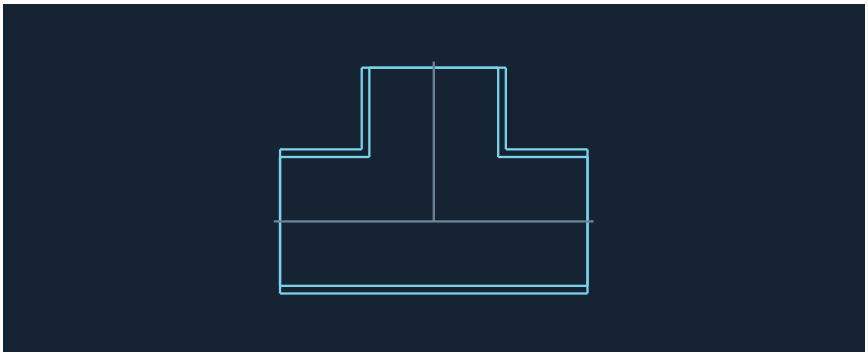
02 / PIPES AND FITTINGS

Dimensions and variants

CS Equal tees

13/13

205 catalog variants / entries 193-205. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
57391009	36	Schedule 40	914	914	19.05	19.05	673	673	1004
208246559	38	STD	965	965	9.52	9.52	711	711	638
32881082	38	XS	965	965	12.7	12.7	711	711	812
13894354	40	STD	1016	1016	9.52	9.52	749	749	690
31709045	40	XS	1016	1016	12.7	12.7	749	749	894.5
81845490	42	STD	1067	1067	9.52	9.52	762	711	831
187238116	42	XS	1067	1067	12.7	12.7	762	711	1045
99968257	44	STD	1118	1118	9.52	9.52	813	762	899
174038761	44	XS	1118	1118	12.7	12.7	813	762	1194
138351494	46	STD	1168	1168	9.52	9.52	851	800	1007
127958085	46	XS	1168	1168	12.7	12.7	851	800	1346
142359821	48	STD	1219	1219	9.52	9.52	889	838	1112.5
162873359	48	XS	1219	1219	12.7	12.7	889	838	1498.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

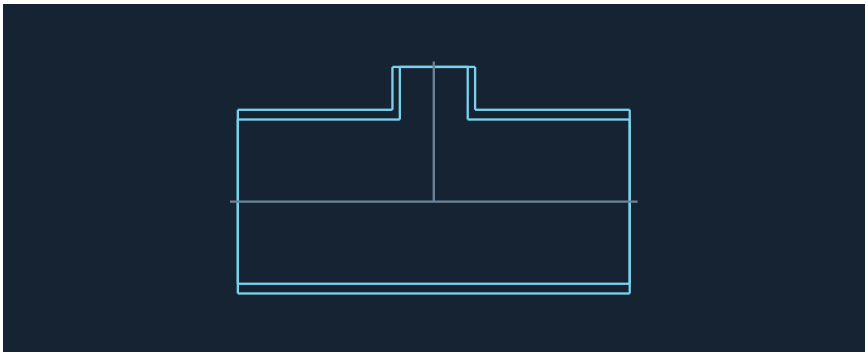
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

1/64

1,018 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
207570658	1/2 x 1/4	Schedule 30	21	14	2.41	1.85	25	25	--
157055835	1/2 x 1/4	STD	21	14	2.77	2.24	25	25	0.16
21703169	1/2 x 1/4	XS	21	14	3.73	3.03	25	25	0.25
42133382	1/2 x 3/8	Schedule 30	21	17	2.41	1.85	25	25	--
175599317	1/2 x 3/8	STD	21	17	2.77	2.31	25	25	0.16
240379513	1/2 x 3/8	XS	21	17	3.73	3.2	25	25	0.25
181382050	3/4 x 3/8	Schedule 30	27	17	2.41	1.85	29	29	--
117667639	3/4 x 3/8	STD	27	17	2.87	2.31	29	29	0.25
125075496	3/4 x 3/8	XS	27	17	3.91	3.2	29	29	0.34
231662269	3/4 x 1/2	Schedule 30	27	21	2.41	2.41	29	29	--
84273363	3/4 x 1/2	STD	27	21	2.87	2.77	29	29	0.25
103467703	3/4 x 1/2	XS	27	21	3.91	3.73	29	29	0.34
50096529	3/4 x 1/2	Schedule 160	27	21	5.56	4.78	29	29	0.27
7712931	3/4 x 1/2	XXS	27	21	7.82	7.47	29	29	0.4
28876418	1 1/4 x 1/2	Schedule 30	42	21	2.97	2.41	48	48	--
6300965	1 1/4 x 1/2	STD	42	21	3.56	2.77	48	48	0.6

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

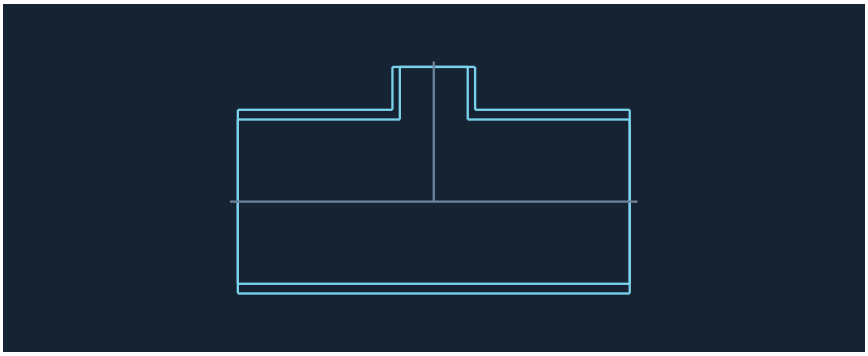
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

2/64

1,018 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
80386262	1 1/4 x 1/2	XS	42	21	4.85	3.73	48	48	0.58
90205579	1 1/4 x 1/2	Schedule 160	42	21	6.35	4.78	48	48	0.76
232497861	1 1/4 x 1/2	XXS	42	21	9.7	7.47	48	48	1
69620997	1 1/4 x 3/4	Schedule 30	42	27	2.97	2.41	48	48	--
94437815	1 1/4 x 3/4	STD	42	27	3.56	2.87	48	48	0.6
204890502	1 1/4 x 3/4	XS	42	27	4.85	3.91	48	48	0.59
185717148	1 1/4 x 3/4	Schedule 160	42	27	6.35	5.56	48	48	0.78
56847676	1 1/4 x 3/4	XXS	42	27	9.7	7.82	48	48	1.02
166239152	1 1/4 x 1	Schedule 30	42	33	2.97	2.9	48	48	--
267032981	1 1/4 x 1	STD	42	33	3.56	3.38	48	48	0.6
165416391	1 1/4 x 1	Schedule 40	42	33	3.56	3.38	48	48	0.6
224723448	1 1/4 x 1	Schedule 80	42	33	4.85	4.55	48	48	0.6
101235583	1 1/4 x 1	XS	42	33	4.85	4.55	48	48	0.6
117871749	1 1/4 x 1	Schedule 160	42	33	6.35	6.35	48	48	0.8
167926349	1 1/4 x 1	XXS	42	33	9.7	9.09	48	48	1.09
146108123	1 x 1/2	Schedule 30	33	21	2.9	2.41	38	38	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

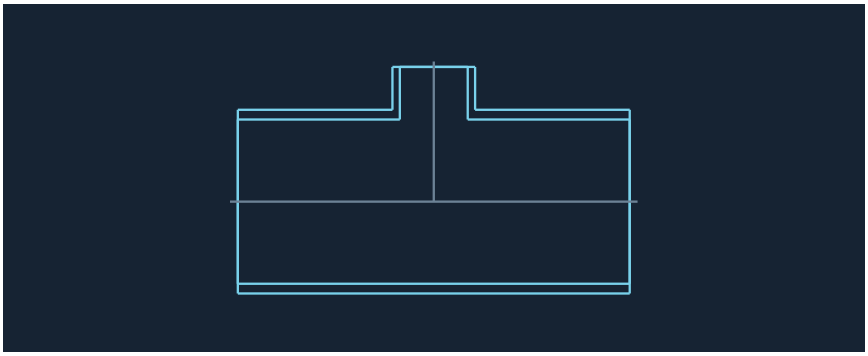
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

3/64

1,018 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
219083583	1 x 1/2	STD	33	21	3.38	2.77	38	38	0.34
167416448	1 x 1/2	XS	33	21	4.55	3.73	38	38	0.4
35563866	1 x 1/2	Schedule 160	33	21	6.35	4.78	38	38	0.44
254844776	1 x 1/2	XXS	33	21	9.09	7.47	38	38	0.55
112562690	1 1/2 x 1/2	Schedule 30	48	21	3.18	2.41	57	57	--
171095419	1 1/2 x 1/2	STD	48	21	3.68	2.77	57	57	1.35
252418970	1 1/2 x 1/2	XS	48	21	5.08	3.73	57	57	1.5
3535606	1 1/2 x 1/2	Schedule 160	48	21	7.13	4.78	57	57	1.25
136506459	1 1/2 x 1/2	XXS	48	21	10.16	7.47	57	57	2.54
200857576	1 1/2 x 3/4	Schedule 30	48	27	3.18	2.41	57	57	--
104329559	1 1/2 x 3/4	STD	48	27	3.68	2.87	57	57	0.73
111665918	1 1/2 x 3/4	XS	48	27	5.08	3.91	57	57	0.94
70039997	1 1/2 x 3/4	Schedule 160	48	27	7.13	5.56	57	57	1.19
49988216	1 1/2 x 3/4	XXS	48	27	10.16	7.82	57	57	1.5
100760116	1 1/2 x 1	Schedule 30	48	33	3.18	2.9	57	57	--
56287730	1 1/2 x 1	STD	48	33	3.68	3.38	57	57	0.73

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

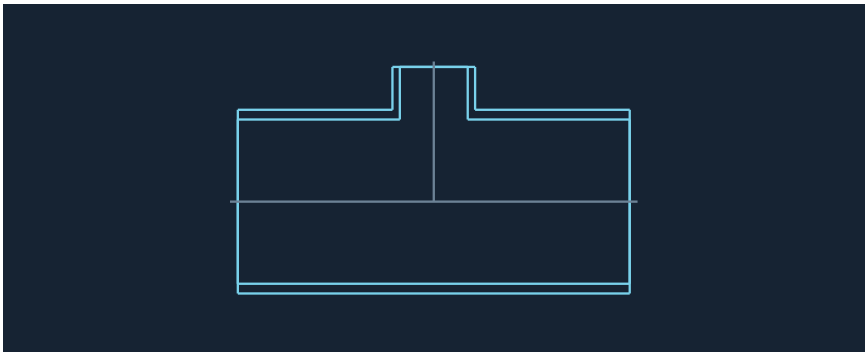
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

4/64

1,018 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
101300348	1 1/2 x 1	XS	48	33	5.08	4.55	57	57	0.96
17232996	1 1/2 x 1	Schedule 160	48	33	7.13	6.35	57	57	1.25
39733597	1 1/2 x 1	XXS	48	33	10.16	9.09	57	57	1.55
111671619	1 1/2 x 1 1/4	Schedule 30	48	42	3.18	2.97	57	57	--
17078699	1 1/2 x 1 1/4	STD	48	42	3.68	3.56	57	57	0.8
156739076	1 1/2 x 1 1/4	XS	48	42	5.08	4.85	57	57	0.99
37896769	1 1/2 x 1 1/4	Schedule 160	48	42	7.13	6.35	57	57	1.25
173459185	1 1/2 x 1 1/4	XXS	48	42	10.16	9.7	57	57	1.62
265260364	1 x 3/4	Schedule 30	33	27	2.9	2.41	38	38	--
218834722	1 x 3/4	STD	33	27	3.38	2.87	38	38	0.35
40575165	1 x 3/4	XS	33	27	4.55	3.91	38	38	0.4
38164855	1 x 3/4	Schedule 160	33	27	6.35	5.56	38	38	0.46
26950046	1 x 3/4	XXS	33	27	9.09	7.82	38	38	0.57
41287392	2 1/2 x 1	Schedule 30	73	33	4.78	2.9	76	57	--
59934327	2 1/2 x 1	STD	73	33	5.16	3.38	76	57	1.96
133634076	2 1/2 x 1	XS	73	33	7.01	4.55	76	57	3.37

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

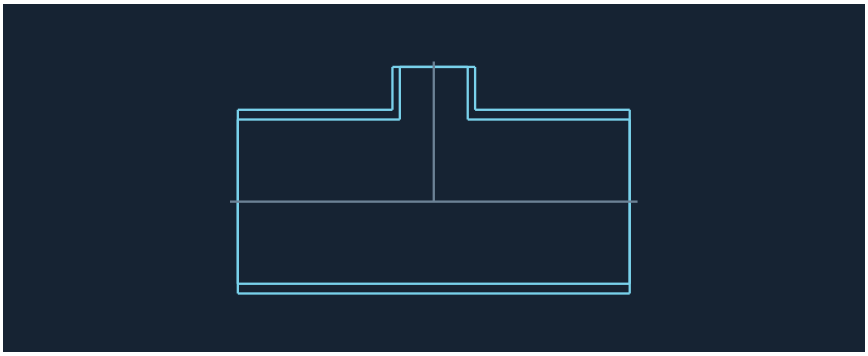
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

5/64

1,018 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
147224403	2 1/2 x 1	Schedule 160	73	33	9.52	6.35	76	57	3.27
123655750	2 1/2 x 1	XXS	73	33	14.02	9.09	76	57	4.27
224665040	2 1/2 x 1 1/4	Schedule 30	73	42	4.78	2.97	76	64	--
259586358	2 1/2 x 1 1/4	STD	73	42	5.16	3.56	76	64	1.99
163897979	2 1/2 x 1 1/4	XS	73	42	7.01	4.85	76	64	3.37
67748613	2 1/2 x 1 1/4	Schedule 160	73	42	9.52	6.35	76	64	3.3
224146620	2 1/2 x 1 1/4	XXS	73	42	14.02	9.7	76	64	4.46
108940299	2 1/2 x 1 1/2	Schedule 30	73	48	4.78	3.18	76	67	--
240443259	2 1/2 x 1 1/2	STD	73	48	5.16	3.68	76	67	2.04
23202692	2 1/2 x 1 1/2	XS	73	48	7.01	5.08	76	67	3.37
209523235	2 1/2 x 1 1/2	Schedule 160	73	48	9.52	7.13	76	67	3.35
123535125	2 1/2 x 1 1/2	XXS	73	48	14.02	10.16	76	67	4.49
64279341	2 1/2 x 2	Schedule 30	73	60	4.78	3.18	76	70	--
94342882	2 1/2 x 2	STD	73	60	5.16	3.91	76	70	2.08
259119001	2 1/2 x 2	XS	73	60	7.01	5.54	76	70	3.37
43495007	2 1/2 x 2	Schedule 160	73	60	9.52	8.74	76	70	3.45

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

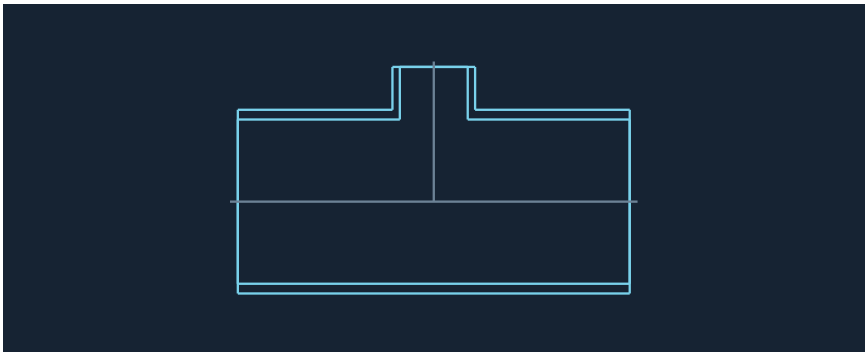
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

6/64

1,018 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
39489035	2 1/2 x 2	XXS	73	60	14.02	11.07	76	70	4.58
36108622	2 x 3/4	Schedule 30	60	27	3.18	2.41	64	44	--
106673322	2 x 3/4	STD	60	27	3.91	2.87	64	44	1.29
108635734	2 x 3/4	Schedule 40	60	27	3.91	2.87	64	44	1.29
133925060	2 x 3/4	Schedule 80	60	27	5.54	3.91	64	44	2.05
12481448	2 x 3/4	XS	60	27	5.54	3.91	64	44	2.05
185644418	2 x 3/4	Schedule 160	60	27	8.74	5.56	64	44	2.16
228857111	2 x 3/4	XXS	60	27	11.07	7.82	64	44	2.52
58561458	2 x 1	Schedule 30	60	33	3.18	2.9	64	51	--
43183104	2 x 1	STD	60	33	3.91	3.38	64	51	1.31
123175276	2 x 1	Schedule 40	60	33	3.91	3.38	64	51	1.31
195156290	2 x 1	Schedule 80	60	33	5.54	4.55	64	51	2.05
42231605	2 x 1	XS	60	33	5.54	4.55	64	51	2.05
219641023	2 x 1	Schedule 160	60	33	8.74	6.35	64	51	2.19
149732873	2 x 1	XXS	60	33	11.07	9.09	64	51	2.65
68709285	2 x 1 1/4	Schedule 30	60	42	3.18	2.97	64	57	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

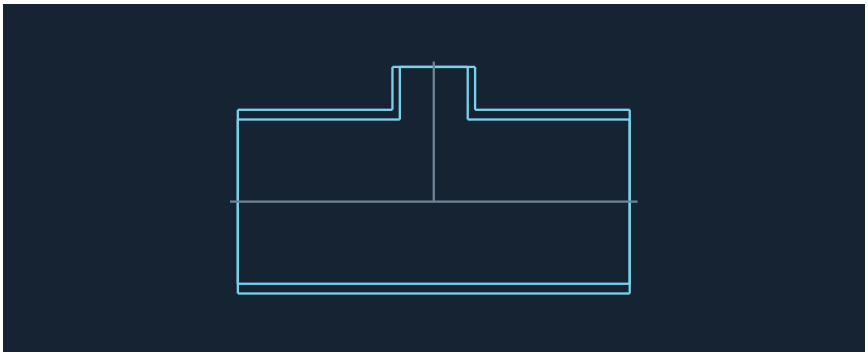
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

7/64

1,018 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
172594402	2 x 1 1/4	STD	60	42	3.91	3.56	64	57	1.46
62722105	2 x 1 1/4	XS	60	42	5.54	4.85	64	57	2.05
9796457	2 x 1 1/4	Schedule 160	60	42	8.74	6.35	64	57	2.23
78205260	2 x 1 1/4	XXS	60	42	11.07	9.7	64	57	2.71
95877145	2 x 1 1/2	Schedule 30	60	48	3.18	3.18	64	60	--
213448385	2 x 1 1/2	STD	60	48	3.91	3.68	64	60	1.5
79933472	2 x 1 1/2	XS	60	48	5.54	5.08	64	60	2.05
229905485	2 x 1 1/2	Schedule 160	60	48	8.74	7.13	64	60	2.27
82137696	2 x 1 1/2	XXS	60	48	11.07	10.16	64	60	2.73
193313281	3 1/2 x 1 1/2	STD	102	48	5.74	3.68	95	79	3.85
88416243	3 1/2 x 1 1/2	XS	102	48	8.08	5.08	95	79	6.52
85325012	3 1/2 x 2	STD	102	60	5.74	3.91	95	83	3.85
197934720	3 1/2 x 2	XS	102	60	8.08	5.54	95	83	6.52
58299102	3 1/2 x 2 1/2	STD	102	73	5.74	5.16	95	89	3.99
196459217	3 1/2 x 2 1/2	Schedule 40	102	73	5.74	5.16	95	89	3.99
245466516	3 1/2 x 2 1/2	Schedule 80	102	73	8.08	7.01	95	89	6.52

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

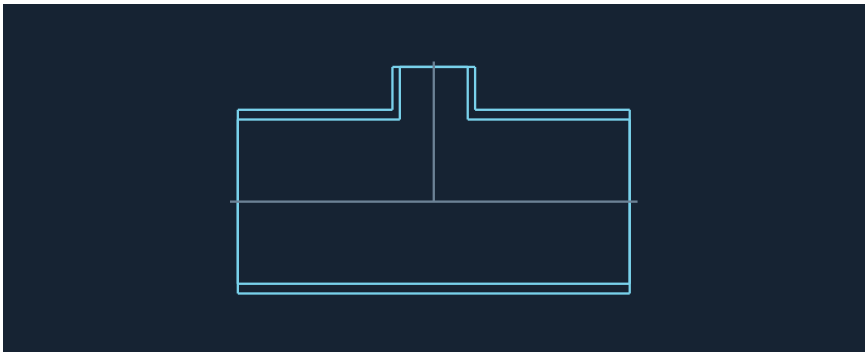
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

8/64

1,018 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
69820264	3 1/2 x 2 1/2	XS	102	73	8.08	7.01	95	89	6.52
13814848	3 1/2 x 3	STD	102	89	5.74	5.49	95	92	4.09
112409106	3 1/2 x 3	Schedule 40	102	89	5.74	5.49	95	92	4.09
47561342	3 1/2 x 3	Schedule 80	102	89	8.08	7.62	95	92	6.52
148164198	3 1/2 x 3	XS	102	89	8.08	7.62	95	92	6.52
98968352	3 x 1 1/4	STD	89	42	5.49	3.56	86	70	2.88
108723414	3 x 1 1/4	XS	89	42	7.62	4.85	86	70	4.25
186244510	3 x 1 1/4	Schedule 160	89	42	11.13	6.35	86	70	5.4
113095905	3 x 1 1/4	XXS	89	42	15.24	9.7	86	70	7.4
72254422	3 x 1 1/2	STD	89	48	5.49	3.68	86	73	2.88
153106428	3 x 1 1/2	XS	89	48	7.62	5.08	86	73	4.25
157914028	3 x 1 1/2	Schedule 160	89	48	11.13	7.13	86	73	5.5
68699658	3 x 1 1/2	XXS	89	48	15.24	10.16	86	73	7.5
261906037	3 x 2	STD	89	60	5.49	3.91	86	76	2.9
56103258	3 x 2	XS	89	60	7.62	5.54	86	76	4.25
178475777	3 x 2	Schedule 160	89	60	11.13	8.74	86	76	5.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

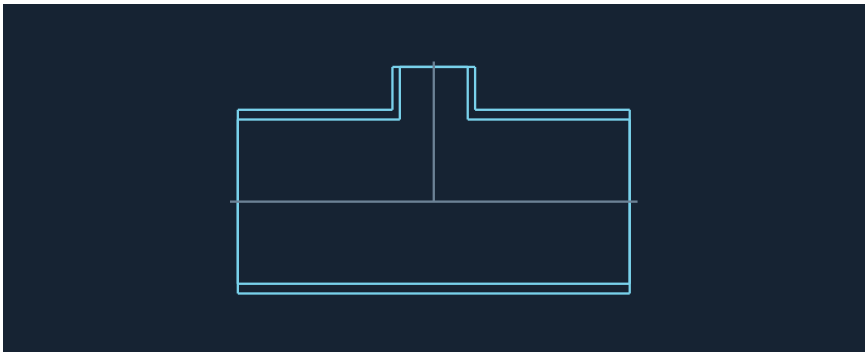
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

9/64

1,018 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
186170646	3 x 2	XXS	89	60	15.24	11.07	86	76	7.5
222423081	3 x 2 1/2	STD	89	73	5.49	5.16	86	83	3
259022933	3 x 2 1/2	XS	89	73	7.62	7.01	86	83	4.25
145521841	3 x 2 1/2	Schedule 160	89	73	11.13	9.52	86	83	5.6
184252495	3 x 2 1/2	XXS	89	73	15.24	14.02	86	83	7.7
150034202	4 x 1 1/2	STD	114	48	6.02	3.68	105	86	4.95
245028825	4 x 1 1/2	XS	114	48	8.56	5.08	105	86	7.5
183507292	4 x 1 1/2	Schedule 160	114	48	13.5	7.13	105	86	15.5
175941616	4 x 1 1/2	XXS	114	48	17.12	10.16	105	86	17
200196744	4 x 2	STD	114	60	6.02	3.91	105	89	4.99
11636964	4 x 2	XS	114	60	8.56	5.54	105	89	7.5
62401850	4 x 2	Schedule 160	114	60	13.5	8.74	105	89	15.5
121198087	4 x 2	XXS	114	60	17.12	11.07	105	89	17
120831301	4 x 2 1/2	STD	114	73	6.02	5.16	105	95	5.13
155126826	4 x 2 1/2	XS	114	73	8.56	7.01	105	95	7.5
223416860	4 x 2 1/2	Schedule 160	114	73	13.5	9.52	105	95	15.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

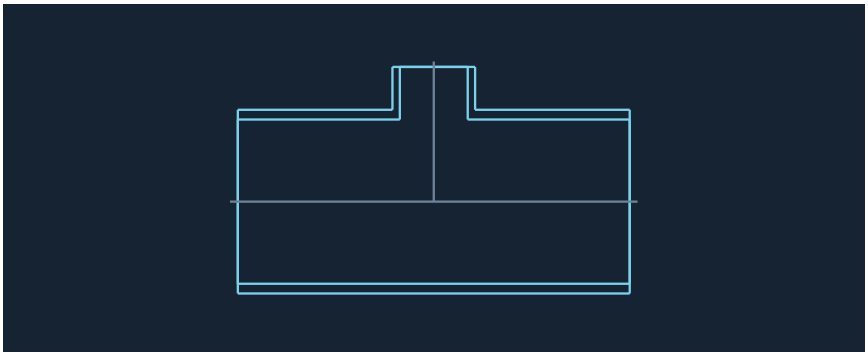
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

10/64

1,018 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
223584813	4 x 2 1/2	XXS	114	73	17.12	14.02	105	95	17
7272361	4 x 3	STD	114	89	6.02	5.49	105	98	5.18
82041939	4 x 3	XS	114	89	8.56	7.62	105	98	7.5
195184650	4 x 3	Schedule 160	114	89	13.5	11.13	105	98	15.9
123046110	4 x 3	XXS	114	89	17.12	15.24	105	98	17
192492131	4 x 3 1/2	STD	114	102	6.02	5.74	105	102	5.27
201943948	4 x 3 1/2	XS	114	102	8.56	8.08	105	102	7.5
71156156	5 x 2	STD	141	60	6.55	3.91	124	105	7.81
85143370	5 x 2	XS	141	60	9.52	5.54	124	105	12.1
173967219	5 x 2	Schedule 160	141	60	15.87	8.74	124	105	23
194266290	5 x 2	XXS	141	60	19.05	11.07	124	105	22.2
39463830	5 x 2 1/2	STD	141	73	6.55	5.16	124	108	7.9
253234719	5 x 2 1/2	XS	141	73	9.52	7.01	124	108	12.1
255632375	5 x 2 1/2	Schedule 160	141	73	15.87	9.52	124	108	23
147520099	5 x 2 1/2	XXS	141	73	19.05	14.02	124	108	22.2
55658260	5 x 3	STD	141	89	6.55	5.49	124	111	7.99

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

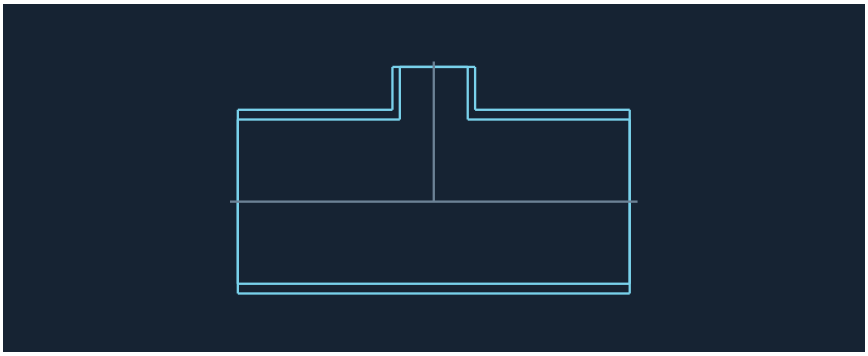
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

11/64

1,018 catalog variants / entries 161-176. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
232368286	5 x 3	Schedule 40	141	89	6.55	5.49	124	111	7.99
251259689	5 x 3	Schedule 80	141	89	9.52	7.62	124	111	12.1
219462943	5 x 3	XS	141	89	9.52	7.62	124	111	12.1
56284604	5 x 3	Schedule 160	141	89	15.87	11.13	124	111	23
224448414	5 x 3	XXS	141	89	19.05	15.24	124	111	26.2
118752030	5 x 3 1/2	STD	141	102	6.55	5.74	124	114	8.08
109827483	5 x 3 1/2	Schedule 40	141	102	6.55	5.74	124	114	8.08
247789417	5 x 3 1/2	Schedule 80	141	102	9.52	8.08	124	114	12.1
174363319	5 x 3 1/2	XS	141	102	9.52	8.08	124	114	12.1
126352351	5 x 4	STD	141	114	6.55	6.02	124	117	8.22
240437184	5 x 4	XS	141	114	9.52	8.56	124	117	12.1
113451633	5 x 4	Schedule 120	141	114	12.7	11.13	124	117	18.1
210716129	5 x 4	Schedule 160	141	114	15.87	13.5	124	117	23
46875464	5 x 4	XXS	141	114	19.05	17.12	124	117	26.2
95304159	6 x 2 1/2	STD	168	73	7.11	5.16	143	121	16
40422889	6 x 2 1/2	XS	168	73	10.97	7.01	143	121	18

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

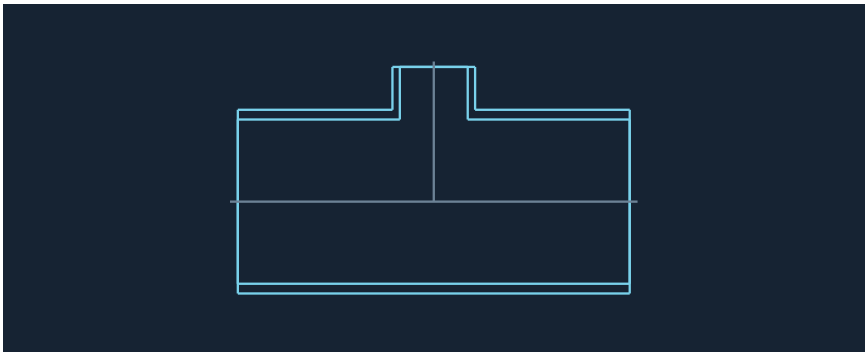
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

12/64

1,018 catalog variants / entries 177-192. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
6899185	6 x 2 1/2	Schedule 160	168	73	18.26	9.52	143	121	29
19756729	6 x 2 1/2	XXS	168	73	21.95	14.02	143	121	29
240987303	6 x 3	STD	168	89	7.11	5.49	143	124	16
112819513	6 x 3	XS	168	89	10.97	7.62	143	124	18
157337644	6 x 3	Schedule 160	168	89	18.26	11.13	143	124	30
261400084	6 x 3	XXS	168	89	21.95	15.24	143	124	29
19972629	6 x 3 1/2	STD	168	102	7.11	5.74	143	127	16
164599387	6 x 3 1/2	XS	168	102	10.97	8.08	143	127	18
149463886	6 x 3 1/2	XXS	168	102	21.95	16.15	143	127	29
232989924	6 x 4	STD	168	114	7.11	6.02	143	130	16
235916431	6 x 4	XS	168	114	10.97	8.56	143	130	18
76762850	6 x 4	Schedule 120	168	114	14.27	11.13	143	130	29
9511470	6 x 4	Schedule 160	168	114	18.26	13.5	143	130	30
240653036	6 x 4	XXS	168	114	21.95	17.12	143	130	29
172378587	6 x 5	STD	168	141	7.11	6.55	143	137	16
247362789	6 x 5	XS	168	141	10.97	9.52	143	137	18

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

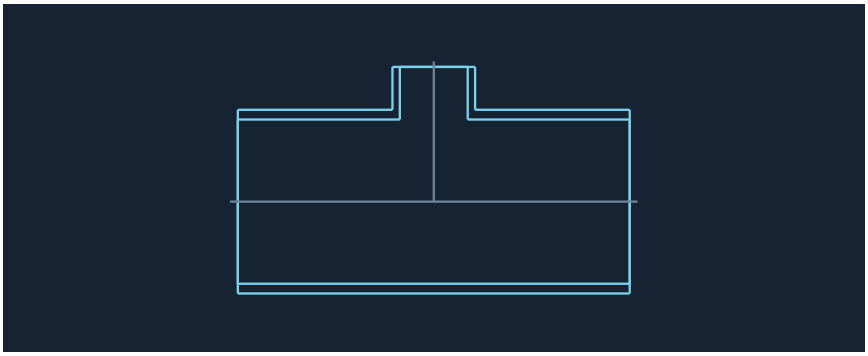
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

13/64

1,018 catalog variants / entries 193-208. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
226613381	6 x 5	Schedule 120	168	141	14.27	12.7	143	137	29
63057313	6 x 5	Schedule 160	168	141	18.26	15.87	143	137	30
94910354	6 x 5	XXS	168	141	21.95	19.05	143	137	38
231238515	8 x 3 1/2	STD	219	102	8.18	5.74	178	152	28
93580827	8 x 3 1/2	Schedule 40	219	102	8.18	5.74	178	152	28
184303316	8 x 3 1/2	XS	219	102	12.7	8.08	178	152	34
17270576	8 x 4	STD	219	114	8.18	6.02	178	156	28
258225840	8 x 4	Schedule 80	219	114	12.7	8.56	178	156	34
200647060	8 x 4	XS	219	114	12.7	8.56	178	156	34
245769145	8 x 4	Schedule 120	219	114	18.26	11.13	178	156	44
249342872	8 x 4	XXS	219	114	22.23	17.12	178	156	51
172832078	8 x 4	Schedule 160	219	114	23.01	13.5	178	156	49
75565911	8 x 5	STD	219	141	8.18	6.55	178	162	28
263298767	8 x 5	Schedule 80	219	141	12.7	9.52	178	162	34
218025248	8 x 5	XS	219	141	12.7	9.52	178	162	34
162760879	8 x 5	Schedule 120	219	141	18.26	12.7	178	162	44

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

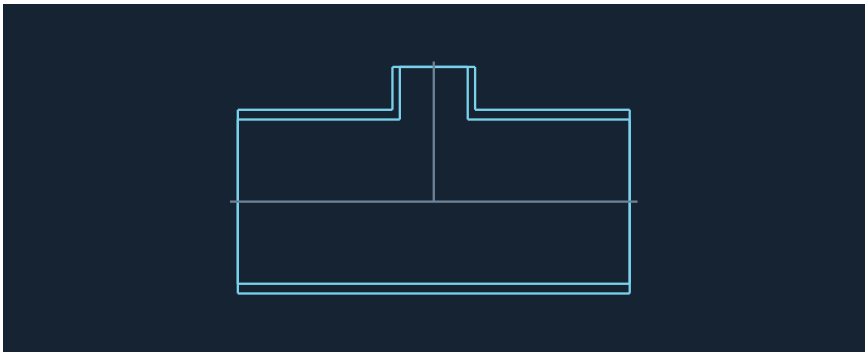
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

14/64

1,018 catalog variants / entries 209-224. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
228525911	8 x 5	XXS	219	141	22.23	19.05	178	162	51
250406929	8 x 5	Schedule 160	219	141	23.01	25.87	178	162	52
216012013	8 x 6	STD	219	168	8.18	7.11	178	168	28
185338029	8 x 6	XS	219	168	12.7	10.97	178	168	34
89858414	8 x 6	Schedule 120	219	168	18.23	14.27	178	168	52
214449617	8 x 6	XXS	219	168	22.23	21.95	178	168	51
214307447	8 x 6	Schedule 160	219	168	23.01	18.26	178	168	52
62661157	10 x 4	STD	273	114	9.27	6.02	216	184	41
39188366	10 x 4	XS	273	114	12.7	8.56	216	184	52
45052234	10 x 4	Schedule 80	273	114	15.09	8.56	216	184	53
234053226	10 x 4	Schedule 120	273	114	21.44	11.13	216	184	71
202092961	10 x 4	XXS	273	114	25.4	17.12	216	184	80
239347314	10 x 4	Schedule 160	273	114	28.57	13.5	216	184	85
221767695	10 x 5	STD	273	141	9.27	6.55	216	191	41
109844064	10 x 5	XS	273	141	12.7	9.52	216	191	52
92835906	10 x 5	Schedule 80	273	141	15.09	9.52	216	191	53

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

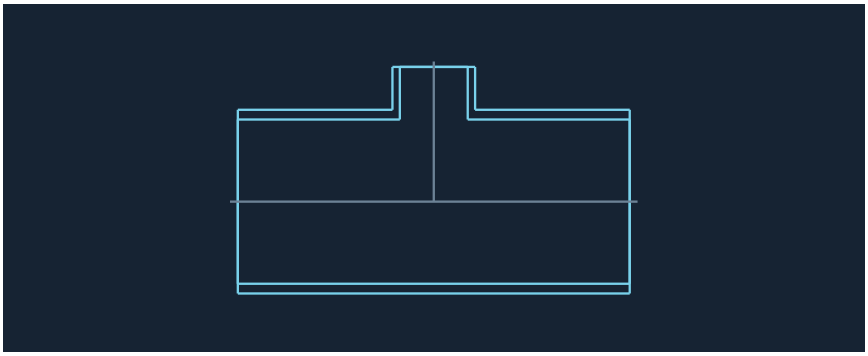
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

15/64

1,018 catalog variants / entries 225-240. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
132158777	10 x 5	Schedule 120	273	141	21.44	12.7	216	191	71
87345411	10 x 5	XXS	273	141	25.4	19.05	216	191	80
159428213	10 x 5	Schedule 160	273	141	28.57	15.87	216	191	89
196298324	10 x 6	STD	273	168	9.27	7.11	216	194	41
3361312	10 x 6	XS	273	168	12.7	10.97	216	194	52
177494976	10 x 6	Schedule 80	273	168	15.09	10.97	216	194	54
147862272	10 x 6	Schedule 120	273	168	21.44	14.27	216	194	82
256231886	10 x 6	XXS	273	168	25.4	21.95	216	194	91
6593194	10 x 6	Schedule 160	273	168	28.57	18.26	216	194	101
225279416	10 x 8	Schedule 20	273	219	6.35	6.35	216	203	29
134431292	10 x 8	Schedule 30	273	219	6.35	6.35	216	203	29
147827074	10 x 8	STD	273	219	9.27	8.18	216	203	41
190240368	10 x 8	Schedule 60	273	219	12.7	10.31	216	203	53
8623097	10 x 8	XS	273	219	12.7	12.7	216	203	58
263194153	10 x 8	Schedule 80	273	219	15.09	12.7	216	203	71
242095782	10 x 8	Schedule 100	273	219	18.26	15.09	216	203	73

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

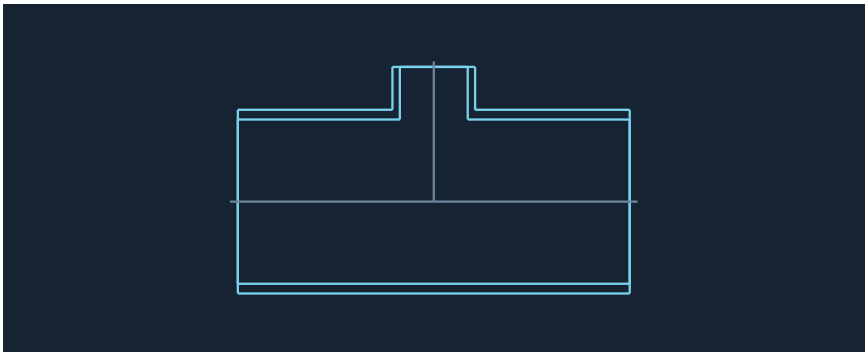
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

16/64

1,018 catalog variants / entries 241-256. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
96982567	10 x 8	Schedule 120	273	219	21.44	18.26	216	203	89
47556676	10 x 8	Schedule 140	273	219	25.4	20.62	216	203	99
131553694	10 x 8	XXS	273	219	25.4	22.23	216	203	99
65423313	10 x 8	Schedule 160	273	219	28.57	23.01	216	203	109
25884418	12 x 5	STD	324	141	9.52	6.55	254	216	63
159024337	12 x 5	Schedule 40	324	141	10.31	6.55	254	216	64
105441110	12 x 5	XS	324	141	12.7	9.52	254	216	82
24602070	12 x 5	Schedule 80	324	141	17.48	9.52	254	216	82
161580587	12 x 5	Schedule 120	324	141	25.4	12.7	254	216	103
112090775	12 x 5	XXS	324	141	25.4	19.05	254	216	120
212252212	12 x 5	Schedule 160	324	141	33.32	15.87	254	216	144
130036845	12 x 6	STD	324	168	9.52	7.11	254	219	63
133675746	12 x 6	Schedule 40	324	168	10.31	7.11	254	219	64
172880514	12 x 6	XS	324	168	12.7	10.97	254	219	82
185512749	12 x 6	Schedule 80	324	168	17.48	10.97	254	219	82
165153311	12 x 6	Schedule 120	324	168	25.4	14.27	254	219	111

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

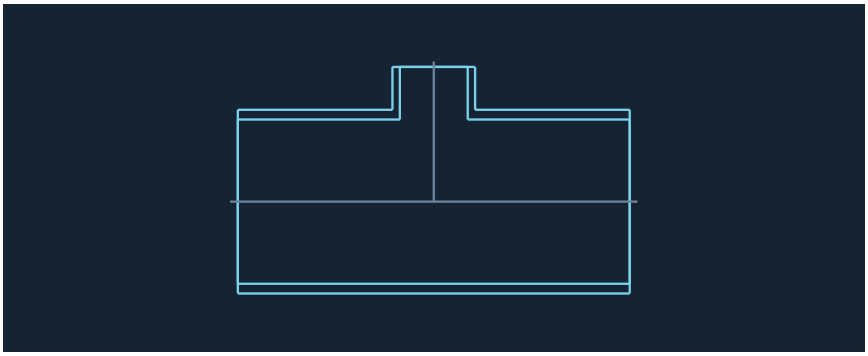
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

17/64

1,018 catalog variants / entries 257-272. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
127277996	12 x 6	XXS	324	168	25.4	21.95	254	219	120
238646631	12 x 6	Schedule 160	324	168	33.32	18.26	254	219	144
107794380	12 x 8	Schedule 20	324	219	6.35	6.35	254	229	41
10213993	12 x 8	Schedule 30	324	219	8.38	7.03	254	229	60
216721295	12 x 8	STD	324	219	9.52	8.18	254	229	63
88126159	12 x 8	Schedule 40	324	219	10.31	8.18	254	229	64
35062735	12 x 8	XS	324	219	12.7	12.7	254	229	82
104753628	12 x 8	Schedule 60	324	219	14.27	10.31	254	229	82
80253923	12 x 8	Schedule 80	324	219	17.48	12.7	254	229	82
221930897	12 x 8	Schedule 100	324	219	21.44	15.09	254	229	122
6720044	12 x 8	Schedule 120	324	219	25.4	18.26	254	229	133
97061408	12 x 8	XXS	324	219	25.4	22.23	254	229	129
193564615	12 x 8	Schedule 140	324	219	28.57	20.62	254	229	144
69273944	12 x 8	Schedule 160	324	219	33.32	23.01	254	229	155
209514021	12 x 10	Schedule 20	324	273	6.35	6.35	254	241	43
155608601	12 x 10	Schedule 30	324	273	8.38	7.8	254	241	62

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

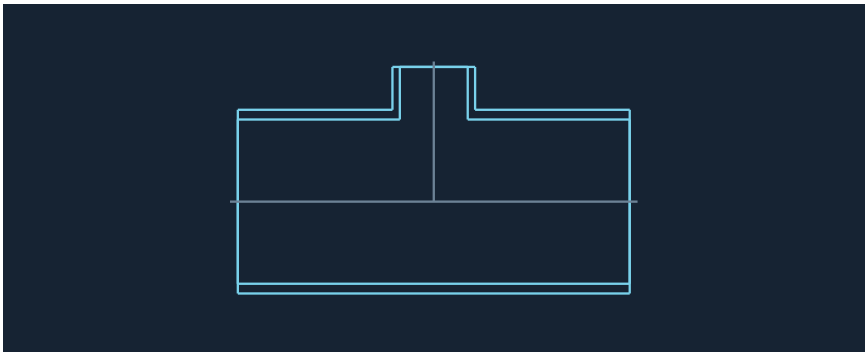
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

18/64

1,018 catalog variants / entries 273-288. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
112403048	12 x 10	STD	324	273	9.52	9.27	254	241	63
131211269	12 x 10	Schedule 40	324	273	10.31	9.27	254	241	67
208514266	12 x 10	XS	324	273	12.7	12.7	254	241	85
211173317	12 x 10	Schedule 60	324	273	14.27	12.7	254	241	103
262229958	12 x 10	Schedule 80	324	273	17.48	15.09	254	241	103
16592612	12 x 10	Schedule 100	324	273	21.44	18.26	254	241	126
107631732	12 x 10	Schedule 120	324	273	25.4	21.44	254	241	149
104455291	12 x 10	XXS	324	273	25.4	25.4	254	241	150
259850784	12 x 10	Schedule 140	324	273	28.57	25.4	254	241	160
15201645	12 x 10	Schedule 160	324	273	33.32	28.57	254	241	171
123348560	14 x 6	STD	356	168	9.52	7.11	279	238	107
42971026	14 x 6	Schedule 40	356	168	11.12	7.11	279	238	109
24969322	14 x 6	XS	356	168	12.7	10.97	279	238	122
119622536	14 x 6	Schedule 80	356	168	19.05	10.97	279	238	122
107049871	14 x 6	Schedule 120	356	168	27.79	14.27	279	238	205
157721158	14 x 6	Schedule 160	356	168	35.71	18.26	279	238	270

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

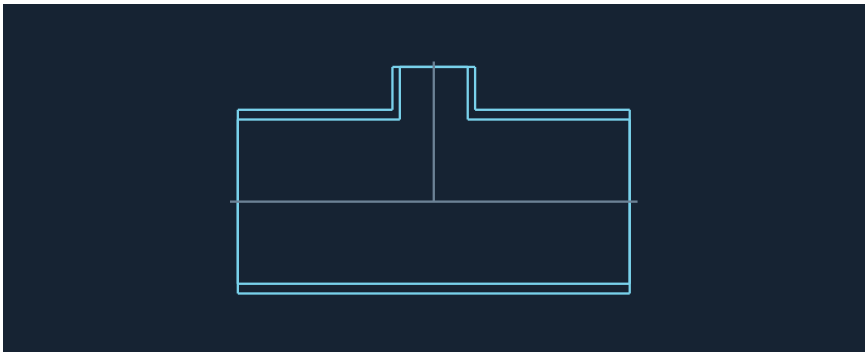
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

19/64

1,018 catalog variants / entries 289-304. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
208376466	14 x 8	Schedule 20	356	219	7.92	6.35	279	248	90
76855280	14 x 8	Schedule 30	356	219	9.52	7.03	279	248	99
245706118	14 x 8	STD	356	219	9.52	8.18	279	248	107
55594647	14 x 8	Schedule 40	356	219	11.12	8.18	279	248	109
7159481	14 x 8	XS	356	219	12.7	12.7	279	248	122
238771402	14 x 8	Schedule 60	356	219	15.09	10.31	279	248	136
63046556	14 x 8	Schedule 80	356	219	19.05	12.7	279	248	122
198968982	14 x 8	Schedule 100	356	219	23.83	15.09	279	248	195
253288053	14 x 8	Schedule 120	356	219	27.79	18.26	279	248	220
70886114	14 x 8	Schedule 140	356	219	31.75	20.62	279	248	250
12081433	14 x 8	Schedule 160	356	219	35.71	23.01	279	248	270
135276115	14 x 10	Schedule 20	356	273	7.92	6.35	279	257	90
90265769	14 x 10	Schedule 30	356	273	9.52	7.8	279	257	99
235317171	14 x 10	STD	356	273	9.52	9.27	279	257	107
187770362	14 x 10	Schedule 40	356	273	11.12	9.27	279	257	109
168654599	14 x 10	XS	356	273	12.7	12.7	279	257	127

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

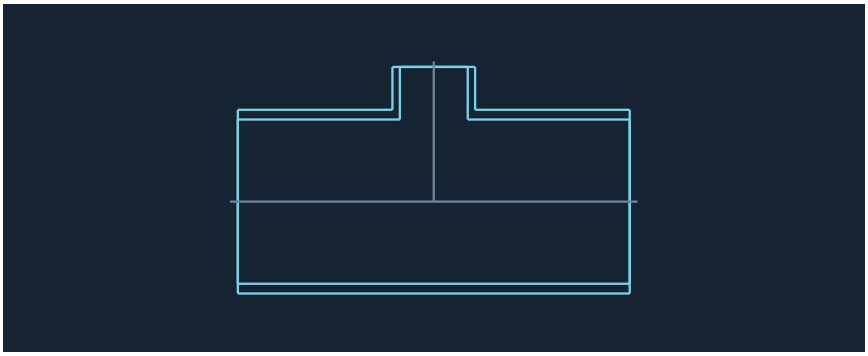
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

20/64

1,018 catalog variants / entries 305-320. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
119008290	14 x 10	Schedule 60	356	273	15.09	12.7	279	257	136
132859471	14 x 10	Schedule 80	356	273	19.05	15.09	279	257	141
175758180	14 x 10	Schedule 100	356	273	23.83	18.26	279	257	195
20615775	14 x 10	Schedule 120	356	273	27.79	21.44	279	257	230
268039997	14 x 10	Schedule 140	356	273	31.75	25.4	279	257	265
20352194	14 x 10	Schedule 160	356	273	35.71	28.57	279	257	285
182843306	14 x 12	Schedule 20	356	324	7.92	6.35	279	270	95
40708960	14 x 12	Schedule 30	356	324	9.52	8.38	279	270	103
152414248	14 x 12	STD	356	324	9.52	9.52	279	270	111
182619211	14 x 12	Schedule 40	356	324	11.12	10.31	279	270	114
70417625	14 x 12	XS	356	324	12.7	12.7	279	270	127
98508311	14 x 12	Schedule 60	356	324	15.09	14.27	279	270	141
171705123	14 x 12	Schedule 80	356	324	19.05	17.48	279	270	143
83577606	14 x 12	Schedule 100	356	324	23.83	21.44	279	270	206
221592592	14 x 12	Schedule 120	356	324	27.79	25.4	279	270	235
6117657	14 x 12	Schedule 140	356	324	31.75	28.57	279	270	275

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

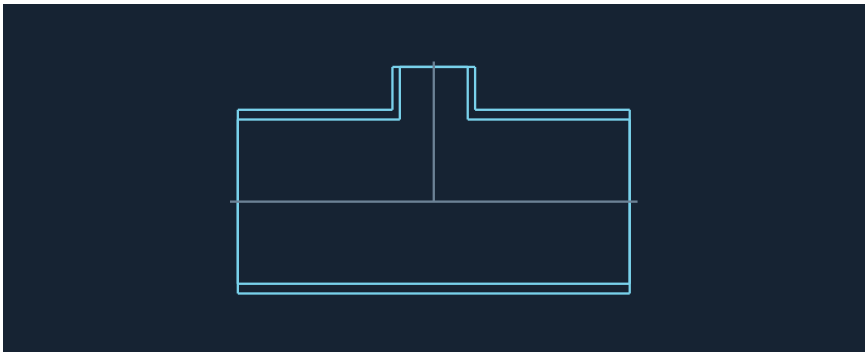
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

21/64

1,018 catalog variants / entries 321-336. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
47519656	14 x 12	Schedule 160	356	324	35.71	33.32	279	270	300
226263824	16 x 6	STD	406	168	9.52	7.11	305	264	116
110208478	16 x 6	Schedule 40	406	168	12.7	7.11	305	264	160
27758371	16 x 6	XS	406	168	12.7	10.97	305	264	160
136586556	16 x 6	Schedule 80	406	168	21.44	10.97	305	264	163
134944	16 x 6	Schedule 120	406	168	30.96	14.27	305	264	250
7905537	16 x 6	Schedule 160	406	168	40.49	18.26	305	264	295
32224885	16 x 8	Schedule 20	406	219	7.92	6.35	305	273	98
203521548	16 x 8	Schedule 30	406	219	9.52	7.03	305	273	107
8904087	16 x 8	STD	406	219	9.52	8.18	305	273	116
18183405	16 x 8	Schedule 40	406	219	12.7	8.18	305	273	160
201102755	16 x 8	XS	406	219	12.7	12.7	305	273	160
79006607	16 x 8	Schedule 60	406	219	16.66	10.31	305	273	161
23401852	16 x 8	Schedule 80	406	219	21.44	12.7	305	273	163
129491261	16 x 8	Schedule 100	406	219	26.19	15.09	305	273	210
138757090	16 x 8	Schedule 120	406	219	30.96	18.26	305	273	280

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

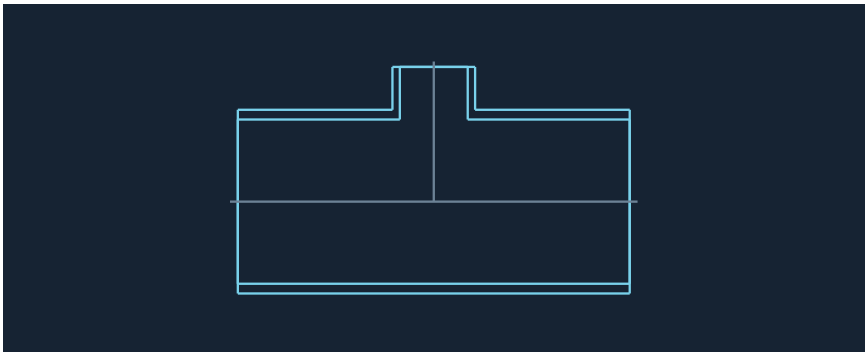
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

22/64

1,018 catalog variants / entries 337-352. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
229210913	16 x 8	Schedule 140	406	219	36.53	20.62	305	273	295
195614737	16 x 8	Schedule 160	406	219	40.49	23.01	305	273	295
7732912	16 x 10	Schedule 20	406	273	7.92	6.35	305	283	98
145983606	16 x 10	Schedule 30	406	273	9.52	7.8	305	283	107
37400283	16 x 10	STD	406	273	9.52	9.27	305	283	116
18375041	16 x 10	Schedule 40	406	273	12.7	9.27	305	283	160
262890151	16 x 10	XS	406	273	12.7	12.7	305	283	160
96436932	16 x 10	Schedule 60	406	273	16.66	12.7	305	283	163
121595578	16 x 10	Schedule 80	406	273	21.44	15.09	305	283	163
119935352	16 x 10	Schedule 100	406	273	26.19	18.26	305	283	210
257485327	16 x 10	Schedule 120	406	273	30.96	21.44	305	283	295
174240042	16 x 10	Schedule 140	406	273	36.53	25.4	305	283	310
140923698	16 x 10	Schedule 160	406	273	40.49	28.57	305	283	360
42267965	16 x 12	Schedule 20	406	324	7.92	6.35	305	295	100
209056801	16 x 12	Schedule 30	406	324	9.52	8.38	305	295	110
136747179	16 x 12	STD	406	324	9.52	9.52	305	295	119

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

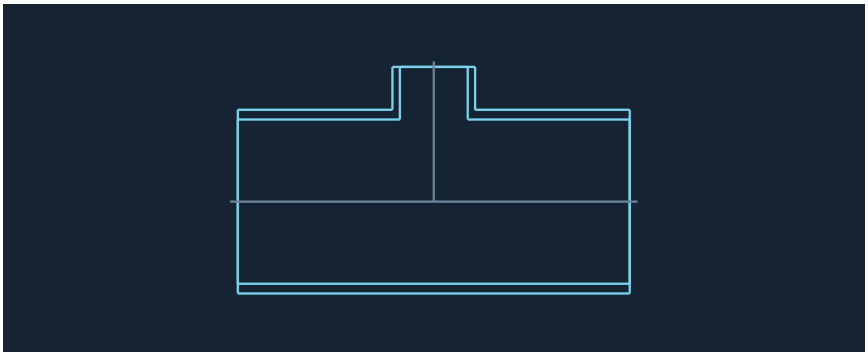
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

23/64

1,018 catalog variants / entries 353-368. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
204381226	16 x 12	Schedule 40	406	324	12.7	10.31	305	295	161
16971069	16 x 12	XS	406	324	12.7	12.7	305	295	167
2810597	16 x 12	Schedule 60	406	324	16.66	14.27	305	295	181
179316135	16 x 12	Schedule 80	406	324	21.44	17.48	305	295	181
184404747	16 x 12	Schedule 100	406	324	26.19	21.44	305	295	250
144598672	16 x 12	Schedule 120	406	324	30.96	25.4	305	295	310
188257490	16 x 12	Schedule 140	406	324	36.53	28.57	305	295	340
252792160	16 x 12	Schedule 160	406	324	40.49	33.32	305	295	385
235975545	16 x 14	Schedule 10	406	356	6.35	6.35	305	305	84
54946269	16 x 14	Schedule 20	406	356	7.92	7.92	305	305	100
73422620	16 x 14	STD	406	356	9.52	9.52	305	305	119
32388346	16 x 14	Schedule 30	406	356	9.52	9.52	305	305	119
194033612	16 x 14	Schedule 40	406	356	12.7	11.12	305	305	167
176460159	16 x 14	XS	406	356	12.7	12.7	305	305	167
235664662	16 x 14	Schedule 60	406	356	16.66	15.09	305	305	208
118971458	16 x 14	Schedule 80	406	356	21.44	19.05	305	305	200

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

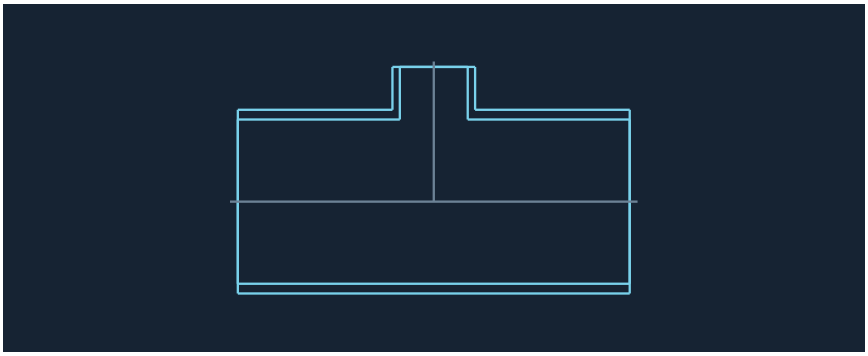
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

24/64

1,018 catalog variants / entries 369-384. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
64774523	16 x 14	Schedule 100	406	356	26.19	23.83	305	305	260
125771227	16 x 14	Schedule 120	406	356	30.96	27.79	305	305	320
62052219	16 x 14	Schedule 140	406	356	36.53	31.75	305	305	360
177320688	16 x 14	Schedule 160	406	356	40.49	35.71	305	305	410
32908226	18 x 8	Schedule 20	457	219	7.92	6.35	343	298	123
252166354	18 x 8	STD	457	219	9.52	8.18	343	298	129
38532190	18 x 8	Schedule 30	457	219	11.12	7.03	343	298	140
161133535	18 x 8	XS	457	219	12.7	12.7	343	298	154
102162887	18 x 8	Schedule 40	457	219	14.27	8.18	343	298	150
266990381	18 x 8	Schedule 60	457	219	19.05	10.31	343	298	188
154218715	18 x 8	Schedule 80	457	219	23.83	12.7	343	298	205
109873717	18 x 8	Schedule 100	457	219	29.36	15.09	343	298	310
117843003	18 x 8	Schedule 120	457	219	34.93	18.26	343	298	360
98267878	18 x 8	Schedule 140	457	219	39.67	20.62	343	298	360
115877948	18 x 8	Schedule 160	457	219	45.24	23.01	343	298	455
30907314	18 x 10	Schedule 20	457	273	7.92	6.35	343	308	123

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

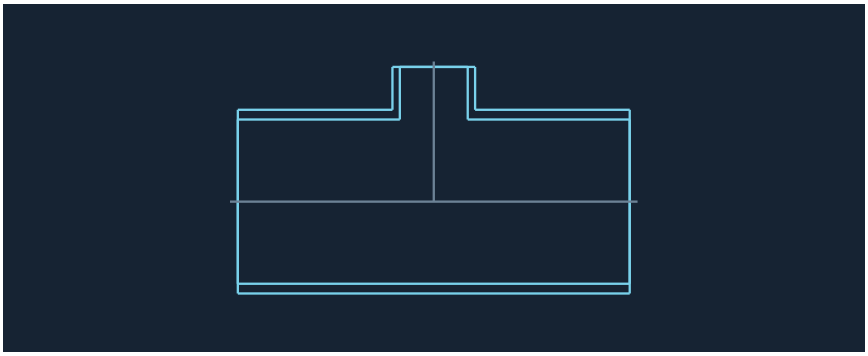
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

25/64

1,018 catalog variants / entries 385-400. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
157527185	18 x 10	STD	457	273	9.52	9.27	343	308	129
104964281	18 x 10	Schedule 30	457	273	11.12	7.8	343	308	140
26273506	18 x 10	XS	457	273	12.7	12.7	343	308	164
220231874	18 x 10	Schedule 40	457	273	14.27	9.27	343	308	150
243222472	18 x 10	Schedule 60	457	273	19.05	12.7	343	308	188
182864648	18 x 10	Schedule 80	457	273	23.83	15.09	343	308	225
194747169	18 x 10	Schedule 100	457	273	29.36	18.26	343	308	325
15277138	18 x 10	Schedule 120	457	273	34.93	21.44	343	308	385
152156844	18 x 10	Schedule 140	457	273	39.67	25.4	343	308	385
218692493	18 x 10	Schedule 160	457	273	45.24	28.57	343	308	475
258842155	18 x 12	Schedule 20	457	324	7.92	6.35	343	321	127
222881392	18 x 12	STD	457	324	9.52	9.52	343	321	135
219004795	18 x 12	Schedule 30	457	324	11.12	8.38	343	321	154
140239948	18 x 12	XS	457	324	12.7	12.7	343	321	164
60176391	18 x 12	Schedule 40	457	324	14.27	10.31	343	321	194
62124995	18 x 12	Schedule 60	457	324	19.05	14.27	343	321	212

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

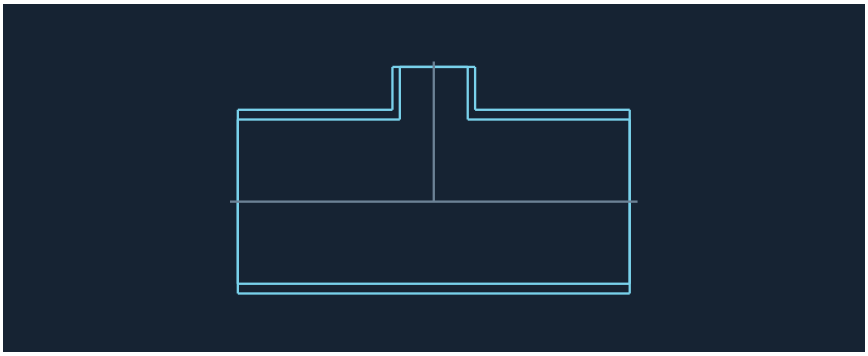
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

26/64

1,018 catalog variants / entries 401-416. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
164412052	18 x 12	Schedule 80	457	324	23.83	17.48	343	321	234
69169200	18 x 12	Schedule 100	457	324	29.36	21.44	343	321	325
91720913	18 x 12	Schedule 120	457	324	34.93	25.4	343	321	410
256631443	18 x 12	Schedule 140	457	324	39.67	28.57	343	321	410
265821082	18 x 12	Schedule 160	457	324	45.24	33.32	343	321	500
260780332	18 x 14	Schedule 10	457	356	6.35	6.35	343	330	105
62833296	18 x 14	Schedule 20	457	356	7.92	7.92	343	330	127
111084847	18 x 14	STD	457	356	9.52	9.52	343	330	135
261044411	18 x 14	Schedule 30	457	356	11.12	9.52	343	330	164
82972248	18 x 14	XS	457	356	12.7	12.7	343	330	190
196986043	18 x 14	Schedule 40	457	356	14.27	11.12	343	330	194
214973081	18 x 14	Schedule 60	457	356	19.05	15.09	343	330	212
156122638	18 x 14	Schedule 80	457	356	23.83	19.05	343	330	258
153234564	18 x 14	Schedule 100	457	356	29.36	23.83	343	330	370
187240755	18 x 14	Schedule 120	457	356	34.93	27.79	343	330	420
250903398	18 x 14	Schedule 140	457	356	39.67	31.75	343	330	455

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

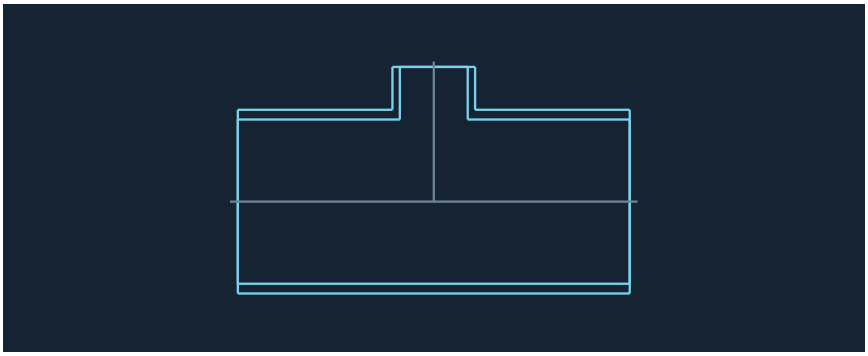
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

27/64

1,018 catalog variants / entries 417-432. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
65779418	18 x 14	Schedule 160	457	356	45.24	35.71	343	330	520
212389422	18 x 16	Schedule 10	457	406	6.35	6.35	343	330	105
241162130	18 x 16	Schedule 20	457	406	7.92	7.92	343	330	127
158605794	18 x 16	STD	457	406	9.52	9.52	343	330	135
185793501	18 x 16	Schedule 30	457	406	11.12	9.52	343	330	164
217316102	18 x 16	XS	457	406	12.7	12.7	343	330	190
49370434	18 x 16	Schedule 40	457	406	14.27	12.7	343	330	238
191524307	18 x 16	Schedule 60	457	406	19.05	16.66	343	330	257
36955083	18 x 16	Schedule 80	457	406	23.83	21.44	343	330	279
97342971	18 x 16	Schedule 100	457	406	29.36	26.19	343	330	380
251459910	18 x 16	Schedule 120	457	406	34.93	30.96	343	330	440
213403026	18 x 16	Schedule 140	457	406	39.67	36.53	343	330	475
145101494	18 x 16	Schedule 160	457	406	45.24	40.49	343	330	550
160873360	20 x 8	Schedule 20	508	219	9.52	6.35	381	324	164
71862671	20 x 8	STD	508	219	9.52	8.18	381	324	163
182863359	20 x 8	Schedule 30	508	219	12.7	7.03	381	324	214

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

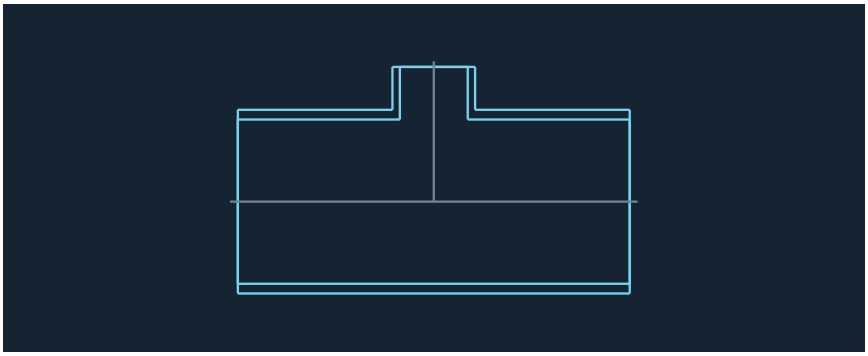
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

28/64

1,018 catalog variants / entries 433-448. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
145945029	20 x 8	XS	508	219	12.7	12.7	381	324	214
89869059	20 x 8	Schedule 40	508	219	15.09	8.18	381	324	220
56779680	20 x 8	Schedule 60	508	219	20.62	10.31	381	324	224
204845364	20 x 8	Schedule 80	508	219	26.18	12.7	381	324	228
237954318	20 x 8	Schedule 100	508	219	32.54	15.09	381	324	390
188807751	20 x 8	Schedule 120	508	219	38.1	18.26	381	324	430
184147012	20 x 8	Schedule 140	508	219	44.45	20.62	381	324	450
134454306	20 x 8	Schedule 160	508	219	50.01	23.01	381	324	660
215539647	20 x 10	Schedule 20	508	273	9.52	6.35	381	333	164
53483014	20 x 10	STD	508	273	9.52	9.27	381	333	163
124077950	20 x 10	Schedule 30	508	273	12.7	7.8	381	333	214
251240429	20 x 10	XS	508	273	12.7	12.7	381	333	214
91521032	20 x 10	Schedule 40	508	273	15.09	9.27	381	333	220
193064290	20 x 10	Schedule 60	508	273	20.62	12.7	381	333	286
168397693	20 x 10	Schedule 80	508	273	26.18	15.09	381	333	293
846033	20 x 10	Schedule 100	508	273	32.54	18.26	381	333	420

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

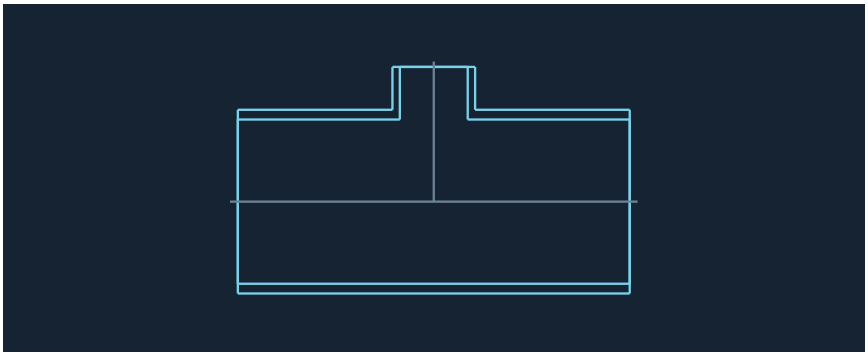
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

29/64

1,018 catalog variants / entries 449-464. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
200211520	20 x 10	Schedule 120	508	273	38.1	21.44	381	333	475
60877244	20 x 10	Schedule 140	508	273	44.45	25.4	381	333	500
37793520	20 x 10	Schedule 160	508	273	50.01	28.57	381	333	680
206680825	20 x 12	Schedule 20	508	324	9.52	6.35	381	346	164
102538087	20 x 12	STD	508	324	9.52	9.52	381	346	163
33378743	20 x 12	Schedule 30	508	324	12.7	8.38	381	346	214
152387260	20 x 12	XS	508	324	12.7	12.7	381	346	214
85679237	20 x 12	Schedule 40	508	324	15.09	10.31	381	346	224
99144875	20 x 12	Schedule 60	508	324	20.62	14.27	381	346	293
20568001	20 x 12	Schedule 80	508	324	26.18	17.48	381	346	324
148470268	20 x 12	Schedule 100	508	324	32.54	21.44	381	346	450
234262226	20 x 12	Schedule 120	508	324	38.1	25.4	381	346	500
263642430	20 x 12	Schedule 140	508	324	44.45	28.57	381	346	540
60741208	20 x 12	Schedule 160	508	324	50.01	33.32	381	346	700
163086433	20 x 14	Schedule 10	508	356	6.35	6.35	381	356	110
19398816	20 x 14	Schedule 20	508	356	9.52	7.92	381	356	164

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

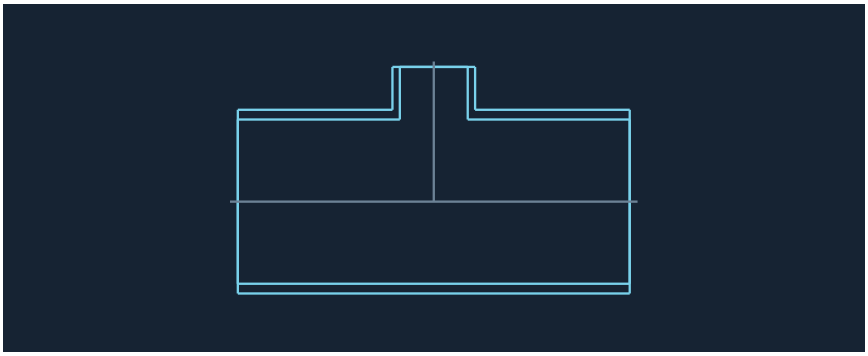
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

30/64

1,018 catalog variants / entries 465-480. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
90643699	20 x 14	STD	508	356	9.52	9.52	381	356	163
4507614	20 x 14	Schedule 30	508	356	12.7	9.52	381	356	214
153725597	20 x 14	XS	508	356	12.7	12.7	381	356	214
22214887	20 x 14	Schedule 40	508	356	15.09	11.12	381	356	224
12031075	20 x 14	Schedule 60	508	356	20.62	15.09	381	356	293
209452099	20 x 14	Schedule 80	508	356	26.18	19.05	381	356	324
125834987	20 x 14	Schedule 100	508	356	32.54	23.83	381	356	470
53470091	20 x 14	Schedule 120	508	356	38.1	27.79	381	356	530
194556766	20 x 14	Schedule 140	508	356	44.45	31.75	381	356	590
120088454	20 x 14	Schedule 160	508	356	50.01	35.71	381	356	725
122129175	20 x 16	Schedule 10	508	406	6.35	6.35	381	356	112
4450692	20 x 16	Schedule 20	508	406	9.52	7.92	381	356	168
199720804	20 x 16	STD	508	406	9.52	9.52	381	356	168
50873822	20 x 16	Schedule 30	508	406	12.7	9.52	381	356	218
205226991	20 x 16	XS	508	406	12.7	12.7	381	356	218
4682229	20 x 16	Schedule 40	508	406	15.09	12.7	381	356	230

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

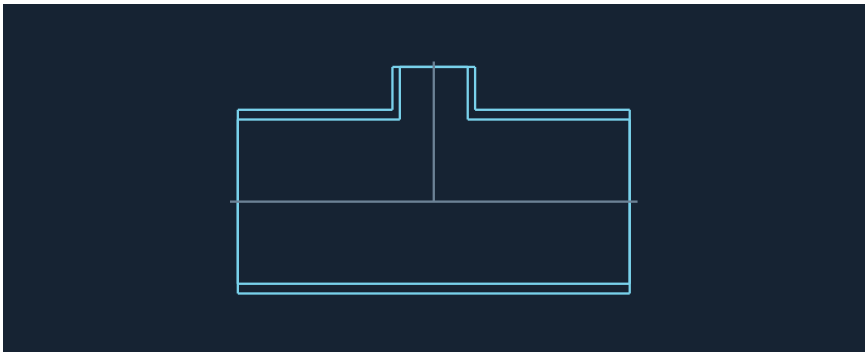
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

31/64

1,018 catalog variants / entries 481-496. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
33909051	20 x 16	Schedule 60	508	406	20.62	16.66	381	356	324
226677948	20 x 16	Schedule 80	508	406	26.18	21.44	381	356	355
23228869	20 x 16	Schedule 100	508	406	32.54	26.19	381	356	470
126358967	20 x 16	Schedule 120	508	406	38.1	30.96	381	356	550
25304381	20 x 16	Schedule 140	508	406	44.45	36.53	381	356	630
171879328	20 x 16	Schedule 160	508	406	50.01	40.49	381	356	750
99342244	20 x 18	Schedule 10	508	457	6.35	6.35	381	368	112
222120330	20 x 18	Schedule 20	508	457	9.52	7.92	381	368	168
137398419	20 x 18	STD	508	457	9.52	9.52	381	368	168
9332202	20 x 18	Schedule 30	508	457	12.7	11.12	381	368	218
250978251	20 x 18	XS	508	457	12.7	12.7	381	368	218
88761717	20 x 18	Schedule 40	508	457	15.09	14.27	381	368	265
213292848	20 x 18	Schedule 60	508	457	20.62	19.05	381	368	351
205295567	20 x 18	Schedule 80	508	457	26.18	23.83	381	368	410
13949294	20 x 18	Schedule 100	508	457	32.54	29.36	381	368	540
142639261	20 x 18	Schedule 120	508	457	38.1	34.93	381	368	570

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

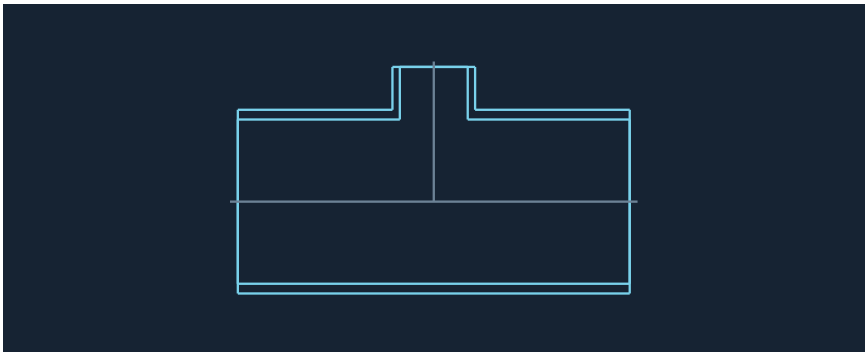
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

32/64

1,018 catalog variants / entries 497-512. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
153375879	20 x 18	Schedule 140	508	457	44.45	39.67	381	368	680
249011655	20 x 18	Schedule 160	508	457	50.01	45.24	381	368	770
61902421	22 x 10	Schedule 20	559	273	9.52	6.35	419	359	173
190883891	22 x 10	STD	559	273	9.52	9.27	419	359	172
57827663	22 x 10	Schedule 30	559	273	12.7	7.8	419	359	245
111066825	22 x 10	XS	559	273	12.7	12.7	419	359	245
135723164	22 x 10	Schedule 60	559	273	22.22	12.7	419	359	337
225367709	22 x 10	Schedule 80	559	273	28.58	15.09	419	359	374
167756196	22 x 10	Schedule 100	559	273	34.92	18.26	419	359	525
187135962	22 x 10	Schedule 120	559	273	41.27	21.44	419	359	695
262660651	22 x 10	Schedule 140	559	273	47.62	25.4	419	359	725
56640874	22 x 10	Schedule 160	559	273	53.97	28.57	419	359	860
29763687	22 x 12	Schedule 20	559	324	9.52	6.35	419	371	173
145272110	22 x 12	STD	559	324	9.52	9.52	419	371	172
55606271	22 x 12	Schedule 30	559	324	12.7	8.38	419	371	245
175047360	22 x 12	XS	559	324	12.7	12.7	419	371	245

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

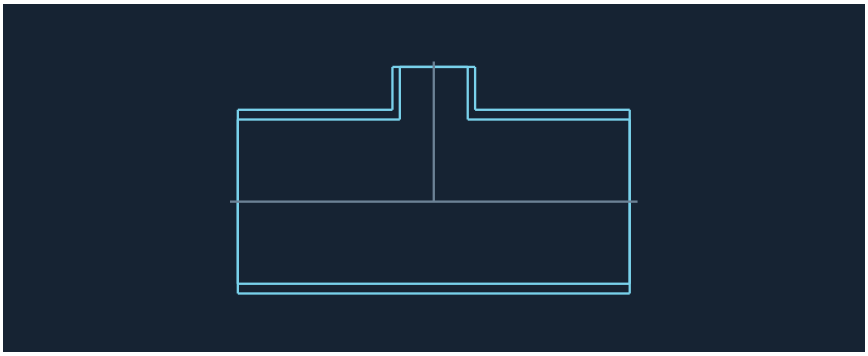
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

33/64

1,018 catalog variants / entries 513-528. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
72112528	22 x 12	Schedule 60	559	324	22.22	14.27	419	371	337
133483849	22 x 12	Schedule 80	559	324	28.58	17.48	419	371	374
78771371	22 x 12	Schedule 100	559	324	34.92	21.44	419	371	525
188077420	22 x 12	Schedule 120	559	324	41.27	25.4	419	371	695
206988483	22 x 12	Schedule 140	559	324	47.62	28.57	419	371	725
159811507	22 x 12	Schedule 160	559	324	53.97	33.32	419	371	860
124192514	22 x 14	Schedule 10	559	356	6.35	6.35	419	381	160
164251378	22 x 14	Schedule 20	559	356	9.52	7.92	419	381	173
263791097	22 x 14	STD	559	356	9.52	9.52	419	381	172
142177742	22 x 14	Schedule 30	559	356	12.7	9.52	419	381	245
218788901	22 x 14	XS	559	356	12.7	12.7	419	381	245
73490934	22 x 14	Schedule 60	559	356	22.22	15.09	419	381	337
264333415	22 x 14	Schedule 80	559	356	28.58	19.05	419	381	374
152718297	22 x 14	Schedule 100	559	356	34.92	23.83	419	381	525
151309950	22 x 14	Schedule 120	559	356	41.27	27.79	419	381	695
143768612	22 x 14	Schedule 140	559	356	47.62	31.75	419	381	725

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

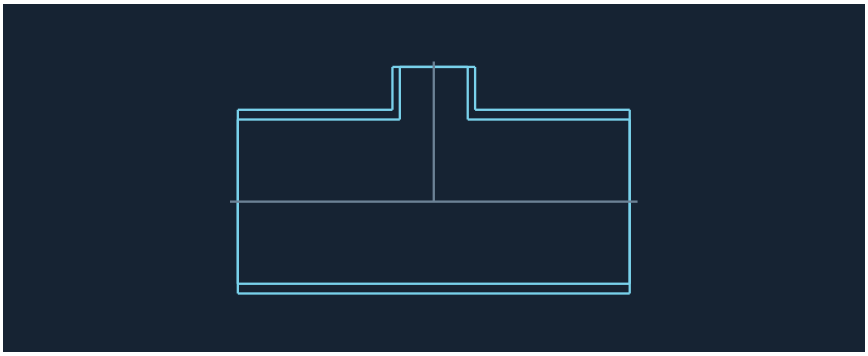
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

34/64

1,018 catalog variants / entries 529-544. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
70591679	22 x 14	Schedule 160	559	356	53.97	35.71	419	381	860
212971447	22 x 16	Schedule 10	559	400	6.35	6.35	419	381	190
154629961	22 x 16	Schedule 20	559	400	9.52	7.92	419	381	209
187305306	22 x 16	STD	559	400	9.52	9.52	419	381	209
94244134	22 x 16	Schedule 30	559	400	12.7	9.52	419	381	260
10535523	22 x 16	XS	559	400	12.7	12.7	419	381	260
45426863	22 x 16	Schedule 60	559	400	22.22	16.66	419	381	390
34133978	22 x 16	Schedule 80	559	400	28.58	21.44	419	381	415
26098177	22 x 16	Schedule 100	559	400	34.92	26.19	419	381	642
222475554	22 x 16	Schedule 120	559	400	41.27	30.96	419	381	780
2086282	22 x 16	Schedule 140	559	400	47.62	36.53	419	381	840
79333958	22 x 16	Schedule 160	559	400	53.97	40.49	419	381	965
92176438	22 x 18	Schedule 10	559	457	6.35	6.35	419	394	190
142908268	22 x 18	Schedule 20	559	457	9.52	7.92	419	394	209
163045404	22 x 18	STD	559	457	9.52	9.52	419	394	209
201516092	22 x 18	Schedule 30	559	457	12.7	11.12	419	394	260

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

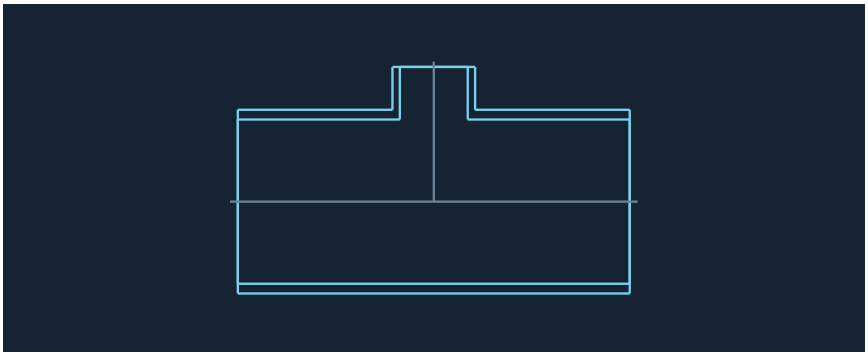
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

35/64

1,018 catalog variants / entries 545-560. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
33907768	22 x 18	XS	559	457	12.7	12.7	419	394	260
233800715	22 x 18	Schedule 60	559	457	22.22	19.05	419	394	390
53333898	22 x 18	Schedule 80	559	457	28.58	23.83	419	394	415
115200299	22 x 18	Schedule 100	559	457	34.92	29.36	419	394	642
45533733	22 x 18	Schedule 120	559	457	41.27	34.93	419	394	780
215508926	22 x 18	Schedule 140	559	457	47.62	39.67	419	394	840
232975083	22 x 18	Schedule 160	559	457	53.97	45.24	419	394	965
99267566	22 x 20	Schedule 10	559	508	6.35	6.35	419	406	210
254797021	22 x 20	STD	559	508	9.52	9.52	419	406	220
30317671	22 x 20	Schedule 20	559	508	9.52	9.52	419	406	220
10045128	22 x 20	Schedule 30	559	508	12.7	12.7	419	406	280
12701887	22 x 20	XS	559	508	12.7	12.7	419	406	280
205750732	22 x 20	Schedule 60	559	508	22.22	20.62	419	406	445
74237977	22 x 20	Schedule 80	559	508	28.58	26.18	419	406	513
109715830	22 x 20	Schedule 100	559	508	34.92	32.54	419	406	725
2244667	22 x 20	Schedule 120	559	508	41.27	38.1	419	406	820

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

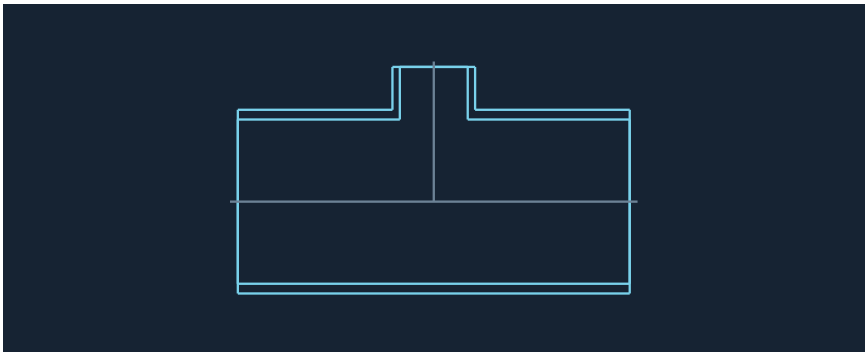
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

36/64

1,018 catalog variants / entries 561-576. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
22496920	22 x 20	Schedule 140	559	508	47.62	44.45	419	406	910
136754413	22 x 20	Schedule 160	559	508	53.97	50.01	419	406	1020
152143330	24 x 10	Schedule 20	610	273	9.52	6.35	432	384	204
43404461	24 x 10	STD	610	273	9.52	9.27	432	384	204
182911672	24 x 10	XS	610	273	12.7	12.7	432	384	300
96947089	24 x 10	Schedule 30	610	273	14.27	7.8	432	384	320
15486361	24 x 10	Schedule 40	610	273	17.48	9.27	432	384	308
96503261	24 x 10	Schedule 60	610	273	24.61	12.7	432	384	389
21671680	24 x 10	Schedule 80	610	273	30.96	15.09	432	384	452
11173382	24 x 10	Schedule 100	610	273	38.89	18.26	432	384	635
250234144	24 x 10	Schedule 120	610	273	46.02	21.44	432	384	920
239919547	24 x 10	Schedule 140	610	273	52.37	25.4	432	384	950
216119487	24 x 10	Schedule 160	610	273	59.54	28.57	432	384	1040
64026075	24 x 12	Schedule 20	610	324	9.52	6.35	432	397	218
37300631	24 x 12	STD	610	324	9.52	9.52	432	397	218
3391737	24 x 12	XS	610	324	12.7	12.7	432	397	300

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

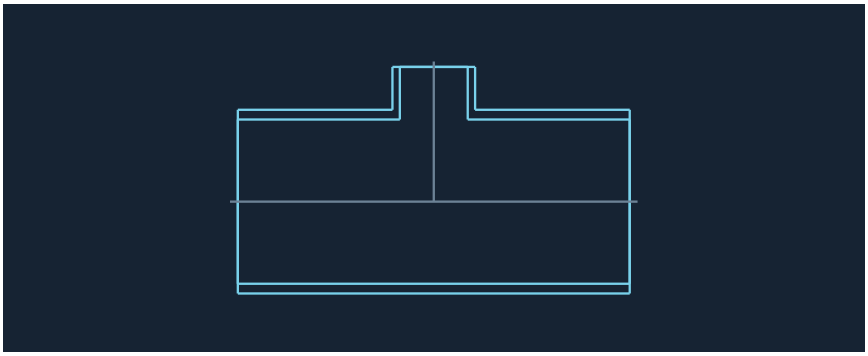
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

37/64

1,018 catalog variants / entries 577-592. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
237304260	24 x 12	Schedule 30	610	324	14.27	8.38	432	397	320
155941285	24 x 12	Schedule 40	610	324	17.48	10.31	432	397	308
109677358	24 x 12	Schedule 60	610	324	24.61	14.27	432	397	389
129467198	24 x 12	Schedule 80	610	324	30.96	17.48	432	397	452
84915437	24 x 12	Schedule 100	610	324	38.89	21.44	432	397	770
121721417	24 x 12	Schedule 120	610	324	46.02	25.4	432	397	950
109293441	24 x 12	Schedule 140	610	324	52.37	28.57	432	397	980
91997286	24 x 12	Schedule 160	610	324	59.54	33.32	432	397	1090
179239121	24 x 14	Schedule 10	610	356	6.35	6.35	432	406	150
167357925	24 x 14	Schedule 20	610	356	9.52	7.92	432	406	222
110708294	24 x 14	STD	610	356	9.52	9.52	432	406	222
84862591	24 x 14	XS	610	356	12.7	12.7	432	406	300
183173442	24 x 14	Schedule 30	610	356	14.27	9.52	432	406	320
242270914	24 x 14	Schedule 40	610	356	17.48	11.13	432	406	309
202848471	24 x 14	Schedule 60	610	356	24.61	15.09	432	406	427
114659213	24 x 14	Schedule 80	610	356	30.96	19.05	432	406	490

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

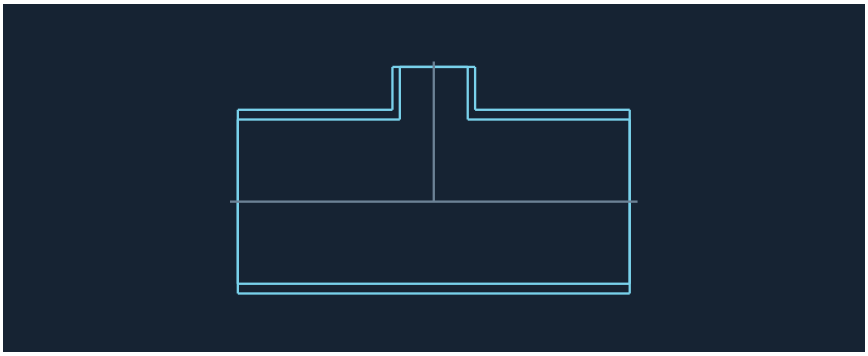
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

38/64

1,018 catalog variants / entries 593-608. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
100906728	24 x 14	Schedule 100	610	356	38.89	23.83	432	406	770
116489170	24 x 14	Schedule 120	610	356	46.02	27.79	432	406	1000
178625365	24 x 14	Schedule 140	610	356	52.37	31.75	432	406	1050
243662057	24 x 14	Schedule 160	610	356	59.54	35.71	432	406	1140
68974240	24 x 16	Schedule 10	610	406	6.35	6.35	432	406	150
213312654	24 x 16	Schedule 20	610	406	9.52	7.92	432	406	222
183950198	24 x 16	STD	610	406	9.52	9.52	432	406	222
34180307	24 x 16	XS	610	406	12.7	12.7	432	406	320
199136170	24 x 16	Schedule 30	610	406	14.27	9.52	432	406	340
188233856	24 x 16	Schedule 40	610	406	17.48	12.7	432	406	309
55332172	24 x 16	Schedule 60	610	406	24.61	16.66	432	406	427
208300258	24 x 16	Schedule 80	610	406	30.96	21.44	432	406	490
145319767	24 x 16	Schedule 100	610	406	38.89	26.19	432	406	815
101554664	24 x 16	Schedule 120	610	406	46.02	30.96	432	406	1010
230800487	24 x 16	Schedule 140	610	406	52.37	36.53	432	406	1040
20467589	24 x 16	Schedule 160	610	406	59.54	40.49	432	406	1180

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

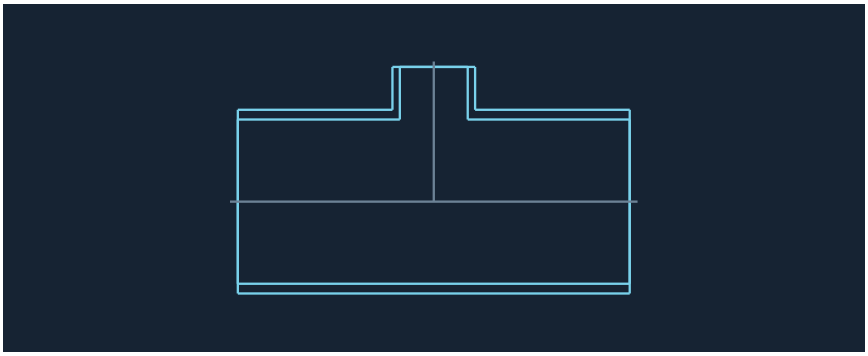
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

39/64

1,018 catalog variants / entries 609-624. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
211236499	24 x 18	Schedule 10	610	457	6.35	6.35	432	419	151
265044751	24 x 18	Schedule 20	610	457	9.52	7.92	432	419	227
30155172	24 x 18	STD	610	457	9.52	9.52	432	419	227
2988562	24 x 18	XS	610	457	12.7	12.7	432	419	320
199270052	24 x 18	Schedule 30	610	457	14.27	11.12	432	419	340
258459164	24 x 18	Schedule 40	610	457	17.48	14.27	432	419	390
154479223	24 x 18	Schedule 60	610	457	24.61	19.05	432	419	472
47079451	24 x 18	Schedule 80	610	457	30.96	23.83	432	419	533
129109375	24 x 18	Schedule 100	610	457	38.89	29.36	432	419	815
254513887	24 x 18	Schedule 120	610	457	46.02	34.93	432	419	1040
62320205	24 x 18	Schedule 140	610	457	52.37	39.67	432	419	1090
262900074	24 x 18	Schedule 160	610	457	59.54	45.24	432	419	1210
119190367	24 x 20	Schedule 10	610	508	6.35	6.35	432	432	151
25989190	24 x 20	STD	610	508	9.52	9.52	432	432	227
243114503	24 x 20	Schedule 20	610	508	9.52	9.52	432	432	227
117745370	24 x 20	XS	610	508	12.7	12.7	432	432	350

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

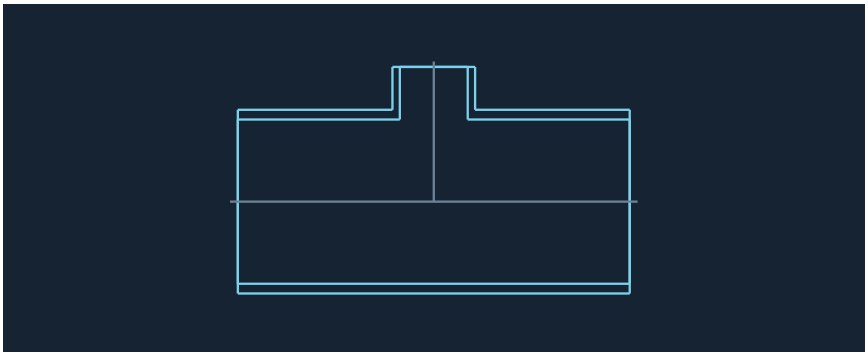
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

40/64

1,018 catalog variants / entries 625-640. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
259317959	24 x 20	Schedule 30	610	508	14.27	12.7	432	432	373
34763657	24 x 20	Schedule 40	610	508	17.48	15.09	432	432	390
94505079	24 x 20	Schedule 60	610	508	24.61	20.62	432	432	545
59030508	24 x 20	Schedule 80	610	508	30.96	26.19	432	432	606
168754980	24 x 20	Schedule 100	610	508	38.89	33.54	432	432	910
109613150	24 x 20	Schedule 120	610	508	46.02	38.1	432	432	1060
188975085	24 x 20	Schedule 140	610	508	52.37	44.45	432	432	1140
73669269	24 x 20	Schedule 160	610	508	59.54	50.01	432	432	1270
111731214	24 x 22	Schedule 10	610	559	6.35	6.35	432	432	151
110522232	24 x 22	STD	610	559	9.52	9.52	432	432	227
83185492	24 x 22	Schedule 20	610	559	9.52	9.52	432	432	227
124226838	24 x 22	XS	610	559	12.7	12.7	432	432	350
118050340	24 x 22	Schedule 30	610	559	14.27	12.7	432	432	373
42439696	24 x 22	Schedule 60	610	559	24.61	22.22	432	432	595
86949248	24 x 22	Schedule 80	610	559	30.96	28.58	432	432	675
154693808	24 x 22	Schedule 100	610	559	38.89	34.92	432	432	910

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

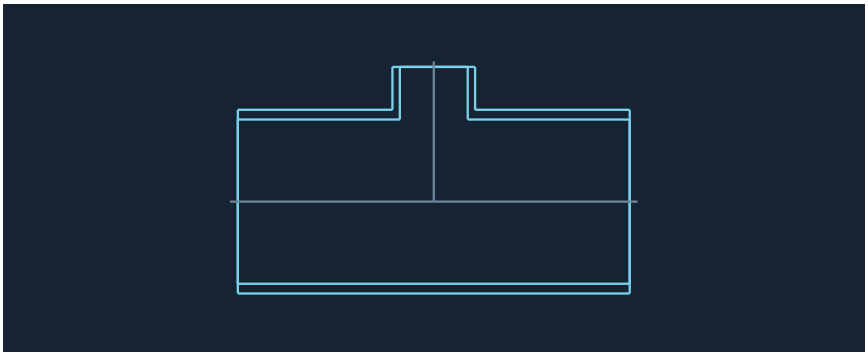
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

41/64

1,018 catalog variants / entries 641-656. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
80949648	24 x 22	Schedule 120	610	559	46.02	41.27	432	432	1080
232535818	24 x 22	Schedule 140	610	559	52.37	47.62	432	432	1160
227354581	24 x 22	Schedule 160	610	559	59.54	53.97	432	432	1290
74956247	26 x 12	STD	660	324	9.52	9.52	495	422	231
206424621	26 x 12	Schedule 20	660	324	12.7	6.35	495	422	293
68542653	26 x 12	XS	660	324	12.7	12.7	495	422	293
17764082	26 x 14	Schedule 10	660	356	7.92	6.35	495	432	199
99354915	26 x 14	STD	660	356	9.52	9.52	495	432	239
265384339	26 x 14	Schedule 20	660	356	12.7	7.92	495	432	300
66325912	26 x 14	XS	660	356	12.7	12.7	495	432	300
261202170	26 x 16	Schedule 10	660	406	7.92	6.35	495	432	205
166986337	26 x 16	STD	660	406	9.52	9.52	495	432	247
185992766	26 x 16	Schedule 20	660	406	12.7	7.92	495	432	309
10758632	26 x 16	XS	660	406	12.7	12.7	495	432	309
189143755	26 x 18	Schedule 10	660	457	7.92	6.35	495	444	212
62159015	26 x 18	STD	660	457	9.52	9.52	495	444	255

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

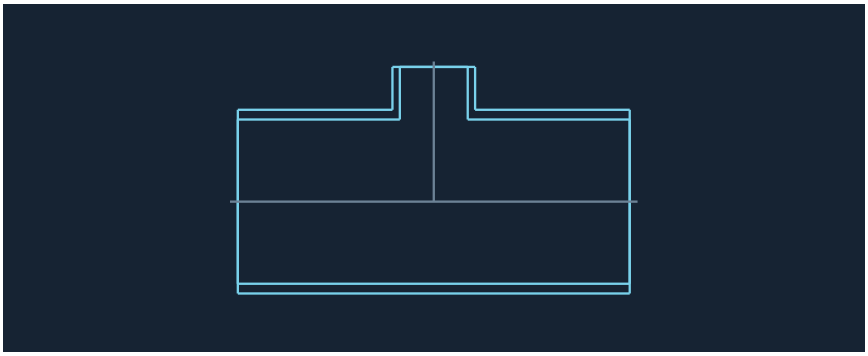
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

42/64

1,018 catalog variants / entries 657-672. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
16430658	26 x 18	Schedule 20	660	457	12.7	7.92	495	444	320
236415425	26 x 18	XS	660	457	12.7	12.7	495	444	323
32808696	26 x 20	Schedule 10	660	508	7.92	6.35	495	457	219
97027944	26 x 20	STD	660	508	9.52	9.52	495	457	264
141784925	26 x 20	Schedule 20	660	508	12.7	9.52	495	457	330
718761	26 x 20	XS	660	508	12.7	12.7	495	457	330
220107439	26 x 22	Schedule 10	660	559	7.92	6.35	495	470	234
111892217	26 x 22	STD	660	559	9.52	9.52	495	470	272
40980726	26 x 22	Schedule 20	660	559	12.7	9.52	495	470	340
203320323	26 x 22	XS	660	559	12.7	12.7	495	470	340
15979033	26 x 24	Schedule 10	660	610	7.92	6.35	495	483	234
28472462	26 x 24	STD	660	610	9.52	9.52	495	483	280
45843095	26 x 24	Schedule 20	660	610	12.7	9.52	495	483	350
155747613	26 x 24	XS	660	610	12.7	12.7	495	483	350
115449168	28 x 12	STD	711	324	9.52	9.52	521	448	--
133573522	28 x 12	Schedule 20	711	324	12.7	6.35	521	448	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

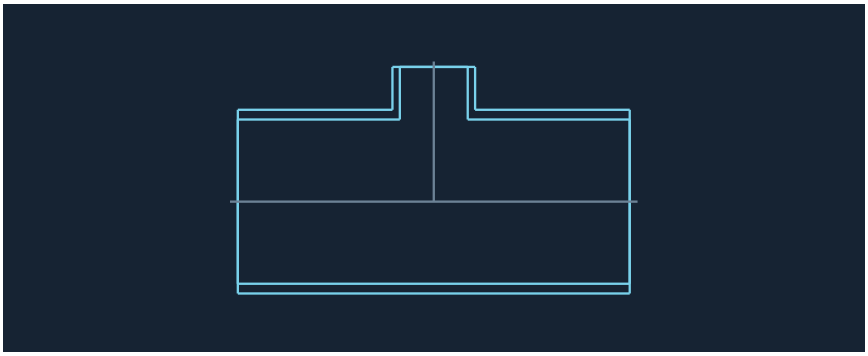
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

43/64

1,018 catalog variants / entries 673-688. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
201975677	28 x 12	XS	711	324	12.7	12.7	521	448	--
26811901	28 x 12	Schedule 30	711	324	15.88	8.38	521	448	--
267606750	28 x 14	Schedule 10	711	356	7.92	6.35	521	457	228
261722331	28 x 14	STD	711	356	9.52	9.52	521	457	274
165686273	28 x 14	Schedule 20	711	356	12.7	7.92	521	457	346
100051080	28 x 14	XS	711	356	12.7	12.7	521	457	346
74502184	28 x 14	Schedule 30	711	356	15.88	9.52	521	457	450
249817024	28 x 16	Schedule 10	711	406	7.92	6.35	521	457	235
200345668	28 x 16	STD	711	406	9.52	9.52	521	457	283
94318315	28 x 16	Schedule 20	711	406	12.7	7.92	521	457	357
40708769	28 x 16	XS	711	406	12.7	12.7	521	457	357
49761996	28 x 16	Schedule 30	711	406	15.88	9.52	521	457	450
228292546	28 x 18	Schedule 10	711	457	7.92	6.35	521	470	243
247022327	28 x 18	STD	711	457	9.52	9.52	521	470	292
234706325	28 x 18	Schedule 20	711	457	12.7	7.92	521	470	369
11601599	28 x 18	XS	711	457	12.7	12.7	521	470	369

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

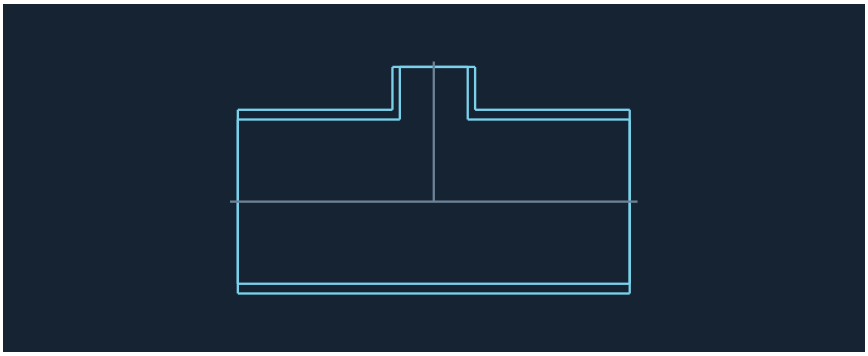
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

44/64

1,018 catalog variants / entries 689-704. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
133262744	28 x 18	Schedule 30	711	457	15.88	11.13	521	470	461
178668370	28 x 20	Schedule 10	711	508	7.92	6.35	521	483	251
2368536	28 x 20	STD	711	508	9.52	9.52	521	483	302
19881188	28 x 20	Schedule 20	711	508	12.7	9.52	521	483	380
258168483	28 x 20	XS	711	508	12.7	12.7	521	483	380
15545574	28 x 20	Schedule 30	711	508	15.88	12.7	521	483	461
162477874	28 x 22	Schedule 10	711	559	7.92	6.35	521	495	258
35571956	28 x 22	STD	711	559	9.52	9.52	521	495	311
6319964	28 x 22	Schedule 20	711	559	12.7	9.52	521	495	390
59766914	28 x 22	XS	711	559	12.7	12.7	521	495	390
82327455	28 x 22	Schedule 30	711	559	15.88	12.7	521	495	461
169463696	28 x 24	Schedule 10	711	610	7.92	6.35	521	508	266
91594044	28 x 24	STD	711	610	9.52	9.52	521	508	320
91223150	28 x 24	Schedule 20	711	610	12.7	9.52	521	508	400
94145816	28 x 24	XS	711	610	12.7	12.7	521	508	400
201350785	28 x 24	Schedule 30	711	610	15.88	14.27	521	508	480

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

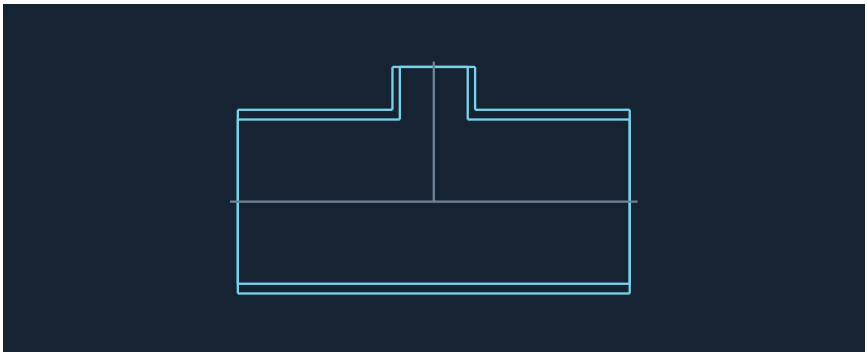
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

45/64

1,018 catalog variants / entries 705-720. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
199973147	28 x 26	Schedule 10	711	660	7.92	7.92	521	521	271
48745759	28 x 26	STD	711	660	9.52	9.52	521	521	325
69302875	28 x 26	Schedule 20	711	660	12.7	12.7	521	521	410
257281596	28 x 26	XS	711	660	12.7	12.7	521	521	410
230308894	30 x 10	STD	762	273	9.52	9.52	559	460	296
36152376	30 x 10	Schedule 20	762	273	12.7	6.35	559	460	--
267575914	30 x 10	XS	762	273	12.7	12.7	559	460	377
19829562	30 x 10	Schedule 30	762	273	15.88	7.8	559	460	--
178970865	30 x 12	STD	762	324	9.52	9.52	559	473	304
102411919	30 x 12	Schedule 20	762	324	12.7	6.35	559	473	--
169284490	30 x 12	XS	762	324	12.7	12.7	559	473	385
178913293	30 x 12	Schedule 30	762	324	15.88	8.38	559	473	--
138573546	30 x 14	Schedule 10	762	356	7.92	6.35	559	483	257
163757008	30 x 14	STD	762	356	9.52	9.52	559	483	312
153684717	30 x 14	Schedule 20	762	356	12.7	7.92	559	483	392
215971349	30 x 14	XS	762	356	12.7	12.7	559	483	395

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

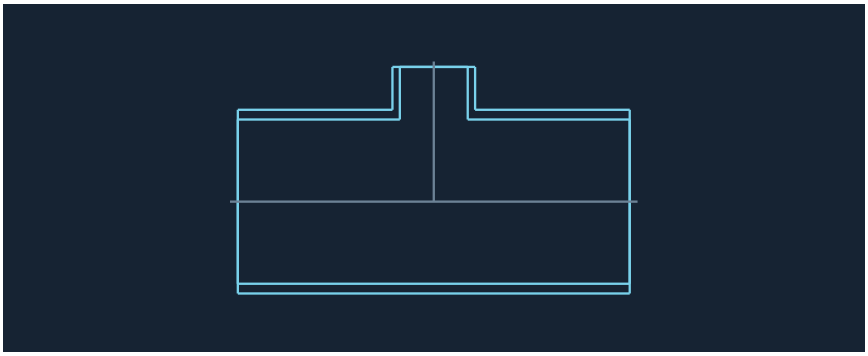
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

46/64

1,018 catalog variants / entries 721-736. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
223284932	30 x 14	Schedule 30	762	356	15.88	9.52	559	483	470
158297372	30 x 16	Schedule 10	762	406	7.92	6.35	559	483	266
50302680	30 x 16	STD	762	406	9.52	9.52	559	483	321
118300522	30 x 16	Schedule 20	762	406	12.7	7.92	559	483	404
24846593	30 x 16	XS	762	406	12.7	12.7	559	483	405
159713667	30 x 16	Schedule 30	762	406	15.88	9.52	559	483	470
58645592	30 x 18	Schedule 10	762	457	7.92	6.35	559	495	274
194098732	30 x 18	STD	762	457	9.52	9.52	559	495	330
135976486	30 x 18	Schedule 20	762	457	12.7	7.92	559	495	417
247304577	30 x 18	XS	762	457	12.7	12.7	559	495	417
53828347	30 x 18	Schedule 30	762	457	15.88	11.13	559	495	500
142767525	30 x 20	Schedule 10	762	508	7.92	6.35	559	508	283
213214042	30 x 20	STD	762	508	9.52	9.52	559	508	340
109451565	30 x 20	Schedule 20	762	508	12.7	9.52	559	508	428
233171009	30 x 20	XS	762	508	12.7	12.7	559	508	429
27092680	30 x 20	Schedule 30	762	508	15.88	12.7	559	508	500

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

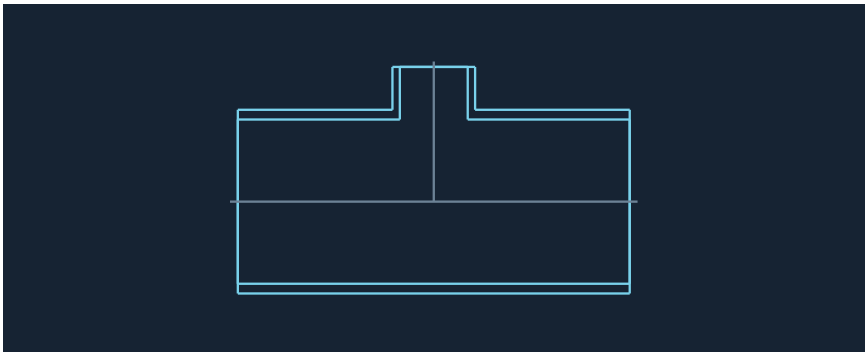
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

47/64

1,018 catalog variants / entries 737-752. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
255625125	30 x 22	Schedule 10	762	559	7.92	6.35	559	521	291
151583649	30 x 22	STD	762	559	9.52	9.52	559	521	351
201971114	30 x 22	Schedule 20	762	559	12.7	9.52	559	521	440
181165502	30 x 22	XS	762	559	12.7	12.7	559	521	441
128898230	30 x 22	Schedule 30	762	559	15.88	12.7	559	521	500
9506198	30 x 24	Schedule 10	762	610	7.92	6.35	559	533	300
232765799	30 x 24	STD	762	610	9.52	9.52	559	533	361
65651718	30 x 24	Schedule 20	762	610	12.7	9.52	559	533	451
264938517	30 x 24	XS	762	610	12.7	12.7	559	533	452
102463038	30 x 24	Schedule 30	762	610	15.88	14.27	559	533	541
134225538	30 x 26	Schedule 10	762	660	7.92	7.92	559	546	308
75390483	30 x 26	STD	762	660	9.52	9.52	559	546	372
176955765	30 x 26	Schedule 20	762	660	12.7	12.7	559	546	463
210700899	30 x 26	XS	762	660	12.7	12.7	559	546	463
180950342	30 x 28	Schedule 10	762	711	7.92	7.92	559	546	315
167433577	30 x 28	STD	762	711	9.52	9.52	559	546	380

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

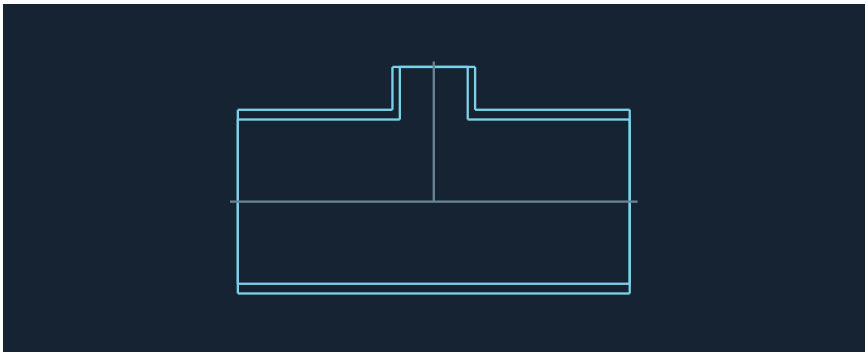
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

48/64

1,018 catalog variants / entries 753-768. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
123998643	30 x 28	Schedule 20	762	711	12.7	12.7	559	546	475
158327344	30 x 28	XS	762	711	12.7	12.7	559	546	475
2510983	30 x 28	Schedule 30	762	711	15.88	15.88	559	546	566
24330788	32 x 14	Schedule 10	813	356	7.92	6.35	597	508	--
132069728	32 x 14	STD	813	356	9.52	9.52	597	508	415
74737497	32 x 14	Schedule 20	813	356	12.7	7.92	597	508	--
172161191	32 x 14	XS	813	356	12.7	12.7	597	508	523
168043684	32 x 14	Schedule 40	813	356	17.48	11.13	597	508	--
113165617	32 x 16	Schedule 10	813	406	7.92	6.35	597	508	317
90490613	32 x 16	STD	813	406	9.52	9.52	597	508	425
268104018	32 x 16	Schedule 20	813	406	12.7	7.92	597	508	461
223483371	32 x 16	XS	813	406	12.7	12.7	597	508	535
48236021	32 x 16	Schedule 30	813	406	15.88	9.52	597	508	553
72703620	32 x 16	Schedule 40	813	406	17.48	12.7	597	508	--
216327696	32 x 18	Schedule 10	813	457	7.92	6.35	597	521	325
118042521	32 x 18	STD	813	457	9.52	9.52	597	521	436

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

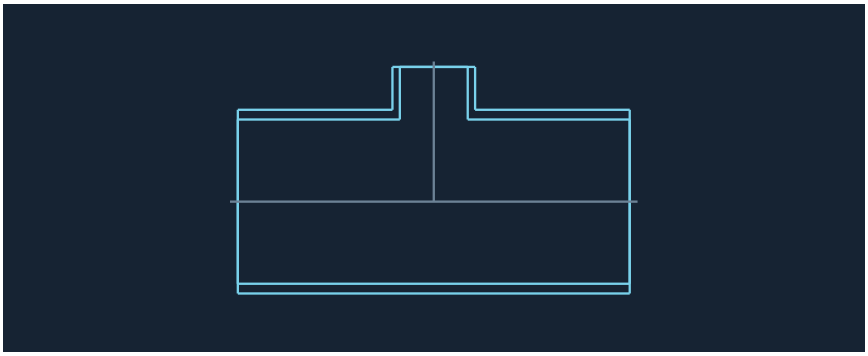
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

49/64

1,018 catalog variants / entries 769-784. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
157939674	32 x 18	Schedule 20	813	457	12.7	7.92	597	521	475
206267192	32 x 18	XS	813	457	12.7	12.7	597	521	547
9254958	32 x 18	Schedule 30	813	457	15.88	11.13	597	521	570
255283717	32 x 18	Schedule 40	813	457	17.48	14.27	597	521	--
77370280	32 x 20	Schedule 10	813	508	7.92	6.35	597	533	338
173626633	32 x 20	STD	813	508	9.52	9.52	597	533	448
159419372	32 x 20	Schedule 20	813	508	12.7	9.52	597	533	488
78573441	32 x 20	XS	813	508	12.7	12.7	597	533	562
27825679	32 x 20	Schedule 30	813	508	15.88	12.7	597	533	585
229535464	32 x 20	Schedule 40	813	508	17.48	15.09	597	533	--
72370951	32 x 22	Schedule 10	813	559	7.92	6.35	597	546	--
206485703	32 x 22	STD	813	559	9.52	9.52	597	546	460
95768245	32 x 22	Schedule 20	813	559	12.7	9.52	597	546	--
145022053	32 x 22	XS	813	559	12.7	12.7	597	546	577
167690767	32 x 22	Schedule 30	813	559	15.88	12.7	597	546	--
39839353	32 x 24	Schedule 10	813	610	7.92	6.35	597	559	341

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

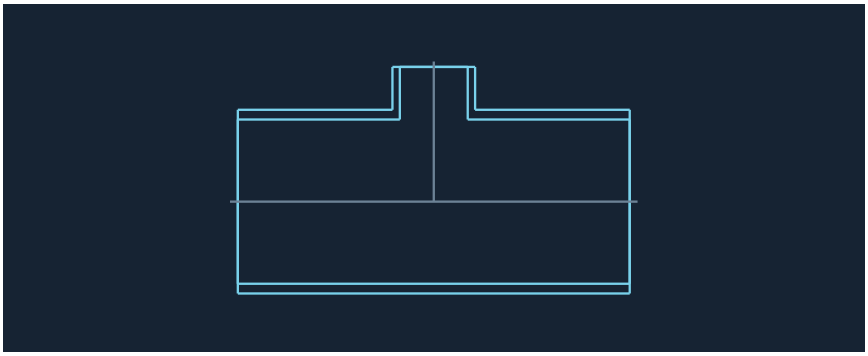
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

50/64

1,018 catalog variants / entries 785-800. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
39446177	32 x 24	STD	813	610	9.52	9.52	597	559	472
99932105	32 x 24	Schedule 20	813	610	12.7	9.52	597	559	513
56762900	32 x 24	XS	813	610	12.7	12.7	597	559	591
191035948	32 x 24	Schedule 30	813	610	15.88	14.27	597	559	616
132534421	32 x 24	Schedule 40	813	610	17.48	17.48	597	559	--
78409654	32 x 26	Schedule 10	813	660	7.92	7.92	597	572	350
77826470	32 x 26	STD	813	660	9.52	9.52	597	572	482
37203607	32 x 26	Schedule 20	813	660	12.7	12.7	597	572	526
214860901	32 x 26	XS	813	660	12.7	12.7	597	572	605
237312488	32 x 28	Schedule 10	813	711	7.92	7.92	597	572	357
137168484	32 x 28	STD	813	711	9.52	9.52	597	572	493
4307587	32 x 28	Schedule 20	813	711	12.7	12.7	597	572	536
259814401	32 x 28	XS	813	711	12.7	12.7	597	572	616
177217381	32 x 28	Schedule 30	813	711	15.88	15.88	597	572	643
36010446	32 x 30	Schedule 10	813	762	7.92	7.92	597	584	452
86837921	32 x 30	STD	813	762	9.52	9.52	597	584	506

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

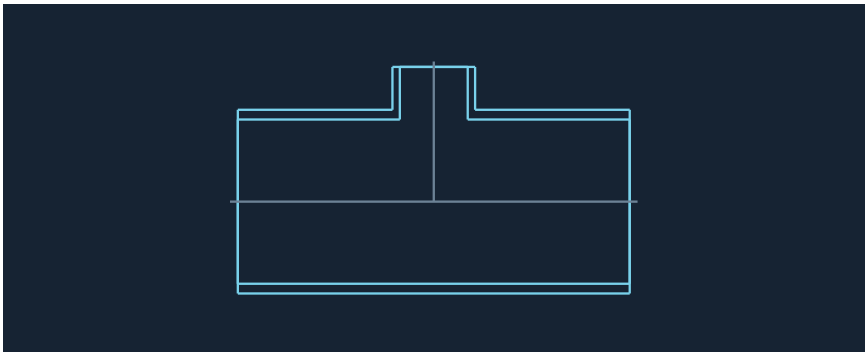
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

51/64

1,018 catalog variants / entries 801-816. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
228585670	32 x 30	Schedule 20	813	762	12.7	12.7	597	584	543
134478038	32 x 30	XS	813	762	12.7	12.7	597	584	628
181103200	32 x 30	Schedule 30	813	762	15.88	15.88	597	584	652
117790022	34 x 16	Schedule 10	864	406	7.92	6.35	635	533	343
199098999	34 x 16	STD	864	406	9.52	9.52	635	533	415
261304739	34 x 16	Schedule 20	864	406	12.7	7.92	635	533	519
120989491	34 x 16	XS	864	406	12.7	12.7	635	533	523
260575236	34 x 16	Schedule 30	864	406	15.88	9.52	635	533	650
235576946	34 x 18	Schedule 10	864	457	7.92	6.35	635	546	354
14298888	34 x 18	STD	864	457	9.52	9.52	635	546	425
252897978	34 x 18	Schedule 20	864	457	12.7	7.92	635	546	533
177294359	34 x 18	XS	864	457	12.7	12.7	635	546	535
7545376	34 x 18	Schedule 30	864	457	15.88	11.13	635	546	666
162486302	34 x 20	Schedule 10	864	508	7.92	6.35	635	559	362
160813643	34 x 20	STD	864	508	9.52	9.52	635	559	436
85138000	34 x 20	Schedule 20	864	508	12.7	9.52	635	559	547

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

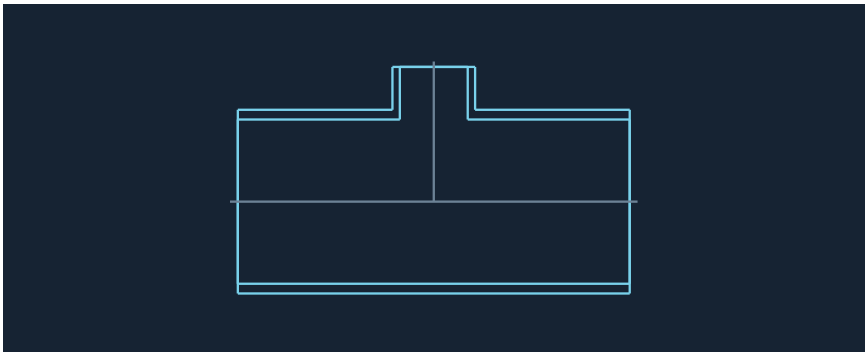
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

52/64

1,018 catalog variants / entries 817-832. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
109823042	34 x 20	XS	864	508	12.7	12.7	635	559	547
8094041	34 x 20	Schedule 30	864	508	15.88	12.7	635	559	666
225646024	34 x 22	Schedule 10	864	559	7.92	6.35	635	572	372
89108212	34 x 22	STD	864	559	9.52	9.52	635	572	448
266220845	34 x 22	Schedule 20	864	559	12.7	9.52	635	572	562
178064143	34 x 22	XS	864	559	12.7	12.7	635	572	562
213017717	34 x 22	Schedule 30	864	559	15.88	12.7	635	572	666
20272032	34 x 24	Schedule 10	864	610	7.92	6.35	635	584	382
215684653	34 x 24	STD	864	610	9.52	9.52	635	584	460
242475282	34 x 24	Schedule 20	864	610	12.7	9.52	635	584	576
150674074	34 x 24	XS	864	610	12.7	12.7	635	584	577
267337848	34 x 24	Schedule 30	864	610	15.88	14.27	635	584	720
145619315	34 x 26	Schedule 10	864	660	7.92	7.92	635	597	392
136912164	34 x 26	STD	864	660	9.52	9.52	635	597	472
27286295	34 x 26	Schedule 20	864	660	12.7	12.7	635	597	591
85759864	34 x 26	XS	864	660	12.7	12.7	635	597	591

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

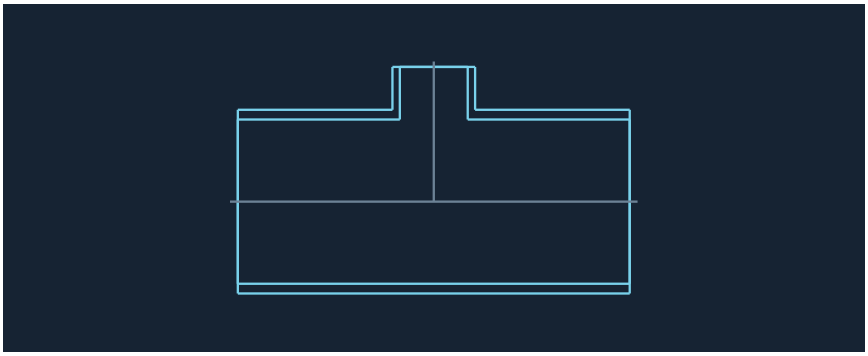
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

53/64

1,018 catalog variants / entries 833-848. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
228270017	34 x 28	Schedule 10	864	711	7.92	7.92	635	597	400
203208743	34 x 28	STD	864	711	9.52	9.52	635	597	482
34496940	34 x 28	Schedule 20	864	711	12.7	12.7	635	597	605
121425953	34 x 28	XS	864	711	12.7	12.7	635	597	605
47283297	34 x 28	Schedule 30	864	711	15.88	15.88	635	597	751
82684187	34 x 30	Schedule 10	864	762	7.92	7.92	635	610	409
384368	34 x 30	STD	864	762	9.52	9.52	635	610	493
224650714	34 x 30	Schedule 20	864	762	12.7	12.7	635	610	616
223337242	34 x 30	XS	864	762	12.7	12.7	635	610	616
89389810	34 x 30	Schedule 30	864	762	15.88	15.88	635	610	768
49262093	34 x 32	Schedule 10	864	813	7.92	7.92	635	622	419
189248104	34 x 32	STD	864	813	9.52	9.52	635	622	506
103775989	34 x 32	Schedule 20	864	813	12.7	12.7	635	622	628
209988019	34 x 32	XS	864	813	12.7	12.7	635	622	628
234714611	34 x 32	Schedule 30	864	813	15.88	15.88	635	622	788
38267169	36 x 16	Schedule 10	914	406	7.92	6.35	673	559	383

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

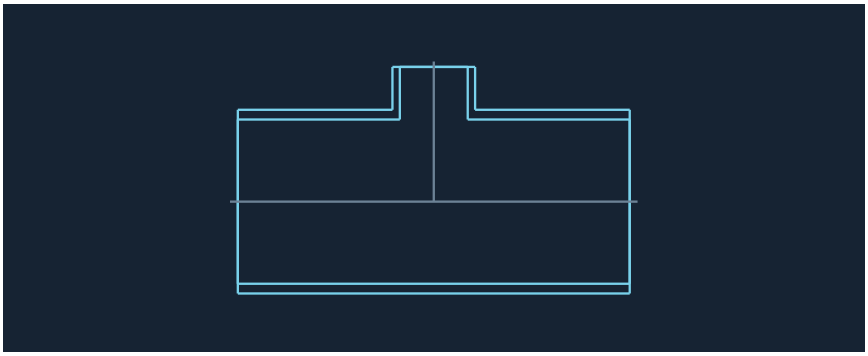
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

54/64

1,018 catalog variants / entries 849-864. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
163955513	36 x 16	STD	914	406	9.52	9.52	673	559	472
39616430	36 x 16	Schedule 20	914	406	12.7	7.92	673	559	581
172177053	36 x 16	XS	914	406	12.7	12.7	673	559	602
83205094	36 x 16	Schedule 30	914	406	15.88	9.52	673	559	726
16213595	36 x 18	Schedule 10	914	457	7.92	6.35	673	572	394
128801465	36 x 18	STD	914	457	9.52	9.52	673	572	483
6286083	36 x 18	Schedule 20	914	457	12.7	7.92	673	572	596
236435035	36 x 18	XS	914	457	12.7	12.7	673	572	611
74677151	36 x 18	Schedule 30	914	457	15.88	11.13	673	572	746
141644239	36 x 20	Schedule 10	914	508	7.92	6.35	673	584	405
59353901	36 x 20	STD	914	508	9.52	9.52	673	584	493
205917697	36 x 20	Schedule 20	914	508	12.7	9.52	673	584	610
197192672	36 x 20	XS	914	508	12.7	12.7	673	584	621
108013881	36 x 20	Schedule 30	914	508	15.88	12.7	673	584	763
79335325	36 x 22	Schedule 10	914	559	7.92	6.35	673	597	415
12379518	36 x 22	STD	914	559	9.52	9.52	673	597	502

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

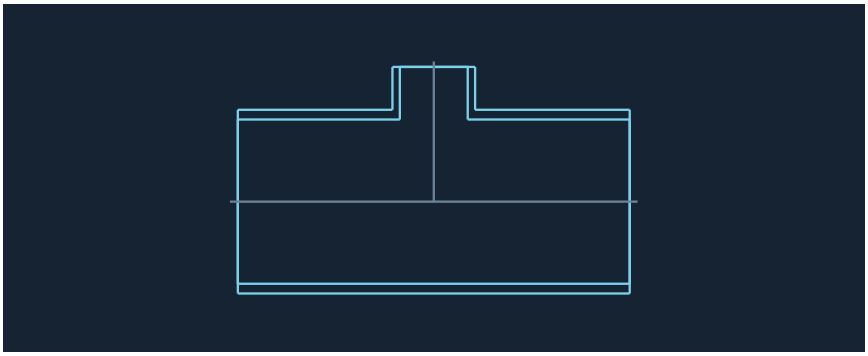
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

55/64

1,018 catalog variants / entries 865-880. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
43905635	36 x 22	Schedule 20	914	559	12.7	9.52	673	597	622
251225096	36 x 22	XS	914	559	12.7	12.7	673	597	622
178740806	36 x 22	Schedule 30	914	559	15.88	12.7	673	597	782
225261297	36 x 24	Schedule 10	914	610	7.92	6.35	673	610	426
216196252	36 x 24	STD	914	610	9.52	9.52	673	610	513
104015376	36 x 24	Schedule 20	914	610	12.7	9.52	673	610	642
89027498	36 x 24	XS	914	610	12.7	12.7	673	610	643
145445348	36 x 24	Schedule 30	914	610	15.88	14.27	673	610	803
214775770	36 x 26	Schedule 10	914	660	7.92	7.92	673	622	437
215516070	36 x 26	STD	914	660	9.52	9.52	673	622	526
97235715	36 x 26	Schedule 20	914	660	12.7	12.7	673	622	654
264312684	36 x 26	XS	914	660	12.7	12.7	673	622	654
188384878	36 x 28	Schedule 10	914	711	7.92	7.92	673	622	446
118113408	36 x 28	STD	914	711	9.52	9.52	673	622	537
45524598	36 x 28	Schedule 20	914	711	12.7	12.7	673	622	670
23500455	36 x 28	XS	914	711	12.7	12.7	673	622	670

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

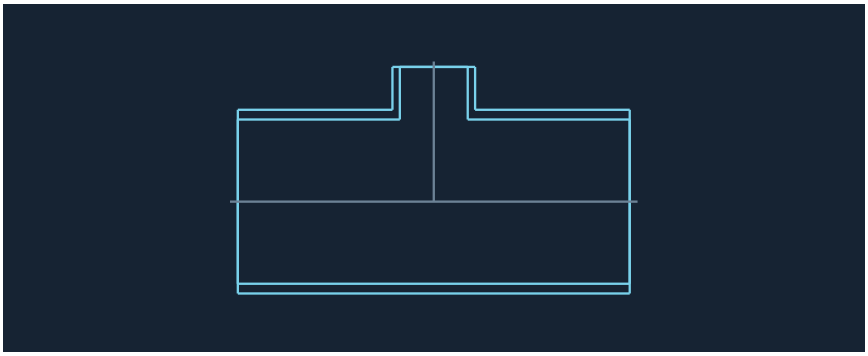
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

56/64

1,018 catalog variants / entries 881-896. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
27454180	36 x 28	Schedule 30	914	711	15.88	15.88	673	622	836
177183008	36 x 30	Schedule 10	914	762	7.92	7.92	673	635	455
249652667	36 x 30	STD	914	762	9.52	9.52	673	635	548
256455321	36 x 30	Schedule 20	914	762	12.7	12.7	673	635	685
10026214	36 x 30	XS	914	762	12.7	12.7	673	635	685
114638403	36 x 30	Schedule 30	914	762	15.88	15.88	673	635	856
20027789	36 x 32	Schedule 10	914	813	7.92	7.92	673	648	467
58979407	36 x 32	STD	914	813	9.52	9.52	673	648	561
72981943	36 x 32	Schedule 20	914	813	12.7	12.7	673	648	700
62885060	36 x 32	XS	914	813	12.7	12.7	673	648	700
188011139	36 x 32	Schedule 30	914	813	15.88	15.88	673	648	873
110452815	36 x 34	Schedule 10	914	864	7.92	7.92	673	660	477
136792359	36 x 34	STD	914	864	9.52	9.52	673	660	574
78727548	36 x 34	Schedule 20	914	864	12.7	12.7	673	660	715
27107774	36 x 34	XS	914	864	12.7	12.7	673	660	715
35317328	36 x 34	Schedule 30	914	864	15.88	15.88	673	660	893

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

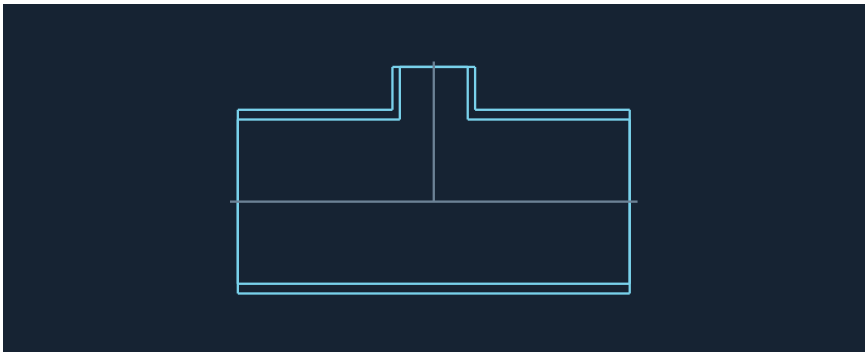
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

57/64

1,018 catalog variants / entries 897-912. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
258415491	38 x 18	STD	965	457	9.52	9.52	711	597	--
48370437	38 x 18	XS	965	457	12.7	12.7	711	597	--
219808754	38 x 20	STD	965	508	9.52	9.52	711	610	--
210390698	38 x 20	XS	965	508	12.7	12.7	711	610	--
182893211	38 x 22	STD	965	559	9.52	9.52	711	622	--
161125695	38 x 22	XS	965	559	12.7	12.7	711	622	--
83617112	38 x 24	STD	965	610	9.52	9.52	711	635	--
259938418	38 x 24	XS	965	610	12.7	12.7	711	635	--
228860877	38 x 26	STD	965	660	9.52	9.52	711	648	--
138114275	38 x 26	XS	965	660	12.7	12.7	711	648	--
67085879	38 x 28	STD	965	711	9.52	9.52	711	648	--
140779232	38 x 28	XS	965	711	12.7	12.7	711	648	--
61487289	38 x 30	STD	965	762	9.52	9.52	711	673	--
65994579	38 x 30	XS	965	762	12.7	12.7	711	673	--
159849286	38 x 32	STD	965	813	9.52	9.52	711	686	--
26957658	38 x 32	XS	965	813	12.7	12.7	711	686	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

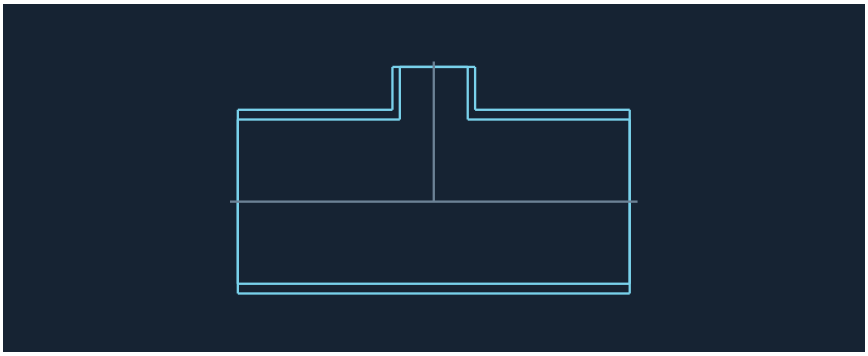
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

58/64

1,018 catalog variants / entries 913-928. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
198567563	38 x 34	STD	965	864	9.52	9.52	711	698	--
19170046	38 x 34	XS	965	864	12.7	12.7	711	698	--
128863926	38 x 36	STD	965	914	9.52	9.52	711	711	--
14735877	38 x 36	XS	965	914	12.7	12.7	711	711	--
43437376	40 x 18	STD	1016	457	9.52	9.52	749	622	540
202100469	40 x 18	XS	1016	457	12.7	12.7	749	622	650
189548008	40 x 20	STD	1016	508	9.52	9.52	749	635	552
234533920	40 x 20	XS	1016	508	12.7	12.7	749	635	665
156221224	40 x 22	STD	1016	559	9.52	9.52	749	648	565
29005143	40 x 22	XS	1016	559	12.7	12.7	749	648	682
126451856	40 x 24	STD	1016	610	9.52	9.52	749	660	580
228036599	40 x 24	XS	1016	610	12.7	12.7	749	660	700
195672796	40 x 26	STD	1016	660	9.52	9.52	749	673	595
218970141	40 x 26	XS	1016	660	12.7	12.7	749	673	723
219813363	40 x 28	STD	1016	711	9.52	9.52	749	673	611
91333796	40 x 28	XS	1016	711	12.7	12.7	749	673	740

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

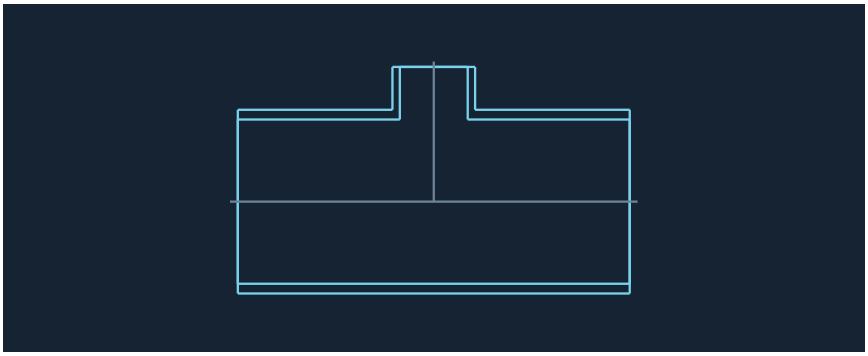
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

59/64

1,018 catalog variants / entries 929-944. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
121382587	40 x 30	STD	1016	762	9.52	9.52	749	698	627
101201695	40 x 30	XS	1016	762	12.7	12.7	749	698	763
31323047	40 x 32	STD	1016	813	9.52	9.52	749	711	643
107965619	40 x 32	XS	1016	813	12.7	12.7	749	711	802
65019776	40 x 34	STD	1016	864	9.52	9.52	749	724	659
187771424	40 x 34	XS	1016	864	12.7	12.7	749	724	840
198827410	40 x 36	STD	1016	914	9.52	9.52	749	737	659
96922534	40 x 36	XS	1016	914	12.7	12.7	749	737	840
2040056	40 x 38	STD	1016	965	9.52	9.52	749	749	664
76360125	40 x 38	XS	1016	965	12.7	12.7	749	749	875
188927776	42 x 16	STD	1067	406	9.52	9.52	762	635	700
52478190	42 x 16	XS	1067	406	12.7	12.7	762	635	847
161551666	42 x 18	STD	1067	457	9.52	9.52	762	648	708
59249382	42 x 18	XS	1067	457	12.7	12.7	762	648	875
10496972	42 x 20	STD	1067	508	9.52	9.52	762	660	708
212493804	42 x 20	XS	1067	508	12.7	12.7	762	660	875

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

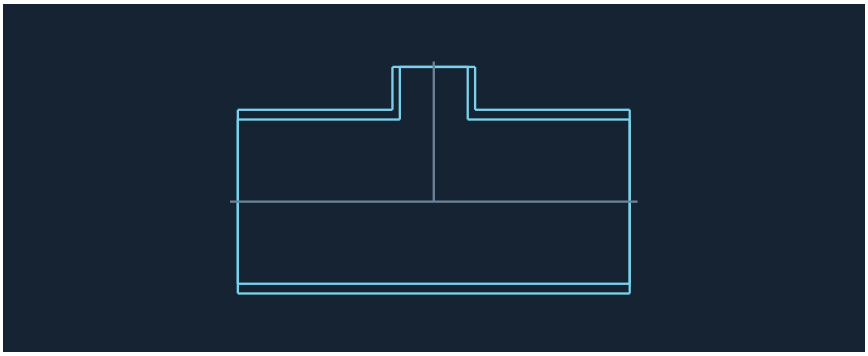
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

60/64

1,018 catalog variants / entries 945-960. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
179045879	42 x 22	STD	1067	559	9.52	9.52	762	660	728
185941516	42 x 22	XS	1067	559	12.7	12.7	762	660	915
139639054	42 x 24	STD	1067	610	9.52	9.52	762	660	728
120492691	42 x 24	XS	1067	610	12.7	12.7	762	660	915
147097240	42 x 26	STD	1067	660	9.52	9.52	762	698	750
263420848	42 x 26	XS	1067	660	12.7	12.7	762	698	955
152404925	42 x 28	STD	1067	711	9.52	9.52	762	698	750
223154589	42 x 28	XS	1067	711	12.7	12.7	762	698	955
92958303	42 x 30	STD	1067	762	9.52	9.52	762	711	772
77627645	42 x 30	XS	1067	762	12.7	12.7	762	711	999
236075623	42 x 32	STD	1067	813	9.52	9.52	762	711	772
81216777	42 x 32	XS	1067	813	12.7	12.7	762	711	999
145604976	42 x 34	STD	1067	864	9.52	9.52	762	711	772
254148050	42 x 34	XS	1067	864	12.7	12.7	762	711	999
8277971	42 x 36	STD	1067	914	9.52	9.52	762	711	818
8474542	42 x 36	XS	1067	914	12.7	12.7	762	711	1045

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

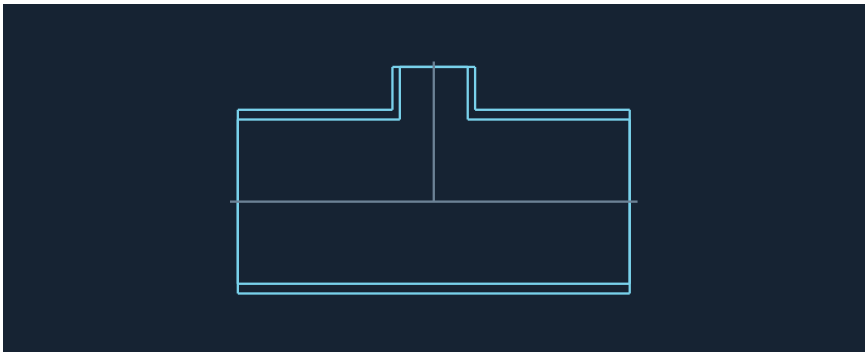
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

61/64

1,018 catalog variants / entries 961-976. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
201512236	42 x 38	STD	1067	965	9.52	9.52	762	711	--
119877075	42 x 38	XS	1067	965	12.7	12.7	762	711	--
82638867	42 x 40	STD	1067	1016	9.52	9.52	762	711	--
1103040	42 x 40	XS	1067	1016	12.7	12.7	762	711	--
10971421	44 x 20	STD	1118	508	9.52	9.52	813	686	--
137804850	44 x 20	XS	1118	508	12.7	12.7	813	686	--
214373414	44 x 22	STD	1118	559	9.52	9.52	813	686	--
67180987	44 x 22	XS	1118	559	12.7	12.7	813	686	--
131292706	44 x 24	STD	1118	610	9.52	9.52	813	698	--
130456788	44 x 24	XS	1118	610	12.7	12.7	813	698	--
190232910	44 x 26	STD	1118	660	9.52	9.52	813	698	--
169100686	44 x 26	XS	1118	660	12.7	12.7	813	698	--
119660698	44 x 28	STD	1118	711	9.52	9.52	813	698	--
186419136	44 x 28	XS	1118	711	12.7	12.7	813	698	--
98753451	44 x 30	STD	1118	762	9.52	9.52	813	711	--
214786808	44 x 30	XS	1118	762	12.7	12.7	813	711	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

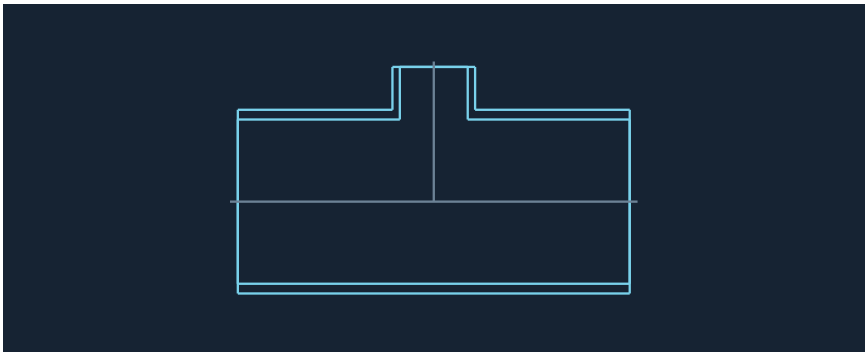
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

62/64

1,018 catalog variants / entries 977-992. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
119623612	44 x 32	STD	1118	813	9.52	9.52	813	711	--
256910602	44 x 32	XS	1118	813	12.7	12.7	813	711	--
214803941	44 x 34	STD	1118	864	9.52	9.52	813	724	--
18365994	44 x 34	XS	1118	864	12.7	12.7	813	724	--
63652675	44 x 36	STD	1118	914	9.52	9.52	813	724	--
48734442	44 x 36	XS	1118	914	12.7	12.7	813	724	--
232748431	44 x 38	STD	1118	965	9.52	9.52	813	737	--
63790938	44 x 38	XS	1118	965	12.7	12.7	813	737	--
221605679	44 x 40	STD	1118	1016	9.52	9.52	813	749	--
125741662	44 x 40	XS	1118	1016	12.7	12.7	813	749	--
150135406	44 x 42	STD	1118	1067	9.52	9.52	813	762	--
246921557	44 x 42	XS	1118	1067	12.7	12.7	813	762	--
159272436	46 x 26	STD	1168	660	9.52	9.52	851	737	--
28693765	46 x 26	XS	1168	660	12.7	12.7	851	737	--
252134631	46 x 28	STD	1168	711	9.52	9.52	851	737	--
73234472	46 x 28	XS	1168	711	12.7	12.7	851	737	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

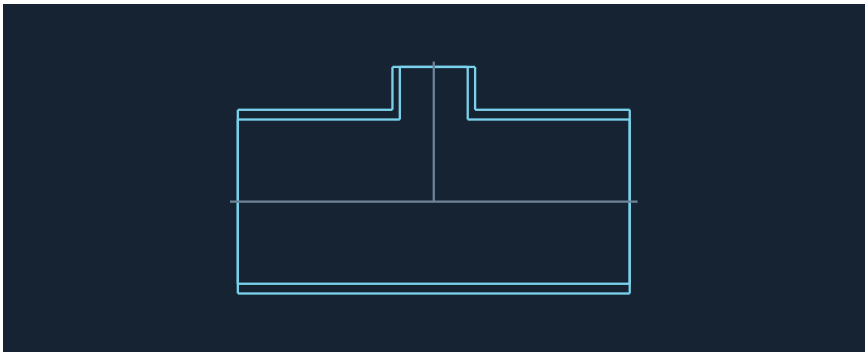
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

63/64

1,018 catalog variants / entries 993-1008. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
194372967	46 x 30	STD	1168	762	9.52	9.52	851	737	--
169307585	46 x 30	XS	1168	762	12.7	12.7	851	737	--
180824090	46 x 32	STD	1168	813	9.52	9.52	851	749	--
17999652	46 x 32	XS	1168	813	12.7	12.7	851	749	--
207572768	46 x 34	STD	1168	864	9.52	9.52	851	749	--
108233989	46 x 34	XS	1168	864	12.7	12.7	851	749	--
83763140	46 x 36	STD	1168	914	9.52	9.52	851	762	--
249040877	46 x 36	XS	1168	914	12.7	12.7	851	762	--
239673200	46 x 38	STD	1168	965	9.52	9.52	851	762	--
22604115	46 x 38	XS	1168	965	12.7	12.7	851	762	--
243232947	46 x 40	STD	1168	1016	9.52	9.52	851	775	--
254028827	46 x 40	XS	1168	1016	12.7	12.7	851	775	--
155869779	46 x 42	STD	1168	1067	9.52	9.52	851	787	--
92227748	46 x 42	XS	1168	1067	12.7	12.7	851	787	--
31590078	46 x 44	STD	1168	1118	9.52	9.52	851	800	--
207469345	46 x 44	XS	1168	1118	12.7	12.7	851	800	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

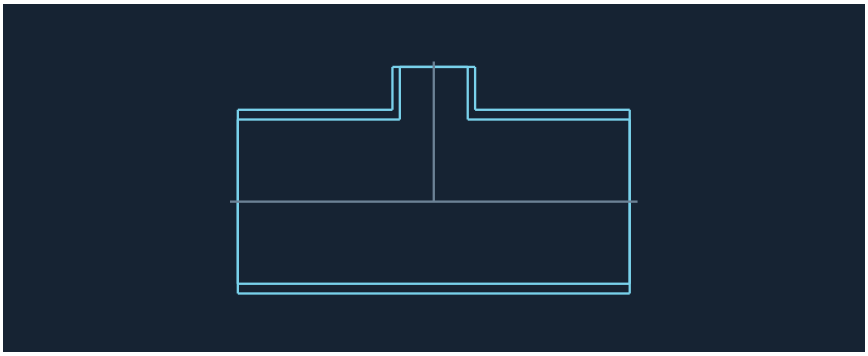
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducing tees

64/64

1,018 catalog variants / entries 1009-1018. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
96223901	48 x 22	STD	1219	559	9.52	9.52	889	737	960
76739342	48 x 22	XS	1219	559	12.7	12.7	889	737	1115
33138618	48 x 24	STD	1219	610	9.52	9.52	889	737	960
186215238	48 x 24	XS	1219	610	12.7	12.7	889	737	1115
13846409	48 x 26	STD	1219	660	9.52	9.52	889	762	980
207624824	48 x 26	XS	1219	660	12.7	12.7	889	762	1140
195253882	48 x 28	STD	1219	711	9.52	9.52	889	762	980
268271969	48 x 28	XS	1219	711	12.7	12.7	889	762	1140
51750477	48 x 30	STD	1219	762	9.52	9.52	889	762	1000
169603424	48 x 30	XS	1219	762	12.7	12.7	889	762	1170

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

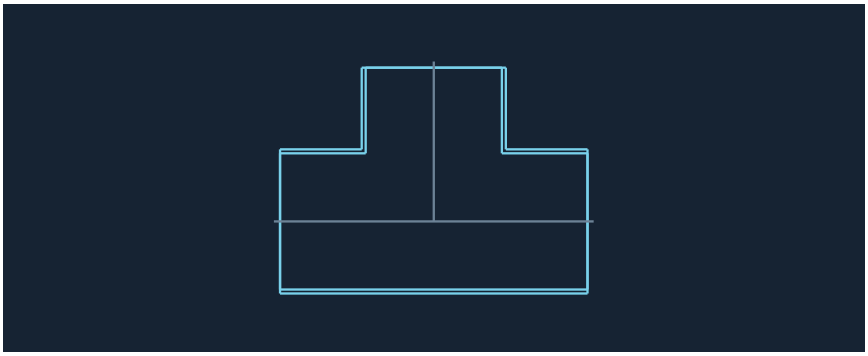
02 / PIPES AND FITTINGS

Dimensions and variants

SS Equal tees

1/5

72 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
174845772	1/2	Schedule 5	21	21	1.65	1.65	25	25	0.9
134609921	1/2	Schedule 10	21	21	2.11	2.11	25	25	0.1
115648409	1/2	Schedule 40	21	21	2.77	2.77	25	25	0.12
238434560	1/2	Schedule 80	21	21	3.73	3.73	25	25	0.14
119156033	3/4	Schedule 5	27	27	1.65	1.65	29	29	0.1
45777504	3/4	Schedule 10	27	27	2.11	2.11	29	29	0.13
202180465	3/4	Schedule 40	27	27	2.87	2.87	29	29	0.17
35961981	3/4	Schedule 80	27	27	3.91	3.91	29	29	0.2
48436591	1	Schedule 5	33	33	1.65	1.65	38	38	0.18
188739010	1	Schedule 10	33	33	2.77	2.77	38	38	0.28
169097904	1	Schedule 40	33	33	3.38	3.38	38	38	0.3
165129833	1	Schedule 80	33	33	4.55	4.55	38	38	0.4
163389665	1 1/4	Schedule 5	42	42	1.65	1.65	48	48	0.35
106289824	1 1/4	Schedule 10	42	42	2.77	2.77	48	48	0.5
123666849	1 1/4	Schedule 40	42	42	3.56	3.56	48	48	0.6
4842585	1 1/4	Schedule 80	42	42	4.85	4.85	48	48	0.7

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

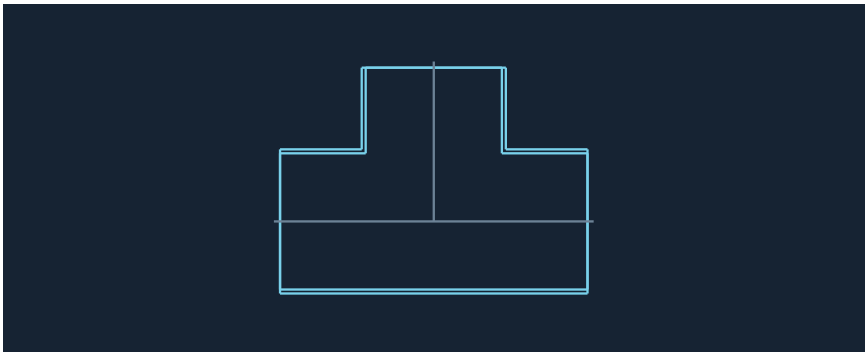
02 / PIPES AND FITTINGS

Dimensions and variants

SS Equal tees

2/5

72 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
16585809	1 1/2	Schedule 5	48	48	1.65	1.65	57	57	0.45
265867361	1 1/2	Schedule 10	48	48	2.77	2.77	57	57	0.7
77753957	1 1/2	Schedule 40	48	48	3.68	3.68	57	57	0.9
76553602	1 1/2	Schedule 80	48	48	5.08	5.08	57	57	1.05
22703175	2	Schedule 5	60	60	1.65	1.65	64	64	0.55
127009110	2	Schedule 10	60	60	2.77	2.77	64	64	0.85
149554974	2	Schedule 40	60	60	3.91	3.91	64	64	1.3
117384437	2	Schedule 80	60	60	5.54	5.54	64	64	1.6
38254439	2 1/2	Schedule 5	73	73	2.11	2.11	76	76	1
104583825	2 1/2	Schedule 10	73	73	3.05	3.05	76	76	1.4
260686379	2 1/2	Schedule 40	73	73	5.16	5.16	76	76	2.2
88070343	2 1/2	Schedule 80	73	73	7.01	7.01	76	76	3.1
128182084	3	Schedule 5	89	89	2.11	2.11	86	86	1.55
235233054	3	Schedule 10	89	89	3.05	3.05	86	86	1.8
212108683	3	Schedule 40	89	89	5.49	5.49	86	86	3.3
110313318	3	Schedule 80	89	89	7.62	7.62	86	86	4.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

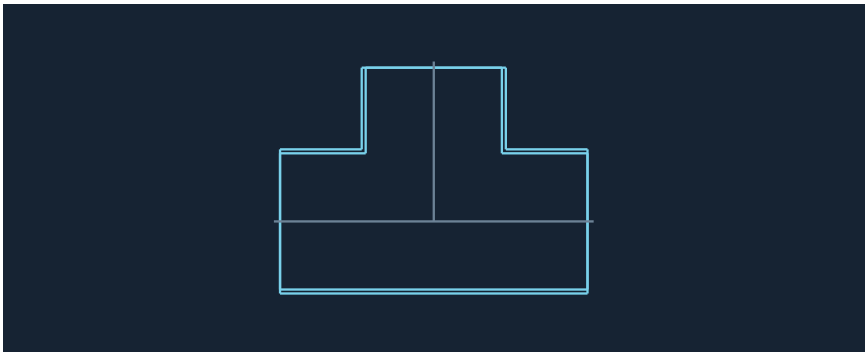
02 / PIPES AND FITTINGS

Dimensions and variants

SS Equal tees

3/5

72 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
45421920	3 1/2	Schedule 5	102	102	2.11	2.11	95	95	2.5
29633676	3 1/2	Schedule 10	102	102	3.05	3.05	95	95	2.7
194886341	3 1/2	Schedule 40	102	102	5.74	5.74	95	95	4.1
63631932	3 1/2	Schedule 80	102	102	8.08	8.08	95	95	5.4
254817590	4	Schedule 5	114	114	2.11	2.11	105	105	3.3
28055982	4	Schedule 10	114	114	3.05	3.05	105	105	3.5
109835990	4	Schedule 40	114	114	6.02	6.02	105	105	5.3
241028094	4	Schedule 80	114	114	8.56	8.56	105	105	7.7
135784044	5	Schedule 5	141	141	2.77	2.77	124	124	5.9
12981718	5	Schedule 10	141	141	3.4	3.4	124	124	6.1
126313759	5	Schedule 40	141	141	6.55	6.55	124	124	9.4
268358818	5	Schedule 80	141	141	9.53	9.53	124	124	11.5
121456487	6	Schedule 5	168	168	2.77	2.77	143	143	7.8
95288394	6	Schedule 10	168	168	3.4	3.4	143	143	8.1
258579975	6	Schedule 40	168	168	7.11	7.11	143	143	11
65003759	6	Schedule 80	168	168	10.97	10.97	143	143	13.6

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

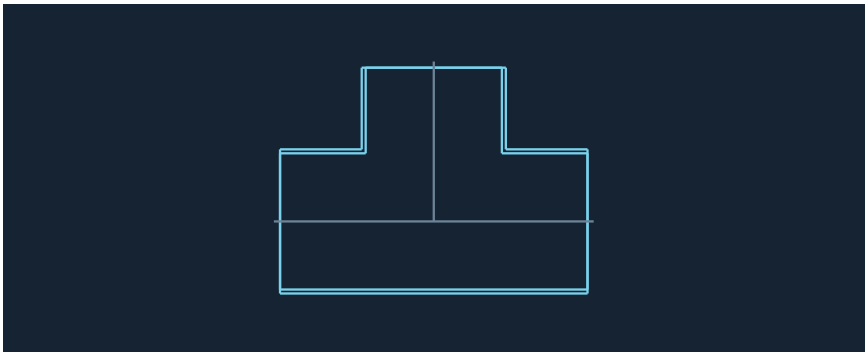
02 / PIPES AND FITTINGS

Dimensions and variants

SS Equal tees

4/5

72 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Schedule 5

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
267600701	8	Schedule 5	219	219	2.77	2.77	178	178	14
94965655	8	Schedule 10	219	219	3.76	3.76	178	178	15.6
98147160	8	Schedule 40	219	219	8.18	8.18	178	178	21
72138613	8	Schedule 80	219	219	12.7	12.7	178	178	28
161399377	10	Schedule 5	273	273	3.4	3.4	216	216	25
189947684	10	Schedule 10	273	273	4.19	4.19	216	216	27
131950266	10	Schedule 40	273	273	9.27	9.27	216	216	36
201729780	10	Schedule 80	273	273	12.7	12.7	216	216	50
227254741	12	Schedule 5	324	324	3.96	3.96	254	254	38
101549535	12	Schedule 10	324	324	4.57	4.57	254	254	40
28197069	12	Schedule 40	324	324	9.53	9.53	254	254	62
106772647	12	Schedule 80	324	324	12.7	12.7	254	254	84
246372129	14	Schedule 5	356	356	3.96	3.96	279	279	40
257348312	14	Schedule 10	356	356	4.78	4.78	279	279	48
35691718	16	Schedule 5	406	406	4.19	4.19	305	305	52
1637614	16	Schedule 10	406	406	4.78	4.78	305	305	59

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

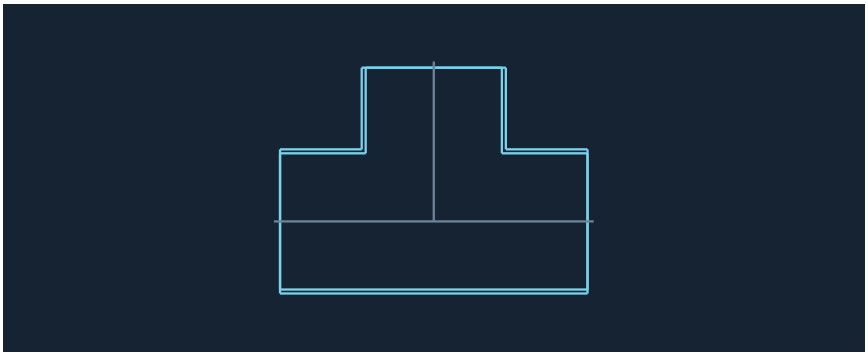
02 / PIPES AND FITTINGS

Dimensions and variants

SS Equal tees

5/5

72 catalog variants / entries 65-72. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 | Schedule 5

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
6690213	18	Schedule 5	457	457	4.19	4.19	343	343	68
124709520	18	Schedule 10	457	457	4.78	4.78	343	343	77
73483937	20	Schedule 5	508	508	4.78	4.78	381	381	78
142597311	20	Schedule 10	508	508	5.54	5.54	381	381	103
198153574	22 (3)	Schedule 5	559	559	4.78	4.78	419	419	--
6076639	22 (3)	Schedule 10	559	559	5.54	5.54	419	419	--
64139337	24	Schedule 5	610	610	5.54	5.54	432	432	90
264823809	24	Schedule 10	610	610	6.35	6.35	432	432	155

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

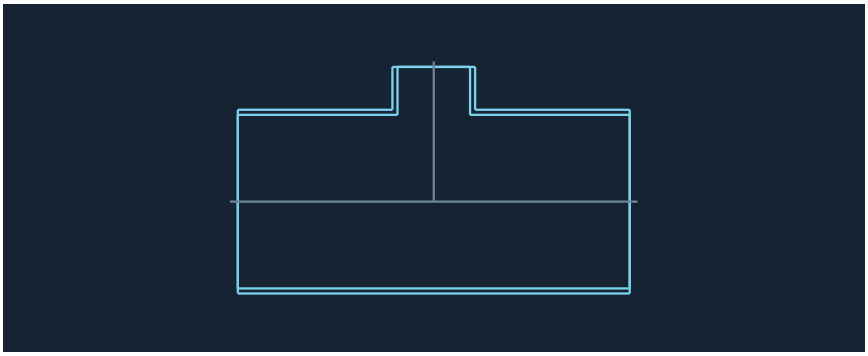
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

1/19

293 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 5

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
191875554	1/2 x 1/4 (3)	Schedule 10	21	14	2.11	1.65	25	25	0.08
240318735	1/2 x 1/4 (3)	Schedule 40	21	14	2.77	2.24	25	25	0.09
242751943	1/2 x 1/4 (3)	Schedule 80	21	14	3.73	3.02	25	25	0.11
264634737	1/2 x 3/8 (3)	Schedule 10	21	17	2.11	1.65	25	25	0.09
182588681	1/2 x 3/8 (3)	Schedule 40	21	17	2.77	2.31	25	25	0.1
238381605	1/2 x 3/8 (3)	Schedule 80	21	17	3.73	3.2	25	25	0.13
41115864	3/4 x 3/8 (3)	Schedule 10	27	17	2.11	1.65	29	29	0.11
108923332	3/4 x 3/8 (3)	Schedule 40	27	17	2.87	2.31	29	29	0.14
11559	3/4 x 3/8 (3)	Schedule 80	27	17	3.91	3.2	29	29	0.17
174444125	3/4 x 1/2	Schedule 5	27	21	1.65	1.65	29	29	0.11
230989031	3/4 x 1/2	Schedule 10	27	21	2.11	2.11	29	29	0.13
167948348	3/4 x 1/2	Schedule 40	27	21	2.87	2.77	29	29	0.15
100750352	3/4 x 1/2	Schedule 80	27	21	3.91	3.73	29	29	0.19
130106811	1 1/4 x 1/2	Schedule 5	42	21	1.65	1.65	48	48	0.29
111688513	1 1/4 x 1/2	Schedule 10	42	21	2.77	2.11	48	48	0.43
212990908	1 1/4 x 1/2	Schedule 40	42	21	3.56	2.77	48	48	0.51

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

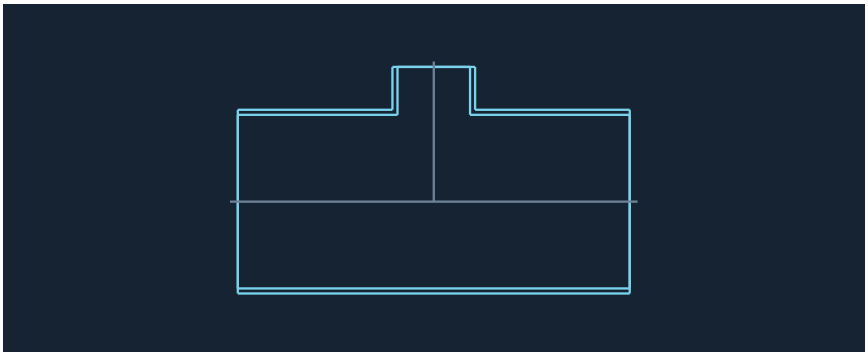
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

2/19

293 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
40205577	1 1/4 x 1/2	Schedule 80	42	21	4.85	3.73	48	48	0.61
18208949	1 1/4 x 3/4	Schedule 5	42	27	1.65	1.65	48	48	0.3
217720563	1 1/4 x 3/4	Schedule 10	42	27	2.77	2.11	48	48	0.44
98661164	1 1/4 x 3/4	Schedule 40	42	27	3.56	2.87	48	48	0.52
241127479	1 1/4 x 3/4	Schedule 80	42	27	4.85	3.91	48	48	0.64
257876690	1 1/4 x 1	Schedule 5	42	33	1.65	1.65	48	48	0.31
229543838	1 1/4 x 1	Schedule 10	42	33	2.77	2.77	48	48	0.46
83165529	1 1/4 x 1	Schedule 40	42	33	3.56	3.38	48	48	0.53
226478566	1 1/4 x 1	Schedule 80	42	33	4.85	4.55	48	48	0.34
95061615	1 x 1/2	Schedule 5	33	21	1.65	1.65	38	38	0.16
37999025	1 x 1/2	Schedule 10	33	21	2.77	2.11	38	38	0.26
57603533	1 x 1/2	Schedule 40	33	21	3.38	2.77	38	38	0.27
94011585	1 x 1/2	Schedule 80	33	21	4.55	3.73	38	38	0.35
91437819	1 1/2 x 1/2 (3)	Schedule 5	48	21	1.65	1.65	57	57	0.36
257274525	1 1/2 x 1/2 (3)	Schedule 10	48	21	2.77	2.11	57	57	0.61
161194435	1 1/2 x 1/2 (3)	Schedule 40	48	21	3.68	2.77	57	57	0.73

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

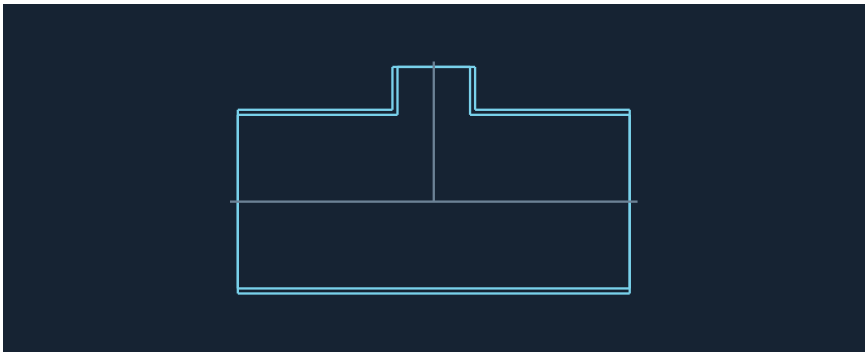
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

3/19

293 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
262176673	1 1/2 x 1/2 (3)	Schedule 80	48	21	5.08	3.73	57	57	0.86
40471448	1 1/2 x 3/4	Schedule 5	48	27	1.65	1.65	57	57	0.37
175334236	1 1/2 x 3/4	Schedule 10	48	27	2.77	2.11	57	57	0.62
75223944	1 1/2 x 3/4	Schedule 40	48	27	3.68	2.87	57	57	0.74
78208126	1 1/2 x 3/4	Schedule 80	48	27	5.08	3.91	57	57	0.88
140279242	1 1/2 x 1	Schedule 5	48	33	1.65	1.65	57	57	0.38
155469968	1 1/2 x 1	Schedule 10	48	33	2.77	2.77	57	57	0.64
131761001	1 1/2 x 1	Schedule 40	48	33	3.68	3.38	57	57	0.76
172808182	1 1/2 x 1	Schedule 80	48	33	5.08	4.55	57	57	0.9
114180460	1 1/2 x 1 1/4	Schedule 5	48	42	1.65	1.65	57	57	0.39
53305418	1 1/2 x 1 1/4	Schedule 10	48	42	2.77	2.77	57	57	0.67
259001209	1 1/2 x 1 1/4	Schedule 40	48	42	3.68	3.56	57	57	0.78
130627699	1 1/2 x 1 1/4	Schedule 80	48	42	5.08	4.85	57	57	0.92
29502783	1 x 3/4	Schedule 5	33	27	1.65	1.65	38	38	0.17
44267716	1 x 3/4	Schedule 10	33	27	2.77	2.11	38	38	0.27
100284812	1 x 3/4	Schedule 40	33	27	3.38	2.87	38	38	0.28

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

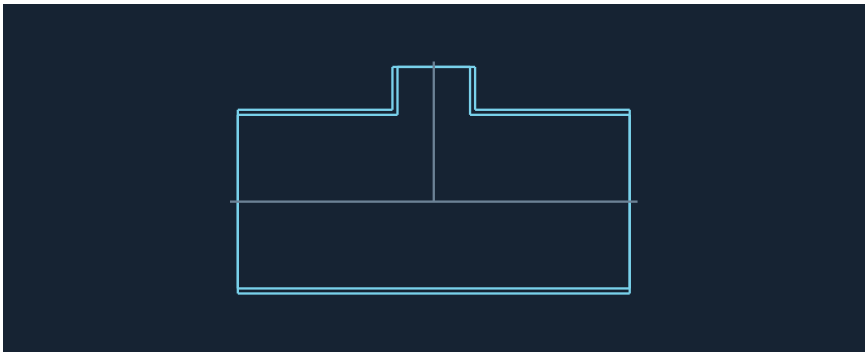
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

4/19

293 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
2924157	1 x 3/4	Schedule 80	33	27	4.55	3.91	38	38	0.36
82100958	2 1/2 x 1 1/4	Schedule 5	73	42	2.11	1.65	76	64	0.84
179852103	2 1/2 x 1 1/4	Schedule 10	73	42	3.05	2.77	76	64	1.17
46172603	2 1/2 x 1 1/4	Schedule 40	73	42	5.16	3.56	76	64	1.89
19234766	2 1/2 x 1 1/4	Schedule 80	73	42	7.01	4.85	76	64	2.7
64064354	2 1/2 x 1 1/2	Schedule 5	73	48	2.11	1.65	76	67	0.86
139976333	2 1/2 x 1 1/2	Schedule 10	73	48	3.05	2.77	76	67	1.19
75542189	2 1/2 x 1 1/2	Schedule 40	73	48	5.16	3.68	76	67	1.93
30545304	2 1/2 x 1 1/2	Schedule 80	73	48	7.01	5.08	76	67	2.75
87509051	2 1/2 x 2	Schedule 5	73	60	2.11	1.65	76	70	0.88
63753424	2 1/2 x 2	Schedule 10	73	60	3.05	2.77	76	70	1.21
128631222	2 1/2 x 2	Schedule 40	73	60	5.16	3.91	76	70	1.98
99351720	2 1/2 x 2	Schedule 80	73	60	7.01	5.54	76	70	2.8
221276994	2 x 3/4	Schedule 5	60	27	1.65	1.65	64	44	0.46
27961956	2 x 3/4	Schedule 10	60	27	2.77	2.11	64	44	0.71
251755535	2 x 3/4	Schedule 40	60	27	3.91	2.87	64	44	1.08

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

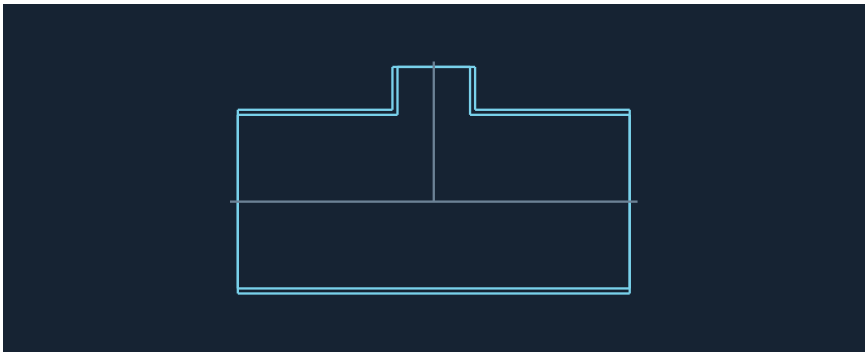
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

5/19

293 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
154028877	2 x 3/4	Schedule 80	60	27	5.54	3.91	64	44	1.35
83287646	2 x 1	Schedule 5	60	33	1.65	1.65	64	51	0.47
175397644	2 x 1	Schedule 10	60	33	2.77	2.77	64	51	0.73
87539543	2 x 1	Schedule 40	60	33	3.91	3.38	64	51	1.1
153935667	2 x 1	Schedule 80	60	33	5.54	4.55	64	51	1.37
180517751	2 x 1 1/4	Schedule 5	60	42	1.65	1.65	64	57	0.48
219403864	2 x 1 1/4	Schedule 10	60	42	2.77	2.77	64	57	0.75
166618822	2 x 1 1/4	Schedule 40	60	42	3.91	3.56	64	57	1.13
151868972	2 x 1 1/4	Schedule 80	60	42	5.54	4.85	64	57	1.4
248751478	2 x 1 1/2	Schedule 5	60	48	1.65	1.65	64	60	0.49
215337771	2 x 1 1/2	Schedule 10	60	48	2.77	2.77	64	60	0.77
49615127	2 x 1 1/2	Schedule 40	60	48	3.91	3.68	64	60	1.15
86128962	2 x 1 1/2	Schedule 80	60	48	5.54	5.08	64	60	1.43
211310619	3 1/2 x 1 1/2	Schedule 5	102	48	2.11	1.65	95	79	2.12
246593062	3 1/2 x 1 1/2	Schedule 10	102	48	3.05	2.77	95	79	2
99641187	3 1/2 x 1 1/2	Schedule 40	102	48	5.74	3.68	95	79	3.45

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

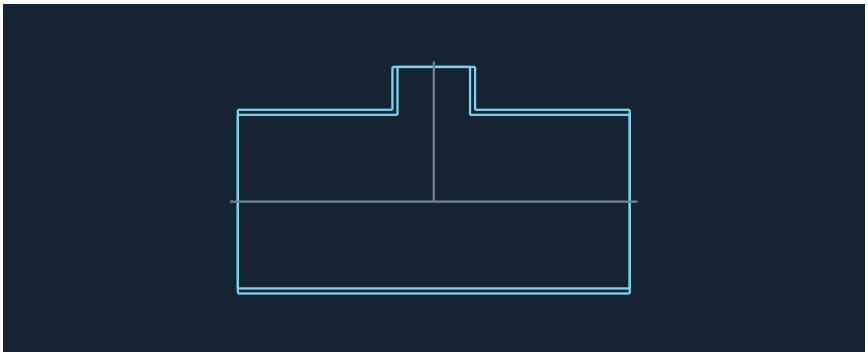
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

6/19

293 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
200179989	3 1/2 x 1 1/2	Schedule 80	102	48	8.08	5.08	95	79	4.6
113748708	3 1/2 x 2	Schedule 5	102	60	2.11	1.65	95	83	2.14
26369208	3 1/2 x 2	Schedule 10	102	60	3.05	2.77	95	83	2.05
128876255	3 1/2 x 2	Schedule 40	102	60	5.74	3.91	95	83	3.5
87871878	3 1/2 x 2	Schedule 80	102	60	8.08	5.54	95	83	4.7
247727670	3 1/2 x 2 1/2	Schedule 5	102	73	2.11	2.11	95	89	2.19
103983243	3 1/2 x 2 1/2	Schedule 10	102	73	3.05	3.05	95	89	2.1
204624664	3 1/2 x 2 1/2	Schedule 40	102	73	5.74	5.16	95	89	4.05
81704802	3 1/2 x 2 1/2	Schedule 80	102	73	8.08	7.01	95	89	4.8
81964382	3 1/2 x 3	Schedule 5	102	89	2.11	2.11	95	92	2.24
156899354	3 1/2 x 3	Schedule 10	102	89	3.05	3.05	95	92	2.15
199189872	3 1/2 x 3	Schedule 40	102	89	5.74	5.49	95	92	4.15
45589005	3 1/2 x 3	Schedule 80	102	89	8.08	7.62	95	92	4.9
155055227	3 x 1 1/4 (3)	Schedule 5	89	42	2.11	1.65	86	70	1.31
88728617	3 x 1 1/4 (3)	Schedule 10	89	42	3.05	2.77	86	70	1.57
245627720	3 x 1 1/4 (3)	Schedule 40	89	42	5.49	3.56	86	70	2.8

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

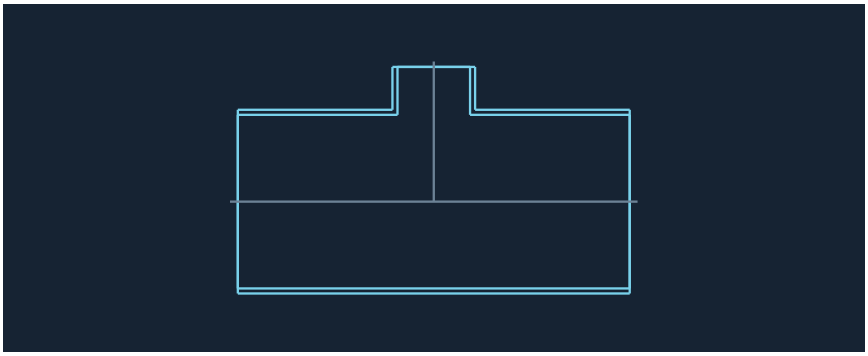
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

7/19

293 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 5

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
1216220	3 x 1 1/4 (3)	Schedule 80	89	42	7.62	4.85	86	70	3.8
141358956	3 x 1 1/2	Schedule 5	89	48	2.11	1.65	86	73	1.33
116759384	3 x 1 1/2	Schedule 10	89	48	3.05	2.77	86	73	1.6
233302071	3 x 1 1/2	Schedule 40	89	48	5.49	3.68	86	73	2.85
9928515	3 x 1 1/2	Schedule 80	89	48	7.62	5.08	86	73	3.85
220207156	3 x 2	Schedule 5	89	60	2.11	1.65	86	76	1.35
180453497	3 x 2	Schedule 10	89	60	3.05	2.77	86	76	1.65
5076415	3 x 2	Schedule 40	89	60	5.49	3.91	86	76	2.9
20712013	3 x 2	Schedule 80	89	60	7.62	5.54	86	76	3.9
178871231	3 x 2 1/2	Schedule 5	89	73	2.11	2.11	86	83	1.39
144036067	3 x 2 1/2	Schedule 10	89	73	3.05	3.05	86	83	1.7
97182152	3 x 2 1/2	Schedule 40	89	73	5.49	5.16	86	83	3
191577389	3 x 2 1/2	Schedule 80	89	73	7.62	7.01	86	83	4
113769020	4 x 1 1/2	Schedule 5	114	48	2.11	1.65	105	86	2.74
201834926	4 x 1 1/2	Schedule 10	114	48	3.05	2.77	105	86	2.9
197816063	4 x 1 1/2	Schedule 40	114	48	6.02	3.68	105	86	4.45

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

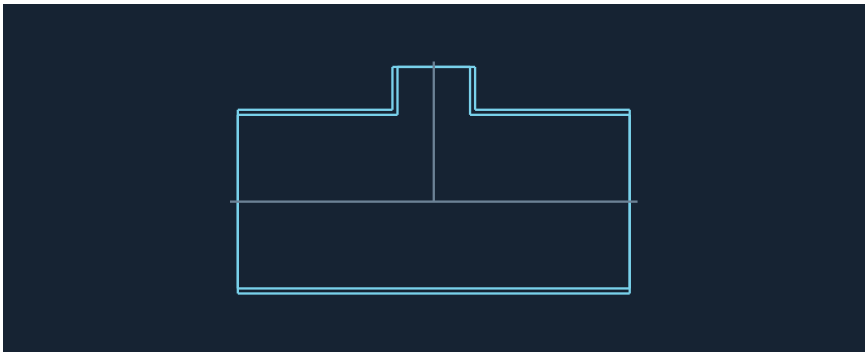
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

8/19

293 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
73440900	4 x 1 1/2	Schedule 80	114	48	8.56	5.08	105	86	6.5
179178091	4 x 2	Schedule 5	114	60	2.11	1.65	105	89	2.77
19276057	4 x 2	Schedule 10	114	60	3.05	2.77	105	89	2.93
259923928	4 x 2	Schedule 40	114	60	6.02	3.91	105	89	4.5
21600070	4 x 2	Schedule 80	114	60	8.56	5.54	105	89	6.55
159338340	4 x 2 1/2	Schedule 5	114	73	2.11	2.11	105	95	2.8
9886828	4 x 2 1/2	Schedule 10	114	73	3.05	3.05	105	95	2.97
92638454	4 x 2 1/2	Schedule 40	114	73	6.02	5.16	105	95	4.55
238224871	4 x 2 1/2	Schedule 80	114	73	8.56	7.01	105	95	6.6
15109525	4 x 3	Schedule 5	114	89	2.11	2.11	105	98	2.87
93131411	4 x 3	Schedule 10	114	89	3.05	3.05	105	98	3.05
95503577	4 x 3	Schedule 40	114	89	6.02	5.49	105	98	4.65
256873224	4 x 3	Schedule 80	114	89	8.56	7.62	105	98	6.8
38837438	4 x 3 1/2	Schedule 5	114	102	2.11	2.11	105	102	2.94
45627355	4 x 3 1/2	Schedule 10	114	102	3.05	3.05	105	102	3.1
155682819	4 x 3 1/2	Schedule 40	114	102	6.02	5.74	105	102	4.7

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

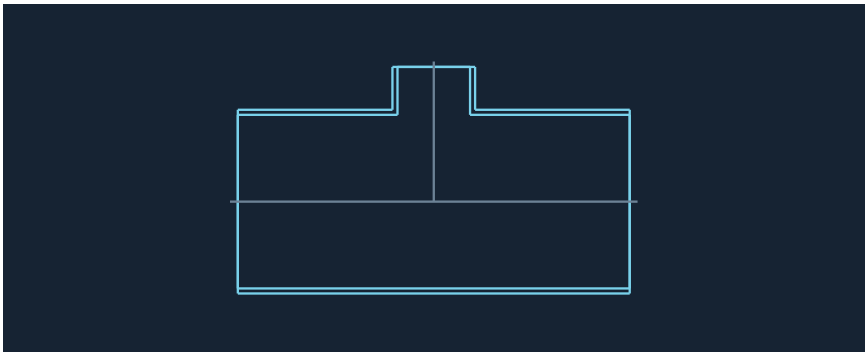
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

9/19

293 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
6112405	4 x 3 1/2	Schedule 80	114	102	8.56	8.08	105	102	6.95
42619458	5 x 2	Schedule 5	141	60	2.77	1.65	124	105	4.95
39453498	5 x 2	Schedule 10	141	60	3.4	2.77	124	105	5.1
201768353	5 x 2	Schedule 40	141	60	6.55	3.91	124	105	7.9
18766520	5 x 2	Schedule 80	141	60	9.53	5.54	124	105	9.5
111398878	5 x 2 1/2	Schedule 5	141	73	2.77	2.11	124	108	5
15244644	5 x 2 1/2	Schedule 10	141	73	3.4	3.05	124	108	5.2
61108207	5 x 2 1/2	Schedule 40	141	73	6.55	5.16	124	108	8
118514436	5 x 2 1/2	Schedule 80	141	73	9.53	7.01	124	108	9.65
253448554	5 x 3	Schedule 5	141	89	2.77	2.11	124	111	5.1
30738925	5 x 3	Schedule 10	141	89	3.4	3.05	124	111	5.25
119893953	5 x 3	Schedule 40	141	89	6.55	5.49	124	111	8.1
57247907	5 x 3	Schedule 80	141	89	9.53	7.62	124	111	9.75
187318954	5 x 3 1/2	Schedule 5	141	102	2.77	2.11	124	114	5.18
163432184	5 x 3 1/2	Schedule 10	141	102	3.4	3.05	124	114	5.35
149527731	5 x 3 1/2	Schedule 40	141	102	6.55	5.74	124	114	8.3

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

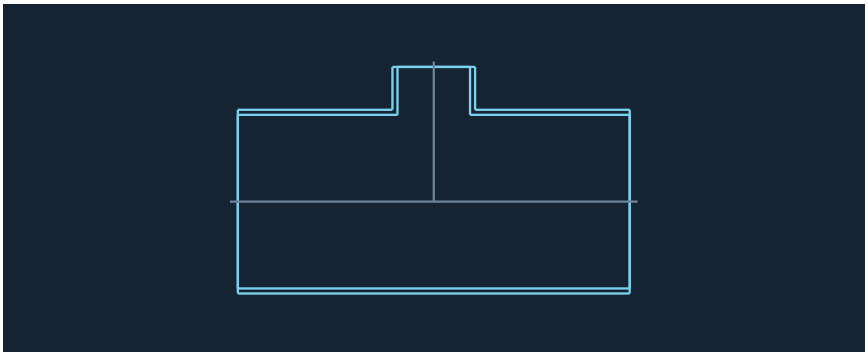
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

10/19

293 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
54262242	5 x 3 1/2	Schedule 80	141	102	9.53	8.08	124	114	10
184308656	5 x 4	Schedule 5	141	114	2.77	2.11	124	117	5.3
185686478	5 x 4	Schedule 10	141	114	3.4	3.05	124	117	5.5
6246485	5 x 4	Schedule 40	141	114	6.55	6.02	124	117	8.5
232310503	5 x 4	Schedule 80	141	114	9.53	8.56	124	117	10.2
266784819	6 x 2 1/2	Schedule 5	168	73	2.77	2.11	143	121	6.6
68909676	6 x 2 1/2	Schedule 10	168	73	3.4	3.05	143	121	6.75
108748422	6 x 2 1/2	Schedule 40	168	73	7.11	5.16	143	121	11.7
101677011	6 x 2 1/2	Schedule 80	168	73	10.97	7.01	143	121	11.4
79898289	6 x 3	Schedule 5	168	89	2.77	2.11	143	124	6.65
33904127	6 x 3	Schedule 10	168	89	3.4	3.05	143	124	6.85
179697104	6 x 3	Schedule 40	168	89	7.11	5.49	143	124	11.9
140295228	6 x 3	Schedule 80	168	89	10.97	7.62	143	124	11.5
210111976	6 x 4	Schedule 5	168	114	2.77	2.11	143	130	6.85
39892340	6 x 4	Schedule 10	168	114	3.4	3.05	143	130	7.1
256119884	6 x 4	Schedule 40	168	114	7.11	6.02	143	130	12.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

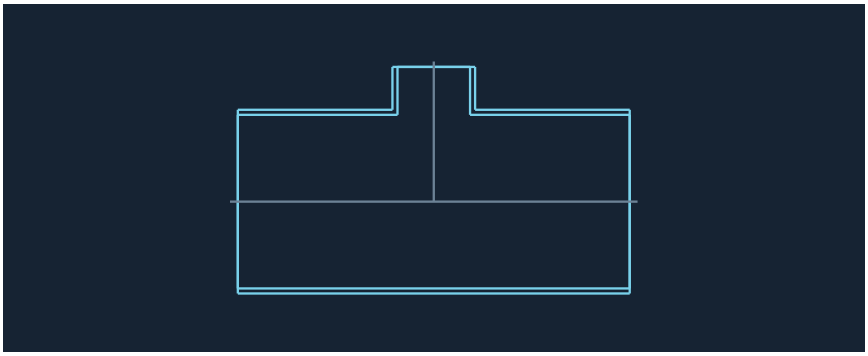
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

11/19

293 catalog variants / entries 161-176. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
153684178	6 x 4	Schedule 80	168	114	10.97	8.56	143	130	12
102732438	6 x 5	Schedule 5	168	141	2.77	2.77	143	137	7
200328330	6 x 5	Schedule 10	168	141	3.4	3.4	143	137	7.25
146734120	6 x 5	Schedule 40	168	141	7.11	6.55	143	137	12.3
210632885	6 x 5	Schedule 80	168	141	10.97	9.53	143	137	12.2
17284910	8 x 3 1/2	Schedule 5	219	102	2.77	2.11	178	152	11.9
87868626	8 x 3 1/2	Schedule 10	219	102	3.76	3.05	178	152	13.3
265899050	8 x 3 1/2	Schedule 40	219	102	8.18	5.74	178	152	17.8
28576624	8 x 3 1/2	Schedule 80	219	102	12.7	8.08	178	152	23.9
250890761	8 x 4	Schedule 5	219	114	2.77	2.11	178	156	12.1
176332224	8 x 4	Schedule 10	219	114	3.76	3.05	178	156	13.4
28588818	8 x 4	Schedule 40	219	114	8.18	6.02	178	156	18
197186483	8 x 4	Schedule 80	219	114	12.7	8.56	178	156	24.2
90651863	8 x 5	Schedule 5	219	141	2.77	2.77	178	162	12.4
157706579	8 x 5	Schedule 10	219	141	3.76	3.4	178	162	13.7
256335279	8 x 5	Schedule 40	219	141	8.18	6.55	178	162	18.4

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

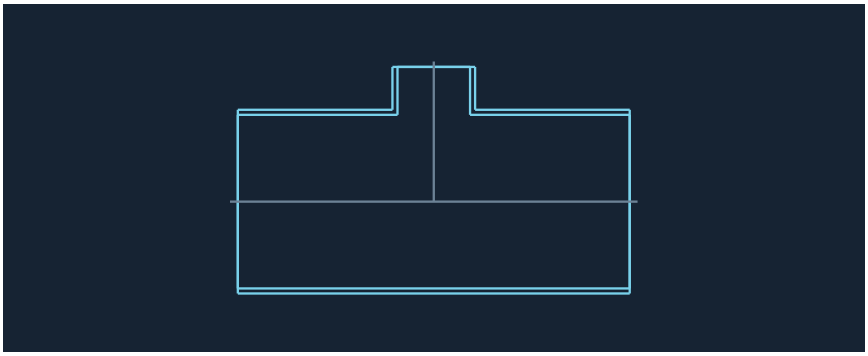
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

12/19

293 catalog variants / entries 177-192. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
70034389	8 x 5	Schedule 80	219	141	12.7	9.53	178	162	24.7
125072357	8 x 6	Schedule 5	219	168	2.77	2.77	178	168	12.6
192575311	8 x 6	Schedule 10	219	168	3.76	3.4	178	168	14
231081222	8 x 6	Schedule 40	219	168	8.18	7.11	178	168	18.8
67581633	8 x 6	Schedule 80	219	168	12.7	10.97	178	168	25.3
193743130	10 x 5	Schedule 5	273	141	3.4	2.77	216	191	21.4
99848080	10 x 5	Schedule 10	273	141	4.19	3.4	216	191	23
261171860	10 x 5	Schedule 40	273	141	9.27	6.55	216	191	30.4
203159763	10 x 5	Schedule 80	273	141	12.7	9.53	216	191	42.9
11044428	10 x 6	Schedule 5	273	168	3.4	2.77	216	194	21.9
231569297	10 x 6	Schedule 10	273	168	4.19	3.4	216	194	23.5
6058112	10 x 6	Schedule 40	273	168	9.27	7.11	216	194	31.1
265545544	10 x 6	Schedule 80	273	168	12.7	10.97	216	194	43.9
113128090	10 x 8	Schedule 5	273	219	3.4	2.77	216	203	22.4
109230624	10 x 8	Schedule 10	273	219	4.19	3.76	216	203	24.1
122467722	10 x 8	Schedule 40	273	219	9.27	8.18	216	203	31.8

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

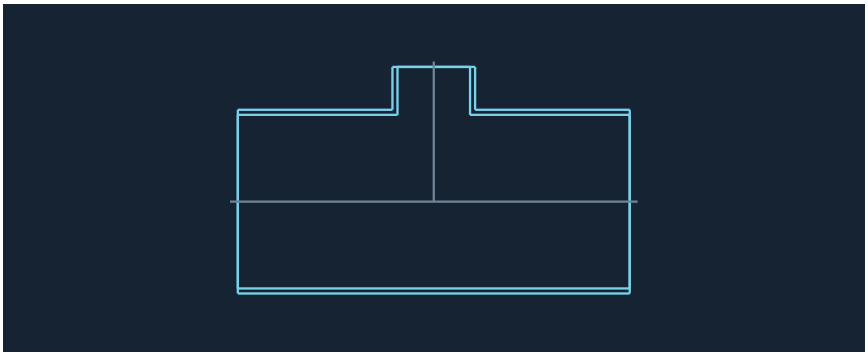
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

13/19

293 catalog variants / entries 193-208. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
174275971	10 x 8	Schedule 80	273	219	12.7	12.7	216	203	44.8
31994745	12 x 5	Schedule 5	324	141	3.96	2.77	254	216	32
13890901	12 x 5	Schedule 10	324	141	4.57	3.4	254	216	33.5
94567501	12 x 5	Schedule 40	324	141	9.53	6.55	254	216	52.5
217380255	12 x 5	Schedule 80	324	141	12.7	9.53	254	216	71.1
262823859	12 x 6	Schedule 5	324	168	3.96	2.77	254	219	32.3
196960707	12 x 6	Schedule 10	324	168	4.57	3.4	254	219	33.9
219894728	12 x 6	Schedule 40	324	168	9.53	7.11	254	219	53.5
268066370	12 x 6	Schedule 80	324	168	12.7	10.97	254	219	72
108942868	12 x 8	Schedule 5	324	219	3.96	2.77	254	229	33.1
1234573	12 x 8	Schedule 10	324	219	4.57	3.76	254	229	34.7
231678829	12 x 8	Schedule 40	324	219	9.53	8.18	254	229	54.4
159112462	12 x 8	Schedule 80	324	219	12.7	12.7	254	229	73.8
85208854	12 x 10	Schedule 5	324	273	3.96	3.4	254	241	33.8
239140957	12 x 10	Schedule 10	324	273	4.57	4.19	254	241	35.5
260317415	12 x 10	Schedule 40	324	273	9.53	9.27	254	241	55.7

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

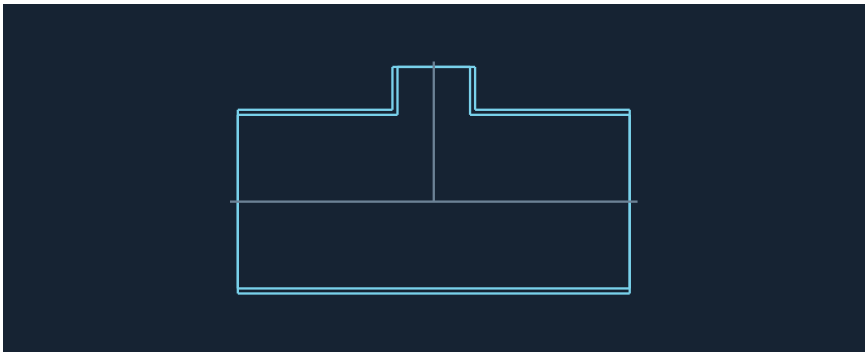
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

14/19

293 catalog variants / entries 209-224. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
65255934	12 x 10	Schedule 80	324	273	12.7	12.7	254	241	75.2
264885978	14 x 6	Schedule 5	356	168	3.96	2.77	279	238	34.3
118866745	14 x 6	Schedule 10	356	168	4.78	3.4	279	238	41.2
164155960	14 x 6	Schedule 40	356	168	9.53	7.11	279	238	67
233215880	14 x 8	Schedule 5	356	219	3.96	2.77	279	248	34.7
150574980	14 x 8	Schedule 10	356	219	4.78	3.76	279	248	41.7
189905445	14 x 8	Schedule 40	356	219	9.53	8.18	279	248	68
5790252	14 x 10	Schedule 5	356	273	3.96	3.4	279	257	35.5
20119012	14 x 10	Schedule 10	356	273	4.78	4.19	279	257	42.7
46154824	14 x 10	Schedule 40	356	273	9.53	9.27	279	257	69.8
151412749	14 x 12	Schedule 5	356	324	3.96	3.96	279	270	36.3
213654550	14 x 12	Schedule 10	356	324	4.78	4.57	279	270	43.6
8597736	14 x 12	Schedule 40	356	324	9.53	9.53	279	270	71.1
206009139	16 x 6	Schedule 5	406	168	4.19	2.77	305	264	43.8
20006858	16 x 6	Schedule 10	406	168	4.78	3.4	305	264	49.4
169180440	16 x 6	Schedule 40	406	168	9.53	7.11	305	264	83.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

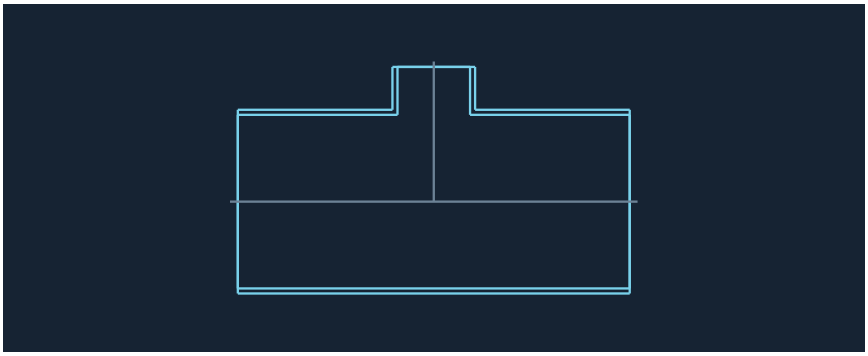
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

15/19

293 catalog variants / entries 225-240. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
155116554	16 x 8	Schedule 5	406	219	4.19	2.77	305	273	44.3
134083253	16 x 8	Schedule 10	406	219	4.78	3.76	305	273	49.8
222050088	16 x 8	Schedule 40	406	219	9.53	8.18	305	273	84.5
79996526	16 x 10	Schedule 5	406	273	4.19	3.4	305	283	44.8
93038110	16 x 10	Schedule 10	406	273	4.78	4.19	305	283	50.7
30972043	16 x 10	Schedule 40	406	273	9.53	9.27	305	283	85.5
58523413	16 x 14	Schedule 5	406	356	4.19	3.96	305	305	46.7
169038561	16 x 14	Schedule 10	406	356	4.78	4.78	305	305	53
151788642	16 x 14	Schedule 40	406	356	9.53	9.53	305	305	90
31445683	18 x 8	Schedule 5	457	219	4.19	2.77	343	298	56.6
78038943	18 x 8	Schedule 10	457	219	4.78	3.76	343	298	64.3
32416665	18 x 8	Schedule 40	457	219	9.53	8.18	343	298	109
253264479	18 x 10	Schedule 5	457	273	4.19	3.4	343	308	57
1554318	18 x 10	Schedule 10	457	273	4.78	4.19	343	308	64.8
75833012	18 x 10	Schedule 40	457	273	9.53	9.27	343	308	110
178984953	18 x 12	Schedule 5	457	324	4.19	3.96	343	321	58

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

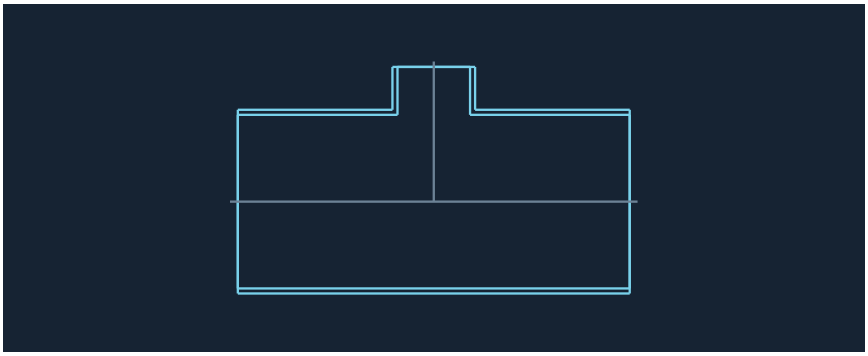
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

16/19

293 catalog variants / entries 241-256. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 5

OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
61829459	18 x 12	Schedule 10	457	324	4.78	4.57	343	321	65.7
50602808	18 x 12	Schedule 40	457	324	9.53	9.53	343	321	111
267080875	18 x 14	Schedule 5	457	356	4.19	3.96	343	330	59.3
159850395	18 x 14	Schedule 10	457	356	4.78	4.78	343	330	67
248334380	18 x 14	Schedule 40	457	356	9.53	9.53	343	330	114
96563523	18 x 16	Schedule 5	457	406	4.19	4.19	343	330	60.7
37480430	18 x 16	Schedule 10	457	406	4.78	4.78	343	330	68.9
181062200	18 x 16	Schedule 40	457	406	9.53	9.53	343	330	116
39653510	20 x 8	Schedule 5	508	219	4.78	2.77	381	324	63.9
186049143	20 x 8	Schedule 10	508	219	5.54	3.76	381	324	85.5
95480451	20 x 8	Schedule 40	508	219	9.53	8.18	381	324	135
43609847	20 x 10	Schedule 5	508	273	4.78	3.4	381	333	64.8
32406917	20 x 10	Schedule 10	508	273	5.54	4.19	381	333	86.5
64955585	20 x 10	Schedule 40	508	273	9.53	9.27	381	333	136
83904309	20 x 12	Schedule 5	508	324	4.78	3.96	381	346	65.7
250419814	20 x 12	Schedule 10	508	324	5.54	4.57	381	346	87.5

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

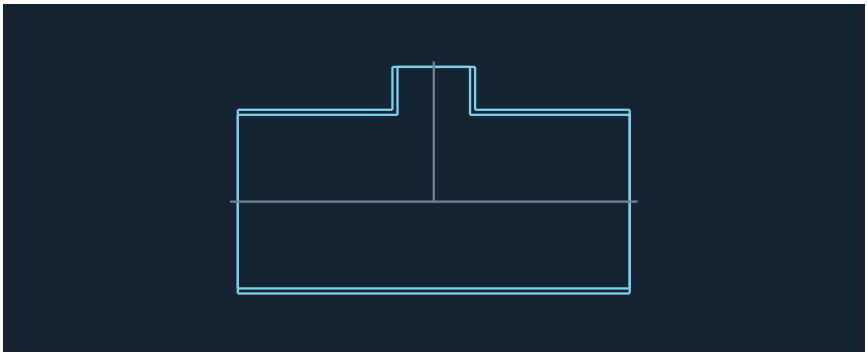
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

17/19

293 catalog variants / entries 257-272. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
210701845	20 x 12	Schedule 40	508	324	9.53	9.53	381	346	138
149948399	20 x 14	Schedule 5	508	356	4.78	3.96	381	356	66.6
228216429	20 x 14	Schedule 10	508	356	5.54	4.78	381	356	89
205796649	20 x 14	Schedule 40	508	356	9.53	9.53	381	356	140
19212439	20 x 18	Schedule 5	508	457	4.78	4.19	381	368	69.8
162899020	20 x 18	Schedule 10	508	457	5.54	4.78	381	368	93
262220785	20 x 18	Schedule 40	508	457	9.53	9.53	381	368	146
201447858	22 x 12 (3)	Schedule 5	559	324	4.78	3.96	419	371	--
67539998	22 x 12 (3)	Schedule 10	559	324	5.54	4.57	419	371	--
144450855	22 x 14 (3)	Schedule 5	559	356	4.78	3.96	419	381	--
124197285	22 x 14 (3)	Schedule 10	559	356	5.54	4.78	419	381	--
177955002	22 x 16 (3)	Schedule 5	559	406	4.78	4.19	419	381	--
9737074	22 x 16 (3)	Schedule 10	559	406	5.54	4.78	419	381	--
31561552	22 x 18 (3)	Schedule 5	559	457	4.78	4.19	419	394	--
140599765	22 x 18 (3)	Schedule 10	559	457	5.54	4.78	419	394	--
126841894	22 x 20 (3)	Schedule 5	559	508	4.78	4.78	419	406	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

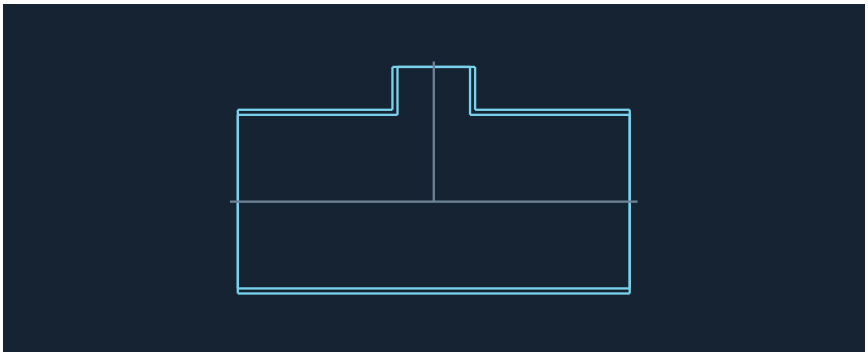
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

18/19

293 catalog variants / entries 273-288. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
150316948	22 x 20 (3)	Schedule 10	559	508	5.54	5.54	419	406	--
179927694	24 x 10	Schedule 5	610	273	5.54	3.4	432	384	112
173508593	24 x 10	Schedule 10	610	273	6.35	4.19	432	384	129
8599723	24 x 10	Schedule 40	610	273	9.53	9.27	432	384	187
238209636	24 x 12	Schedule 5	610	324	5.54	3.96	432	397	113
37764851	24 x 12	Schedule 10	610	324	6.35	4.57	432	397	130
121104408	24 x 12	Schedule 40	610	324	9.53	9.53	432	397	189
106347564	24 x 14	Schedule 5	610	356	5.54	3.96	432	406	115
144946003	24 x 14	Schedule 10	610	356	6.35	4.78	432	406	132
132084056	24 x 14	Schedule 40	610	356	9.53	9.53	432	406	191
130751119	24 x 16	Schedule 5	610	406	5.54	4.19	432	406	116
69345943	24 x 16	Schedule 10	610	406	6.35	4.78	432	406	134
213049592	24 x 16	Schedule 40	610	406	9.53	9.53	432	406	194
22244819	24 x 18	Schedule 5	610	457	5.54	4.19	432	419	119
59310635	24 x 18	Schedule 10	610	457	6.35	4.78	432	419	137
195345118	24 x 18	Schedule 40	610	457	9.53	9.53	432	419	198

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

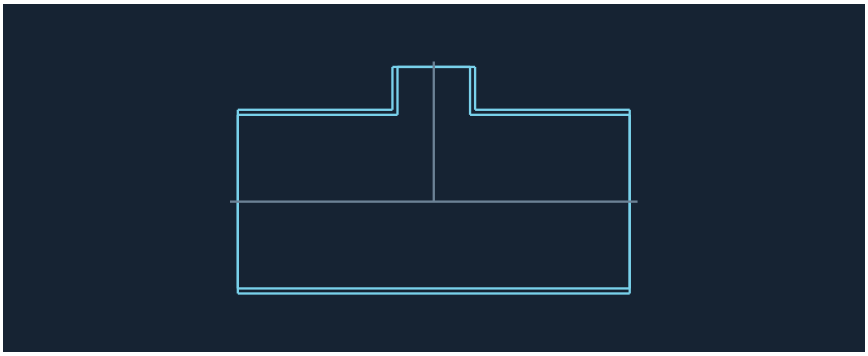
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducing tees

19/19

293 catalog variants / entries 289-293. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: run / branch outside diameter. t1 / t2: corresponding walls. A: run centre-to-end. B: branch centre-to-end. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 5

ID	NPS RUN x BR.	SCHEDULE	OD1	OD2	t1	t2	A	B	MASS kg
55986789	24 x 20	Schedule 5	610	508	5.54	4.78	432	432	121
41537488	24 x 20	Schedule 10	610	508	6.35	5.54	432	432	140
227912190	24 x 20	Schedule 40	610	508	9.53	9.53	432	432	207
140542971	24 x 22 (3)	Schedule 5	610	559	5.54	4.78	432	432	--
2113973	24 x 22 (3)	Schedule 10	610	559	6.35	5.54	432	432	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

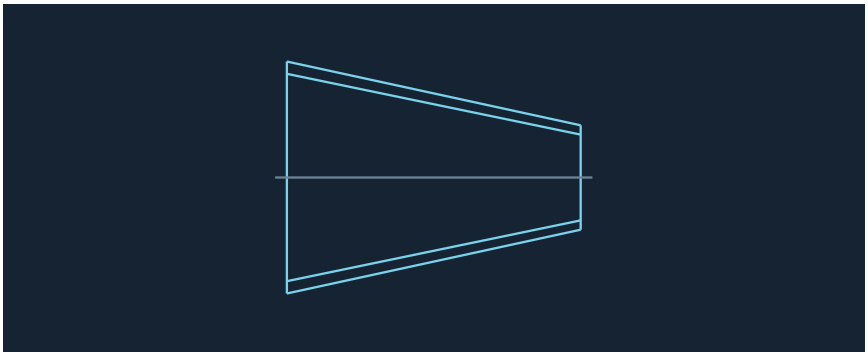
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

1/35

554 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
229506844	3/4 x 3/8	Schedule 30	27	17	2.41	1.85	38	--
205871228	3/4 x 3/8	STD	27	17	2.87	2.31	38	0.07
41209253	3/4 x 3/8	XS	27	17	3.91	3.2	38	0.1
177418359	3/4 x 1/2	Schedule 30	27	21	2.41	2.41	38	--
1167474	3/4 x 1/2	STD	27	21	2.87	2.77	38	0.07
225200233	3/4 x 1/2	XS	27	21	3.91	3.73	38	0.1
183321481	3/4 x 1/2	XXS	27	21	7.82	7.47	38	0.19
26969960	1 1/4 x 1/2	Schedule 30	42	21	2.97	2.41	51	--
57781453	1 1/4 x 1/2	STD	42	21	3.56	2.77	51	0.17
199486960	1 1/4 x 1/2	Schedule 40	42	21	3.56	2.77	51	0.17
153734644	1 1/4 x 1/2	Schedule 80	42	21	4.85	3.73	51	0.23
234661651	1 1/4 x 1/2	XS	42	21	4.85	3.73	51	0.23
205317931	1 1/4 x 1/2	XXS	42	21	9.7	7.47	51	0.39
210514941	1 1/4 x 3/4	Schedule 30	42	27	2.97	2.41	51	--
237833052	1 1/4 x 3/4	STD	42	27	3.56	2.87	51	0.17
205921344	1 1/4 x 3/4	XS	42	27	4.85	3.91	51	0.23

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

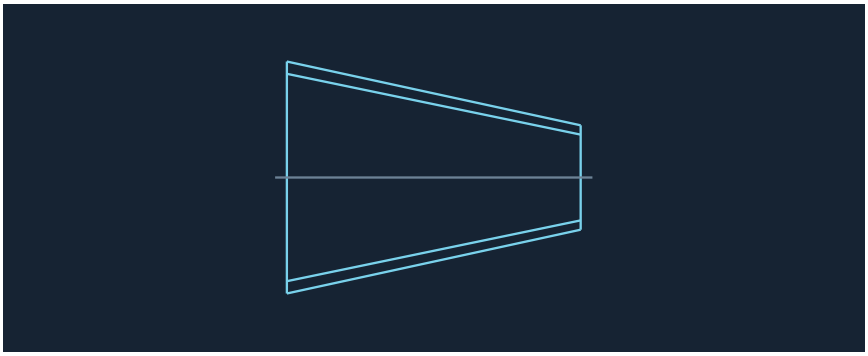
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

2/35

554 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
15335868	1 1/4 x 3/4	XXS	42	27	9.7	7.82	51	0.39
13149352	1 1/4 x 1	Schedule 30	42	33	2.97	2.9	51	--
261725122	1 1/4 x 1	STD	42	33	3.56	3.38	51	0.17
128427513	1 1/4 x 1	XS	42	33	4.85	4.55	51	0.23
132995060	1 1/4 x 1	XXS	42	33	9.7	9.09	51	0.39
135501994	1 x 1/2	Schedule 30	33	21	2.9	2.41	51	--
222943165	1 x 1/2	STD	33	21	3.38	2.77	51	0.13
255864677	1 x 1/2	XS	33	21	4.55	3.73	51	0.16
22798860	1 x 1/2	XXS	33	21	9.09	7.47	51	0.28
7811426	1 1/2 x 1/2	Schedule 30	48	21	3.18	2.41	64	--
153929676	1 1/2 x 1/2	STD	48	21	3.68	2.77	64	0.26
267354985	1 1/2 x 1/2	XS	48	21	5.08	3.73	64	0.35
168361454	1 1/2 x 1/2	XXS	48	21	10.16	7.47	64	0.61
49120895	1 1/2 x 3/4	Schedule 30	48	27	3.18	2.41	64	--
242682749	1 1/2 x 3/4	STD	48	27	3.68	2.87	64	0.26
169923434	1 1/2 x 3/4	XS	48	27	5.08	3.91	64	0.35

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

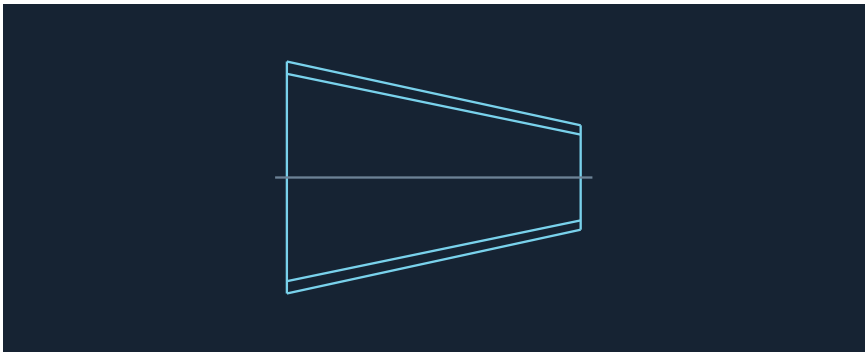
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

3/35

554 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
110976910	1 1/2 x 3/4	XXS	48	27	10.16	7.82	64	0.61
219128682	1 1/2 x 1	Schedule 30	48	33	3.18	2.9	64	--
145951430	1 1/2 x 1	STD	48	33	3.68	3.38	64	0.26
207517110	1 1/2 x 1	XS	48	33	5.08	4.55	64	0.35
134369058	1 1/2 x 1	XXS	48	33	10.16	9.09	64	0.61
220646647	1 1/2 x 1 1/4	Schedule 30	48	42	3.18	2.97	64	--
232661574	1 1/2 x 1 1/4	STD	48	42	3.68	3.56	64	0.26
78876165	1 1/2 x 1 1/4	XS	48	42	5.08	4.85	64	0.35
184341856	1 1/2 x 1 1/4	XXS	48	42	10.16	9.7	64	0.61
135524423	1 x 3/4	Schedule 30	33	27	2.9	2.41	51	--
7449711	1 x 3/4	STD	33	27	3.38	2.87	51	0.13
234405301	1 x 3/4	XS	33	27	4.55	3.91	51	0.16
128821011	1 x 3/4	XXS	33	27	9.09	7.82	51	0.28
244154712	2 1/2 x 1	Schedule 30	73	33	4.78	2.9	89	--
81226449	2 1/2 x 1	STD	73	33	5.16	3.38	89	0.77
214820389	2 1/2 x 1	XS	73	33	7.01	4.55	89	1.01

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

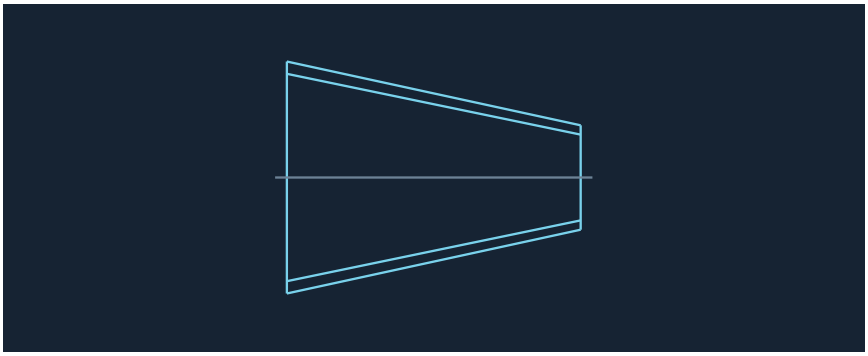
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

4/35

554 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
177628760	2 1/2 x 1	XXS	73	33	14.02	9.09	89	1.81
65748185	2 1/2 x 1 1/4	Schedule 30	73	42	4.78	2.97	89	--
89042966	2 1/2 x 1 1/4	STD	73	42	5.16	3.56	89	0.77
174715510	2 1/2 x 1 1/4	Schedule 40	73	42	5.16	3.56	89	0.77
214850358	2 1/2 x 1 1/4	Schedule 80	73	42	7.01	4.85	89	1.01
68836907	2 1/2 x 1 1/4	XS	73	42	7.01	4.85	89	1.01
71905460	2 1/2 x 1 1/4	XXS	73	42	14.02	9.7	89	1.81
111855625	2 1/2 x 1 1/2	Schedule 30	73	48	4.78	3.18	89	--
62079675	2 1/2 x 1 1/2	STD	73	48	5.16	3.68	89	0.77
143158177	2 1/2 x 1 1/2	XS	73	48	7.01	5.08	89	1.01
88046704	2 1/2 x 1 1/2	XXS	73	48	14.02	10.16	89	1.81
73986658	2 1/2 x 2	Schedule 30	73	60	4.78	3.18	89	--
240248185	2 1/2 x 2	STD	73	60	5.16	3.91	89	0.77
82527407	2 1/2 x 2	XS	73	60	7.01	5.54	89	1.01
111609383	2 1/2 x 2	XXS	73	60	14.02	11.07	89	1.81
97017194	2 x 3/4	Schedule 30	60	27	3.18	2.41	76	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

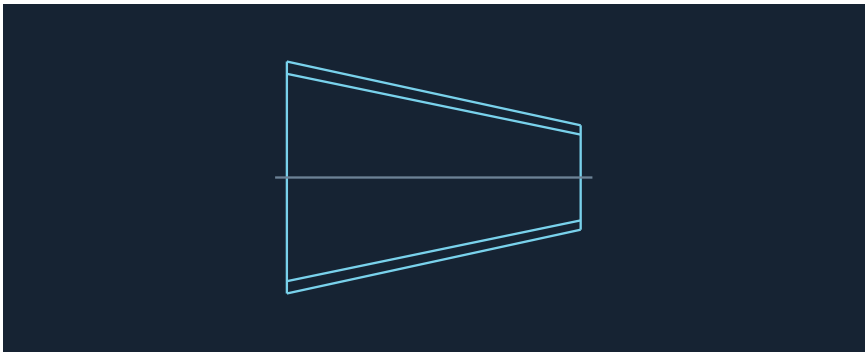
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

5/35

554 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
63842909	2 x 3/4	STD	60	27	3.91	2.87	76	0.41
132603658	2 x 3/4	XS	60	27	5.54	3.91	76	0.57
243608244	2 x 3/4	XXS	60	27	11.07	7.82	76	1.03
215009492	2 x 1	Schedule 30	60	33	3.18	2.9	76	--
2005600	2 x 1	STD	60	33	3.91	3.38	76	0.41
17110775	2 x 1	XS	60	33	5.54	4.55	76	0.57
193946130	2 x 1	XXS	60	33	11.07	9.09	76	1.03
74530222	2 x 1 1/4	Schedule 30	60	42	3.18	2.97	76	--
60580775	2 x 1 1/4	STD	60	42	3.91	3.56	76	0.41
10513423	2 x 1 1/4	XS	60	42	5.54	4.85	76	0.57
55762460	2 x 1 1/4	XXS	60	42	11.07	9.7	76	1.03
104913720	2 x 1 1/2	Schedule 30	60	48	3.18	3.18	76	--
257704584	2 x 1 1/2	STD	60	48	3.91	3.68	76	0.41
195159740	2 x 1 1/2	XS	60	48	5.54	5.08	76	0.57
216307597	2 x 1 1/2	XXS	60	48	11.07	10.16	76	1.03
72923217	3 1/2 x 1 1/4	Schedule 30	102	42	4.78	2.97	102	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

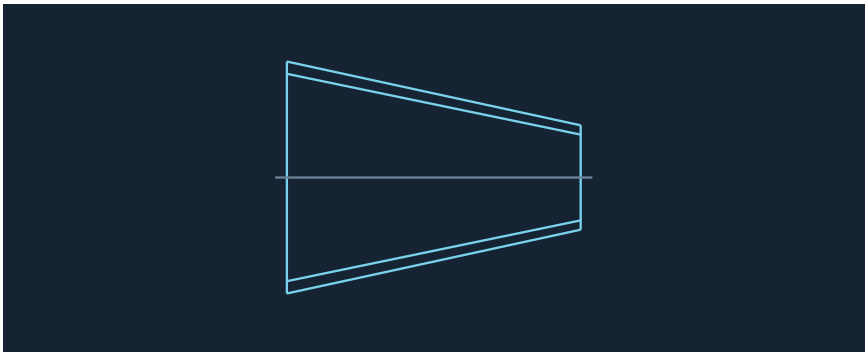
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

6/35

554 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
114908691	3 1/2 x 1 1/4	STD	102	42	5.74	3.56	102	1.4
155456108	3 1/2 x 1 1/4	XS	102	42	8.08	4.85	102	1.89
1750270	3 1/2 x 1 1/2	Schedule 30	102	48	4.78	3.18	102	--
45184447	3 1/2 x 1 1/2	STD	102	48	5.74	3.68	102	1.4
253496791	3 1/2 x 1 1/2	XS	102	48	8.08	5.08	102	1.89
177743186	3 1/2 x 2	Schedule 30	102	60	4.78	3.18	102	--
60282333	3 1/2 x 2	STD	102	60	5.74	3.91	102	1.4
11254731	3 1/2 x 2	XS	102	60	8.08	5.54	102	1.89
36326464	3 1/2 x 2 1/2	Schedule 30	102	73	4.78	4.78	102	--
67012970	3 1/2 x 2 1/2	STD	102	73	5.74	5.16	102	1.4
138513879	3 1/2 x 2 1/2	XS	102	73	8.08	7.01	102	1.89
69360516	3 1/2 x 3	Schedule 30	102	89	4.78	4.78	102	--
44241725	3 1/2 x 3	STD	102	89	5.74	5.49	102	1.4
204207069	3 1/2 x 3	XS	102	89	8.08	7.62	102	1.89
93774298	3 x 1 1/4	Schedule 30	89	42	4.78	2.97	89	--
201341509	3 x 1 1/4	STD	89	42	5.49	3.56	89	1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

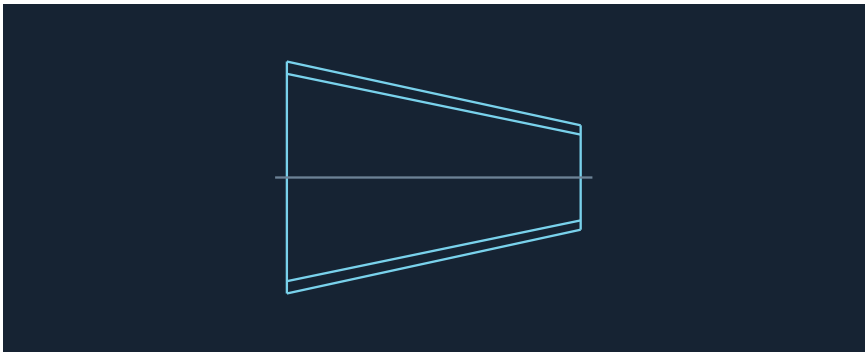
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

7/35

554 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
73326608	3 x 1 1/4	XS	89	42	7.62	4.85	89	1.36
168665489	3 x 1 1/4	XXS	89	42	15.24	9.7	89	2.47
89520267	3 x 1 1/2	Schedule 30	89	48	4.78	3.18	89	--
151767065	3 x 1 1/2	STD	89	48	5.49	3.68	89	1
252152843	3 x 1 1/2	XS	89	48	7.62	5.08	89	1.36
75938921	3 x 1 1/2	XXS	89	48	15.24	10.16	89	2.47
241988549	3 x 2	Schedule 30	89	60	4.78	3.18	89	--
221797661	3 x 2	STD	89	60	5.49	3.91	89	1
185375437	3 x 2	XS	89	60	7.62	5.54	89	1.36
166464248	3 x 2	XXS	89	60	15.24	11.07	89	2.47
16998056	3 x 2 1/2	Schedule 30	89	73	4.78	4.78	89	--
62271349	3 x 2 1/2	STD	89	73	5.49	5.16	89	1
110092421	3 x 2 1/2	XS	89	73	7.62	7.01	89	4.36
66398110	3 x 2 1/2	XXS	89	73	15.24	14.02	89	2.47
69009515	4 x 1 1/2	Schedule 30	114	48	4.78	3.18	102	--
170138362	4 x 1 1/2	STD	114	48	6.02	3.68	102	1.6

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

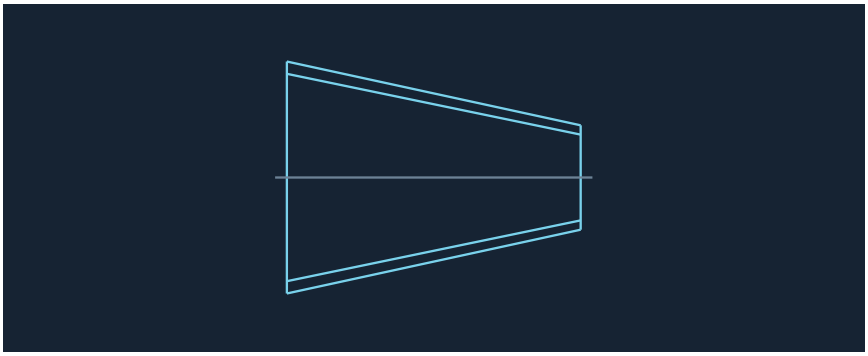
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

8/35

554 catalog variants / entries 113-128. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
120143655	4 x 1 1/2	XS	114	48	8.56	5.08	102	2.27
161808278	4 x 1 1/2	XXS	114	48	17.12	10.16	102	4.18
232129986	4 x 2	Schedule 30	114	60	4.78	3.18	102	--
6685948	4 x 2	STD	114	60	6.02	3.91	102	1.6
242749527	4 x 2	XS	114	60	8.56	5.54	102	2.27
80930039	4 x 2	XXS	114	60	17.12	11.07	102	4.18
218894105	4 x 2 1/2	Schedule 30	114	73	4.78	4.78	102	--
239875621	4 x 2 1/2	STD	114	73	6.02	5.16	102	1.6
191284659	4 x 2 1/2	XS	114	73	8.56	7.01	102	2.27
142107789	4 x 2 1/2	XXS	114	73	17.12	14.02	102	4.18
24430652	4 x 3	Schedule 30	114	89	4.78	4.78	102	--
62798856	4 x 3	STD	114	89	6.02	5.49	102	1.6
28508273	4 x 3	XS	114	89	8.56	7.62	102	2.27
253968845	4 x 3	XXS	114	89	17.12	15.24	102	4.18
192193983	4 x 3 1/2	Schedule 30	114	102	4.78	4.78	102	--
42683520	4 x 3 1/2	STD	114	102	6.02	5.74	102	1.6

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

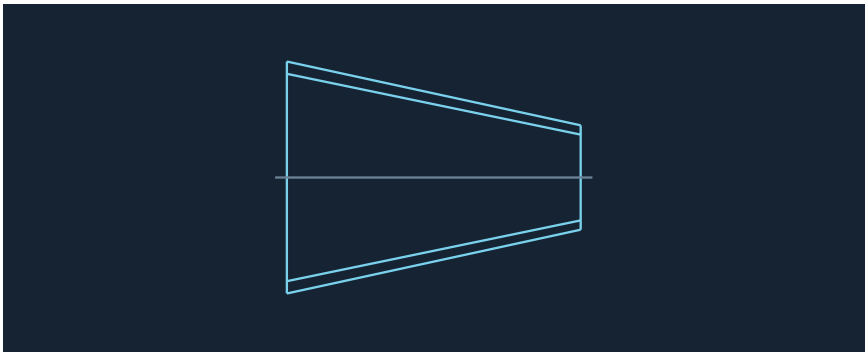
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

9/35

554 catalog variants / entries 129-144. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
88708550	4 x 3 1/2	Schedule 40	114	102	6.02	5.74	102	1.6
21165059	4 x 3 1/2	Schedule 80	114	102	8.56	8.08	102	2.27
191751285	4 x 3 1/2	XS	114	102	8.56	8.08	102	2.27
248977374	5 x 2	STD	141	60	6.55	3.91	127	2.8
182598777	5 x 2	Schedule 40	141	60	6.55	3.91	127	2.8
52672340	5 x 2	Schedule 80	141	60	9.52	5.54	127	3.93
44694987	5 x 2	XS	141	60	9.52	5.54	127	3.93
191580754	5 x 2	XXS	141	60	19.05	11.07	127	7.31
150972832	5 x 2 1/2	STD	141	73	6.35	5.16	127	2.8
205406439	5 x 2 1/2	XS	141	73	9.52	7.01	127	3.93
190217735	5 x 2 1/2	XXS	141	73	19.05	14.02	127	7.31
114071640	5 x 3	STD	141	89	6.55	5.49	127	2.8
104092955	5 x 3	XS	141	89	9.52	7.62	127	3.93
181359366	5 x 3	XXS	141	89	19.05	15.24	127	7.31
212565261	5 x 3 1/2	STD	141	102	6.55	5.74	127	2.8
38668911	5 x 3 1/2	XS	141	102	9.52	8.08	127	3.93

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

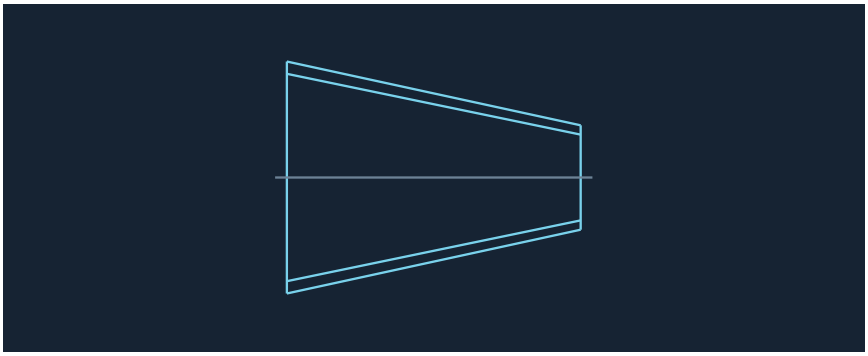
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

10/35

554 catalog variants / entries 145-160. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
163285882	5 x 4	STD	141	114	6.55	6.02	127	2.8
96083187	5 x 4	XS	141	114	9.52	8.56	127	3.93
25183177	5 x 4	Schedule 120	141	114	12.7	11.13	127	5.68
200472424	5 x 4	XXS	141	114	19.05	17.12	127	7.31
116115136	6 x 2 1/2	STD	168	73	7.11	5.16	140	3.9
141033772	6 x 2 1/2	XS	168	73	10.97	7.01	140	5.95
5960249	6 x 2 1/2	XXS	168	73	21.95	14.02	140	11.08
97475554	6 x 3	STD	168	89	7.11	5.49	140	3.9
175360215	6 x 3	XS	168	89	10.97	7.62	140	5.95
2064679	6 x 3	XXS	168	89	21.95	15.24	140	11.08
214296674	6 x 3 1/2	STD	168	102	7.11	5.74	140	3.9
22850839	6 x 3 1/2	XS	168	102	10.97	8.08	140	5.95
196115282	6 x 4	STD	168	114	7.11	6.02	140	3.9
105576330	6 x 4	XS	168	114	10.97	8.56	140	5.95
83566878	6 x 4	Schedule 120	168	114	14.27	11.13	140	7.58
188504619	6 x 4	XXS	168	114	21.95	17.12	140	11.08

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

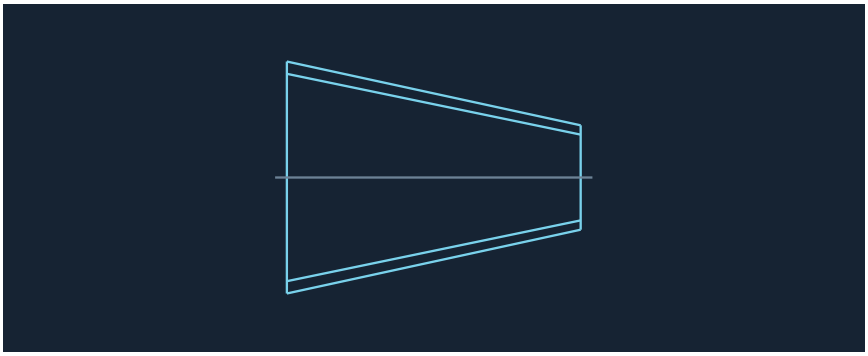
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

11/35

554 catalog variants / entries 161-176. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
210311389	6 x 5	STD	168	141	7.11	6.55	140	3.9
89754446	6 x 5	Schedule 40	168	141	7.11	6.55	140	3.9
47219895	6 x 5	Schedule 80	168	141	10.97	9.52	140	5.95
175281759	6 x 5	XS	168	141	10.97	9.52	140	5.95
169223245	6 x 5	Schedule 120	168	141	14.27	12.7	140	7.58
55088901	6 x 5	XXS	168	141	21.95	19.05	140	11.08
213818289	8 x 3 1/2	STD	219	102	8.18	5.74	152	6.5
108390509	8 x 3 1/2	Schedule 40	219	102	8.18	5.74	152	6.5
1359108	8 x 3 1/2	XS	219	102	12.7	8.08	152	9.86
41486460	8 x 4	STD	219	114	8.18	6.02	152	6.5
215037124	8 x 4	Schedule 80	219	114	12.7	8.56	152	9.86
114218491	8 x 4	XS	219	114	12.7	8.56	152	9.86
7582665	8 x 4	Schedule 120	219	114	18.26	11.13	152	13.7
188716984	8 x 4	XXS	219	114	22.23	17.12	152	16.43
107999642	8 x 5	STD	219	141	8.18	6.55	152	6.5
51757671	8 x 5	Schedule 80	219	141	12.7	9.52	152	9.86

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

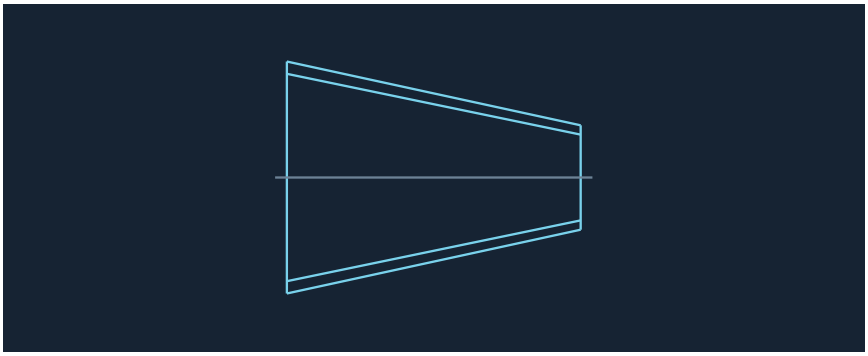
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

12/35

554 catalog variants / entries 177-192. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
127640085	8 x 5	XS	219	141	12.7	9.52	152	9.86
172093099	8 x 5	Schedule 120	219	141	18.26	12.7	152	13.7
23869806	8 x 5	XXS	219	141	22.23	19.05	152	17
155819487	8 x 6	STD	219	168	8.18	7.11	152	6.5
27040808	8 x 6	XS	219	168	12.7	10.97	152	9.86
172360262	8 x 6	Schedule 120	219	168	18.26	14.27	152	13.7
96779738	8 x 6	XXS	219	168	22.23	21.95	152	18
164766463	10 x 4	STD	273	114	9.27	6.02	178	10.7
260912766	10 x 4	XS	273	114	12.7	8.56	178	14.5
178064761	10 x 4	Schedule 80	273	114	15.09	8.56	178	17
5538392	10 x 4	Schedule 120	273	114	21.44	11.13	178	23.6
57895498	10 x 4	XXS	273	114	25.4	17.12	178	28
199952162	10 x 5	STD	273	141	9.27	6.55	178	10.7
136721416	10 x 5	XS	273	141	12.7	9.52	178	14.5
80454784	10 x 5	Schedule 80	273	141	15.09	9.52	178	17
152245872	10 x 5	Schedule 120	273	141	21.44	12.7	178	23.6

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

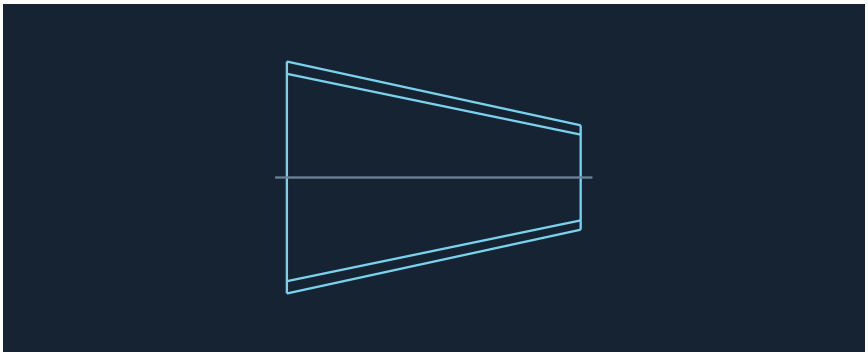
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

13/35

554 catalog variants / entries 193-208. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
78379521	10 x 5	XXS	273	141	25.4	19.05	178	28
243743328	10 x 6	STD	273	168	9.27	7.11	178	10.7
181581868	10 x 6	XS	273	168	12.7	10.97	178	14.5
44743702	10 x 6	Schedule 80	273	168	15.09	10.97	178	17
253633951	10 x 6	Schedule 120	273	168	21.44	14.27	178	23.6
98440544	10 x 6	XXS	273	168	25.4	21.95	178	29
79983084	10 x 8	Schedule 20	273	219	6.35	6.35	178	7.5
105129297	10 x 8	Schedule 30	273	219	7.8	7.03	178	9
72973977	10 x 8	STD	273	219	9.27	8.18	178	10.7
169306456	10 x 8	Schedule 40	273	219	9.27	8.18	178	10.7
102606949	10 x 8	Schedule 60	273	219	12.7	10.31	178	14.5
114120537	10 x 8	XS	273	219	12.7	12.7	178	14.5
261736851	10 x 8	Schedule 80	273	219	15.09	12.7	178	17
37094000	10 x 8	Schedule 100	273	219	18.26	15.09	178	20.4
49596377	10 x 8	Schedule 120	273	219	21.44	18.26	178	23.6
145683538	10 x 8	XXS	273	219	25.4	22.23	178	29

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

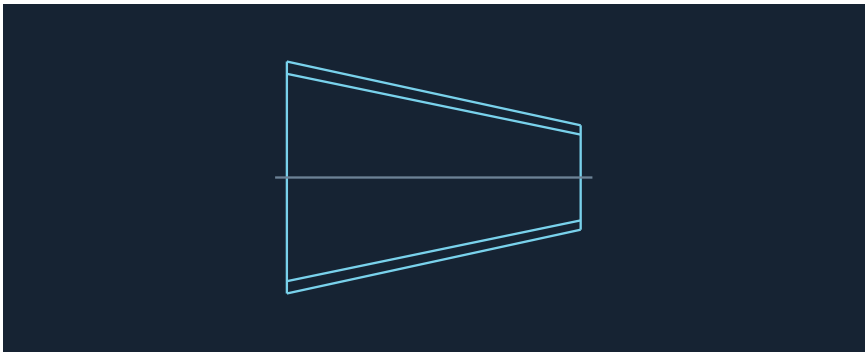
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

14/35

554 catalog variants / entries 209-224. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
80117412	12 x 5	STD	324	141	9.52	6.55	203	15
88963556	12 x 5	Schedule 40	324	141	10.31	6.55	203	16.3
104654343	12 x 5	XS	324	141	12.7	9.52	203	19.8
182182260	12 x 5	Schedule 80	324	141	17.48	9.52	203	26.8
254947931	12 x 5	Schedule 120	324	141	25.4	12.7	203	38
148718783	12 x 6	STD	324	168	9.52	7.11	203	15
242085719	12 x 6	Schedule 40	324	168	10.31	7.11	203	16.3
268328140	12 x 6	XS	324	168	12.7	10.97	203	19.8
145217384	12 x 6	Schedule 80	324	168	17.48	10.97	203	26.8
221710665	12 x 6	Schedule 120	324	168	25.4	14.27	203	38
95987532	12 x 8	Schedule 20	324	219	6.35	6.35	203	10.16
18355453	12 x 8	Schedule 30	324	219	8.38	7.03	203	13.2
167465361	12 x 8	STD	324	219	9.52	8.18	203	15
137118103	12 x 8	Schedule 40	324	219	10.31	8.18	203	16.3
58753885	12 x 8	XS	324	219	12.7	12.7	203	19.8
5939044	12 x 8	Schedule 60	324	219	14.27	10.31	203	22.2

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

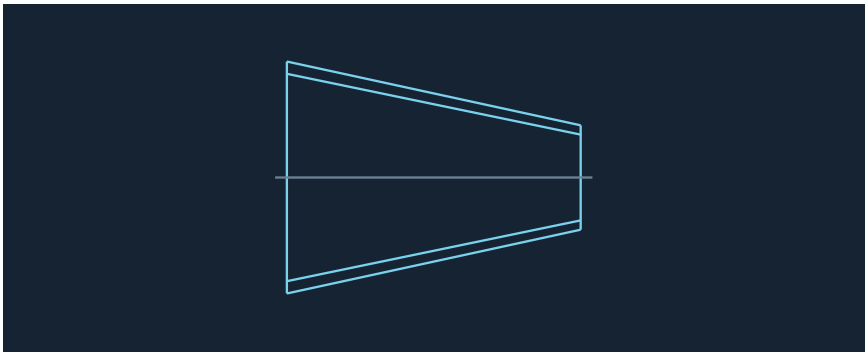
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

15/35

554 catalog variants / entries 225-240. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
171298493	12 x 8	Schedule 80	324	219	17.48	12.7	203	26.8
59336006	12 x 8	Schedule 100	324	219	21.44	15.09	203	32.4
164778797	12 x 8	Schedule 120	324	219	25.4	18.26	203	38
168016651	12 x 8	XXS	324	219	25.4	22.23	203	40
235514413	12 x 10	Schedule 20	324	273	6.35	6.35	203	10.16
183671158	12 x 10	Schedule 30	324	273	8.38	7.8	203	13.2
53756277	12 x 10	STD	324	273	9.52	9.27	203	15
222400831	12 x 10	Schedule 40	324	273	10.31	9.27	203	16.3
105985948	12 x 10	XS	324	273	12.7	12.7	203	19.8
31314537	12 x 10	Schedule 60	324	273	14.27	12.7	203	22.2
244153676	12 x 10	Schedule 80	324	273	17.48	15.09	203	26.8
250487234	12 x 10	Schedule 100	324	273	21.44	18.26	203	32.4
83499860	12 x 10	Schedule 120	324	273	25.4	21.44	203	38
240716862	12 x 10	XXS	324	273	25.4	25.4	203	42
36461307	14 x 6	STD	356	168	9.52	7.11	330	26.9
168399604	14 x 6	Schedule 40	356	168	11.13	7.11	330	31.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

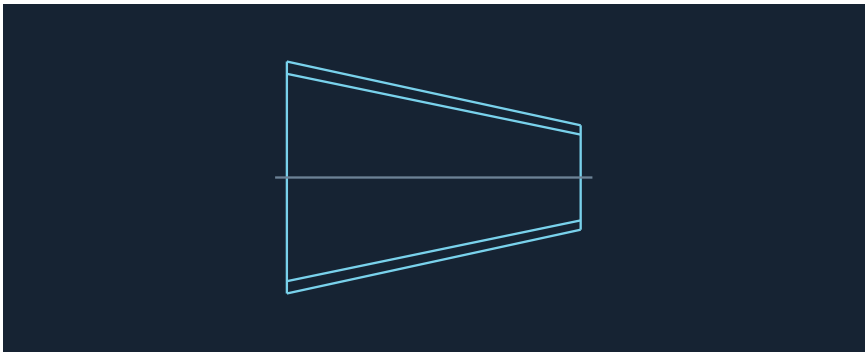
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

16/35

554 catalog variants / entries 241-256. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
131250104	14 x 6	XS	356	168	12.7	10.97	330	35.5
236327612	14 x 6	Schedule 80	356	168	19.05	10.97	330	52.2
22385426	14 x 6	Schedule 120	356	168	27.79	14.27	330	73
245356905	14 x 8	Schedule 20	356	219	7.92	6.35	330	22.6
85936423	14 x 8	Schedule 30	356	219	9.52	7.03	330	26.8
257602080	14 x 8	STD	356	219	9.52	8.18	330	26.9
235470450	14 x 8	Schedule 40	356	219	11.13	8.18	330	31.1
150536161	14 x 8	XS	356	219	12.7	12.7	330	35.5
12785204	14 x 8	Schedule 60	356	219	15.09	10.31	330	42
266734093	14 x 8	Schedule 80	356	219	19.05	12.7	330	52.2
125306817	14 x 8	Schedule 100	356	219	23.83	15.09	330	64
232295761	14 x 8	Schedule 120	356	219	27.79	18.26	330	73
255486439	14 x 10	Schedule 20	356	273	7.92	6.35	330	22.6
222296097	14 x 10	Schedule 30	356	273	9.52	7.8	330	26.8
190355959	14 x 10	STD	356	273	9.52	9.27	330	26.9
48713859	14 x 10	Schedule 40	356	273	11.13	9.27	330	31.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

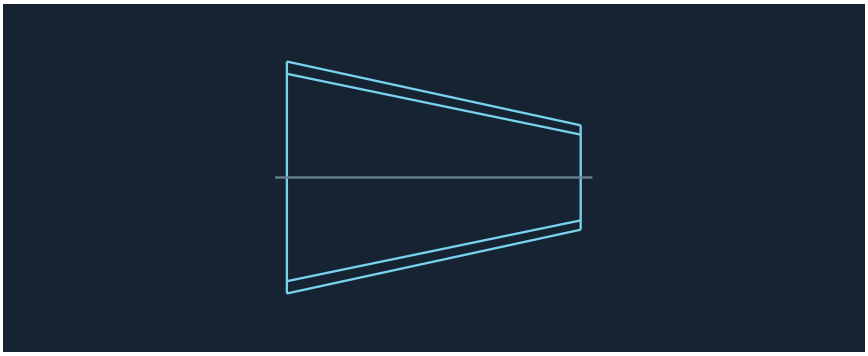
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

17/35

554 catalog variants / entries 257-272. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
77416575	14 x 10	XS	356	273	12.7	12.7	330	35.5
199810831	14 x 10	Schedule 60	356	273	15.09	12.7	330	42
229696362	14 x 10	Schedule 80	356	273	19.05	15.09	330	52.2
43001494	14 x 10	Schedule 100	356	273	23.83	18.26	330	64
52003297	14 x 10	Schedule 120	356	273	27.79	21.44	330	73
254128215	14 x 12	Schedule 20	356	324	7.92	6.35	330	22.6
161495456	14 x 12	Schedule 30	356	324	9.52	8.38	330	26.8
74761919	14 x 12	STD	356	324	9.52	9.52	330	26.9
120959315	14 x 12	Schedule 40	356	324	11.13	10.31	330	31.1
136091061	14 x 12	XS	356	324	12.7	12.7	330	35.5
749600	14 x 12	Schedule 60	356	324	15.09	14.27	330	42
9578737	14 x 12	Schedule 80	356	324	19.05	17.48	330	52.2
2247669	14 x 12	Schedule 100	356	324	23.83	21.44	330	64
169852952	14 x 12	Schedule 120	356	324	27.79	25.4	330	73
109483418	16 x 8	Schedule 20	406	219	7.92	6.35	356	27.9
116631322	16 x 8	Schedule 30	406	219	9.52	7.03	356	33.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

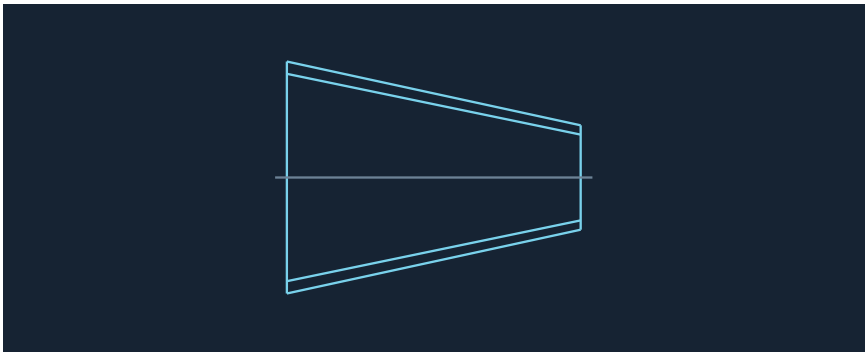
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

18/35

554 catalog variants / entries 273-288. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
84152009	16 x 8	STD	406	219	9.52	8.18	356	33
13187265	16 x 8	Schedule 40	406	219	12.7	8.18	356	43.8
109655503	16 x 8	XS	406	219	12.7	12.7	356	44
189579161	16 x 8	Schedule 60	406	219	16.66	10.31	356	57
196791290	16 x 8	Schedule 80	406	219	21.44	12.7	356	72.2
16437385	16 x 8	Schedule 100	406	219	26.19	15.09	356	83
192008308	16 x 8	Schedule 120	406	219	30.96	18.26	356	97
258289468	16 x 10	Schedule 20	406	273	7.92	6.35	356	27.9
177206660	16 x 10	Schedule 30	406	273	9.52	7.8	356	33.1
22321697	16 x 10	STD	406	273	9.52	9.27	356	33
35502678	16 x 10	Schedule 40	406	273	12.7	9.27	356	43.8
165541899	16 x 10	XS	406	273	12.7	12.7	356	44
121671768	16 x 10	Schedule 60	406	273	16.66	12.7	356	57
214803510	16 x 10	Schedule 80	406	273	21.44	15.09	356	72.2
99609612	16 x 10	Schedule 100	406	273	26.19	18.26	356	83
199372785	16 x 10	Schedule 120	406	273	30.96	21.44	356	97

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

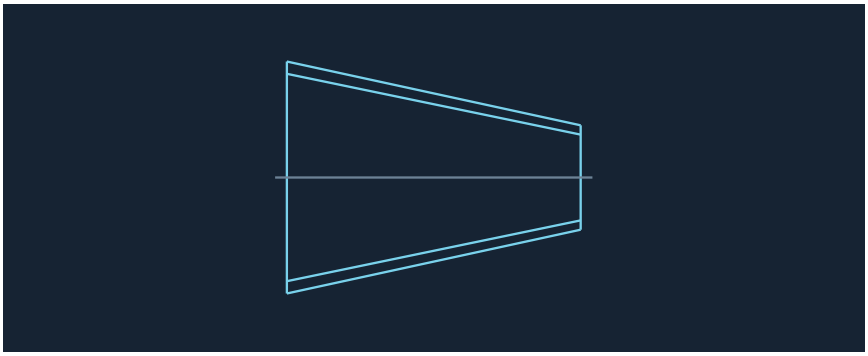
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

19/35

554 catalog variants / entries 289-304. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
142433192	16 x 12	Schedule 20	406	324	7.92	6.35	356	27.9
194667149	16 x 12	Schedule 30	406	324	9.52	8.38	356	33.1
55090143	16 x 12	STD	406	324	9.52	9.52	356	33
177568803	16 x 12	Schedule 40	406	324	12.7	10.31	356	43.8
46471310	16 x 12	XS	406	324	12.7	12.7	356	44
68711952	16 x 12	Schedule 60	406	324	16.66	14.27	356	57
146265072	16 x 12	Schedule 80	406	324	21.44	17.48	356	72.2
85448841	16 x 12	Schedule 100	406	324	26.19	21.44	356	83
159499462	16 x 12	Schedule 120	406	324	30.96	25.4	356	97
106330591	16 x 14	Schedule 20	406	356	7.92	7.92	356	27.9
141181033	16 x 14	STD	406	356	9.52	9.52	356	33
157051139	16 x 14	Schedule 30	406	356	9.52	9.52	356	33.1
85788686	16 x 14	Schedule 40	406	356	12.7	11.13	356	43.8
70056277	16 x 14	XS	406	356	12.7	12.7	356	44
31948904	16 x 14	Schedule 60	406	356	16.66	15.09	356	57
100246448	16 x 14	Schedule 80	406	356	21.44	19.05	356	72.2

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

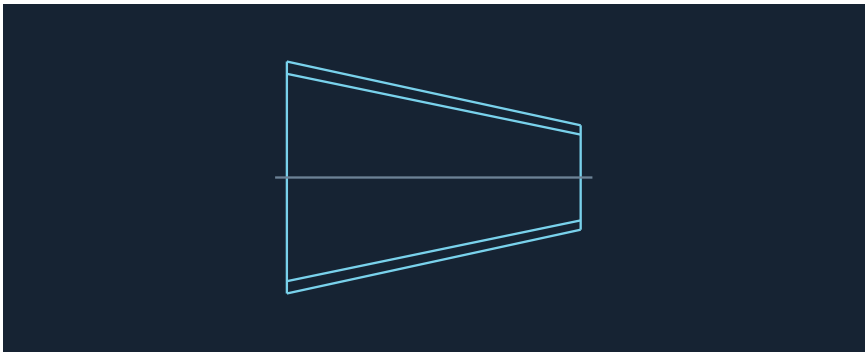
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

20/35

554 catalog variants / entries 305-320. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
6757254	16 x 14	Schedule 100	406	356	26.19	23.83	356	83
91358373	16 x 14	Schedule 120	406	356	30.9	27.79	356	97
225130239	18 x 10	Schedule 20	457	273	7.92	6.35	381	33.3
112199947	18 x 10	STD	457	273	9.52	9.27	381	40
110878529	18 x 10	Schedule 30	457	273	11.13	7.8	381	48
145421639	18 x 10	XS	457	273	12.7	12.7	381	53
256774644	18 x 10	Schedule 40	457	273	14.27	9.27	381	59
124682835	18 x 10	Schedule 60	457	273	19.05	12.7	381	79
132845616	18 x 10	Schedule 80	457	273	23.83	15.09	381	96.7
127576917	18 x 10	Schedule 100	457	273	29.36	18.26	381	116
164531665	18 x 10	Schedule 120	457	273	34.93	21.44	381	136
99214626	18 x 12	Schedule 20	457	324	7.92	6.35	381	33.3
53244826	18 x 12	STD	457	324	9.52	9.52	381	40
198066970	18 x 12	Schedule 30	457	324	11.13	8.38	381	48
190509241	18 x 12	XS	457	324	12.7	12.7	381	53
74300356	18 x 12	Schedule 40	457	324	14.27	10.31	381	59

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

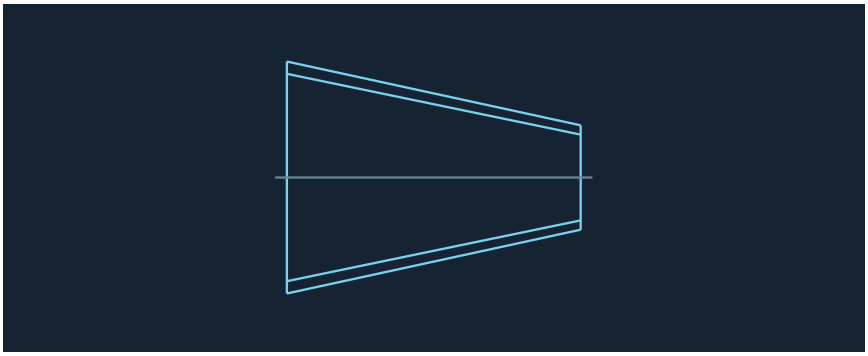
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

21/35

554 catalog variants / entries 321-336. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
210414902	18 x 12	Schedule 60	457	324	19.05	14.27	381	79
40581381	18 x 12	Schedule 80	457	324	23.83	17.48	381	96.7
57026466	18 x 12	Schedule 100	457	324	29.36	21.44	381	116
169044414	18 x 12	Schedule 120	457	324	34.93	25.4	381	136
110980961	18 x 14	Schedule 10	457	356	6.35	6.35	381	34
182120589	18 x 14	Schedule 20	457	356	7.92	7.92	381	33.3
245447435	18 x 14	STD	457	356	9.52	9.52	381	40
122439613	18 x 14	Schedule 30	457	356	11.13	9.52	381	48
226215104	18 x 14	XS	457	356	12.7	12.7	381	53
204512186	18 x 14	Schedule 40	457	356	14.27	11.13	381	59
145940780	18 x 14	Schedule 60	457	356	19.05	15.09	381	79
116991386	18 x 14	Schedule 80	457	356	23.83	19.05	381	96.7
157754799	18 x 14	Schedule 100	457	356	29.36	23.83	381	116
28527343	18 x 14	Schedule 120	457	356	34.93	27.79	381	136
171960517	18 x 16	Schedule 10	457	406	6.35	6.35	381	34
182964372	18 x 16	Schedule 20	457	406	7.92	7.92	381	33.3

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

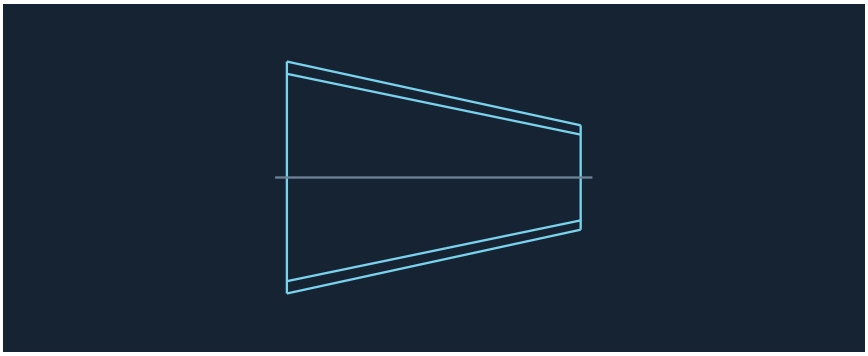
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

22/35

554 catalog variants / entries 337-352. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
83255043	18 x 16	STD	457	406	9.52	9.52	381	40
87229275	18 x 16	Schedule 30	457	406	11.13	9.52	381	48
145077250	18 x 16	XS	457	406	12.7	12.7	381	53
181111106	18 x 16	Schedule 40	457	406	14.27	12.7	381	59
43744510	18 x 16	Schedule 60	457	406	19.05	16.66	381	79
223592376	18 x 16	Schedule 80	457	406	23.83	21.44	381	96.7
201178335	18 x 16	Schedule 100	457	406	29.36	26.19	381	116
214402679	18 x 16	Schedule 120	457	406	34.93	30.96	381	136
52816884	20 x 12	Schedule 20	508	324	9.52	6.35	508	58
164684988	20 x 12	STD	508	324	9.52	9.52	508	59
17276035	20 x 12	Schedule 30	508	324	12.7	8.38	508	79
207343595	20 x 12	XS	508	324	12.7	12.7	508	79
172312474	20 x 12	Schedule 40	508	324	15.09	10.31	508	93
233907619	20 x 12	Schedule 60	508	324	20.62	14.27	508	126
236978355	20 x 12	Schedule 80	508	324	26.18	17.48	508	158
81337952	20 x 12	Schedule 100	508	324	32.54	21.44	508	163

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

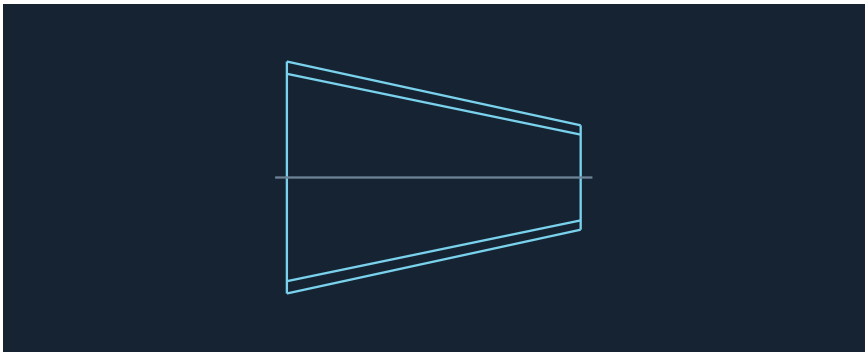
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

23/35

554 catalog variants / entries 353-368. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
206952635	20 x 12	Schedule 120	508	324	38.1	25.4	508	178
196052529	20 x 14	Schedule 10	508	356	6.35	6.35	508	50
98224582	20 x 14	Schedule 20	508	356	9.52	7.92	508	58
172573039	20 x 14	STD	508	356	9.52	9.52	508	59
262100059	20 x 14	Schedule 30	508	356	12.7	9.52	508	79
40030985	20 x 14	XS	508	356	12.7	12.7	508	79
192531286	20 x 14	Schedule 40	508	356	15.09	11.13	508	93
247008191	20 x 14	Schedule 60	508	356	20.62	15.09	508	126
11294608	20 x 14	Schedule 80	508	356	26.18	19.05	508	158
19341748	20 x 14	Schedule 100	508	356	32.54	23.83	508	163
226398948	20 x 14	Schedule 120	508	356	38.1	27.79	508	178
62653880	20 x 16	Schedule 10	508	406	6.35	6.35	508	50
185317614	20 x 16	Schedule 20	508	406	9.52	7.92	508	58
139147417	20 x 16	STD	508	406	9.52	9.52	508	59
55586120	20 x 16	Schedule 30	508	406	12.7	9.52	508	79
267894493	20 x 16	XS	508	406	12.7	12.7	508	79

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

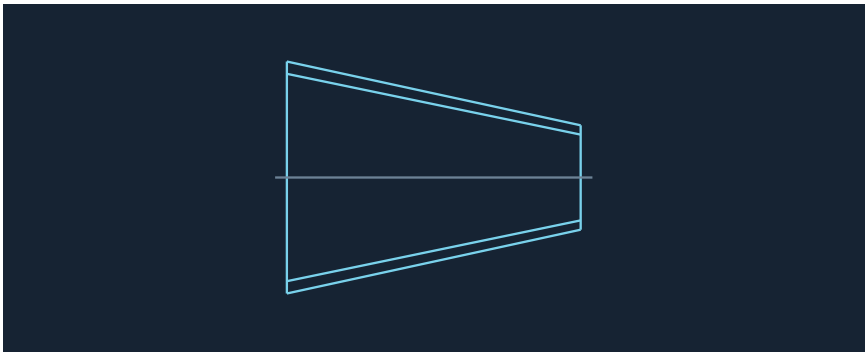
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

24/35

554 catalog variants / entries 369-384. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
29749153	20 x 16	Schedule 40	508	406	15.09	12.7	508	93
249207196	20 x 16	Schedule 60	508	406	20.62	16.66	508	126
60122702	20 x 16	Schedule 80	508	406	26.18	21.44	508	158
26542134	20 x 16	Schedule 100	508	406	32.54	26.19	508	163
176442209	20 x 16	Schedule 120	508	406	38.1	30.96	508	178
38808586	20 x 18	Schedule 10	508	457	6.35	6.35	508	50
166652884	20 x 18	Schedule 20	508	457	9.52	7.92	508	58
169621331	20 x 18	STD	508	457	9.52	9.52	508	59
180891354	20 x 18	Schedule 30	508	457	12.7	11.13	508	79
263734638	20 x 18	XS	508	457	12.7	12.7	508	79
241611358	20 x 18	Schedule 40	508	457	15.09	14.27	508	93
72782047	20 x 18	Schedule 60	508	457	20.62	19.05	508	126
164297577	20 x 18	Schedule 80	508	457	26.18	23.83	508	158
191422650	20 x 18	Schedule 100	508	457	32.54	29.36	508	163
115749348	20 x 18	Schedule 120	508	457	38.1	34.93	508	178
61527021	22 x 14	Schedule 10	559	356	6.35	6.35	508	57

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

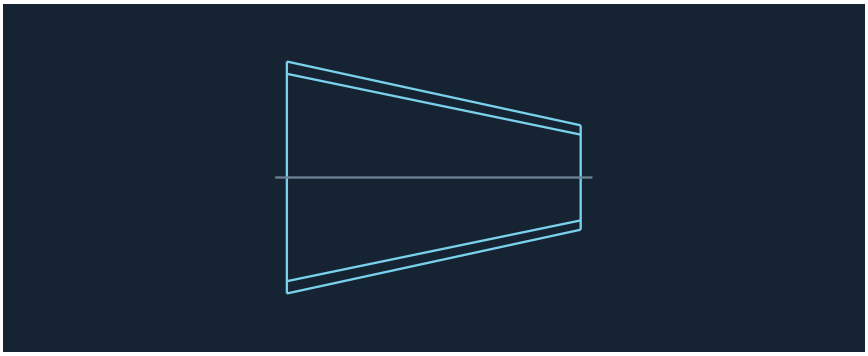
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

25/35

554 catalog variants / entries 385-400. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
82702191	22 x 14	Schedule 20	559	356	9.52	7.92	508	61
249831081	22 x 14	STD	559	356	9.52	9.52	508	65
90923693	22 x 14	Schedule 30	559	356	12.7	9.52	508	92
112225103	22 x 14	XS	559	356	12.7	12.7	508	87
55163072	22 x 14	Schedule 60	559	356	22.22	15.09	508	150
116952975	22 x 14	Schedule 80	559	356	28.58	19.05	508	188
119476360	22 x 14	Schedule 100	559	356	34.92	23.83	508	201
83130961	22 x 14	Schedule 120	559	356	41.27	27.79	508	233
243567544	22 x 16	Schedule 10	559	406	6.35	6.35	508	57
83970046	22 x 16	Schedule 20	559	406	9.52	7.92	508	61
262508433	22 x 16	STD	559	406	9.52	9.52	508	65
237564543	22 x 16	Schedule 30	559	406	12.7	9.52	508	92
84397051	22 x 16	XS	559	406	12.7	12.7	508	87
41329348	22 x 16	Schedule 60	559	406	22.22	16.66	508	150
128202356	22 x 16	Schedule 80	559	406	28.58	21.44	508	188
209328447	22 x 16	Schedule 100	559	406	34.92	26.19	508	201

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

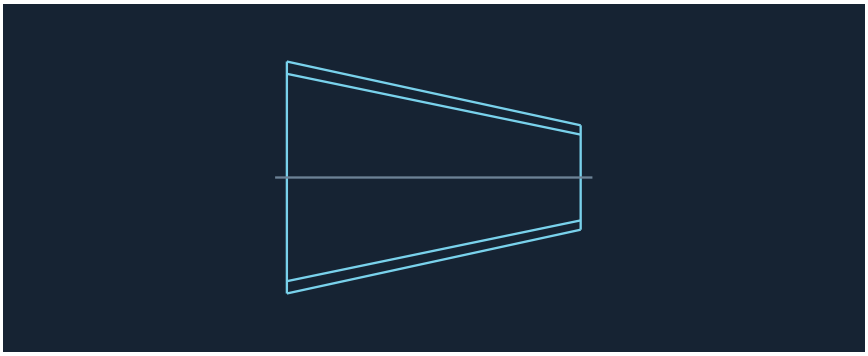
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

26/35

554 catalog variants / entries 401-416. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
50507525	22 x 16	Schedule 120	559	406	41.27	30.96	508	233
118767531	22 x 18	Schedule 10	559	457	6.35	6.35	508	57
62222187	22 x 18	Schedule 20	559	457	9.52	7.92	508	61
64951056	22 x 18	STD	559	457	9.52	9.52	508	65
224934484	22 x 18	Schedule 30	559	457	12.7	11.13	508	92
222323891	22 x 18	XS	559	457	12.7	12.7	508	87
226106241	22 x 18	Schedule 60	559	457	22.22	19.05	508	150
212734584	22 x 18	Schedule 80	559	457	28.58	23.83	508	188
105397220	22 x 18	Schedule 100	559	457	34.92	29.36	508	201
129785633	22 x 18	Schedule 120	559	457	41.27	34.93	508	233
78399182	22 x 20	Schedule 10	559	508	6.35	6.35	508	57
163370536	22 x 20	STD	559	508	9.52	9.52	508	65
260382968	22 x 20	Schedule 20	559	508	9.52	9.52	508	61
43832431	22 x 20	Schedule 30	559	508	12.7	12.7	508	92
10502763	22 x 20	XS	559	508	12.7	12.7	508	87
265661596	22 x 20	Schedule 60	559	508	22.22	20.62	508	150

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

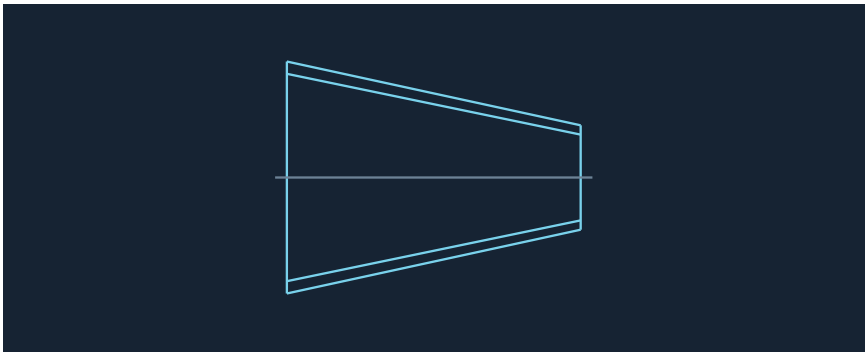
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

27/35

554 catalog variants / entries 417-432. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
161061073	22 x 20	Schedule 80	559	508	28.58	26.18	508	188
253071312	22 x 20	Schedule 100	559	508	34.92	32.54	508	201
190104277	22 x 20	Schedule 120	559	508	41.27	38.1	508	233
87637541	24 x 16	Schedule 10	610	406	6.35	6.35	508	63
235125896	24 x 16	Schedule 20	610	406	9.52	7.92	508	72
51748087	24 x 16	STD	610	406	9.52	9.52	508	72
72155767	24 x 16	XS	610	406	12.7	12.7	508	95
56599051	24 x 16	Schedule 30	610	406	14.27	9.52	508	107
35929130	24 x 16	Schedule 40	610	406	17.48	12.7	508	129
66439122	24 x 16	Schedule 60	610	406	24.61	16.66	508	180
157446306	24 x 16	Schedule 80	610	406	30.96	21.44	508	228
180476471	24 x 16	Schedule 100	610	406	38.89	26.19	508	241
25299013	24 x 16	Schedule 120	610	406	46.02	30.96	508	295
88728426	24 x 18	Schedule 10	610	457	6.35	6.35	508	63
94921551	24 x 18	Schedule 20	610	457	9.52	7.92	508	72
72252269	24 x 18	STD	610	457	9.52	9.52	508	72

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

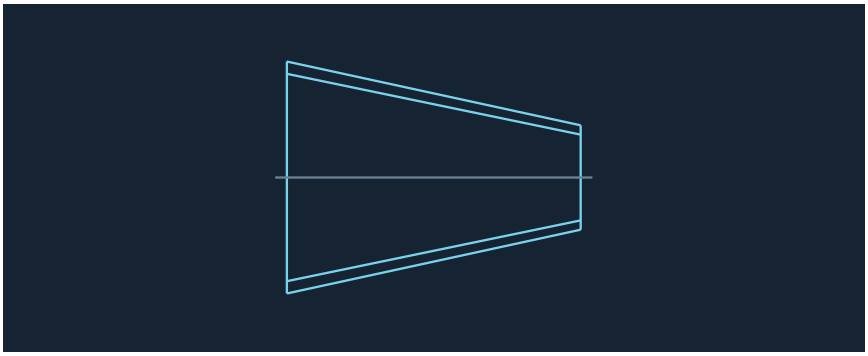
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

28/35

554 catalog variants / entries 433-448. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
39216168	24 x 18	XS	610	457	12.7	12.7	508	95
236988060	24 x 18	Schedule 30	610	457	14.27	11.13	508	107
162140685	24 x 18	Schedule 40	610	457	17.48	14.27	508	129
189785558	24 x 18	Schedule 60	610	457	24.61	19.05	508	180
19150753	24 x 18	Schedule 80	610	457	30.96	23.83	508	228
23033436	24 x 18	Schedule 100	610	457	38.89	29.36	508	241
92681827	24 x 18	Schedule 120	610	457	46.02	34.93	508	295
217914105	24 x 20	Schedule 10	610	508	6.35	6.35	508	63
212999877	24 x 20	STD	610	508	9.52	9.52	508	72
1771960	24 x 20	Schedule 20	610	508	9.52	9.52	508	72
170159901	24 x 20	XS	610	508	12.7	12.7	508	95
114634031	24 x 20	Schedule 30	610	508	14.27	12.7	508	107
88354641	24 x 20	Schedule 40	610	508	17.48	15.09	508	129
130798594	24 x 20	Schedule 60	610	508	24.61	20.62	508	180
222173890	24 x 20	Schedule 80	610	508	30.96	26.18	508	228
102175783	24 x 20	Schedule 100	610	508	38.89	32.54	508	241

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

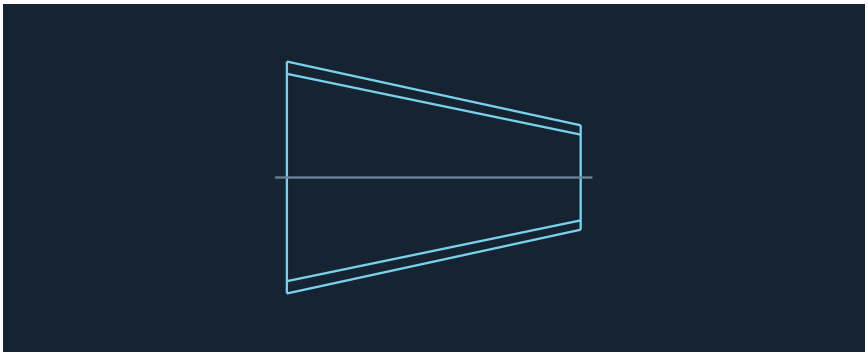
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

29/35

554 catalog variants / entries 449-464. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
1764424	24 x 20	Schedule 120	610	508	46.02	38.1	508	295
8941806	24 x 22	Schedule 10	610	559	6.35	6.35	508	63
167039385	24 x 22	STD	610	559	9.52	9.52	508	72
115062515	24 x 22	Schedule 20	610	559	9.52	9.52	508	72
138062892	24 x 22	XS	610	559	12.7	12.7	508	95
261747239	24 x 22	Schedule 30	610	559	14.27	12.7	508	107
156600003	24 x 22	Schedule 60	610	559	24.61	22.22	508	180
59175702	24 x 22	Schedule 80	610	559	30.96	28.58	508	228
54571263	24 x 22	Schedule 100	610	559	38.89	34.92	508	241
204047280	24 x 22	Schedule 120	610	559	46.02	41.27	508	295
152962789	26 x 18	Schedule 10	660	457	7.92	6.35	610	75
58844341	26 x 18	STD	660	457	9.52	9.52	610	91
26884219	26 x 18	Schedule 20	660	457	12.7	9.52	610	123
109106916	26 x 18	XS	660	457	12.7	12.7	610	115
165324680	26 x 20	Schedule 10	660	508	7.92	6.35	610	75
126678340	26 x 20	STD	660	508	9.52	9.52	610	91

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

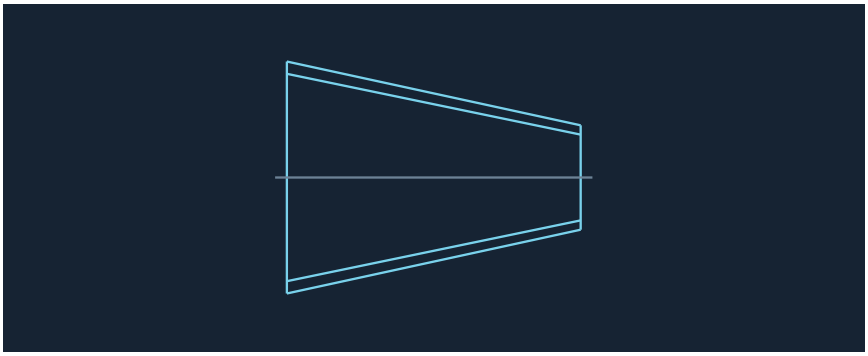
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

30/35

554 catalog variants / entries 465-480. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
121504714	26 x 20	Schedule 20	660	508	12.7	9.52	610	123
174534793	26 x 20	XS	660	508	12.7	12.7	610	115
9012929	26 x 22	Schedule 10	660	559	7.92	6.35	610	75
8448683	26 x 22	STD	660	559	9.52	9.52	610	91
33397435	26 x 22	Schedule 20	660	559	12.7	9.52	610	123
26859595	26 x 22	XS	660	559	12.7	12.7	610	125
10782960	26 x 24	Schedule 10	660	610	7.92	6.35	610	75
124700647	26 x 24	STD	660	610	9.52	9.52	610	91
126191446	26 x 24	Schedule 20	660	610	12.7	9.52	610	123
54277835	26 x 24	XS	660	610	12.7	12.7	610	125
121924927	28 x 18	Schedule 10	711	457	7.92	6.35	610	79
213870215	28 x 18	STD	711	457	9.52	9.52	610	95
234305330	28 x 18	Schedule 20	711	457	12.7	7.92	610	131
40663424	28 x 18	XS	711	457	12.7	12.7	610	132
53897398	28 x 18	Schedule 30	711	457	15.88	11.13	610	166
220479046	28 x 20	Schedule 10	711	508	7.92	6.35	610	79

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

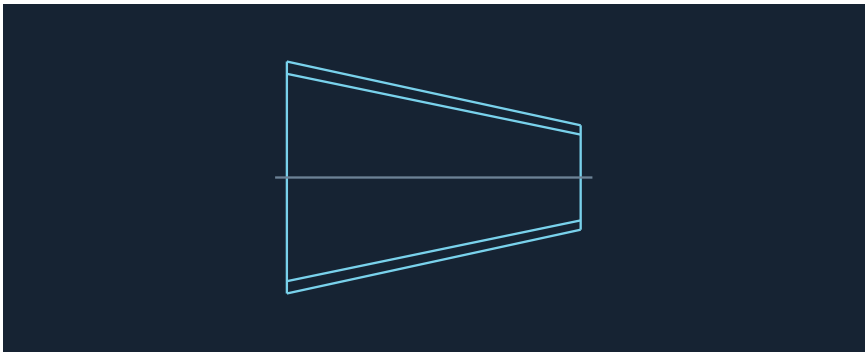
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

31/35

554 catalog variants / entries 481-496. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
74079297	28 x 20	STD	711	508	9.52	9.52	610	95
194023858	28 x 20	Schedule 20	711	508	12.7	9.52	610	131
249013245	28 x 20	XS	711	508	12.7	12.7	610	132
238128149	28 x 20	Schedule 30	711	508	15.88	12.7	610	166
190671279	28 x 24	Schedule 10	711	610	7.92	6.35	610	79
59815761	28 x 24	STD	711	610	9.52	9.52	610	95
187561103	28 x 24	Schedule 20	711	610	12.7	9.52	610	131
217577688	28 x 24	XS	711	610	12.7	12.7	610	132
240478336	28 x 24	Schedule 30	711	610	15.88	14.27	610	166
268258926	28 x 26	Schedule 10	711	660	7.92	7.92	610	79
166679122	28 x 26	STD	711	660	9.52	9.52	610	95
259496695	28 x 26	Schedule 20	711	660	12.7	12.7	610	131
31098322	28 x 26	XS	711	660	12.7	12.7	610	132
174687092	30 x 20	Schedule 10	762	508	7.92	6.35	610	83
201981316	30 x 20	STD	762	508	9.52	9.52	610	100
62632729	30 x 20	Schedule 20	762	508	12.7	9.52	610	142

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

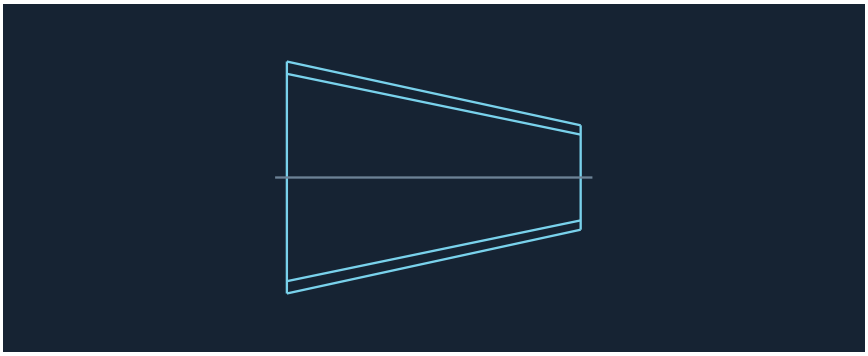
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

32/35

554 catalog variants / entries 497-512. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
260144570	30 x 20	XS	762	508	12.7	12.7	610	143
216254127	30 x 20	Schedule 30	762	508	15.88	12.7	610	178
61597359	30 x 24	Schedule 10	762	610	7.92	6.35	610	83
67646897	30 x 24	STD	762	610	9.52	9.52	610	100
143729186	30 x 24	Schedule 20	762	610	12.7	9.52	610	142
160262271	30 x 24	XS	762	610	12.7	12.7	610	143
182734867	30 x 24	Schedule 30	762	610	15.88	14.27	610	178
181678031	30 x 26	Schedule 10	762	660	7.92	7.92	610	83
218234816	30 x 26	STD	762	660	9.52	9.52	610	100
96896005	30 x 26	Schedule 20	762	660	12.7	12.7	610	142
39787330	30 x 26	XS	762	660	12.7	12.7	610	143
240128947	30 x 28	Schedule 10	762	711	7.92	7.92	610	83
217699827	30 x 28	STD	762	711	9.52	9.52	610	100
265808752	30 x 28	Schedule 20	762	711	12.7	12.7	610	142
35829621	30 x 28	XS	762	711	12.7	12.7	610	143
135252431	30 x 28	Schedule 30	762	711	15.88	15.88	610	178

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

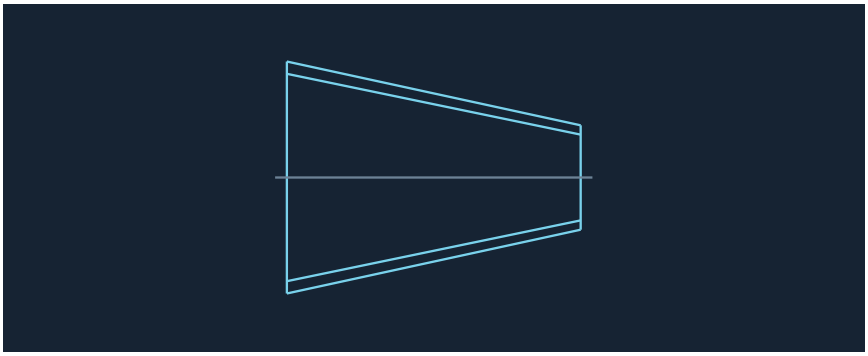
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

33/35

554 catalog variants / entries 513-528. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
174938639	32 x 24	Schedule 10	813	610	7.92	6.35	610	96
204103191	32 x 24	STD	813	610	9.52	9.52	610	115
128924474	32 x 24	Schedule 20	813	610	12.7	9.52	610	150
245136038	32 x 24	XS	813	610	12.7	12.7	610	150
17296959	32 x 24	Schedule 30	813	610	15.88	14.27	610	190
94429639	32 x 24	Schedule 40	813	610	17.48	17.48	610	--
160588517	32 x 26	Schedule 10	813	660	7.92	7.92	610	96
266005215	32 x 26	STD	813	660	9.52	9.52	610	115
16322392	32 x 26	Schedule 20	813	660	12.7	12.7	610	150
150174028	32 x 26	XS	813	660	12.7	12.7	610	150
268315762	32 x 28	Schedule 10	813	711	7.92	7.92	610	96
181590132	32 x 28	STD	813	711	9.52	9.52	610	115
25687690	32 x 28	Schedule 20	813	711	12.7	12.7	610	150
175880810	32 x 28	XS	813	711	12.7	12.7	610	150
20439486	32 x 28	Schedule 30	813	711	15.88	15.88	610	190
171443678	32 x 30	Schedule 10	813	762	7.92	7.92	610	96

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

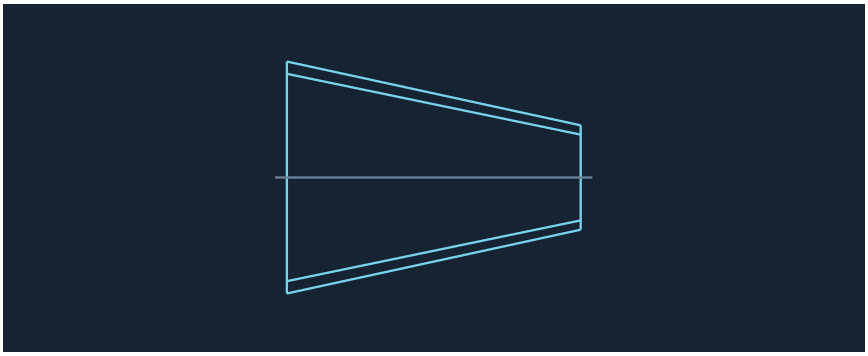
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

34/35

554 catalog variants / entries 529-544. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 30

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
140816937	32 x 30	STD	813	762	9.52	9.52	610	115
233735699	32 x 30	Schedule 20	813	762	12.7	12.7	610	150
231927386	32 x 30	XS	813	762	12.7	12.7	610	150
250422164	32 x 30	Schedule 30	813	762	15.88	15.88	610	190
252510097	34 x 24	STD	864	610	9.52	9.52	610	123
166834567	34 x 24	XS	864	610	12.7	12.7	610	162
186482196	34 x 26	STD	864	660	9.52	9.52	610	123
64908292	34 x 26	XS	864	660	12.7	12.7	610	162
89423303	34 x 30	STD	864	762	9.52	9.52	610	123
74402517	34 x 30	XS	864	762	12.7	12.7	610	162
114532627	34 x 32	STD	864	813	9.52	9.52	610	123
90364794	34 x 32	XS	864	813	12.7	12.7	610	162
1702022	36 x 24	STD	914	610	9.52	9.52	610	129
62777343	36 x 24	XS	914	610	12.7	12.7	610	172
49509746	36 x 26	STD	914	660	9.52	9.52	610	129
23696704	36 x 26	XS	914	660	12.7	12.7	610	172

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

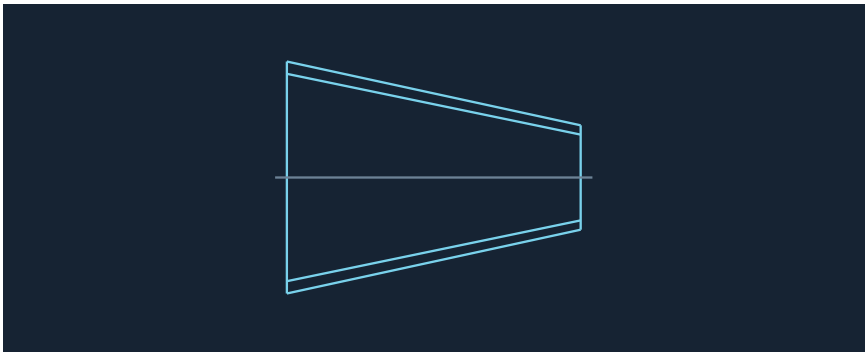
02 / PIPES AND FITTINGS

Dimensions and variants

CS Reducers

35/35

554 catalog variants / entries 545-554. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 30

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
262927298	36 x 30	STD	914	762	9.52	9.52	610	129
254431602	36 x 30	XS	914	762	12.7	12.7	610	172
24691972	36 x 32	STD	914	813	9.52	9.52	610	129
215186354	36 x 32	XS	914	813	12.7	12.7	610	172
25586742	36 x 34	STD	914	864	9.52	9.52	610	129
222923590	36 x 34	XS	914	864	12.7	12.7	610	172
116351408	38 x 34	STD	965	864	9.52	9.52	610	136
23387552	38 x 34	XS	965	864	12.7	12.7	610	186
171978968	38 x 36	STD	965	914	9.52	9.52	610	136
59940615	38 x 36	XS	965	914	12.7	12.7	610	186

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

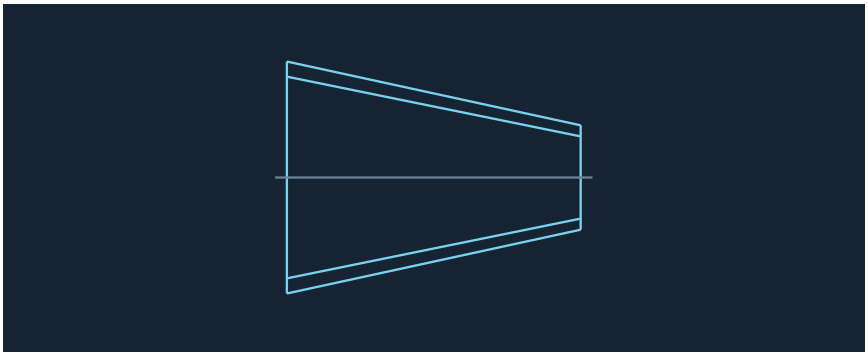
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

1/8

118 catalog variants / entries 1-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 40

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
199959093	3/4 x 3/8 (3)	Schedule 5	27	17	2.11	1.65	38	0.09
75196158	3/4 x 3/8 (3)	Schedule 40	27	17	2.87	2.31	38	0.12
234361368	3/4 x 3/8 (3)	Schedule 80	27	17	3.91	3.2	38	0.17
102669093	3/4 x 1/2	Schedule 40	27	21	2.87	2.77	38	0.13
90132301	3/4 x 1/2	Schedule 80	27	21	3.91	3.73	38	0.18
53460737	1 1/4 x1/2	Schedule 40	42	21	3.56	2.77	51	0.2
6229689	1 1/4 x1/2	Schedule 80	42	21	4.85	3.73	51	0.23
50226096	1 1/4 x 3/4	Schedule 40	42	27	3.56	2.87	51	0.21
26565566	1 1/4 x 3/4	Schedule 80	42	27	4.85	3.91	51	0.25
58641781	1 1/4 x 1	Schedule 40	42	33	3.56	3.38	51	0.22
238305398	1 1/4 x 1	Schedule 80	42	33	4.85	4.55	51	0.27
29431588	1 x 3/8 (4)	Schedule 5	33	17	2.77	1.65	51	--
19557715	1 x 3/8 (4)	Schedule 40	33	17	3.38	2.31	51	--
51037068	1 x 3/8 (4)	Schedule 80	33	17	4.55	3.2	51	--
46853065	1 x 1/2	Schedule 40	33	21	3.38	2.77	51	0.15
23088657	1 x 1/2	Schedule 80	33	21	4.55	3.73	51	0.19

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

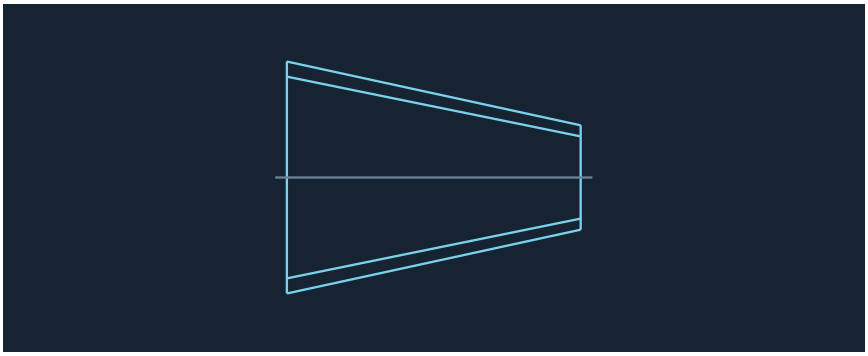
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

2/8

118 catalog variants / entries 17-32. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 40

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
223709124	1 1/2 x 1/2	Schedule 40	48	21	3.68	2.77	64	0.22
19826712	1 1/2 x 1/2	Schedule 80	48	21	5.08	3.73	64	0.31
162413156	1 1/2 x 3/4	Schedule 40	48	27	3.68	2.87	64	0.24
43955431	1 1/2 x 3/4	Schedule 80	48	27	5.08	3.91	64	0.32
139756950	1 1/2 x 1	Schedule 40	48	33	3.68	3.38	64	0.26
146381651	1 1/2 x 1	Schedule 80	48	33	5.08	4.55	64	0.33
70984978	1 1/2 x 1 1/4	Schedule 40	48	42	3.68	3.56	64	0.28
97734968	1 1/2 x 1 1/4	Schedule 80	48	42	5.08	4.85	64	0.36
60981781	1 x 3/4	Schedule 40	33	27	3.38	2.87	51	0.16
124947297	1 x 3/4	Schedule 80	33	27	4.55	3.91	51	0.21
183774838	2 1/2 x 1	Schedule 40	73	33	5.16	3.38	89	0.64
89041033	2 1/2 x 1	Schedule 80	73	33	7.01	4.55	89	0.87
146900083	2 1/2 x 1 1/4	Schedule 40	73	42	5.16	3.56	89	0.73
253267038	2 1/2 x 1 1/4	Schedule 80	73	42	7.01	4.85	89	0.9
225506602	2 1/2 x 1 1/2	Schedule 40	73	48	5.16	3.68	89	0.76
229203683	2 1/2 x 1 1/2	Schedule 80	73	48	7.01	5.08	89	0.94

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

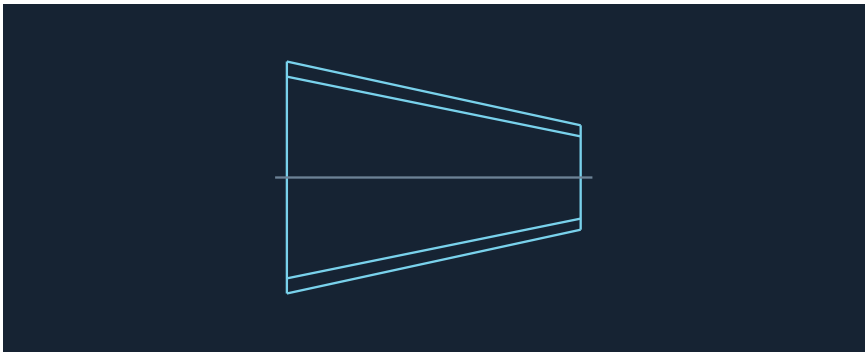
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

3/8

118 catalog variants / entries 33-48. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 40

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
23756756	2 1/2 x 2	Schedule 40	73	60	5.16	3.91	89	0.8
37994322	2 1/2 x 2	Schedule 80	73	60	7.01	5.54	89	1.05
66034883	2 x 3/4	Schedule 40	60	27	3.91	2.87	76	0.36
58562581	2 x 3/4	Schedule 80	60	27	5.54	3.91	76	0.5
10450482	2 x 1	Schedule 40	60	33	3.91	3.38	76	0.4
142637070	2 x 1	Schedule 80	60	33	5.54	4.55	76	0.53
29223167	2 x 1 1/4	Schedule 40	60	42	3.91	3.56	76	0.43
36530579	2 x 1 1/4	Schedule 80	60	42	5.54	4.85	76	0.57
128151731	2 x 1 1/2	Schedule 40	60	48	3.91	3.68	76	0.45
214504316	2 x 1 1/2	Schedule 80	60	48	5.54	5.08	76	0.59
101228692	3 1/2 x 1 1/4	Schedule 40	102	42	5.74	3.56	102	1.2
58633504	3 1/2 x 1 1/4	Schedule 80	102	42	8.08	4.85	102	1.6
88030344	3 1/2 x 1 1/2	Schedule 40	102	48	5.74	3.68	102	1.25
261842740	3 1/2 x 1 1/2	Schedule 80	102	48	8.08	5.08	102	1.65
159816172	3 1/2 x 2	Schedule 40	102	60	5.74	3.91	102	1.35
61121395	3 1/2 x 2	Schedule 80	102	60	8.08	5.54	102	1.75

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

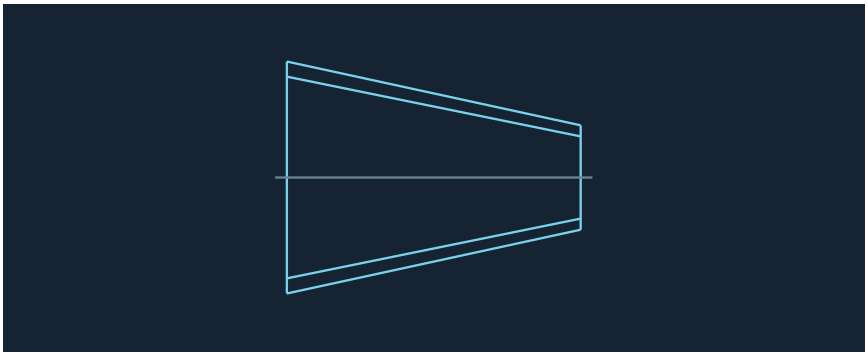
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

4/8

118 catalog variants / entries 49-64. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 40

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
236811868	3 1/2 x 2 1/2	Schedule 40	102	73	5.74	5.16	102	1.46
1561890	3 1/2 x 2 1/2	Schedule 80	102	73	8.08	7.01	102	1.9
179463355	3 1/2 x 3	Schedule 40	102	89	5.74	5.49	102	1.5
5781141	3 1/2 x 3	Schedule 80	102	89	8.08	7.62	102	2
37716860	3 x 1 1/4	Schedule 40	89	42	5.49	3.56	89	0.85
134891500	3 x 1 1/4	Schedule 80	89	42	7.62	4.85	89	1.15
116803352	3 x 1 1/2	Schedule 40	89	48	5.49	3.68	89	0.94
245312350	3 x 1 1/2	Schedule 80	89	48	7.62	5.08	89	1.2
12142855	3 x 2	Schedule 40	89	60	5.49	3.91	89	1
191419897	3 x 2	Schedule 80	89	60	7.62	5.54	89	1.29
254232564	3 x 2 1/2	Schedule 40	89	73	5.49	5.16	89	1.1
254867716	3 x 2 1/2	Schedule 80	89	73	7.62	7.01	89	1.49
126993783	4 x 1 1/2	Schedule 40	114	48	6.02	3.68	102	1.35
247049249	4 x 1 1/2	Schedule 80	114	48	8.56	5.08	102	1.9
4507792	4 x 2	Schedule 40	114	60	6.02	3.91	102	1.6
228332951	4 x 2	Schedule 80	114	60	8.56	5.54	102	1.95

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

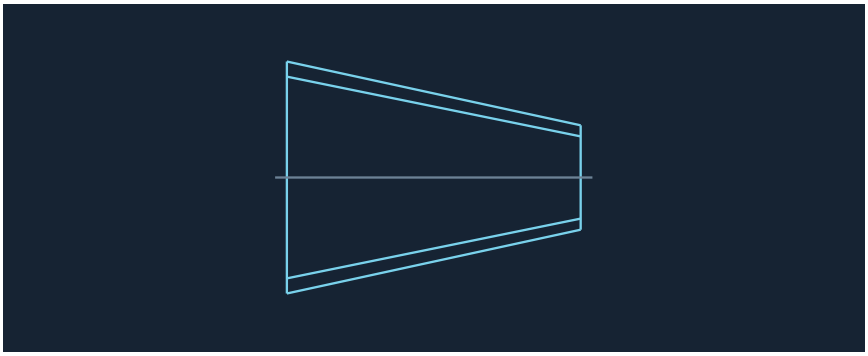
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

5/8

118 catalog variants / entries 65-80. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 40

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
228196727	4 x 2 1/2	Schedule 40	114	73	6.02	5.16	102	1.65
39411151	4 x 2 1/2	Schedule 80	114	73	8.56	7.01	102	2.2
203697709	4 x 3	Schedule 40	114	89	6.02	5.49	102	1.75
32629700	4 x 3	Schedule 80	114	89	8.56	7.62	102	2.3
20731869	4 x 3 1/2	Schedule 40	114	102	6.02	5.74	102	1.8
197426501	4 x 3 1/2	Schedule 80	114	102	8.56	8.08	102	2.4
43717113	5 x 2	Schedule 40	141	60	6.55	3.91	127	2.5
200337288	5 x 2	Schedule 80	141	60	9.53	5.54	127	3.3
165985762	5 x 2 1/2	Schedule 40	141	73	6.55	5.16	127	2.7
237986194	5 x 2 1/2	Schedule 80	141	73	9.53	7.01	127	3.6
247063125	5 x 3	Schedule 40	141	89	6.55	5.49	127	2.8
202613614	5 x 3	Schedule 80	141	89	9.53	7.62	127	3.9
215331994	5 x 3 1/2	Schedule 40	141	102	6.55	5.74	127	2.9
111501220	5 x 3 1/2	Schedule 80	141	102	9.53	8.08	127	4
263291726	5 x 4	Schedule 40	141	114	6.55	6.02	127	3
232856491	5 x 4	Schedule 80	141	114	9.53	8.56	127	4.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

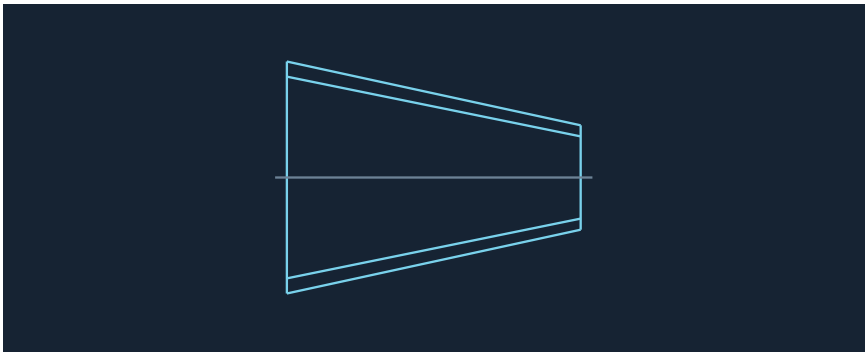
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

6/8

118 catalog variants / entries 81-96. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 40

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
219564028	6 x 2 1/2	Schedule 40	168	73	7.11	5.16	140	3.8
10996545	6 x 2 1/2	Schedule 80	168	73	10.97	7.01	140	4.9
104490207	6 x 3	Schedule 40	168	89	7.11	5.49	140	4
102773036	6 x 3	Schedule 80	168	89	10.97	7.62	140	5.5
170616647	6 x 3 1/2	Schedule 40	168	102	7.11	5.74	140	4.05
118093398	6 x 3 1/2	Schedule 80	168	102	10.97	8.08	140	5.75
258184930	6 x 4	Schedule 40	168	114	7.11	6.02	140	4.1
203560345	6 x 4	Schedule 80	168	114	10.97	8.56	140	5.95
109727933	6 x 5	Schedule 40	168	141	7.11	6.55	140	4.3
42359393	6 x 5	Schedule 80	168	141	10.97	9.53	140	6.2
44096119	8 x 3 1/2	Schedule 40	219	102	8.18	5.74	152	6.4
180877120	8 x 3 1/2	Schedule 80	219	102	12.7	8.08	152	8
217342557	8 x 4	Schedule 40	219	114	8.18	6.02	152	6.5
139547975	8 x 4	Schedule 80	219	114	12.7	8.56	152	9.2
109831689	8 x 5	Schedule 40	219	141	8.18	6.55	152	6.7
80888093	8 x 5	Schedule 80	219	141	12.7	9.53	152	9.7

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

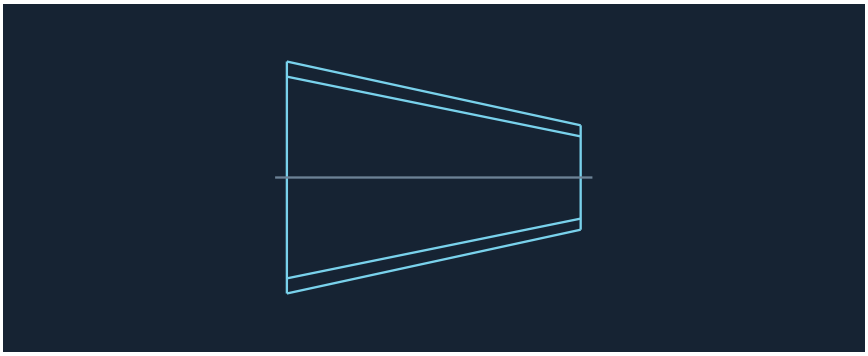
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

7/8

118 catalog variants / entries 97-112. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

Typical drawing: NPS 2 x 3/4 | Schedule 40

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
220188818	8 x 6	Schedule 40	219	168	8.18	7.11	152	6.9
242270805	8 x 6	Schedule 80	219	168	12.7	10.97	152	10.1
113268238	10 x 4	Schedule 40	273	114	9.27	6.02	178	10.5
167237913	10 x 4	Schedule 80	273	114	12.7	8.56	178	12.5
118335744	10 x 5	Schedule 40	273	141	9.27	6.55	178	10.8
155295041	10 x 5	Schedule 80	273	141	12.7	9.53	178	14.2
53994947	10 x 6	Schedule 40	273	168	9.27	7.11	178	11.1
18222288	10 x 6	Schedule 80	273	168	12.7	10.97	178	14.8
60142062	10 x 8	Schedule 40	273	219	9.27	8.18	178	11.5
62926663	10 x 8	Schedule 80	273	219	12.7	12.7	178	15.6
95371891	12 x 5	Schedule 40	324	141	9.53	6.55	203	15.2
36721222	12 x 5	Schedule 80	324	141	12.7	9.53	203	19.4
113450353	12 x 6	Schedule 40	324	168	9.53	7.11	203	15.5
201402222	12 x 6	Schedule 80	324	168	12.7	10.97	203	20.1
149903721	12 x 8	Schedule 40	324	219	9.53	8.18	203	16
169166640	12 x 8	Schedule 80	324	219	12.7	12.7	203	20.9

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

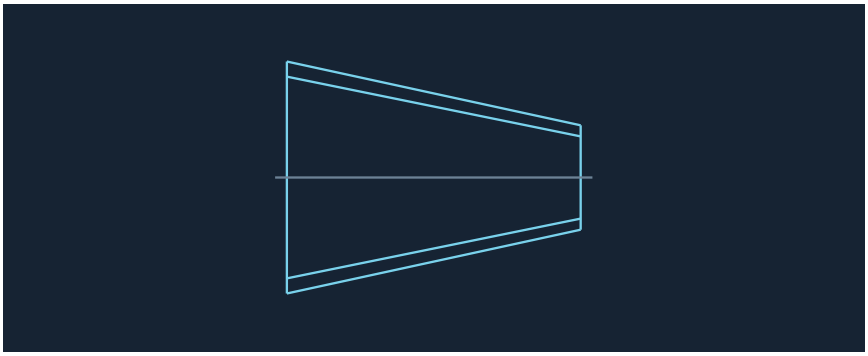
02 / PIPES AND FITTINGS

Dimensions and variants

SS Reducers

8/8

118 catalog variants / entries 113-118. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



Typical drawing: NPS 2 x 3/4 | Schedule 40

OD1 / OD2: large / small outside diameter. t1 / t2: corresponding walls. L: end-to-end length. Nominal concentric transition. Mass: kg.

ID	NPS LARGE x SMALL	SCHEDULE	OD1	OD2	t1	t2	L	MASS kg
128152866	12 x 10	Schedule 40	324	273	9.53	9.27	203	16.6
229789663	12 x 10	Schedule 80	324	273	12.7	12.7	203	21.6
73588829	20 x 12	Schedule 40	508	324	9.53	9.53	508	60
76709137	24 x 16	Schedule 40	610	406	9.53	9.53	508	75
95239071	24 x 18	Schedule 40	610	457	9.53	9.53	508	76
31810253	24 x 20	Schedule 40	610	508	9.53	9.53	508	79

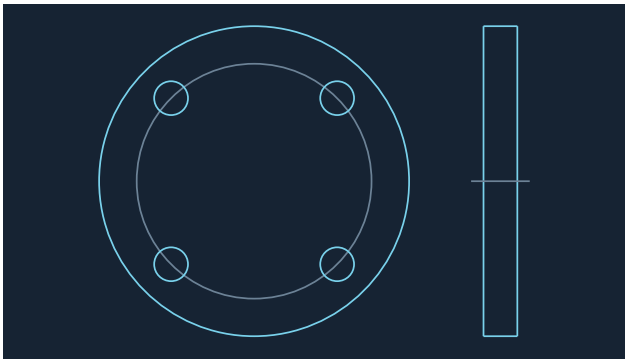
SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

03 / FLANGES AND CONNECTIONS

Flange families

Flange faces, longitudinal outlines and branch fittings generated with SDS library geometry. Sizes and classes below are source catalog labels.

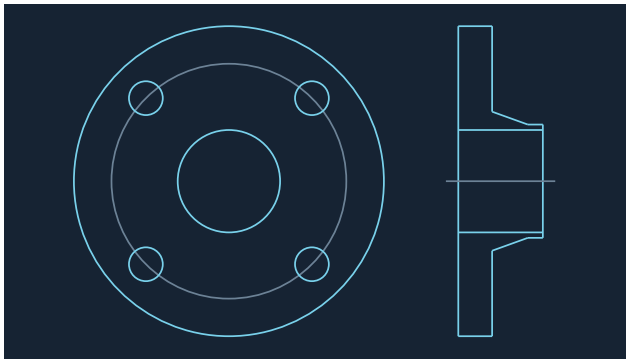
EN blind flange



DN50 | Type 05 blind
EN flanges PN16
OD 165 / PCD 125 mm | 4 holes

Piping catalog ID 142297398; row 13

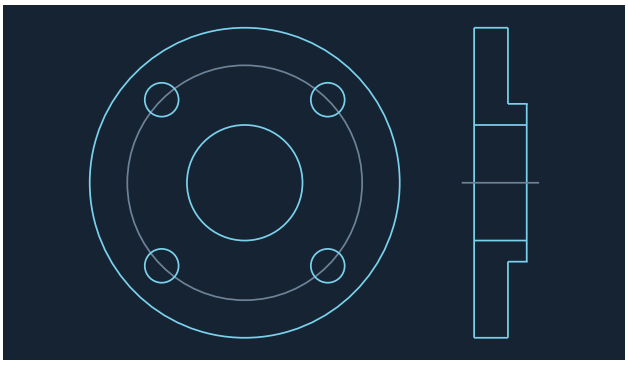
EN welding-neck flange



DN50 | Type 11 weld neck
EN flanges PN16
OD 165 / PCD 125 mm | 4 holes

Piping catalog ID 106794783; row 13

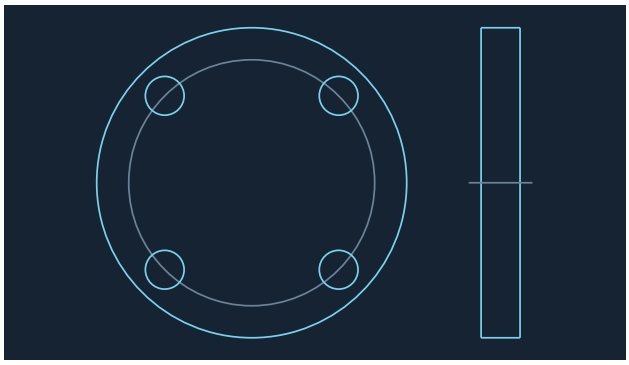
EN slip-on flange



DN50 | Type 12 slip on
EN flanges PN16
OD 165 / PCD 125 mm | 4 holes

Piping catalog ID 129645535; row 13

B16.5 blind flange



DN50 | Blind
B16.5 flanges CL150
OD 152 / PCD 120.6 mm | 4 holes

Piping catalog ID 224545407; row 13

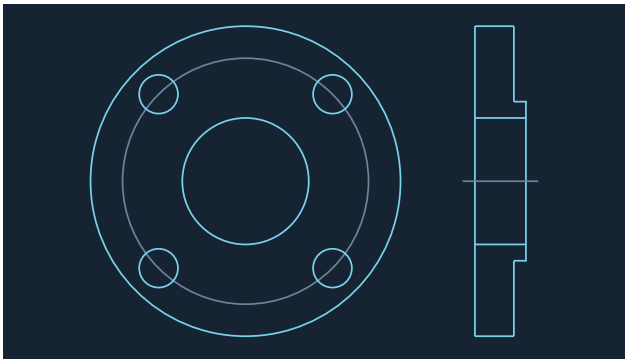
Flange faces and hub transitions are nominal. Branch forged contours, socket clearance and thread marks are simplified display choices, as in SDS.

03 / FLANGES AND CONNECTIONS

Branch connections

Flange faces, longitudinal outlines and branch fittings generated with SDS library geometry. Sizes and classes below are source catalog labels.

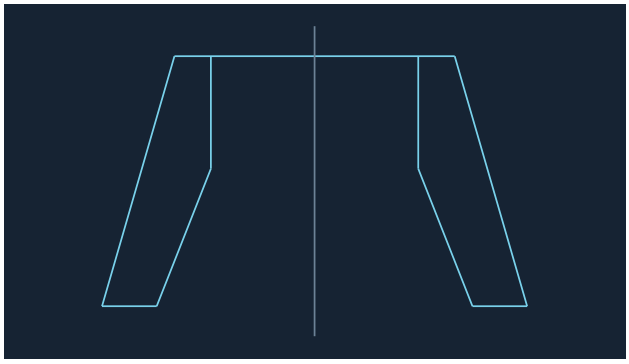
B16.5 slip-on flange



DN50 | Slip on
B16.5 flanges CL150
OD 152 / PCD 120.6 mm | 4 holes

Piping catalog ID 78055319; row 13

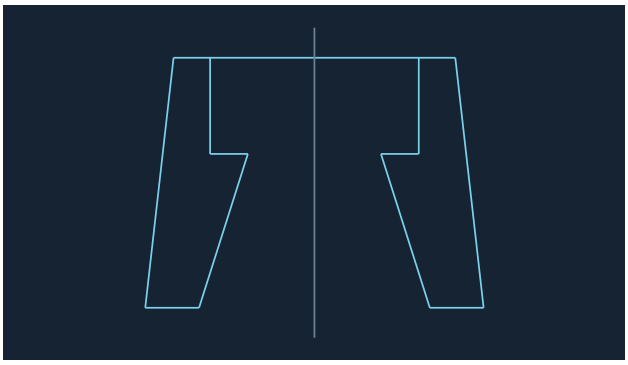
Weldolet



NPS 1/2 | STD | Weldolet
BW branch fittings
Branch OD 21.3 | height A 19 mm

Piping catalog ID 93061310; row 39

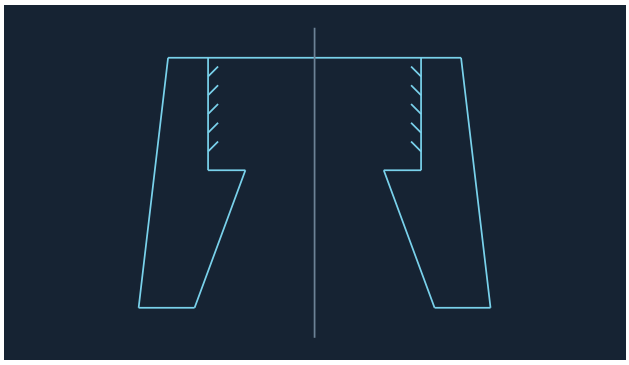
Sockolet



NPS 1/2 | Class 3000 | Sockolet
SW branch fittings
Branch OD 21.3 | height A 26 mm

Piping catalog ID 28343061; row 11

Thredolet



NPS 1/2 | Class 3000 | Thredolet
THD branch fittings
Branch OD 21.3 | height A 25 mm

Piping catalog ID 15851606; row 11

Flange faces and hub transitions are nominal. Branch forged contours, socket clearance and thread marks are simplified display choices, as in SDS.

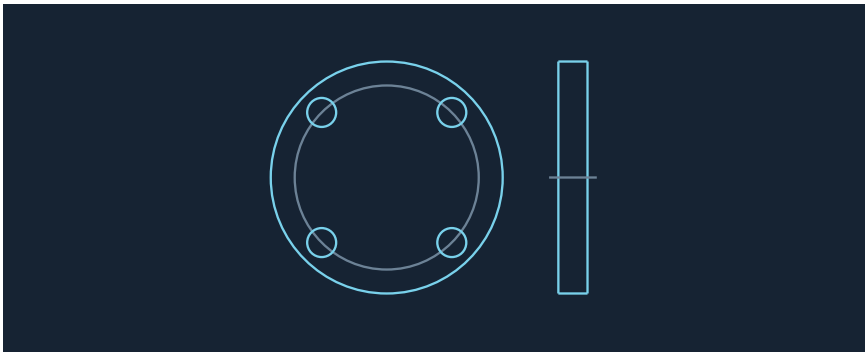
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL150 / Blind

1/2

20 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Blind

ID	DN	D	K	d	n holes	BORE	t
148572208	–	216	177.8	19	8	0	23.9
148638322	15	89	60.3	15.8	4	0	11.2
232422684	20	99	69.8	15.8	4	0	12.7
58246535	25	108	79.4	15.8	4	0	14.3
121137486	32	117	88.9	15.8	4	0	15.7
96345472	40	127	98.4	15.8	4	0	17.5
224545407	50	152	120.6	19	4	0	19.1
129333008	65	178	139.7	19	4	0	22.3
26690123	80	190	152.4	19	4	0	23.9
196644256	100	229	190.5	19	8	0	23.9

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
148572208	16	23.9	--	--	--	--	--	6.8
148638322	8	11.2	--	--	--	--	--	1.2
232422684	9	12.7	--	--	--	--	--	1.3
58246535	10	14.3	--	--	--	--	--	1.4
121137486	11	15.7	--	--	--	--	--	1.8
96345472	12	17.5	--	--	--	--	--	2.2
224545407	13	19.1	--	--	--	--	--	2.8
129333008	14	22.3	--	--	--	--	--	4.7
26690123	15	23.9	--	--	--	--	--	5.5
196644256	17	23.9	--	--	--	--	--	8

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

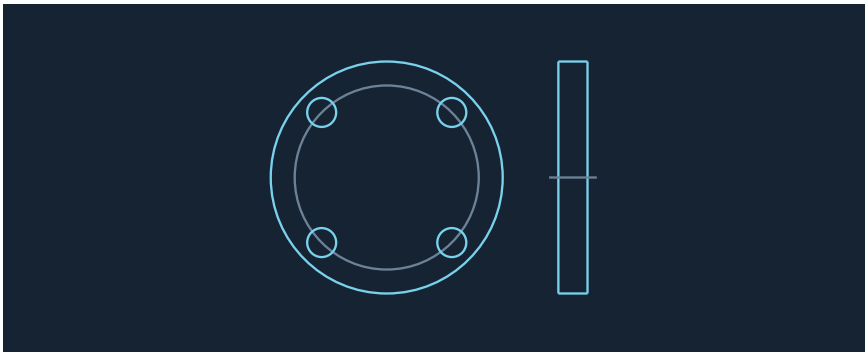
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL150 / Blind

2/2

20 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Blind

ID	DN	D	K	d	n holes	BORE	t
63544396	125	254	215.9	22.2	8	0	23.9
45641590	150	279	241.3	22.2	8	0	25.4
21623907	200	343	298.4	22.2	8	0	28.5
173790110	250	406	362	25.4	12	0	30.2
76996026	300	483	431.8	25.4	12	0	31.8
5664838	350	533	476.2	28.5	12	0	35
252769644	400	597	539.8	28.5	16	0	36.6
86036149	450	635	577.8	31.8	16	0	39.7
266207126	500	698	635	31.8	20	0	42.9
187314194	600	813	749.3	35	20	0	47.7

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
63544396	18	23.9	--	--	--	--	--	9
45641590	19	25.4	--	--	--	--	--	12
21623907	20	28.5	--	--	--	--	--	20
173790110	21	30.2	--	--	--	--	--	32
76996026	22	31.8	--	--	--	--	--	40
5664838	23	35	--	--	--	--	--	59
252769644	24	36.6	--	--	--	--	--	77
86036149	25	39.7	--	--	--	--	--	95
266207126	26	42.9	--	--	--	--	--	123
187314194	27	47.7	--	--	--	--	--	186

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

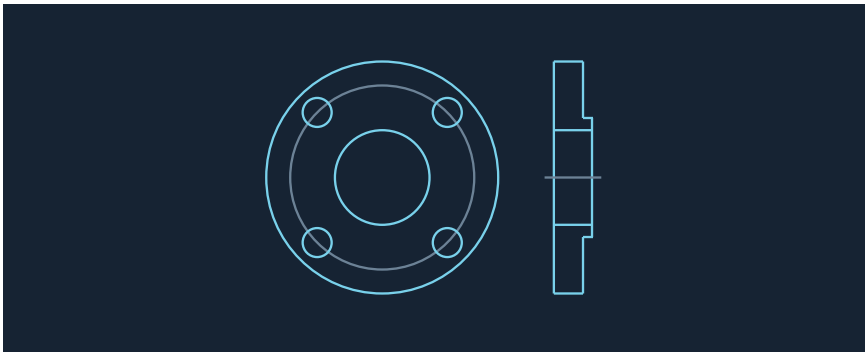
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL150 / Slip on

1/2

20 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Slip on

ID	DN	D	K	d	n holes	BORE	t
82675832	–	216	177.8	19	8	103.4	23.9
92829220	15	89	60.3	15.8	4	22.4	11.2
148360465	20	99	69.8	15.8	4	27.7	12.7
103267876	25	108	79.4	15.8	4	34.5	14.3
213646053	32	117	88.9	15.8	4	43.2	15.7
40673914	40	127	98.4	15.8	4	49.5	17.5
78055319	50	152	120.6	19	4	62	19.1
181051253	65	178	139.7	19	4	74.7	22.3
20273536	80	190	152.4	19	4	90.7	23.9
207061171	100	229	190.5	19	8	116.1	23.9

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
82675832	16	32	122	--	--	--	--	5.3
92829220	8	16	30	--	--	--	--	0.8
148360465	9	16	38	--	--	--	--	0.9
103267876	10	17	49	--	--	--	--	1
213646053	11	21	59	--	--	--	--	1.3
40673914	12	22	65	--	--	--	--	1.5
78055319	13	25	78	--	--	--	--	2.3
181051253	14	29	90	--	--	--	--	3.7
20273536	15	30	108	--	--	--	--	4.2
207061171	17	33	135	--	--	--	--	5.9

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

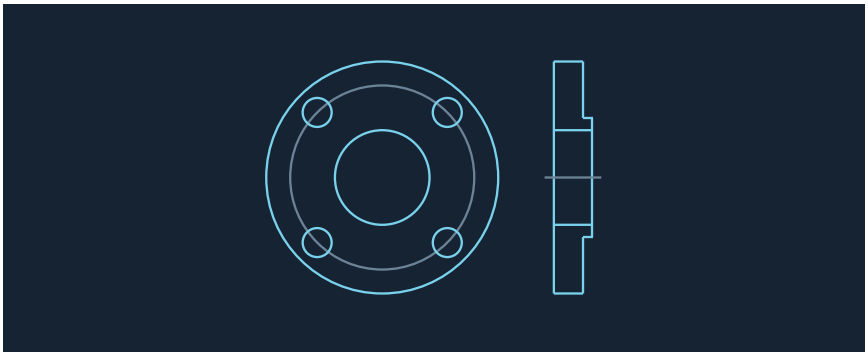
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL150 / Slip on

2/2

20 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Slip on

ID	DN	D	K	d	n holes	BORE	t
115022349	125	254	215.9	22.2	8	143.8	23.9
192081617	150	279	241.3	22.2	8	170.7	25.4
82199016	200	343	298.4	22.2	8	221.5	28.5
217047159	250	406	362	25.4	12	276.4	30.2
190367930	300	483	431.8	25.4	12	327.2	31.8
145301382	350	533	476.2	28.5	12	359.2	35
219664424	400	597	539.8	28.5	16	410.5	36.6
154160970	450	635	577.8	31.8	16	461.8	39.7
214682077	500	698	635	31.8	20	513.1	42.9
43591642	600	813	749.3	35	20	616	47.7

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
115022349	18	37	164	--	--	--	--	7
192081617	19	40	192	--	--	--	--	8.5
82199016	20	44	246	--	--	--	--	13.5
217047159	21	49	305	--	--	--	--	19.5
190367930	22	56	365	--	--	--	--	29
145301382	23	57	400	--	--	--	--	39
219664424	24	63	457	--	--	--	--	47
154160970	25	68	505	--	--	--	--	54
214682077	26	73	559	--	--	--	--	70
43591642	27	83	664	--	--	--	--	95

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

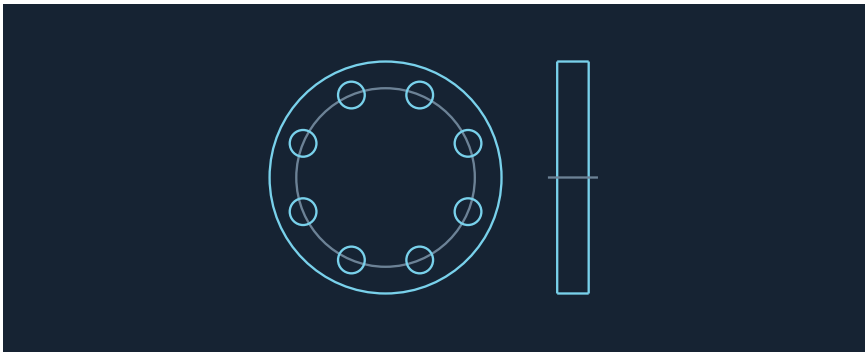
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL300 / Blind

1/2

20 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Blind

ID	DN	D	K	d	n holes	BORE	t
242199426	–	229	184.1	22.2	8	0	30.2
94633637	15	95	66.7	15.8	4	0	14.2
111074886	20	117	82.6	19	4	0	15.7
229145402	25	124	88.9	19	4	0	17.5
19767289	32	133	98.4	19	4	0	19
174647562	40	156	114.3	22.2	4	0	20.6
193696133	50	165	127	19	8	0	22.4
75433591	65	190	149.2	22.2	8	0	25.4
193076223	80	210	168.3	22.2	8	0	28.4
189770112	100	254	200	22.2	8	0	31.8

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
242199426	16	30.2	--	--	--	--	--	9
94633637	8	14.2	--	--	--	--	--	1.5
111074886	9	15.7	--	--	--	--	--	1.6
229145402	10	17.5	--	--	--	--	--	2
19767289	11	19	--	--	--	--	--	2.5
174647562	12	20.6	--	--	--	--	--	3
193696133	13	22.4	--	--	--	--	--	3.5
75433591	14	25.4	--	--	--	--	--	5.5
193076223	15	28.4	--	--	--	--	--	7
189770112	17	31.8	--	--	--	--	--	12

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

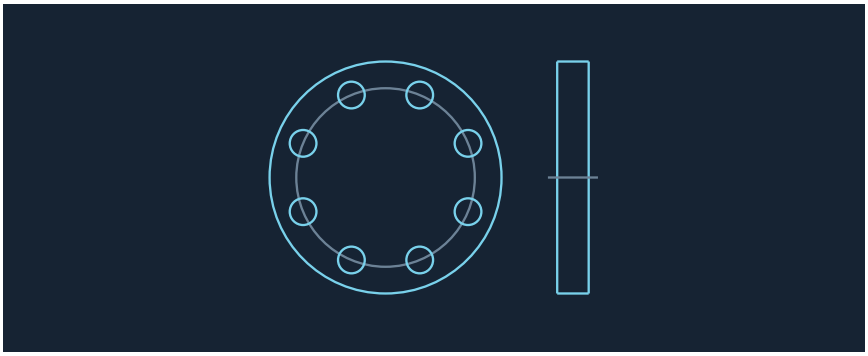
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL300 / Blind

2/2

20 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Blind

ID	DN	D	K	d	n holes	BORE	t
125455143	125	279	235	22.2	8	0	35
259163575	150	318	269.9	22.2	12	0	36.6
29310177	200	381	330.2	25.4	12	0	41.1
99687265	250	444	387.4	28.5	16	0	47.8
231900496	300	521	450.8	31.8	16	0	50.8
73644736	350	584	514.4	31.8	20	0	53.8
253149714	400	648	571.5	35	20	0	57.2
87765595	450	711	628.6	35	24	0	60.5
192530089	500	775	685.8	35	24	0	63.5
50772486	600	914	812.8	41.1	24	0	69.9

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
125455143	18	35	--	--	--	--	--	15.8
259163575	19	36.6	--	--	--	--	--	23
29310177	20	41.1	--	--	--	--	--	37
99687265	21	47.8	--	--	--	--	--	58
231900496	22	50.8	--	--	--	--	--	83
73644736	23	53.8	--	--	--	--	--	107
253149714	24	57.2	--	--	--	--	--	139
87765595	25	60.5	--	--	--	--	--	177
192530089	26	63.5	--	--	--	--	--	223
50772486	27	69.9	--	--	--	--	--	342

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

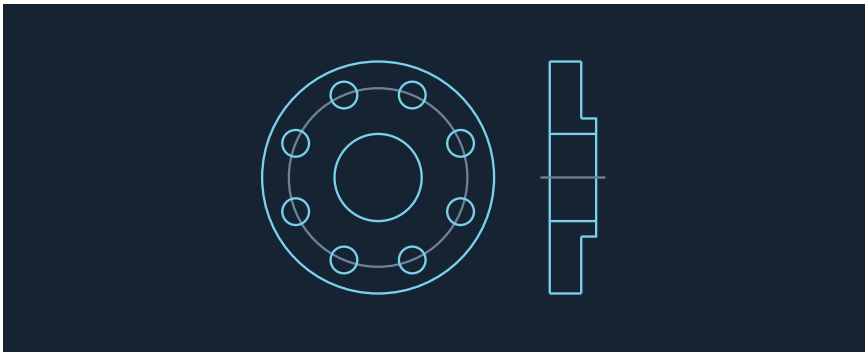
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL300 / Slip on

1/2

20 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Slip on

ID	DN	D	K	d	n holes	BORE	t
72281494	–	229	184.1	22.2	8	103.4	30.2
68338395	15	95	66.7	15.8	4	22.4	14.2
251456842	20	117	82.6	19	4	27.7	15.7
54061590	25	124	88.9	19	4	34.5	17.5
93142147	32	133	98.4	19	4	43.2	19
48933976	40	156	114.3	22.2	4	49.5	20.6
125566771	50	165	127	19	8	62	22.4
263931645	65	190	149.2	22.2	8	74.7	25.4
77276294	80	210	168.3	22.2	8	90.7	28.4
195856531	100	254	200	22.2	8	116.1	31.8

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
72281494	16	44	133	--	--	--	--	7.5
68338395	8	22	38	--	--	--	--	1.2
251456842	9	25	48	--	--	--	--	1.3
54061590	10	27	54	--	--	--	--	1.4
93142147	11	27	63	--	--	--	--	1.8
48933976	12	30	70	--	--	--	--	2.5
125566771	13	33	84	--	--	--	--	3
263931645	14	38	100	--	--	--	--	4.5
77276294	15	43	117	--	--	--	--	6
195856531	17	48	146	--	--	--	--	10.1

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

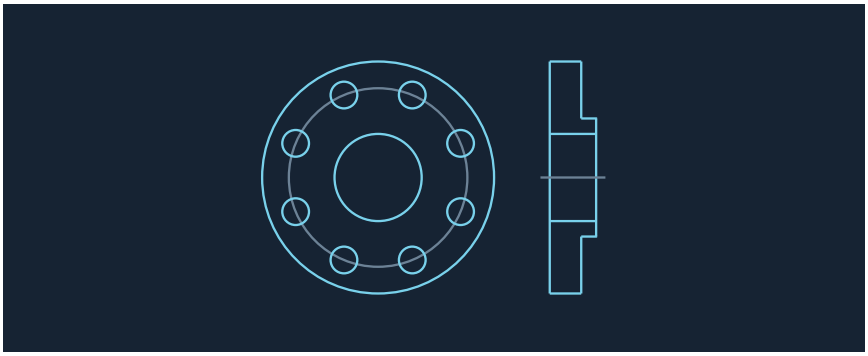
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL300 / Slip on

2/2

20 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Slip on

ID	DN	D	K	d	n holes	BORE	t
7017591	125	279	235	22.2	8	143.8	35
107567038	150	318	269.9	22.2	12	170.7	36.6
84997523	200	381	330.2	25.4	12	221.5	41.1
161322968	250	444	387.4	28.5	16	276.4	47.8
105002649	300	521	450.8	31.8	16	327.2	50.8
123590802	350	584	514.4	31.8	20	359.2	53.8
179627025	400	648	571.5	35	20	410.5	57.2
75606927	450	711	628.6	35	24	461.8	60.5
114460259	500	775	685.8	35	24	513.1	63.5
159985378	600	914	812.8	41.1	24	616	69.9

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
7017591	18	51	178	--	--	--	--	12.5
107567038	19	52	206	--	--	--	--	17.5
84997523	20	62	260	--	--	--	--	26
161322968	21	66	320	--	--	--	--	38
105002649	22	73	375	--	--	--	--	52
123590802	23	76	425	--	--	--	--	74
179627025	24	83	483	--	--	--	--	100
75606927	25	89	533	--	--	--	--	127
114460259	26	95	587	--	--	--	--	147
159985378	27	106	701	--	--	--	--	208

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

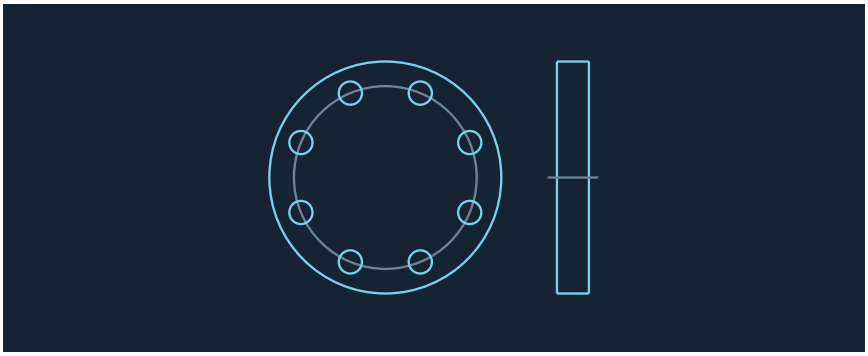
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL400 / Blind

1/2

11 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN100 | Blind

ID	DN	D	K	d	n holes	BORE	t
70575294	100	254	200.1	25.4	8	0	35
11984788	125	279	235	25.4	8	0	38.1
186121347	150	318	269.9	25.4	12	0	41.1
250443066	200	381	330.2	28.5	12	0	47.8
27086426	250	444	387.4	31.8	16	0	53.8
32136583	300	521	450.8	35	16	0	57.2
1486986	350	584	514.4	35	20	0	60.5
124833384	400	648	571.5	38.1	20	0	63.5
123561629	450	711	628.6	38.1	24	0	66.5
209443292	500	775	685.8	41.1	24	0	69.9

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
70575294	17	35	--	--	--	--	--	15
11984788	18	38.1	--	--	--	--	--	21
186121347	19	41.1	--	--	--	--	--	28
250443066	20	47.8	--	--	--	--	--	43
27086426	21	53.8	--	--	--	--	--	65
32136583	22	57.2	--	--	--	--	--	95
1486986	23	60.5	--	--	--	--	--	126
124833384	24	63.5	--	--	--	--	--	163
123561629	25	66.5	--	--	--	--	--	206
209443292	26	69.9	--	--	--	--	--	256

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

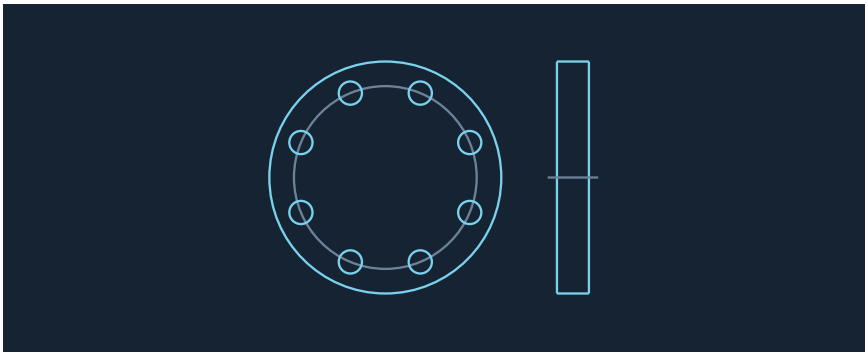
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL400 / Blind

2/2

11 catalog variants / entries 11-11. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN100 | Blind

ID	DN	D	K	d	n holes	BORE	t
49640379	600	914	812.8	47.8	24	0	76.2

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
49640379	27	76.2	--	--	--	--	--	387

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

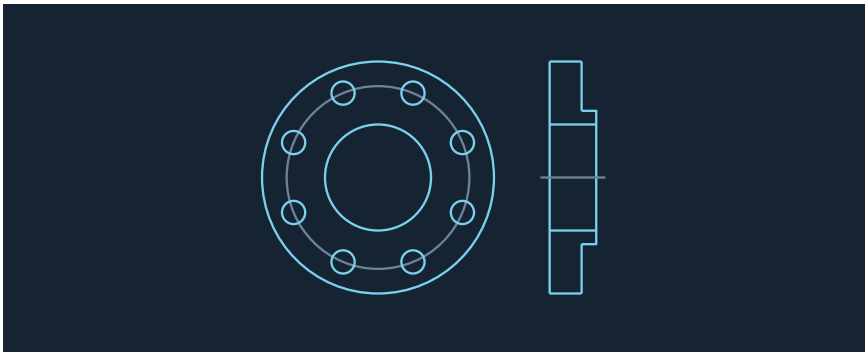
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL400 / Slip on

1/2

11 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN100 | Slip on

ID	DN	D	K	d	n holes	BORE	t
154364136	100	254	200.1	25.4	8	116.1	35
191439564	125	279	235	25.4	8	143.8	38.1
123641515	150	318	269.9	25.4	12	170.7	41.1
113421695	200	381	330.2	28.5	12	221.5	47.8
114839680	250	444	387.4	31.8	16	276.4	53.8
88330696	300	521	450.8	35	16	327.2	57.2
208894789	350	584	514.4	35	20	359.2	60.5
71021787	400	648	571.5	38.1	20	410.5	63.5
170291859	450	711	628.6	38.1	24	461.8	66.5
247204464	500	775	685.8	41.1	24	513.1	69.9

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
154364136	17	51	146	--	--	--	--	13
191439564	18	54	178	--	--	--	--	18.5
123641515	19	57	206	--	--	--	--	25
113421695	20	68	260	--	--	--	--	34
114839680	21	73	320	--	--	--	--	54
88330696	22	79	375	--	--	--	--	70
208894789	23	84	425	--	--	--	--	85
71021787	24	94	483	--	--	--	--	120
170291859	25	98	533	--	--	--	--	150
247204464	26	102	587	--	--	--	--	185

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

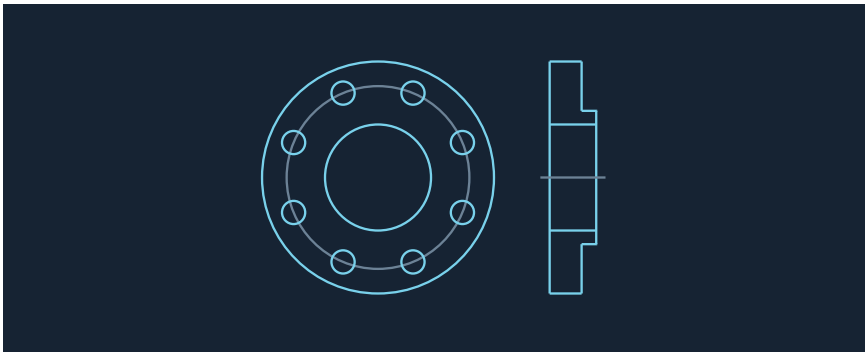
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL400 / Slip on

2/2

11 catalog variants / entries 11-11. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN100 | Slip on

ID	DN	D	K	d	n holes	BORE	t
85830193	600	914	812.8	47.8	24	616	76.2

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
85830193	27	114	701	--	--	--	--	260

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

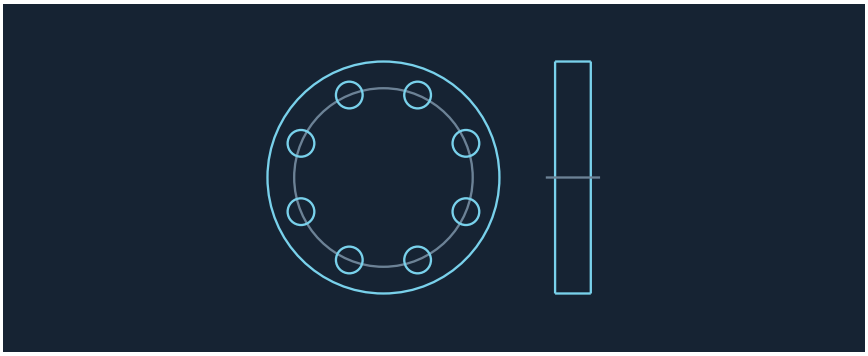
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL600 / Blind

1/2

20 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Blind

ID	DN	D	K	d	n holes	BORE	t
147685089	–	229	184.1	25.4	8	0	35
253733053	15	95	66.7	15.8	4	0	14.2
173402537	20	117	82.6	19	4	0	15.7
35502179	25	124	88.9	19	4	0	17.5
45050316	32	133	98.4	19	4	0	20.6
215486292	40	156	114.3	22.2	4	0	22.4
258539732	50	165	127	19	8	0	25.4
19312892	65	190	149.2	22.2	8	0	28.4
138572874	80	210	168.3	22.2	8	0	31.8
18871069	100	273	215.9	25.4	8	0	38.1

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
147685089	16	35	--	--	--	--	--	9.5
253733053	8	14.2	--	--	--	--	--	1.4
173402537	9	15.7	--	--	--	--	--	1.6
35502179	10	17.5	--	--	--	--	--	2.1
45050316	11	20.6	--	--	--	--	--	2.6
215486292	12	22.4	--	--	--	--	--	3.3
258539732	13	25.4	--	--	--	--	--	4.4
19312892	14	28.4	--	--	--	--	--	6
138572874	15	31.8	--	--	--	--	--	7.4
18871069	17	38.1	--	--	--	--	--	17

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

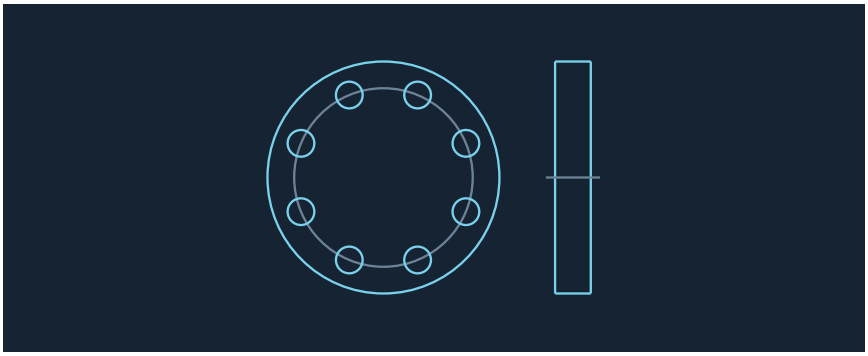
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL600 / Blind

2/2

20 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Blind

ID	DN	D	K	d	n holes	BORE	t
225936167	125	330	266.7	28.5	8	0	44.5
55328568	150	356	292.1	28.5	12	0	47.8
116161056	200	419	349.2	31.8	12	0	55.6
57478202	250	508	431.8	35	16	0	63.5
76114922	300	559	489	35	20	0	66.5
75889205	350	603	527	38.1	20	0	69.9
35745571	400	686	603.2	41.1	20	0	76.2
184492020	450	743	654	44.5	20	0	82.6
230015575	500	813	723.9	44.5	24	0	88.9
161943987	600	940	838.2	50.8	24	0	101.6

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
225936167	18	44.5	--	--	--	--	--	27
55328568	19	47.8	--	--	--	--	--	32
116161056	20	55.6	--	--	--	--	--	46
57478202	21	63.5	--	--	--	--	--	74
76114922	22	66.5	--	--	--	--	--	90
75889205	23	69.9	--	--	--	--	--	108
35745571	24	76.2	--	--	--	--	--	150
184492020	25	82.6	--	--	--	--	--	188
230015575	26	88.9	--	--	--	--	--	230
161943987	27	101.6	--	--	--	--	--	325

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

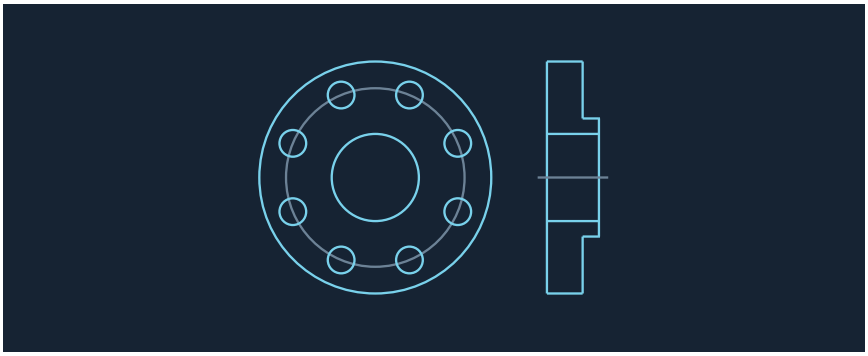
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL600 / Slip on

1/2

20 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Slip on

ID	DN	D	K	d	n holes	BORE	t
163060517	–	229	184.1	25.4	8	103.4	35
47555281	15	95	66.7	15.8	4	22.4	14.2
80202105	20	117	82.6	19	4	27.7	15.7
76663995	25	124	88.9	19	4	34.5	17.5
131718364	32	133	98.4	19	4	43.2	20.6
68608538	40	156	114.3	22.2	4	49.5	22.4
196015095	50	165	127	19	8	62	25.4
255886984	65	190	149.2	22.2	8	74.7	28.4
236529212	80	210	168.3	22.2	8	90.7	31.8
34665729	100	273	215.9	25.4	8	116.1	38.1

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
163060517	16	49	133	--	--	--	--	8.9
47555281	8	22	38	--	--	--	--	1.3
80202105	9	25	48	--	--	--	--	1.4
76663995	10	27	54	--	--	--	--	1.8
131718364	11	29	64	--	--	--	--	2.1
68608538	12	32	70	--	--	--	--	3.1
196015095	13	37	84	--	--	--	--	4
255886984	14	41	100	--	--	--	--	5.4
236529212	15	46	118	--	--	--	--	7
34665729	17	54	152	--	--	--	--	16

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

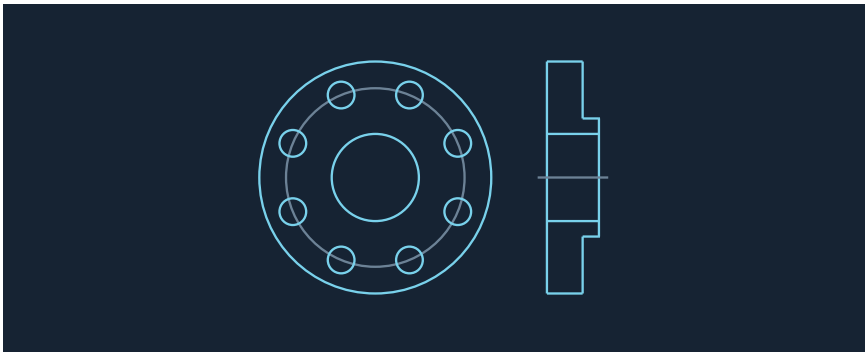
03 / FLANGES AND CONNECTIONS

Dimensions and variants

B16.5 flanges CL600 / Slip on

2/2

20 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Slip on

ID	DN	D	K	d	n holes	BORE	t
102067107	125	330	266.7	28.5	8	143.8	44.5
192999164	150	356	292.1	28.5	12	170.7	47.8
72559103	200	419	349.2	31.8	12	221.5	55.6
221207617	250	508	431.8	35	16	276.4	63.5
254716001	300	559	489	35	20	327.2	66.5
139877875	350	603	527	38.1	20	359.2	69.9
162155896	400	686	603.2	41.1	20	410.5	76.2
218175179	450	743	654	44.5	20	461.8	82.6
178871336	500	813	723.9	44.5	24	513.1	88.9
14720810	600	940	838.2	50.8	24	616	101.6

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
102067107	18	60	189	--	--	--	--	25
192999164	19	67	222	--	--	--	--	30
72559103	20	76	273	--	--	--	--	43
221207617	21	86	343	--	--	--	--	70
254716001	22	92	400	--	--	--	--	86
139877875	23	94	432	--	--	--	--	100
162155896	24	106	495	--	--	--	--	142
218175179	25	117	546	--	--	--	--	175
178871336	26	127	610	--	--	--	--	221
14720810	27	140	718	--	--	--	--	315

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

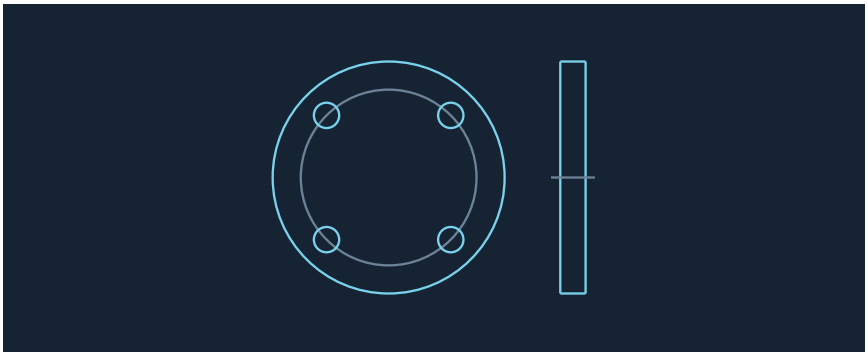
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 05 blind

1/3

25 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
38073605	10	90	60	14	4	0	16
117091977	15	95	65	14	4	0	16
228166809	20	105	75	14	4	0	18
149193553	25	115	85	14	4	0	18
28866160	32	140	100	18	4	0	18
6323405	40	150	110	18	4	0	18
76265814	50	165	125	18	4	0	18
143837259	65	185	145	18	8	0	18
177310647	80	200	160	18	8	0	20
9085928	100	220	180	18	8	0	20

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
38073605	8	16	--	--	--	--	--	--
117091977	9	16	--	--	--	--	--	--
228166809	10	18	--	--	--	--	--	--
149193553	11	18	--	--	--	--	--	--
28866160	12	18	--	--	--	--	--	--
6323405	13	18	--	--	--	--	--	--
76265814	14	18	--	--	--	--	--	--
143837259	15	18	--	--	--	--	--	--
177310647	16	20	--	--	--	--	--	--
9085928	17	20	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

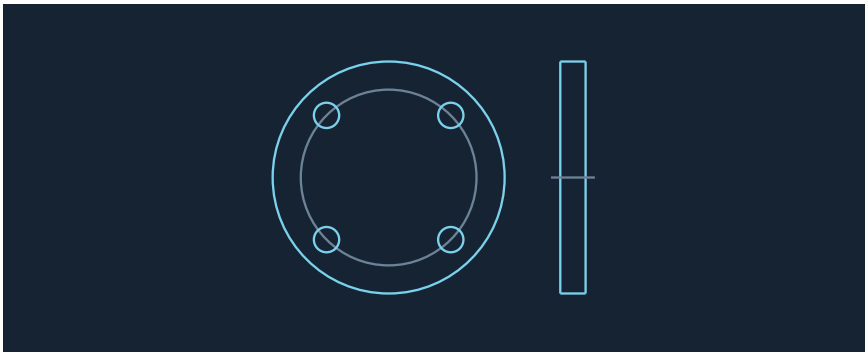
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 05 blind

2/3

25 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
233576689	125	250	210	18	8	0	22
76890338	150	285	240	22	8	0	22
238936997	200	340	295	22	8	0	24
129054272	250	395	350	22	12	0	26
91205957	300	445	400	22	12	0	26
110433855	350	505	460	22	16	0	26
35777254	400	565	515	26	16	0	26
241062363	450	615	565	26	20	0	28
112384893	500	670	620	26	20	0	28
47144681	600	780	725	30	20	0	34

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
233576689	18	22	--	--	--	--	--	--
76890338	19	22	--	--	--	--	--	--
238936997	20	24	--	--	--	--	--	--
129054272	21	26	--	--	--	--	--	--
91205957	22	26	--	--	--	--	--	--
110433855	23	26	--	--	--	--	--	--
35777254	24	26	--	--	--	--	--	--
241062363	25	28	--	--	--	--	--	--
112384893	26	28	--	--	--	--	--	--
47144681	27	34	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

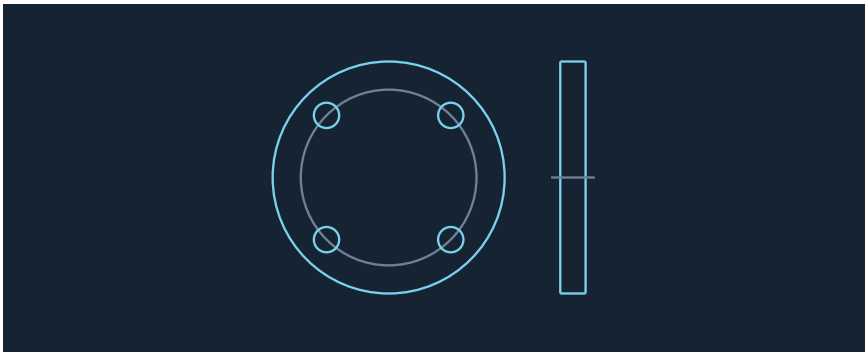
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 05 blind

3/3

25 catalog variants / entries 21-25. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
225136002	700	895	840	30	24	0	38
16814037	800	1015	950	33	24	0	48
67678716	900	1115	1050	33	28	0	50
159917001	1000	1230	1160	36	28	0	54
183791490	1200	1455	1380	39	32	0	66

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
225136002	28	38	--	--	--	--	--	--
16814037	29	48	--	--	--	--	--	--
67678716	30	50	--	--	--	--	--	--
159917001	31	54	--	--	--	--	--	--
183791490	32	66	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

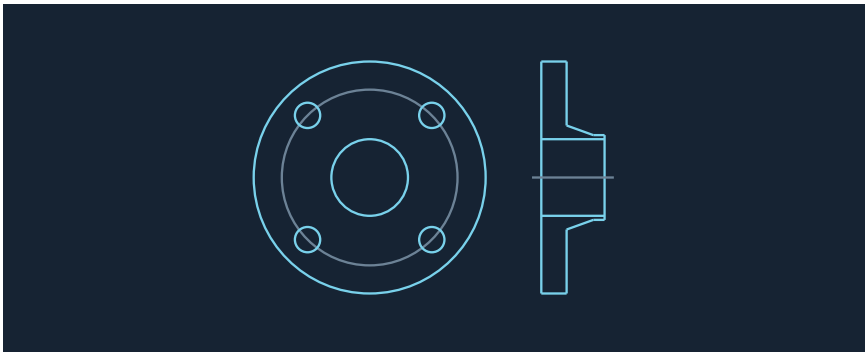
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 11 weld neck

1/4

34 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
244879432	10	90	60	14	4	13.2	16
243850275	15	95	65	14	4	17.3	16
193702893	20	105	75	14	4	22.3	18
234559674	25	115	85	14	4	28.5	18
82108943	32	140	100	18	4	37.2	18
8393042	40	150	110	18	4	43.1	18
46349729	50	165	125	18	4	54.5	18
159620273	65	185	145	18	8	70.3	18
133134290	80	200	160	18	8	82.5	20
87670129	100	220	180	18	8	107.1	20

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
244879432	8	35	28	17.2	6	4	2	--
243850275	9	38	32	21.3	6	4	2	--
193702893	10	40	40	26.9	6	4	2.3	--
234559674	11	40	46	33.7	6	4	2.6	--
82108943	12	42	56	42.4	6	6	2.6	--
8393042	13	45	64	48.3	7	6	2.6	--
46349729	14	45	74	60.3	8	6	2.9	--
159620273	15	45	92	76.1	10	6	2.9	--
133134290	16	50	105	88.9	10	6	3.2	--
87670129	17	52	131	114.3	12	8	3.6	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

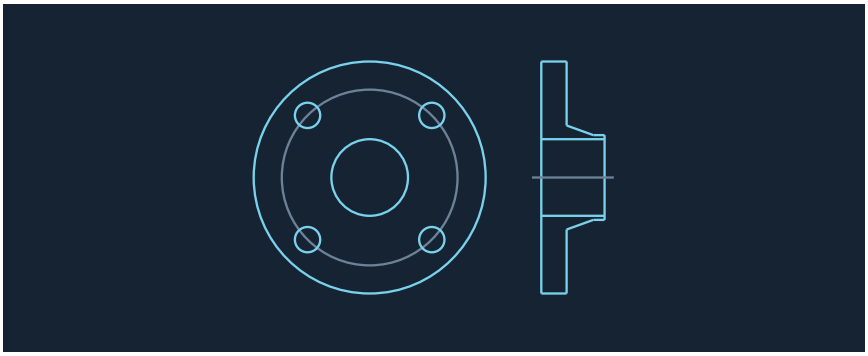
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 11 weld neck

2/4

34 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
65760827	125	250	210	18	8	131.7	22
86187177	150	285	240	22	8	159.3	22
222072194	200	340	295	22	8	206.5	24
100190610	250	395	350	22	12	260.4	26
142786927	300	445	400	22	12	309.7	26
266341904	350	505	460	22	16	341.4	26
246912777	400	565	515	26	16	392.2	26
187972610	450	615	565	26	20	442.8	28
91808290	500	670	620	26	20	493.8	28
228903333	600	780	725	30	20	594	30

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
65760827	18	55	156	139.7	12	8	4	--
86187177	19	55	184	168.3	12	10	4.5	--
222072194	20	62	234	219.1	16	10	6.3	--
100190610	21	68	292	273	16	12	6.3	--
142786927	22	68	342	323.9	16	12	7.1	--
266341904	23	68	385	355.6	16	12	7.1	--
246912777	24	72	440	406.4	16	12	7.1	--
187972610	25	72	488	457	16	12	7.1	--
91808290	26	75	542	508	16	12	7.1	--
228903333	27	82	642	610	18	12	8	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

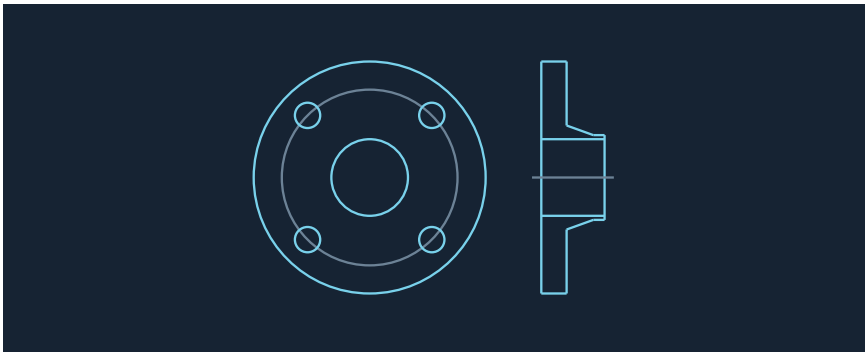
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 11 weld neck

3/4

34 catalog variants / entries 21-30. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
220138068	700	895	840	30	24	693.4	35
220563053	800	1015	950	33	24	795.4	38
72919860	900	1115	1050	33	28	889	38
259557693	1000	1230	1160	36	28	991	44
260447916	1200	1455	1380	39	32	1194	55
2431247	1400	1675	1590	42	36	1393.6	65
151452833	1600	1915	1820	48	40	1594	75
246026216	1800	2115	2020	48	44	1794	85
49814897	2000	2325	2230	48	48	1997	90
132670223	2200	2550	2440	56	52	2195	100

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
220138068	28	85	746	711	18	12	8.8	--
220563053	29	96	850	813	18	12	8.8	--
72919860	30	99	950	914	20	12	12.5	--
259557693	31	105	1052	1016	20	16	12.5	--
260447916	32	132	1256	1219	25	16	12.5	--
2431247	33	143	1460	1422	25	16	14.2	--
151452833	34	159	1666	1626	25	16	16	--
246026216	35	175	1868	1829	30	16	17.5	--
49814897	36	186	2072	2032	30	16	17.5	--
132670223	37	202	2275	2235	35	18	20	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

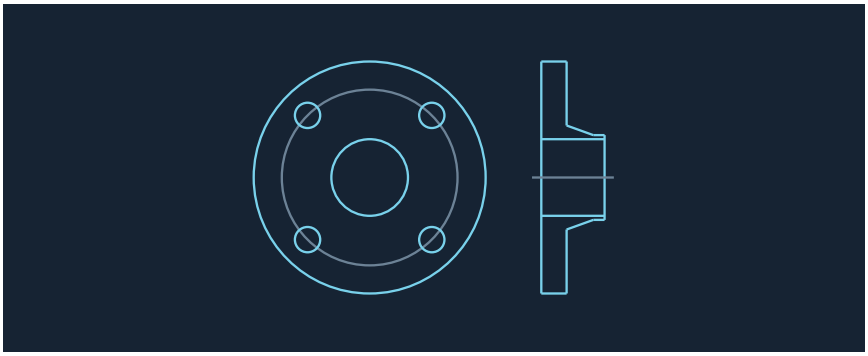
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 11 weld neck

4/4

34 catalog variants / entries 31-34. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
196478697	2400	2760	2650	56	56	2393.6	110
82742026	2600	2960	2850	56	60	2570	110
55252203	2800	3180	3070	56	64	2770	124
62902195	3000	3405	3290	62	68	2956	132

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
196478697	38	218	2478	2438	35	18	22.2	--
82742026	39	224	2680	2620	40	18	25	--
55252203	40	244	2882	2820	40	18	25	--
62902195	41	257	3085	3020	45	18	32	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

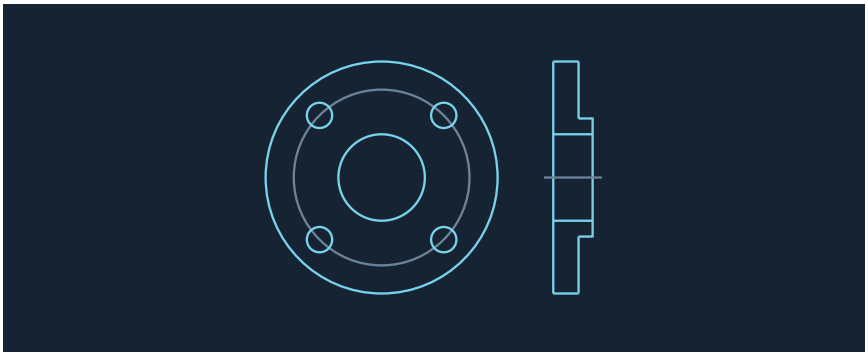
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 12 slip on

1/2

20 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
139595544	10	90	60	14	4	18	16
38779283	15	95	65	14	4	22	16
172997793	20	105	75	14	4	27.5	18
52537472	25	115	85	14	4	34.5	18
156090904	32	140	100	18	4	43.5	18
199822523	40	150	110	18	4	49.5	18
174644953	50	165	125	18	4	61.5	18
161276223	65	185	145	18	8	77.5	18
188995990	80	200	160	18	8	90.5	20
141148270	100	220	180	18	8	116	20

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
139595544	8	22	30	--	--	4	--	--
38779283	9	22	35	--	--	4	--	--
172997793	10	26	45	--	--	4	--	--
52537472	11	28	52	--	--	4	--	--
156090904	12	30	60	--	--	6	--	--
199822523	13	32	70	--	--	6	--	--
174644953	14	28	84	--	--	6	--	--
161276223	15	32	104	--	--	6	--	--
188995990	16	34	118	--	--	6	--	--
141148270	17	40	140	--	--	8	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

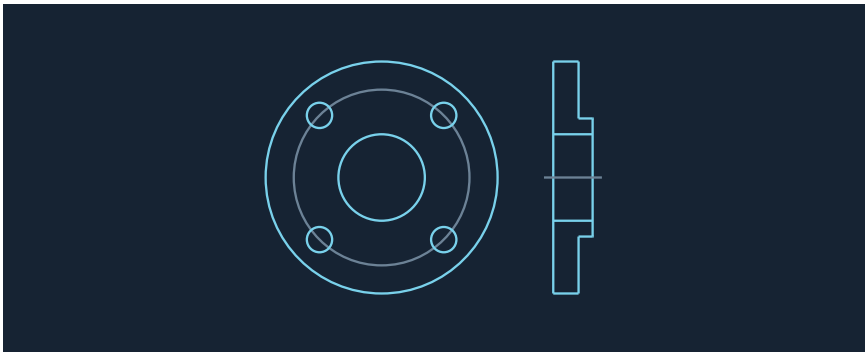
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN10 / Type 12 slip on

2/2

20 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
27667943	125	250	210	18	8	141.5	22
129827319	150	285	240	22	8	170.5	22
1984411	200	340	295	22	8	221.5	24
85265152	250	395	350	22	12	276.5	26
59769960	300	445	400	22	12	327.5	26
47483635	350	505	460	22	16	359.5	26
53119793	400	565	515	26	16	411	26
47573944	450	615	565	26	20	462	28
169184045	500	670	620	26	20	513.5	28
78302739	600	780	725	30	20	616.5	30

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
27667943	18	44	168	--	--	8	--	--
129827319	19	44	195	--	--	10	--	--
1984411	20	44	246	--	--	10	--	--
85265152	21	46	298	--	--	12	--	--
59769960	22	46	350	--	--	12	--	--
47483635	23	53	400	--	--	12	--	--
53119793	24	57	456	--	--	12	--	--
47573944	25	63	502	--	--	12	--	--
169184045	26	67	559	--	--	12	--	--
78302739	27	75	658	--	--	12	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

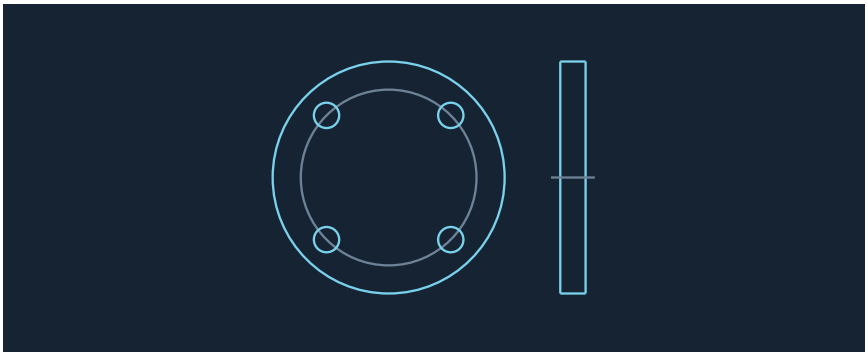
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 05 blind

1/3

23 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
37049316	15	95	65	14	4	0	16
227603996	20	105	75	14	4	0	18
19538080	25	115	85	14	4	0	18
157844439	32	140	100	18	4	0	18
87497977	40	150	110	18	4	0	18
142297398	50	165	125	18	4	0	18
229783329	65	185	145	18	8	0	18
51675413	80	200	160	18	8	0	20
33668376	100	220	180	18	8	0	20
136022317	125	250	210	18	8	0	22

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
37049316	8	16	--	--	--	--	--	--
227603996	9	18	--	--	--	--	--	--
19538080	10	18	--	--	--	--	--	--
157844439	11	18	--	--	--	--	--	--
87497977	12	18	--	--	--	--	--	--
142297398	13	18	--	--	--	--	--	--
229783329	14	18	--	--	--	--	--	--
51675413	15	20	--	--	--	--	--	--
33668376	16	20	--	--	--	--	--	--
136022317	17	22	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

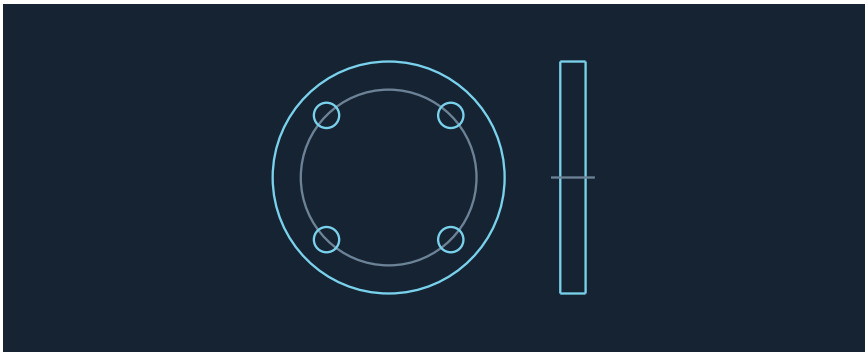
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 05 blind

2/3

23 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
98430531	150	285	240	22	8	0	22
52797233	200	340	295	22	12	0	24
149386359	250	405	355	26	12	0	26
242525198	300	460	410	26	12	0	28
1986576	350	520	470	26	16	0	30
25970503	400	580	525	30	16	0	32
95680246	450	640	585	30	20	0	40
12853452	500	715	650	33	20	0	44
56756095	600	840	770	36	20	0	54
198494812	700	910	840	36	24	0	58

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
98430531	18	22	--	--	--	--	--	--
52797233	19	24	--	--	--	--	--	--
149386359	20	26	--	--	--	--	--	--
242525198	21	28	--	--	--	--	--	--
1986576	22	30	--	--	--	--	--	--
25970503	23	32	--	--	--	--	--	--
95680246	24	40	--	--	--	--	--	--
12853452	25	44	--	--	--	--	--	--
56756095	26	54	--	--	--	--	--	--
198494812	27	58	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

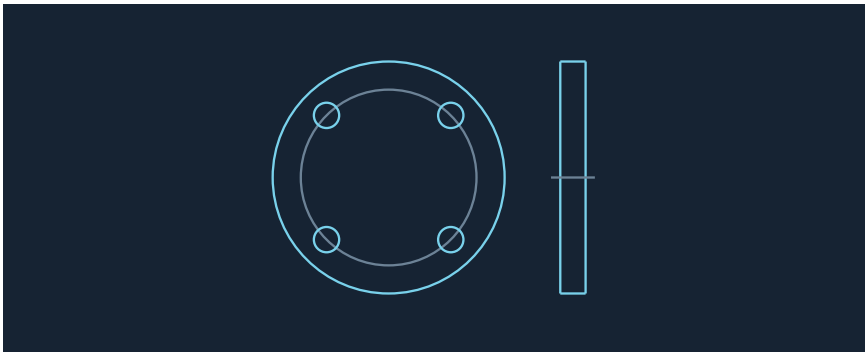
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 05 blind

3/3

23 catalog variants / entries 21-23. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
173845370	800	1025	950	39	24	0	62
62137566	900	1125	1050	39	28	0	64
245685918	1000	1255	1170	42	28	0	68

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
173845370	28	62	--	--	--	--	--	--
62137566	29	64	--	--	--	--	--	--
245685918	30	68	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

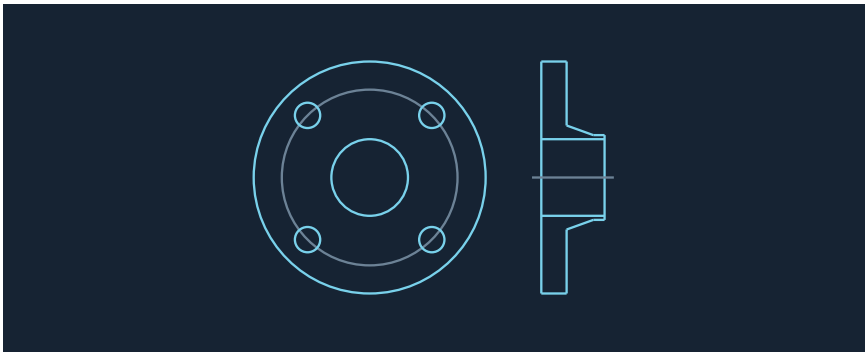
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 11 weld neck

1/3

28 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
32588970	15	95	65	14	4	17.3	16
226916485	20	105	75	14	4	22.3	18
24686603	25	115	85	14	4	28.5	18
138449058	32	140	100	18	4	37.2	18
62751157	40	150	110	18	4	43.1	18
106794783	50	165	125	18	4	54.5	18
123329983	65	185	145	18	8	70.3	18
113633197	80	200	160	18	8	82.5	20
86537408	100	220	180	18	8	107.1	20
98844198	125	250	210	18	8	131.7	22

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
32588970	8	38	32	21.3	6	4	2	--
226916485	9	40	40	26.9	6	4	2.3	--
24686603	10	40	46	33.7	6	4	2.6	--
138449058	11	42	56	42.4	6	6	2.6	--
62751157	12	45	64	48.3	7	6	2.6	--
106794783	13	45	74	60.3	8	6	2.9	--
123329983	14	45	92	76.1	10	6	2.9	--
113633197	15	50	105	88.9	10	6	3.2	--
86537408	16	52	131	114.3	12	8	3.6	--
98844198	17	55	156	139.7	12	8	4	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

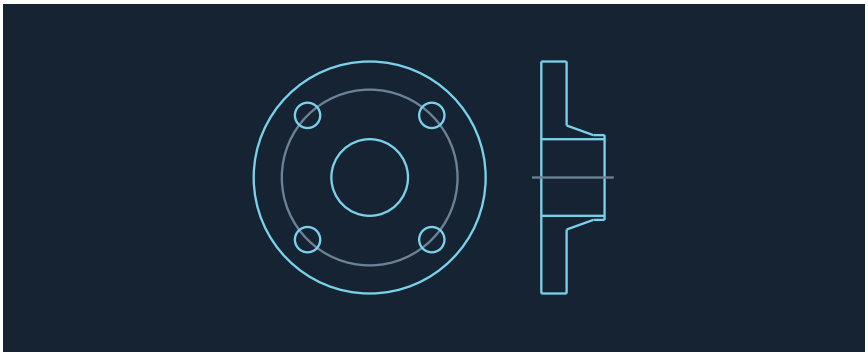
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 11 weld neck

2/3

28 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
47766404	150	285	240	22	8	159.3	22
198976226	200	340	295	22	12	206.5	24
216439509	250	405	355	26	12	260.4	26
263021045	300	460	410	26	12	309.7	28
92482171	350	520	470	26	16	339.6	30
24582239	400	580	525	30	16	390.4	32
36637947	450	640	585	30	20	441	34
261564497	500	715	650	33	20	492	36
159332877	600	840	770	36	20	590	40
17314141	700	910	840	36	24	691	40

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
47766404	18	55	184	168.3	12	10	4.5	--
198976226	19	62	235	219.1	16	10	6.3	--
216439509	20	70	292	273	16	12	6.3	--
263021045	21	78	344	323.9	16	12	7.1	--
92482171	22	82	390	355.6	16	12	8	--
24582239	23	85	445	406.4	16	12	8	--
36637947	24	83	490	457	16	12	8	--
261564497	25	84	548	508	16	12	8	--
159332877	26	88	670	610	18	12	10	--
17314141	27	104	755	711	18	12	10	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

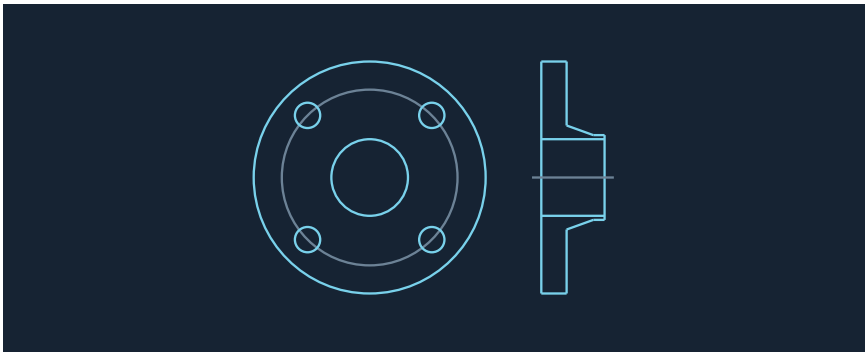
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 11 weld neck

3/3

28 catalog variants / entries 21-28. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
44085229	800	1025	950	39	24	788	41
156213919	900	1125	1050	39	28	889	48
150739173	1000	1255	1170	42	28	991	59
139567285	1200	1485	1390	48	32	1190.6	78
11666643	1400	1685	1590	48	36	1390	84
41042849	1600	1930	1820	56	40	1591	102
130366565	1800	2130	2020	56	44	1789	110
254113846	2000	2345	2230	62	48	1988	124

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
44085229	28	108	855	813	20	12	12.5	--
156213919	29	118	955	914	20	12	12.5	--
150739173	30	137	1058	1016	22	16	12.5	--
139567285	31	160	1262	1219	30	16	14.2	--
11666643	32	177	1465	1422	30	16	16	--
41042849	33	204	1668	1626	35	16	17.5	--
130366565	34	218	1870	1829	35	16	20	--
254113846	35	238	2072	2032	40	16	22	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

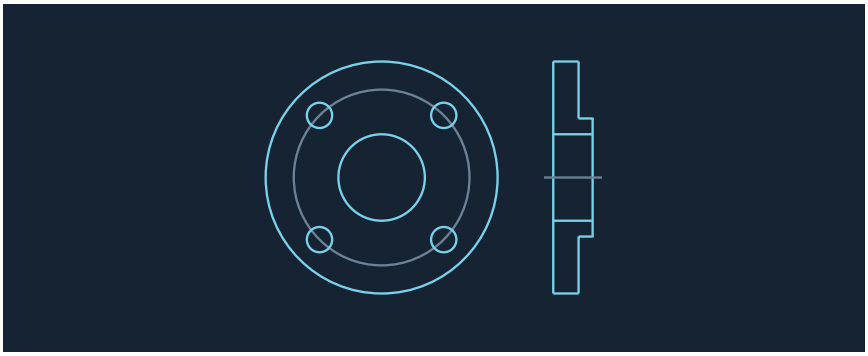
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 12 slip on

1/2

19 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
195463147	15	95	65	14	4	22	16
19938647	20	105	75	14	4	27.5	18
133903362	25	115	85	14	4	34.5	18
49368530	32	140	100	18	4	43.5	18
131361240	40	150	110	18	4	49.5	18
129645535	50	165	125	18	4	61.5	18
245273082	65	185	145	18	8	77.5	18
160923656	80	200	160	18	8	90.5	20
129741951	100	220	180	18	8	116	20
233675078	125	250	210	18	8	141.5	22

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
195463147	8	22	35	--	--	4	--	--
19938647	9	26	45	--	--	4	--	--
133903362	10	28	52	--	--	4	--	--
49368530	11	30	60	--	--	6	--	--
131361240	12	32	70	--	--	6	--	--
129645535	13	28	84	--	--	6	--	--
245273082	14	32	104	--	--	6	--	--
160923656	15	34	118	--	--	6	--	--
129741951	16	40	140	--	--	8	--	--
233675078	17	44	168	--	--	8	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

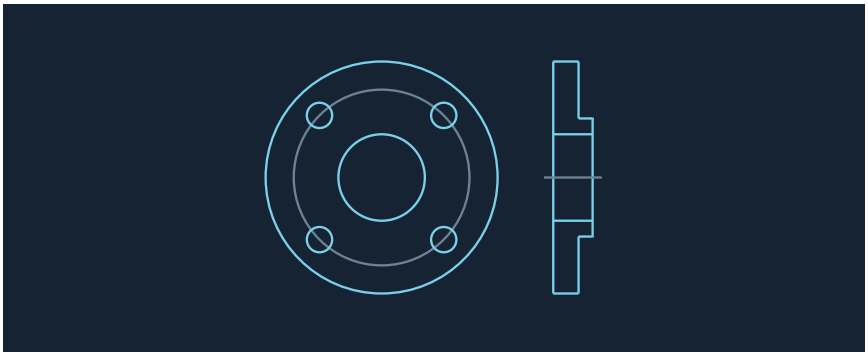
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN16 / Type 12 slip on

2/2

19 catalog variants / entries 11-19. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
265741271	150	285	240	22	8	170.5	22
267786607	200	340	295	22	12	221.5	24
194848772	250	405	355	26	12	276.5	26
155139289	300	460	410	26	12	327.5	28
7878004	350	520	470	26	16	359	30
113969743	400	580	525	30	16	411	32
83767774	450	640	585	30	20	462	34
238152060	500	715	650	33	20	513.5	36
6502435	600	840	770	36	20	616.5	40

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
265741271	18	44	195	--	--	10	--	--
267786607	19	44	246	--	--	10	--	--
194848772	20	46	298	--	--	12	--	--
155139289	21	46	350	--	--	12	--	--
7878004	22	57	400	--	--	12	--	--
113969743	23	63	456	--	--	12	--	--
83767774	24	68	502	--	--	12	--	--
238152060	25	73	559	--	--	12	--	--
6502435	26	83	658	--	--	12	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

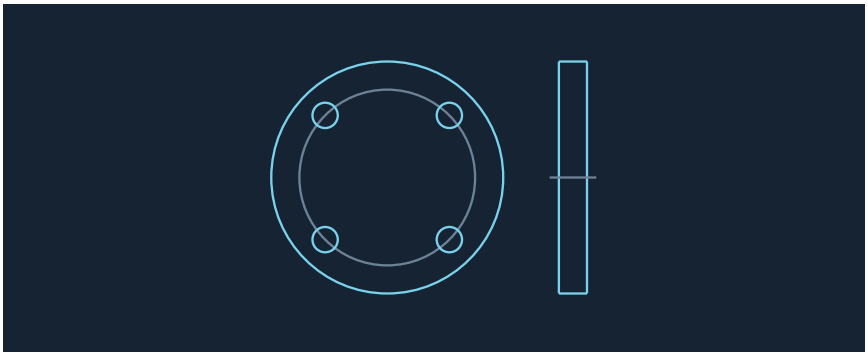
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 05 blind

1/3

22 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
266700844	15	95	65	14	4	0	16
254534879	20	105	75	14	4	0	18
145085111	25	115	85	14	4	0	18
145077382	32	140	100	18	4	0	18
110381663	40	150	110	18	4	0	18
111553618	50	165	125	18	4	0	20
95207405	65	185	145	18	8	0	22
158854149	80	200	160	18	8	0	24
228244869	100	235	190	22	8	0	24
85973270	125	270	220	26	8	0	26

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
266700844	8	16	--	--	--	--	--	--
254534879	9	18	--	--	--	--	--	--
145085111	10	18	--	--	--	--	--	--
145077382	11	18	--	--	--	--	--	--
110381663	12	18	--	--	--	--	--	--
111553618	13	20	--	--	--	--	--	--
95207405	14	22	--	--	--	--	--	--
158854149	15	24	--	--	--	--	--	--
228244869	16	24	--	--	--	--	--	--
85973270	17	26	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

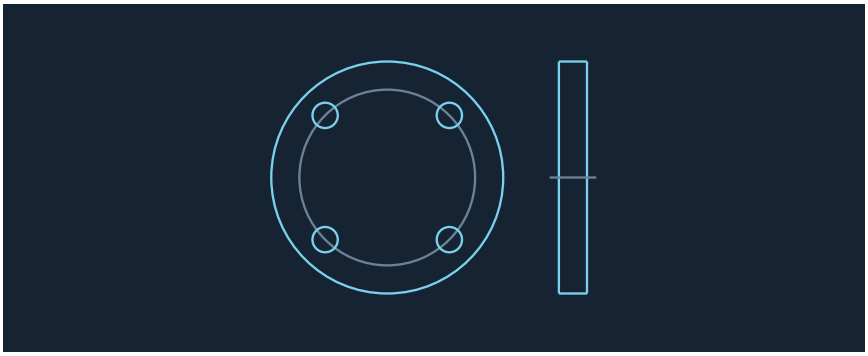
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 05 blind

2/3

22 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
41855130	150	300	250	26	8	0	28
142052611	200	360	310	26	12	0	30
237596420	250	425	370	30	12	0	32
60127450	300	485	430	30	16	0	34
254431331	350	555	490	33	16	0	38
139398373	400	620	550	36	16	0	40
25040614	450	670	600	36	20	0	50
173354704	500	730	660	36	20	0	51
234949918	600	845	770	39	20	0	66
174665368	700	960	875	42	24	0	38

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
41855130	18	28	--	--	--	--	--	--
142052611	19	30	--	--	--	--	--	--
237596420	20	32	--	--	--	--	--	--
60127450	21	34	--	--	--	--	--	--
254431331	22	38	--	--	--	--	--	--
139398373	23	40	--	--	--	--	--	--
25040614	24	50	--	--	--	--	--	--
173354704	25	51	--	--	--	--	--	--
234949918	26	66	--	--	--	--	--	--
174665368	27	38	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

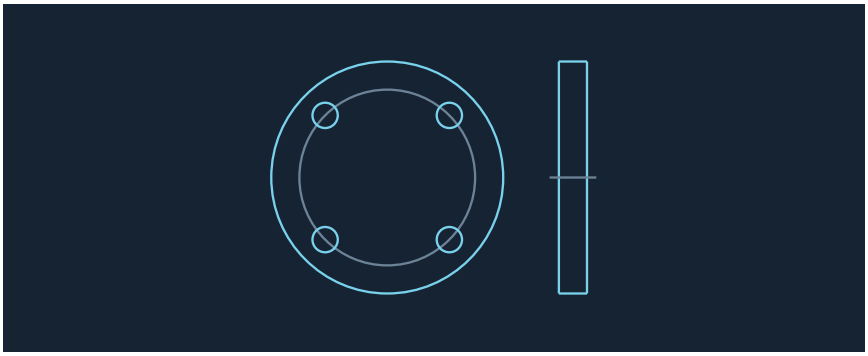
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 05 blind

3/3

22 catalog variants / entries 21-22. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
262018784	900	1185	1090	48	28	0	50
185575070	1000	1320	1210	56	28	0	54

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
262018784	29	50	--	--	--	--	--	--
185575070	30	54	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

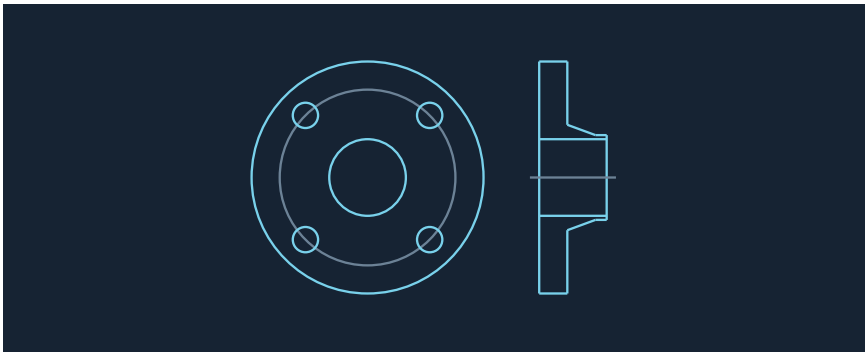
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 11 weld neck

1/3

23 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
123191536	15	95	65	14	4	17.3	16
240128494	20	105	75	14	4	22.3	18
143848905	25	115	85	14	4	28.5	18
108642012	32	140	100	18	4	37.2	18
32925669	40	150	110	18	4	43.1	18
135218956	50	165	125	18	4	54.5	20
53081552	65	185	145	18	8	70.3	22
156423067	80	200	160	18	8	82.5	24
77607667	100	235	190	22	8	107.1	24
264332597	125	270	220	26	8	131.7	26

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
123191536	8	38	32	21.3	6	4	2	--
240128494	9	40	40	26.9	6	4	2.3	--
143848905	10	40	46	33.7	6	4	2.6	--
108642012	11	42	56	42.4	6	6	2.6	--
32925669	12	45	64	48.3	7	6	2.6	--
135218956	13	48	75	60.3	8	6	2.9	--
53081552	14	52	90	76.1	10	6	2.9	--
156423067	15	58	105	88.9	12	8	3.2	--
77607667	16	65	134	114.3	12	8	3.6	--
264332597	17	68	162	139.7	12	8	4	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

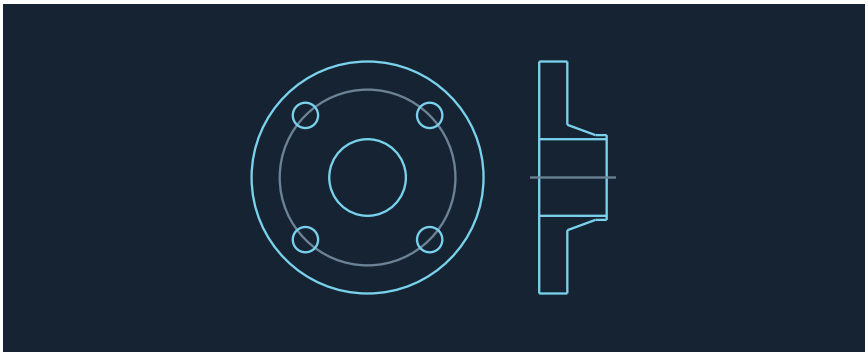
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 11 weld neck

2/3

23 catalog variants / entries 11-20. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
55298984	150	300	250	26	8	159.3	28
119447808	200	360	310	26	12	206.5	30
8663348	250	425	370	30	12	258.8	32
157774444	300	485	430	30	16	307.9	34
249502604	350	555	490	33	16	339.6	38
43074263	400	620	550	36	16	388.8	40
64022384	450	670	600	36	20	439.4	46
238237768	500	730	660	36	20	488	48
222243680	600	845	770	39	20	588	48
44234190	700	960	875	42	24	682.6	50

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
55298984	18	75	192	168.3	12	10	4.5	--
119447808	19	80	244	219.1	16	10	6.3	--
8663348	20	88	298	273	18	12	7.1	--
157774444	21	92	352	323.9	18	12	8	--
249502604	22	100	398	355.6	20	12	8	--
43074263	23	110	452	406.4	20	12	8.8	--
64022384	24	110	500	457	20	12	8.8	--
238237768	25	125	558	508	20	12	10	--
222243680	26	125	660	610	20	12	11	--
44234190	27	129	760	711	20	12	14.2	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

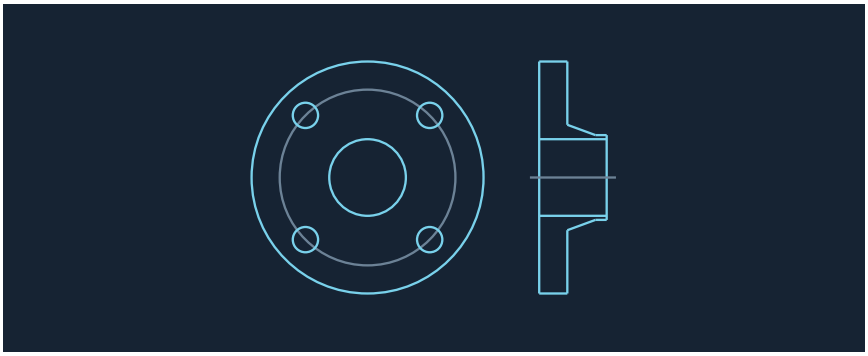
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 11 weld neck

3/3

23 catalog variants / entries 21-23. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
198448399	800	1085	990	48	24	781	53
40052364	900	1185	1090	48	28	879	57
10224317	1000	1320	1210	56	28	976	63

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
198448399	28	138	864	813	22	12	16	--
40052364	29	148	968	914	24	12	17.5	--
10224317	30	160	1070	1016	24	16	20	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

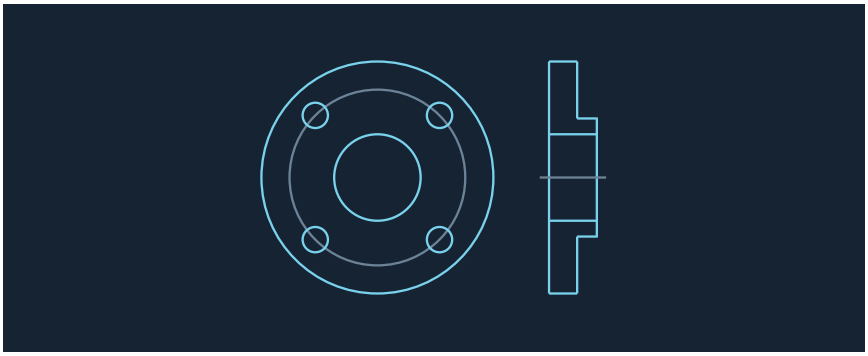
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 12 slip on

1/2

19 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
108124745	15	95	65	14	4	22	16
157456296	20	105	75	14	4	27.5	18
263820684	25	115	85	14	4	34.5	18
211023764	32	140	100	18	4	43.5	18
106770290	40	150	110	18	4	49.5	18
24134770	50	165	125	18	4	61.5	20
145361739	65	185	145	18	8	77.5	22
234659782	80	200	160	18	8	90.5	24
261946255	100	235	190	22	8	116	24
8081521	125	270	220	26	8	141.5	26

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
108124745	8	22	35	--	--	4	--	--
157456296	9	26	45	--	--	4	--	--
263820684	10	28	52	--	--	4	--	--
211023764	11	30	60	--	--	6	--	--
106770290	12	32	70	--	--	6	--	--
24134770	13	34	84	--	--	6	--	--
145361739	14	38	104	--	--	6	--	--
234659782	15	40	118	--	--	8	--	--
261946255	16	44	145	--	--	8	--	--
8081521	17	48	170	--	--	8	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

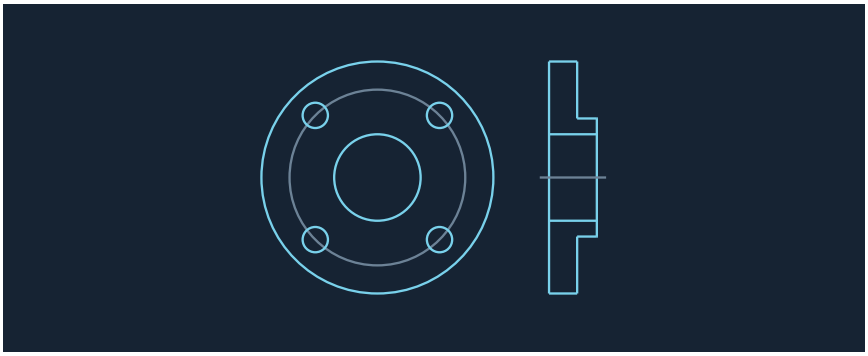
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN25 / Type 12 slip on

2/2

19 catalog variants / entries 11-19. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
259709715	150	300	250	26	8	170.5	28
97670529	200	360	310	26	12	221.5	30
174893737	250	425	370	30	12	276.5	32
121198814	300	485	430	30	16	327.5	34
76504157	350	555	490	33	16	359.5	38
184105378	400	620	550	36	16	411	40
110076040	450	670	600	36	20	462	46
118122812	500	730	660	36	20	513.5	48
42809390	600	845	770	39	20	616.5	48

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
259709715	18	52	200	--	--	10	--	--
97670529	19	52	256	--	--	10	--	--
174893737	20	60	310	--	--	12	--	--
121198814	21	67	364	--	--	12	--	--
76504157	22	72	418	--	--	12	--	--
184105378	23	78	472	--	--	12	--	--
110076040	24	84	520	--	--	12	--	--
118122812	25	90	580	--	--	12	--	--
42809390	26	100	684	--	--	12	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

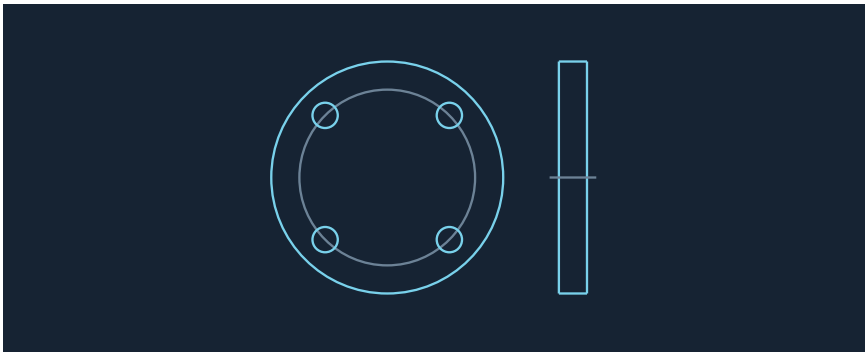
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN40 / Type 05 blind

1/2

19 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
20629378	15	95	65	14	4	0	16
163128570	20	105	75	14	4	0	18
51083634	25	115	85	14	4	0	18
123557101	32	140	100	18	4	0	18
82051976	40	150	110	18	4	0	18
240062992	50	165	125	18	4	0	20
111607224	65	185	145	18	8	0	22
112009935	80	200	160	18	8	0	24
223645091	100	235	190	22	8	0	24
53633770	125	270	220	26	8	0	26

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
20629378	8	16	--	--	--	--	--	--
163128570	9	18	--	--	--	--	--	--
51083634	10	18	--	--	--	--	--	--
123557101	11	18	--	--	--	--	--	--
82051976	12	18	--	--	--	--	--	--
240062992	13	20	--	--	--	--	--	--
111607224	14	22	--	--	--	--	--	--
112009935	15	24	--	--	--	--	--	--
223645091	16	24	--	--	--	--	--	--
53633770	17	26	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

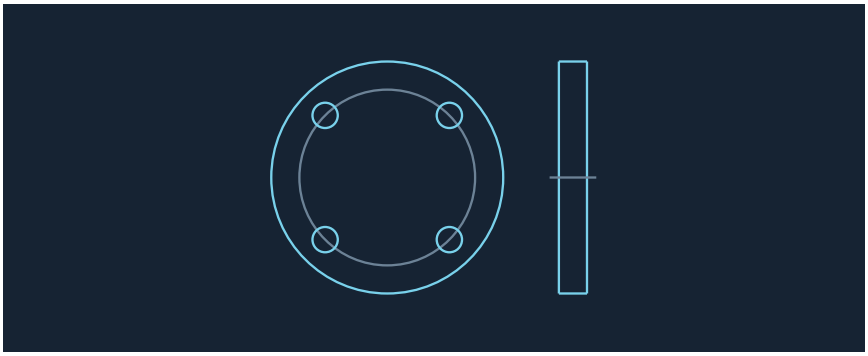
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN40 / Type 05 blind

2/2

19 catalog variants / entries 11-19. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
28981480	150	300	250	26	8	0	28
45883035	200	375	320	30	12	0	36
236734464	250	450	385	33	12	0	38
198324423	300	515	450	33	16	0	42
74339338	350	580	510	36	16	0	46
226035318	400	660	585	39	16	0	50
223158324	450	685	610	39	20	0	57
153927050	500	755	670	42	20	0	57
245244542	600	890	795	48	20	0	72

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
28981480	18	28	--	--	--	--	--	--
45883035	19	36	--	--	--	--	--	--
236734464	20	38	--	--	--	--	--	--
198324423	21	42	--	--	--	--	--	--
74339338	22	46	--	--	--	--	--	--
226035318	23	50	--	--	--	--	--	--
223158324	24	57	--	--	--	--	--	--
153927050	25	57	--	--	--	--	--	--
245244542	26	72	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

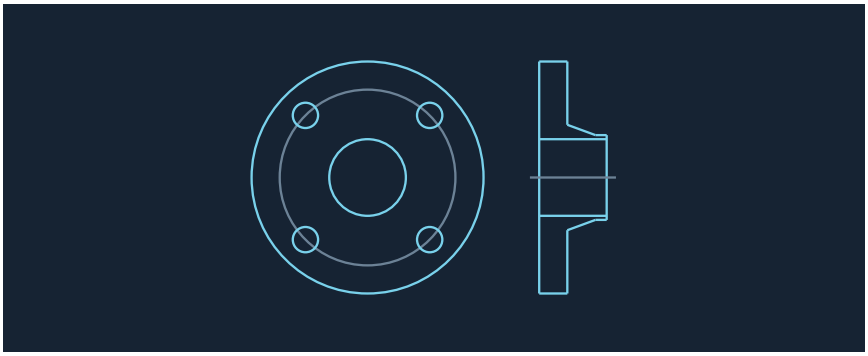
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN40 / Type 11 weld neck

1/2

19 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
26659801	15	95	65	14	4	17.3	16
181628374	20	105	75	14	4	22.3	18
216622415	25	115	85	14	4	28.5	18
251755880	32	140	100	18	4	37.2	18
73293554	40	150	110	18	4	43.1	18
100767125	50	165	125	18	4	54.5	20
214445570	65	185	145	18	8	70.3	22
221101825	80	200	160	18	8	82.5	24
96843756	100	235	190	22	8	107.1	24
42271816	125	270	220	26	8	131.7	26

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
26659801	8	38	32	21.3	6	4	2	--
181628374	9	40	40	26.9	6	4	2.3	--
216622415	10	40	46	33.7	6	4	2.6	--
251755880	11	42	56	42.4	6	6	2.6	--
73293554	12	45	64	48.3	7	6	2.6	--
100767125	13	48	75	60.3	8	6	2.9	--
214445570	14	52	90	76.1	10	6	2.9	--
221101825	15	58	105	88.9	12	8	3.2	--
96843756	16	65	134	114.3	12	8	3.6	--
42271816	17	68	162	139.7	12	8	4	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

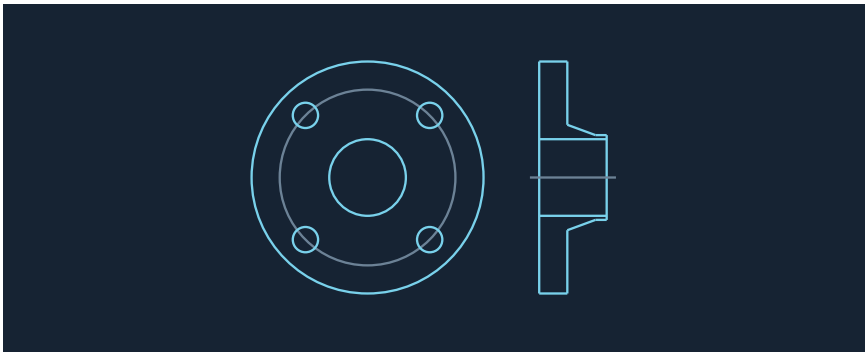
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN40 / Type 11 weld neck

2/2

19 catalog variants / entries 11-19. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
133361639	150	300	250	26	8	159.3	28
74888808	200	375	320	30	12	206.5	34
223621020	250	450	385	33	12	258.8	38
47594840	300	515	450	33	16	307.9	42
91863225	350	580	510	36	16	338	46
168387082	400	660	585	39	16	384.4	50
151058707	450	685	610	39	20	432	57
112312969	500	755	670	42	20	479.6	57
86755210	600	890	795	48	20	578	72

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
133361639	18	75	192	168.3	12	10	4.5	--
74888808	19	88	244	219.1	16	10	6.3	--
223621020	20	105	306	273	18	12	7.1	--
47594840	21	115	362	323.9	18	12	8	--
91863225	22	125	408	355.6	20	12	8.8	--
168387082	23	135	462	406.4	20	12	11	--
151058707	24	135	500	457	20	12	12.5	--
112312969	25	140	562	508	20	12	14.2	--
86755210	26	150	666	610	20	12	16	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

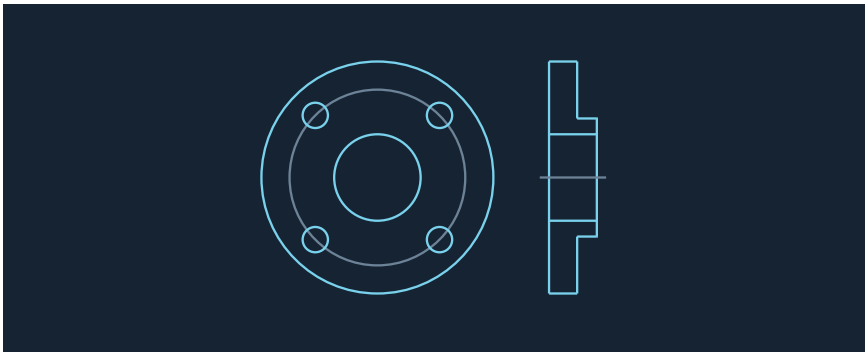
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN40 / Type 12 slip on

1/2

19 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
36862172	15	95	65	14	4	22	16
218800691	20	105	75	14	4	27.5	18
52443905	25	115	85	14	4	34.5	18
95689760	32	140	100	18	4	43.5	18
114833128	40	150	110	18	4	49.5	18
50986678	50	165	125	18	4	61.5	20
66003406	65	185	145	18	8	77.5	22
40659024	80	200	160	18	8	90.5	24
108616116	100	235	190	22	8	116	24
178264971	125	270	220	26	8	141.5	26

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
36862172	8	22	35	--	--	4	--	--
218800691	9	26	45	--	--	4	--	--
52443905	10	28	52	--	--	4	--	--
95689760	11	30	60	--	--	6	--	--
114833128	12	32	70	--	--	6	--	--
50986678	13	34	84	--	--	6	--	--
66003406	14	38	104	--	--	6	--	--
40659024	15	40	118	--	--	8	--	--
108616116	16	44	145	--	--	8	--	--
178264971	17	48	170	--	--	8	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

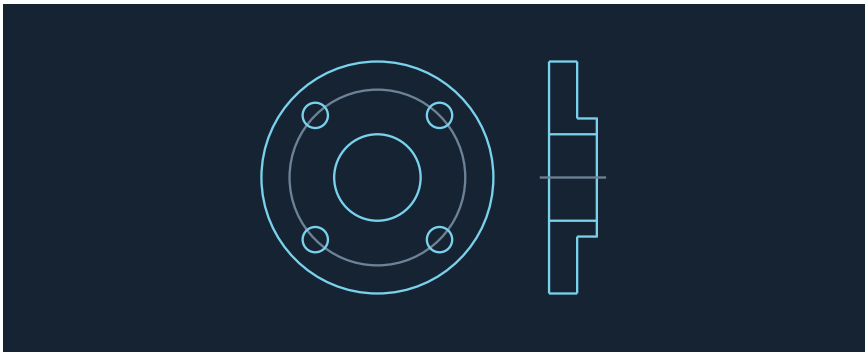
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN40 / Type 12 slip on

2/2

19 catalog variants / entries 11-19. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN50 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
13746095	150	300	250	26	8	170.5	28
219863883	200	375	320	30	12	221.5	34
97922627	250	450	385	33	12	276.5	38
13296996	300	515	450	33	16	327.5	42
15304562	350	580	510	36	16	359.5	46
131393694	400	660	585	39	16	411	50
64324379	450	685	610	39	20	462	57
187252998	500	755	670	42	20	513.5	57
214061106	600	890	795	48	20	616.5	72

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
13746095	18	52	200	--	--	10	--	--
219863883	19	52	260	--	--	10	--	--
97922627	20	60	312	--	--	12	--	--
13296996	21	67	380	--	--	12	--	--
15304562	22	72	424	--	--	12	--	--
131393694	23	78	478	--	--	12	--	--
64324379	24	84	522	--	--	12	--	--
187252998	25	90	576	--	--	12	--	--
214061106	26	100	686	--	--	12	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

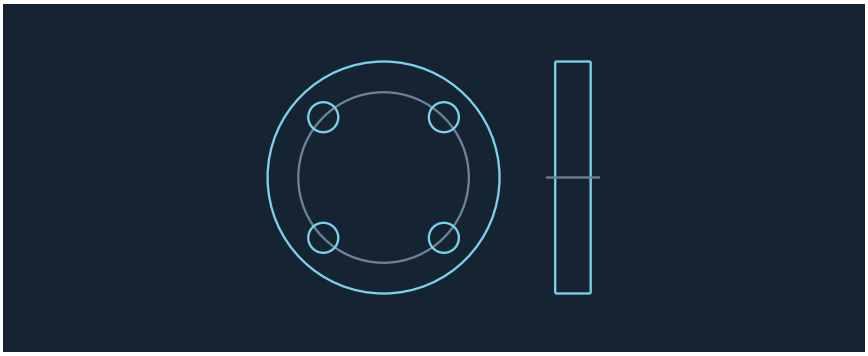
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN63 / Type 05 blind

1/2

16 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN40 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
145021231	15	105	75	14	4	0	20
209947496	20	130	90	18	4	0	22
180726583	25	140	100	18	4	0	24
156031365	32	155	110	22	4	0	24
156188809	40	170	125	22	4	0	26
234400967	50	180	135	22	4	0	26
222269960	65	205	160	22	8	0	26
250280441	80	215	170	22	8	0	28
173253752	100	250	200	26	8	0	30
194387243	125	295	240	30	8	0	34

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
145021231	8	20	--	--	--	--	--	--
209947496	9	22	--	--	--	--	--	--
180726583	10	24	--	--	--	--	--	--
156031365	11	24	--	--	--	--	--	--
156188809	12	26	--	--	--	--	--	--
234400967	13	26	--	--	--	--	--	--
222269960	14	26	--	--	--	--	--	--
250280441	15	28	--	--	--	--	--	--
173253752	16	30	--	--	--	--	--	--
194387243	17	34	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

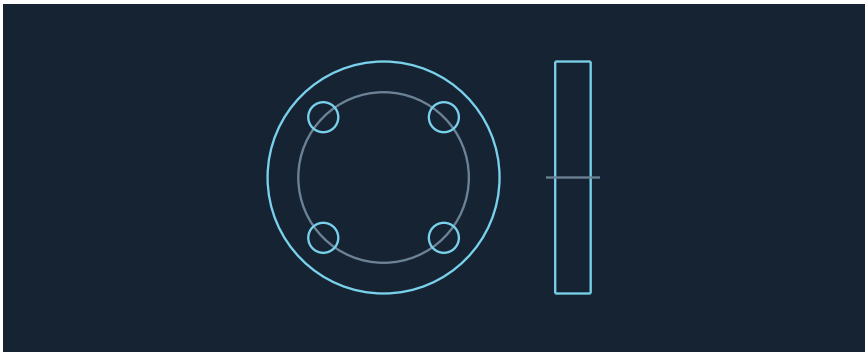
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN63 / Type 05 blind

2/2

16 catalog variants / entries 11-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN40 | Type 05 blind

ID	DN	D	K	d	n holes	BORE	t
228103742	150	345	280	33	8	0	36
252468932	200	415	345	36	12	0	42
64411070	250	470	400	36	12	0	46
222311387	300	530	460	36	16	0	52
16370512	350	600	525	39	16	0	56
178379032	400	670	585	42	16	0	60

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
228103742	18	36	--	--	--	--	--	--
252468932	19	42	--	--	--	--	--	--
64411070	20	46	--	--	--	--	--	--
222311387	21	52	--	--	--	--	--	--
16370512	22	56	--	--	--	--	--	--
178379032	23	60	--	--	--	--	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

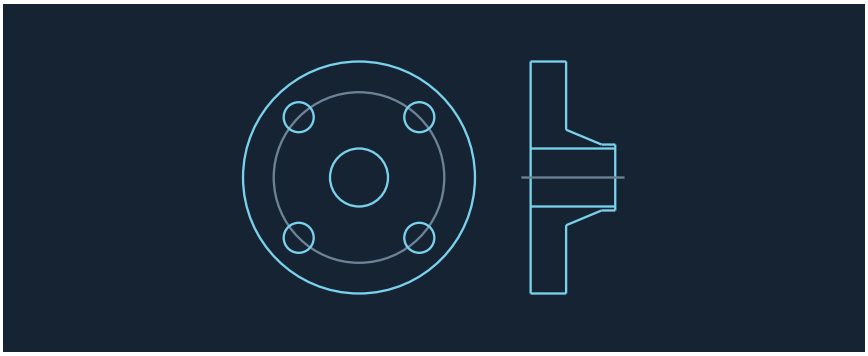
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN63 / Type 11 weld neck

1/2

16 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN40 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
245373037	15	105	75	14	4	17.3	20
196796617	20	130	90	18	4	21.7	22
138607300	25	140	100	18	4	28.5	24
97395518	32	155	110	22	4	36.6	24
218036097	40	170	125	22	4	42.5	26
261888958	50	180	135	22	4	52.3	26
193988216	65	205	160	22	8	68.1	26
220795424	80	215	170	22	8	79.9	28
98468792	100	250	200	26	8	105.3	30
209227219	125	295	240	30	8	128.5	34

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
245373037	8	45	34	21.3	6	4	2	--
196796617	9	48	42	26.9	8	4	2.6	--
138607300	10	58	52	33.7	8	4	2.6	--
97395518	11	60	62	42.4	8	6	2.9	--
218036097	12	62	70	48.3	10	6	2.9	--
261888958	13	62	82	60.3	10	6	4	--
193988216	14	68	98	76.1	12	6	4	--
220795424	15	72	112	88.9	12	8	4.5	--
98468792	16	78	138	114.3	12	8	4.5	--
209227219	17	88	168	139.7	12	8	5.6	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

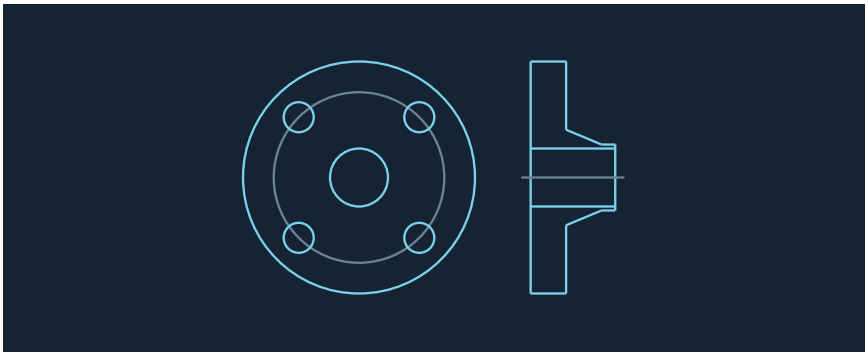
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN63 / Type 11 weld neck

2/2

16 catalog variants / entries 11-16. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN40 | Type 11 weld neck

ID	DN	D	K	d	n holes	BORE	t
176538752	150	345	280	33	8	155.7	36
223049098	200	415	345	36	12	204.9	42
70149894	250	470	400	36	12	255.4	46
186425134	300	530	460	36	16	301.9	52
5528507	350	600	525	39	16	330.6	56
258054166	400	670	585	42	16	378	60

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
176538752	18	95	202	168.3	12	10	6.3	--
223049098	19	110	256	219.1	16	10	7.1	--
70149894	20	125	316	273	18	12	8.8	--
186425134	21	140	372	323.9	18	12	11	--
5528507	22	150	420	355.6	20	12	12.5	--
258054166	23	160	475	406.4	20	12	14.2	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

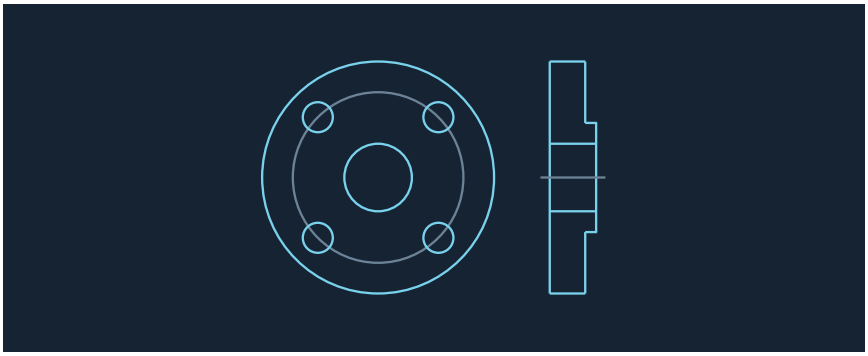
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN63 / Type 12 slip on

1/2

11 catalog variants / entries 1-10. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN40 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
162978092	15	105	75	14	4	22	20
186475027	20	130	90	18	4	27.5	22
267619416	25	140	100	18	4	34.5	24
139345501	32	155	110	22	4	43.5	24
218151028	40	170	125	22	4	49.5	26
128215836	50	180	135	22	4	61.5	26
257597856	65	205	160	22	8	77.5	26
101049120	80	215	170	22	8	90.5	28
254164102	100	250	200	26	8	116	30
221201101	125	295	240	30	8	141.5	34

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
162978092	8	28	43	--	--	4	--	--
186475027	9	30	52	--	--	4	--	--
267619416	10	32	60	--	--	4	--	--
139345501	11	32	68	--	--	6	--	--
218151028	12	34	80	--	--	6	--	--
128215836	13	36	90	--	--	6	--	--
257597856	14	40	112	--	--	6	--	--
101049120	15	44	125	--	--	8	--	--
254164102	16	52	152	--	--	8	--	--
221201101	17	56	185	--	--	8	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

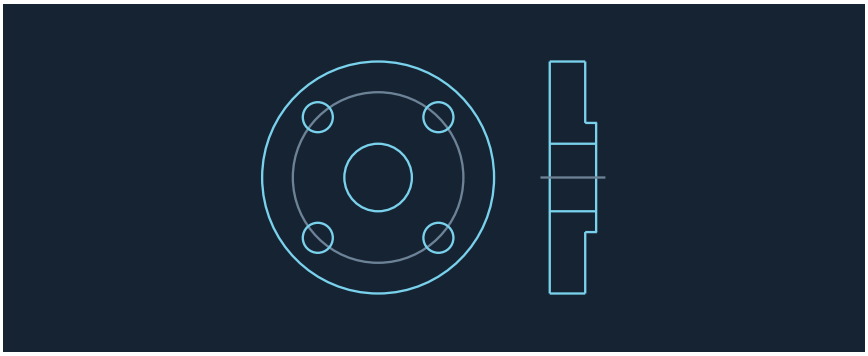
03 / FLANGES AND CONNECTIONS

Dimensions and variants

EN flanges PN63 / Type 12 slip on

2/2

11 catalog variants / entries 11-11. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



D: flange OD; K: bolt circle. d / n: bolt-hole diameter / count. Bore: opening. t: flange thickness. H: total height. H3: straight neck. R: source corner radius.

Typical drawing: DN40 | Type 12 slip on

ID	DN	D	K	d	n holes	BORE	t
3990594	150	345	280	33	8	170.5	36

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	H	HUB OD	NECK OD	H3	R	NECK WALL	MASS kg
3990594	18	60	215	--	--	10	--	--

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Source fields, notes and full-precision values are in the attached piping CSV.

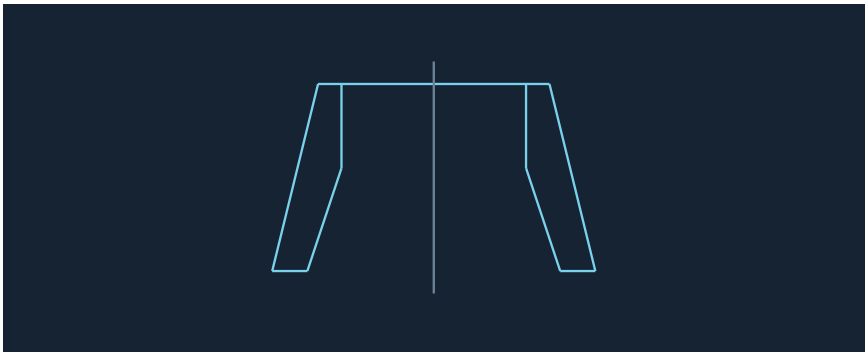
03 / FLANGES AND CONNECTIONS

Dimensions and variants

BW branch fittings

1/1

3 catalog variants / entries 1-3. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD / t: branch pipe size. A / B: source branch dimensions. A1: socket depth; A2: lower height. Construction dimensions (*) retain SDS display choices.

Typical drawing: NPS 1 | STD | Weldolet

ID	NPS	CLASS / VAR.	OD	t	A	B	BORE
93061310	1/2	STD	21.3	2.77	19	24	15.76
120354266	3/4	STD	26.7	2.87	22	30	20.96
175129726	1	STD	33.4	3.38	27	36.5	26.64

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	A1	A2	BASE OD*	TOP OD*	SOCKET*	MASS kg
93061310	39	0	19	32.31	21.3	0	0.08
120354266	40	0	22	38.61	26.7	0	0.12
175129726	41	0	27	46.64	33.4	0	0.22

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Branch contours and cosmetic threads are simplified. Source fields, notes and full-precision values are in the attached piping CSV.

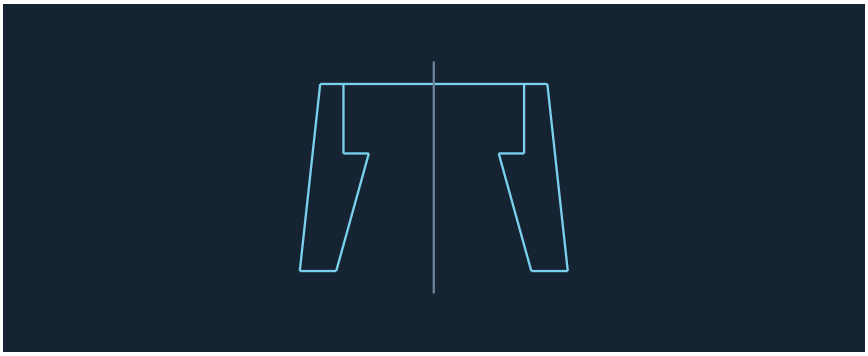
03 / FLANGES AND CONNECTIONS

Dimensions and variants

SW branch fittings

1/1

3 catalog variants / entries 1-3. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD / t: branch pipe size. A / B: source branch dimensions. A1: socket depth; A2: lower height. Construction dimensions (*) retain SDS display choices.

Typical drawing: NPS 1 | Class 3000 | Sockolet

ID	NPS	CLASS / VAR.	OD	t	A	B	BORE
28343061	1/2	Class 3000	21.3	3.73	26	24	13.84
178249499	3/4	Class 3000	26.7	3.91	29	30	18.88
77360174	1	Class 3000	33.4	4.55	35	36.5	24.3

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	A1	A2	BASE OD*	TOP OD*	SOCKET*	MASS kg
28343061	11	10	16	35.19	29.3	21.7	0.11
178249499	12	13	16	41.73	34.7	27.1	0.17
77360174	13	13	22	50.15	42.5	33.8	0.29

SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Branch contours and cosmetic threads are simplified. Source fields, notes and full-precision values are in the attached piping CSV.

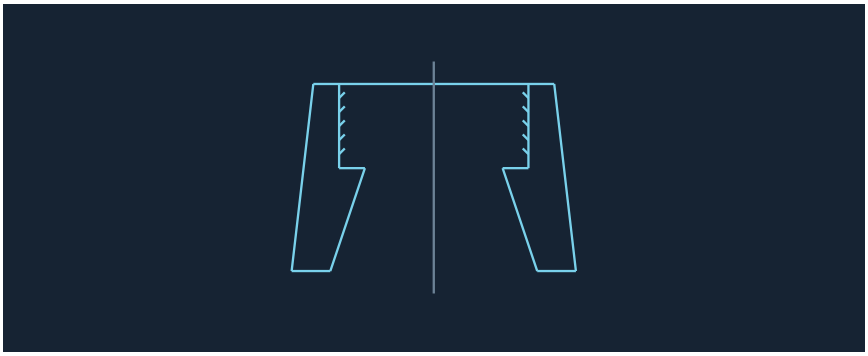
03 / FLANGES AND CONNECTIONS

Dimensions and variants

THD branch fittings

1/1

3 catalog variants / entries 1-3. Lengths: mm. NPS is a nominal inch designation; DN is a nominal size.



OD / t: branch pipe size. A / B: source branch dimensions. A1: socket depth; A2: lower height. Construction dimensions (*) retain SDS display choices.

Typical drawing: NPS 1 | Class 3000 | Thredolet

ID	NPS	CLASS / VAR.	OD	t	A	B	BORE
15851606	1/2	Class 3000	21.3	3.73	25	24	13.84
43491103	3/4	Class 3000	26.7	3.91	27	30	18.88
154643293	1	Class 3000	33.4	4.55	33	36.5	24.3

ADDITIONAL DIMENSIONS AND SOURCE REFERENCES

ID	ROW	A1	A2	BASE OD*	TOP OD*	SOCKET*	MASS kg
15851606	11	0	25	35.19	29.3	21.3	0.11
43491103	12	0	27	41.73	34.7	26.7	0.17
154643293	13	0	33	50.15	42.5	33.4	0.29

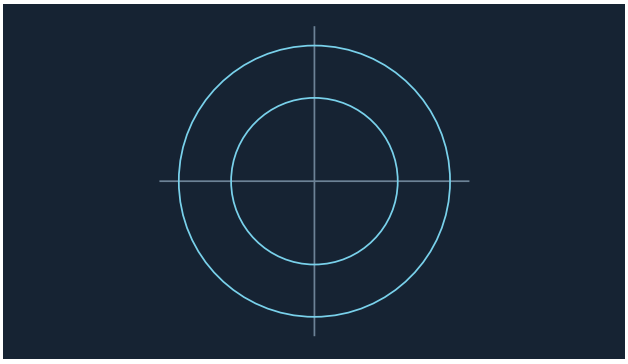
SDS drawable entries only; nominal geometry, with source identity preserved. -- = not supplied or not applicable. Branch contours and cosmetic threads are simplified. Source fields, notes and full-precision values are in the attached piping CSV.

03 / FLANGES AND CONNECTIONS

Joint assembly components

Parametric companions to flanged assemblies. These diagrams show the editable geometry; no manufacturer or pressure class is assigned.

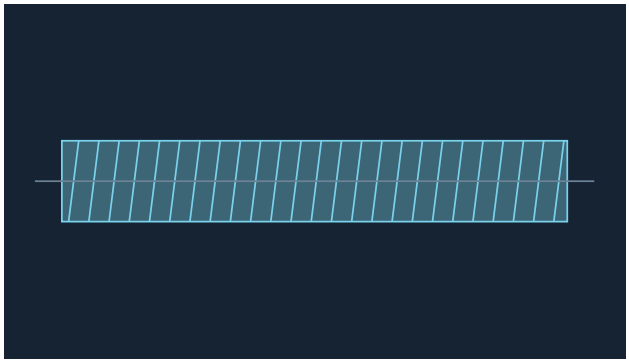
Annular gasket



Outside diameter, bore and thickness.
Revolved ring with an open centre.

Parametric diagram; not to scale

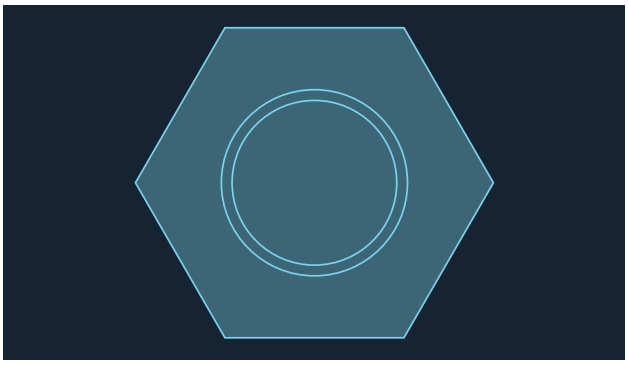
Threaded stud



Diameter, length and pitch.
SDS uses cosmetic annular thread grooves.

Parametric diagram; not to scale

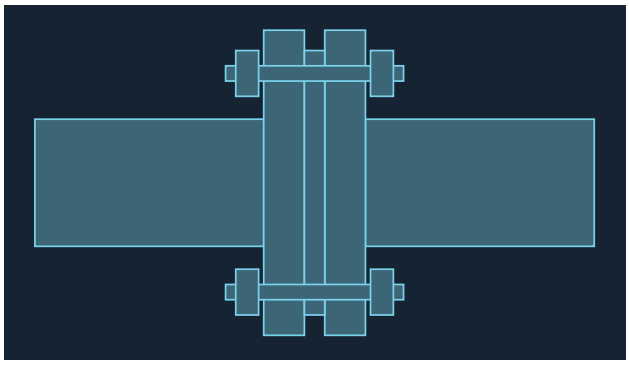
Hexagonal nut



Across flats, depth and thread diameter.
Hexagon extruded around a nominal bore.

Parametric diagram; not to scale

Bolted flange joint



Pipe spools, flanges, gasket and bolting.
Relative placement is part of the assembly.

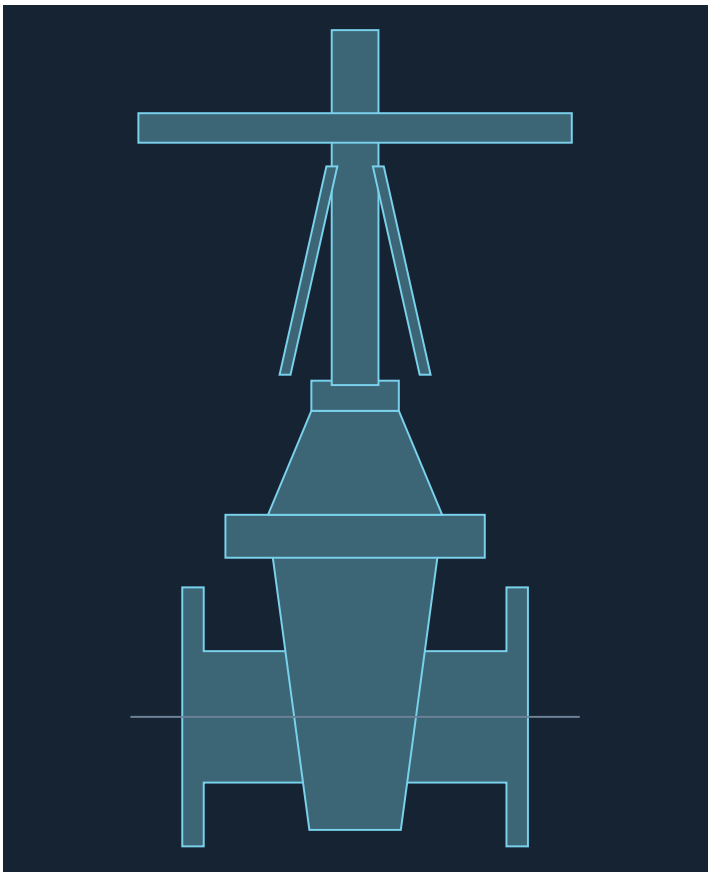
Parametric diagram; not to scale

Implementation: SDS native catalog assembly. The separate piping browser retains bolting, caps and coupling tables as reference entries where drawing dimensions are unresolved.

04 / VALVES

Manual valves and reducer spools

The implemented refinery valve is a measured rising-stem exterior assembly, with separate body, bonnet, operator and owned reducer parameters.



Valve parameters

Face-to-face: 370.4 mm
End flange OD: 277.5 mm
Handwheel OD: 464.4 mm
Stem OD: 50.1 mm
Operator: active / inactive

Body, bonnet, stem, yoke and wheel are editable components. Reducers A and B retain independent lengths, diameters and flange dimensions.



Owned reducer

Transition: 130.9 mm
Small / large OD: 140.8 / 276 mm
Neck length: 43.6 mm

Both reducers can be enabled or disabled independently.

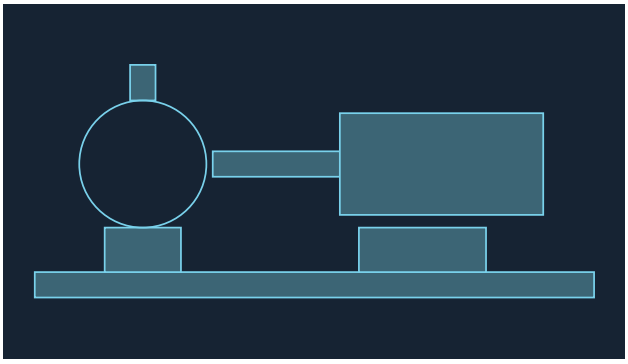
Measured prototype dimensions from SDS refinery records. Probable gate form; internals, nominal size, material and pressure class are unverified. No commercial valve rating is implied.

05 / EQUIPMENT AND ATTACHMENTS

Equipment families

Parameter illustrations for implemented SDS equipment modules. Drawings are schematic and show the components controlled by each module.

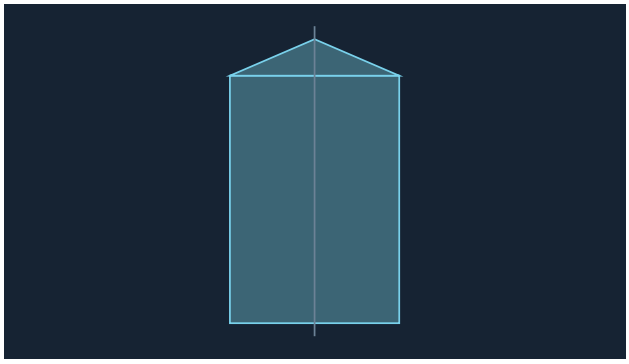
Pump, motor and skid



Pump diameter / height / length.
Motor diameter / length; skid L x W x H.

pump-centrifugal-skid / 1.0.0

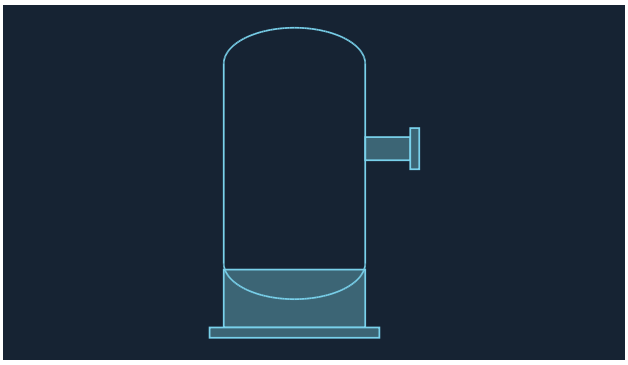
Roofed storage tank



Tank diameter and shell height.
Shell and conical-roof components.

tank-roofed / 1.0.0

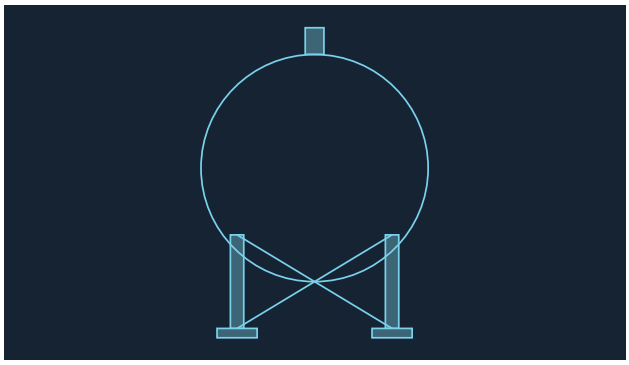
Vertical vessel



Shell diameter, wall and length; head depth.
Nozzle elevation / azimuth; skirt height.

sds.equipment.vessel / 1

Spherical tank



Sphere diameter and trimming fractions.
Profile-based legs, bracing and access groups.

sds.equipment.spherical-tank / 1

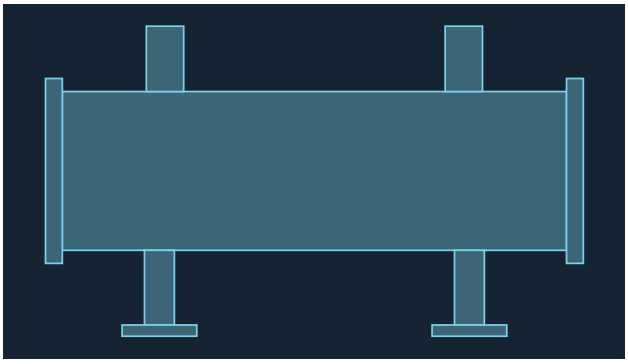
Model dimensions and placement are stored in equipment records. Nozzle ports require explicit ownership and nominal-size confirmation; a measured envelope alone does not define connectivity.

05 / EQUIPMENT AND ATTACHMENTS

Connections and accessories

Parameter illustrations for implemented SDS equipment modules. Drawings are schematic and show the components controlled by each module.

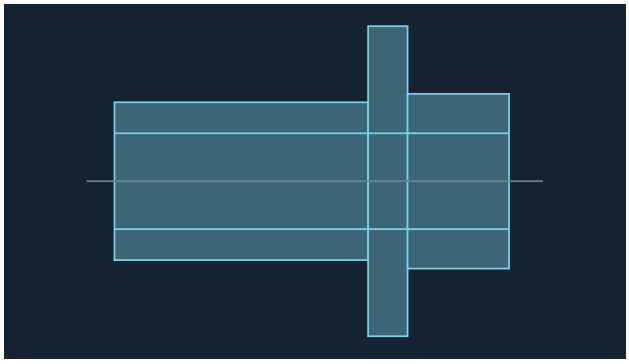
Horizontal equipment



Shell and end profiles; axial length.
Saddles and nozzles are linked components.

refinery-horizontal generator

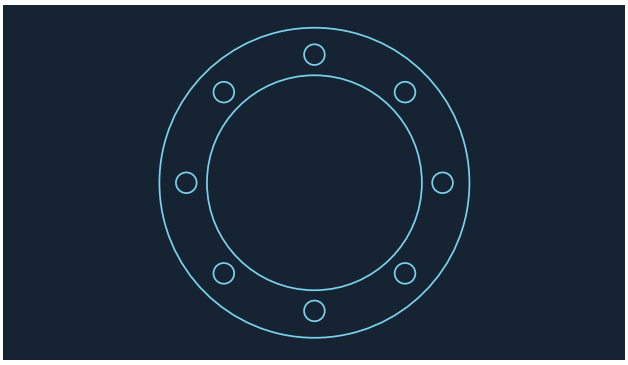
Equipment nozzle



Neck / flange / extension diameters and lengths.
Bore, bolt pattern, azimuth and axis elevation.

sds.equipment.attachments / 1

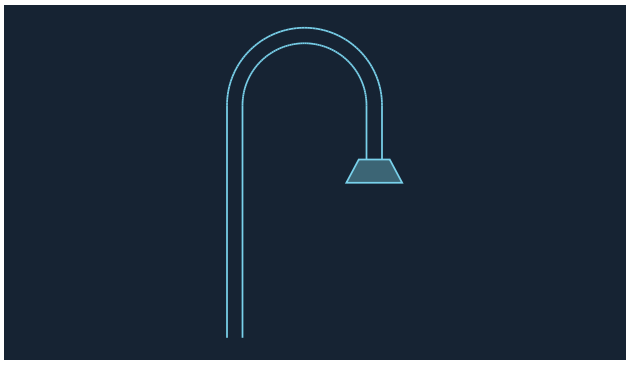
Circular manway



Profile, flange diameter and cover extension.
Bolt count, bolt circle and bolt rotation.

sds.equipment.attachments / 1

Gooseneck roof fixture



Pole diameter, height, reach and drop.
Collar and terminal-head dimensions.

gooseneck-fixture generator

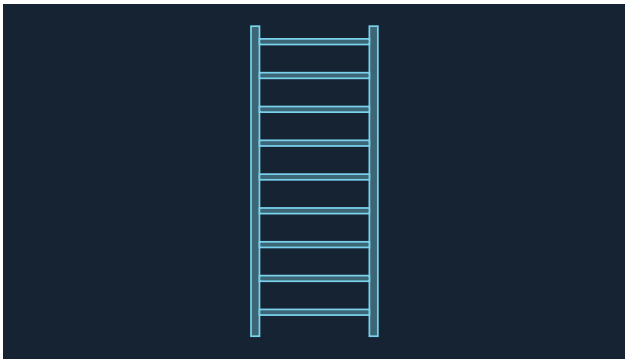
Model dimensions and placement are stored in equipment records. Nozzle ports require explicit ownership and nominal-size confirmation; a measured envelope alone does not define connectivity.

06 / ACCESS COMPONENTS

Ladders, stairs and guardrails

Equipment access uses editable paths, profiles and repeated members. Guardrails retain constant member sections along straight or curved routes.

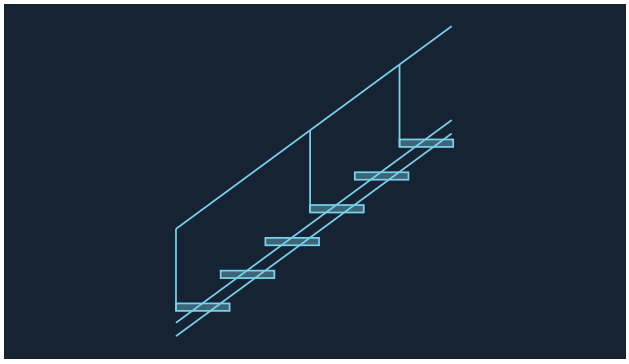
Equipment ladder



Width, height, rung pitch and count.
Side profiles and optional safety cage.

Parameter illustration; not to scale

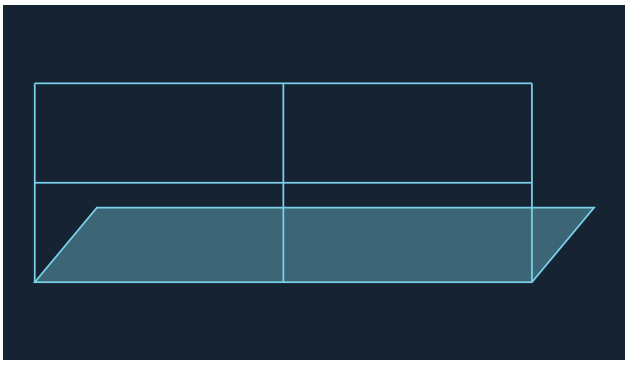
Access stairs



Tread width / depth / thickness; pitch and count.
Editable step path and run scaling.

Parameter illustration; not to scale

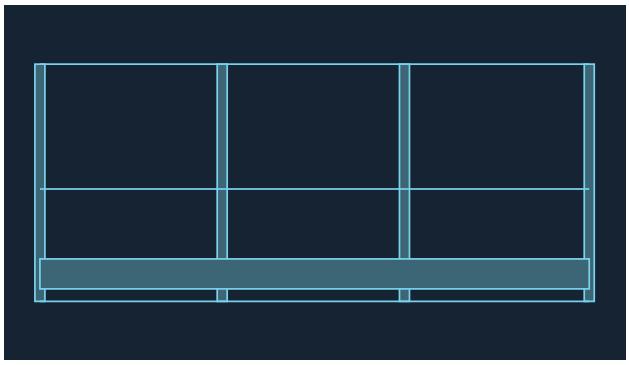
Equipment walkway



Deck width, depth and thickness.
Measured profile loops and linked access owner.

Parameter illustration; not to scale

Parametric guardrail



Top / mid-rail OD, height and post positions.
Straight or circular path; optional toe plate.

Parameter illustration; not to scale

Implementation: equipment-access and guardrail generators. Dimensions follow editable source geometry; these illustrations do not establish access or structural compliance.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Metric bolt weights

1/3

Bolting. Entries 1-14 of 31.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
268095226	additional 20 mm | Reference	REFERENCE	38	Reference dimensions only; family geometry not mapped yet
237554777	60 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
236142643	70 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
130534728	80 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
182603854	90 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
246274533	100 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
222546095	110 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
89193285	120 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
59499407	130 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
249162841	140 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
233538665	150 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
148656630	160 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
187821522	170 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
81329491	180 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Metric bolt weights

2/3

Bolting. Entries 15-28 of 31.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
224626582	190 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
214484305	200 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
41643608	210 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
125753330	220 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
210877911	230 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet
266079545	240 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
138655450	250 | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
54397601	260 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
40870457	270 | Reference	REFERENCE	29	Reference dimensions only; family geometry not mapped yet
192128606	280 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
155479150	290 | Reference	REFERENCE	31	Reference dimensions only; family geometry not mapped yet
22235046	300 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
21807319	320 | Reference	REFERENCE	33	Reference dimensions only; family geometry not mapped yet
66959835	340 | Reference	REFERENCE	34	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Metric bolt weights

3/3

Bolting. Entries 29-31 of 31.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
85429381	360 | Reference	REFERENCE	35	Reference dimensions only; family geometry not mapped yet
177641389	380 | Reference	REFERENCE	36	Reference dimensions only; family geometry not mapped yet
222167391	400 | Reference	REFERENCE	37	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Metric hex nuts

1/2

Bolting. Entries 1-14 of 25.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
178213339	M 8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
71359081	M 10 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
115357963	M 12 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
38746355	M 14 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
152060049	M 16 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
166776199	M 18 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
95835167	M 20 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
208565989	M 22 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
12555640	M 24 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
157606901	M 27 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
127904979	M 30 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
47590862	M 33 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
180297589	M 36 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
163935895	M 39 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Metric hex nuts

2/2

Bolting. Entries 15-25 of 25.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
201571750	M 42 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
249408881	M 45 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
87961078	M 48 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
23887668	M 52 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet
60509563	M 56 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
234869834	M 60 | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
144118849	M 64 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
113495273	M 68 | Reference	REFERENCE	29	Reference dimensions only; family geometry not mapped yet
97780145	M 72 x 6 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
93603427	M 76 x 6 | Reference	REFERENCE	31	Reference dimensions only; family geometry not mapped yet
260461085	M 80 x 6 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Stud bolt dimensions

1/6

Bolting. Entries 1-14 of 81.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
98757520	– | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
254884036	? | Reference	REFERENCE	33	Reference dimensions only; family geometry not mapped yet
59419538	DN | Reference	REFERENCE	35	Reference dimensions only; family geometry not mapped yet
184190705	– | Reference	REFERENCE	49	Reference dimensions only; family geometry not mapped yet
151984170	? | Reference	REFERENCE	66	Reference dimensions only; family geometry not mapped yet
15238446	DN | Reference	REFERENCE	68	Reference dimensions only; family geometry not mapped yet
235054066	? | Reference	REFERENCE	98	Reference dimensions only; family geometry not mapped yet
160023389	DN | Reference	REFERENCE	100	Reference dimensions only; family geometry not mapped yet
157445542	? | Reference	REFERENCE	125	Reference dimensions only; family geometry not mapped yet
212063444	DN | Reference	REFERENCE	127	Reference dimensions only; family geometry not mapped yet
136418397	15 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
134794040	15 | Reference	REFERENCE	41	Reference dimensions only; family geometry not mapped yet
77124589	15 | Reference	REFERENCE	74	Reference dimensions only; family geometry not mapped yet
68324008	15 | Reference	REFERENCE	106	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Stud bolt dimensions

2/6

Bolting. Entries 15-28 of 81.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
265538628	20 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
157536623	20 | Reference	REFERENCE	42	Reference dimensions only; family geometry not mapped yet
198692435	20 | Reference	REFERENCE	75	Reference dimensions only; family geometry not mapped yet
85623224	20 | Reference	REFERENCE	107	Reference dimensions only; family geometry not mapped yet
246336339	25 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
12309000	25 | Reference	REFERENCE	43	Reference dimensions only; family geometry not mapped yet
211855426	25 | Reference	REFERENCE	76	Reference dimensions only; family geometry not mapped yet
64319819	25 | Reference	REFERENCE	108	Reference dimensions only; family geometry not mapped yet
129304269	32 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
61545878	32 | Reference	REFERENCE	44	Reference dimensions only; family geometry not mapped yet
259396581	32 | Reference	REFERENCE	77	Reference dimensions only; family geometry not mapped yet
182332048	32 | Reference	REFERENCE	109	Reference dimensions only; family geometry not mapped yet
101656383	40 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
183864271	40 | Reference	REFERENCE	45	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Stud bolt dimensions

3/6

Bolting. Entries 29-42 of 81.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
165726304	40 | Reference	REFERENCE	78	Reference dimensions only; family geometry not mapped yet
77763301	40 | Reference	REFERENCE	110	Reference dimensions only; family geometry not mapped yet
246892468	50 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
55376439	50 | Reference	REFERENCE	46	Reference dimensions only; family geometry not mapped yet
136922701	50 | Reference	REFERENCE	79	Reference dimensions only; family geometry not mapped yet
166628105	50 | Reference	REFERENCE	111	Reference dimensions only; family geometry not mapped yet
232571384	65 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
99960919	65 | Reference	REFERENCE	47	Reference dimensions only; family geometry not mapped yet
36059011	65 | Reference	REFERENCE	80	Reference dimensions only; family geometry not mapped yet
174708624	65 | Reference	REFERENCE	112	Reference dimensions only; family geometry not mapped yet
230012622	80 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
171462683	80 | Reference	REFERENCE	48	Reference dimensions only; family geometry not mapped yet
223149220	80 | Reference	REFERENCE	81	Reference dimensions only; family geometry not mapped yet
112883073	80 | Reference	REFERENCE	113	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Stud bolt dimensions

4/6

Bolting. Entries 43-56 of 81.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
6573869	100 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
234829096	100 | Reference	REFERENCE	50	Reference dimensions only; family geometry not mapped yet
159651604	100 | Reference	REFERENCE	82	Reference dimensions only; family geometry not mapped yet
194596980	100 | Reference	REFERENCE	114	Reference dimensions only; family geometry not mapped yet
58946936	125 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
216873718	125 | Reference	REFERENCE	51	Reference dimensions only; family geometry not mapped yet
180617361	125 | Reference	REFERENCE	83	Reference dimensions only; family geometry not mapped yet
143531021	125 | Reference	REFERENCE	115	Reference dimensions only; family geometry not mapped yet
44642770	150 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
236693945	150 | Reference	REFERENCE	52	Reference dimensions only; family geometry not mapped yet
88231224	150 | Reference	REFERENCE	84	Reference dimensions only; family geometry not mapped yet
39877031	150 | Reference	REFERENCE	116	Reference dimensions only; family geometry not mapped yet
259062764	200 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
42563990	200 | Reference	REFERENCE	53	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Stud bolt dimensions

5/6

Bolting. Entries 57-70 of 81.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
254119634	200 | Reference	REFERENCE	85	Reference dimensions only; family geometry not mapped yet
226685066	200 | Reference	REFERENCE	117	Reference dimensions only; family geometry not mapped yet
61059535	250 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
260399757	250 | Reference	REFERENCE	54	Reference dimensions only; family geometry not mapped yet
99617998	250 | Reference	REFERENCE	86	Reference dimensions only; family geometry not mapped yet
268159075	250 | Reference	REFERENCE	118	Reference dimensions only; family geometry not mapped yet
157299592	300 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
243486141	300 | Reference	REFERENCE	55	Reference dimensions only; family geometry not mapped yet
158102110	300 | Reference	REFERENCE	87	Reference dimensions only; family geometry not mapped yet
102465570	300 | Reference	REFERENCE	119	Reference dimensions only; family geometry not mapped yet
212987953	350 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
15218252	350 | Reference	REFERENCE	56	Reference dimensions only; family geometry not mapped yet
251248023	350 | Reference	REFERENCE	88	Reference dimensions only; family geometry not mapped yet
117425748	400 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Stud bolt dimensions

6/6

Bolting. Entries 71-81 of 81.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
234651699	400 | Reference	REFERENCE	57	Reference dimensions only; family geometry not mapped yet
211971429	400 | Reference	REFERENCE	89	Reference dimensions only; family geometry not mapped yet
169890801	450 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet
69225436	450 | Reference	REFERENCE	58	Reference dimensions only; family geometry not mapped yet
240418464	450 | Reference	REFERENCE	90	Reference dimensions only; family geometry not mapped yet
153915802	500 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
127368102	500 | Reference	REFERENCE	59	Reference dimensions only; family geometry not mapped yet
120289670	500 | Reference	REFERENCE	91	Reference dimensions only; family geometry not mapped yet
186203343	600 | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
238752473	600 | Reference	REFERENCE	60	Reference dimensions only; family geometry not mapped yet
28025894	600 | Reference	REFERENCE	92	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

UNC bolt weights

1/3

Bolting. Entries 1-14 of 31.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
178939735	additional 20 mm | Reference	REFERENCE	38	Reference dimensions only; family geometry not mapped yet
253849116	60 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
194020960	70 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
96080335	80 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
119665827	90 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
182466256	100 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
211468632	110 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
169942993	120 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
211953767	130 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
140137795	140 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
242921068	150 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
257978728	160 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
148170057	170 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
114673798	180 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

UNC bolt weights

2/3

Bolting. Entries 15-28 of 31.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
128922578	190 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
173365572	200 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
110430431	210 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
5566692	220 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
183855173	230 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet
15224890	240 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
248013413	250 | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
247710871	260 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
123559493	270 | Reference	REFERENCE	29	Reference dimensions only; family geometry not mapped yet
245905457	280 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
37596861	290 | Reference	REFERENCE	31	Reference dimensions only; family geometry not mapped yet
239126731	300 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
96986686	320 | Reference	REFERENCE	33	Reference dimensions only; family geometry not mapped yet
27291920	340 | Reference	REFERENCE	34	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

UNC bolt weights

3/3

Bolting. Entries 29-31 of 31.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
211356761	360 | Reference	REFERENCE	35	Reference dimensions only; family geometry not mapped yet
32526171	380 | Reference	REFERENCE	36	Reference dimensions only; family geometry not mapped yet
108785609	400 | Reference	REFERENCE	37	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

UNC heavy hex nuts

1/2

Bolting. Entries 1-14 of 20.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
146358571	3/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
223782337	7/16 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
266703885	1/2 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
108787765	9/16 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
250239620	5/8 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
207006686	3/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
141982636	7/8 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
7985514	1 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
228245858	1 1/8 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
68272257	1 1/4 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
63988001	1 3/8 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
117450837	1 1/2 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
97830632	1 5/8 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
58025583	1 3/4 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

UNC heavy hex nuts

2/2

Bolting. Entries 15-20 of 20.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
160406244	1 7/8 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
2496519	2 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
24297704	2 1/4 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
234214876	2 1/2 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet
38742987	2 3/4 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
64389148	3 | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

BW branch fittings

1/5

Branch fittings. Entries 1-14 of 61.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
53180845	collecteurs sizes Run Dimensions | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
161834797	collecteurs sizes Run Dimensions | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
90791808	1/8 | Reference	REFERENCE	36	Reference dimensions only; family geometry not mapped yet
90055308	1/8 | Reference	REFERENCE	64	Reference dimensions only; family geometry not mapped yet
124036598	1/8 | Reference	REFERENCE	92	Reference dimensions only; family geometry not mapped yet
244205061	1/4 | Reference	REFERENCE	37	Reference dimensions only; family geometry not mapped yet
242082243	1/4 | Reference	REFERENCE	65	Reference dimensions only; family geometry not mapped yet
67313745	3/8 | Reference	REFERENCE	38	Reference dimensions only; family geometry not mapped yet
195494261	3/8 | Reference	REFERENCE	66	Reference dimensions only; family geometry not mapped yet
32355995	1/2 | Reference	REFERENCE	67	Reference dimensions only; family geometry not mapped yet
222367533	3/4 | Reference	REFERENCE	68	Reference dimensions only; family geometry not mapped yet
232833915	3/4 | Reference	REFERENCE	93	Reference dimensions only; family geometry not mapped yet
43283453	1 | Reference	REFERENCE	69	Reference dimensions only; family geometry not mapped yet
33904970	1 | Reference	REFERENCE	94	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

BW branch fittings

2/5

Branch fittings. Entries 15-28 of 61.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
158251461	1 1/4 | Reference	REFERENCE	42	Reference dimensions only; family geometry not mapped yet
211252606	1 1/4 | Reference	REFERENCE	70	Reference dimensions only; family geometry not mapped yet
66239467	1 1/4 | Reference	REFERENCE	95	Reference dimensions only; family geometry not mapped yet
9261839	1 1/2 | Reference	REFERENCE	43	Reference dimensions only; family geometry not mapped yet
124931690	1 1/2 | Reference	REFERENCE	71	Reference dimensions only; family geometry not mapped yet
213004550	1 1/2 | Reference	REFERENCE	96	Reference dimensions only; family geometry not mapped yet
182263972	2 | Reference	REFERENCE	44	Reference dimensions only; family geometry not mapped yet
40692916	2 | Reference	REFERENCE	72	Reference dimensions only; family geometry not mapped yet
106448876	2 | Reference	REFERENCE	97	Reference dimensions only; family geometry not mapped yet
268318463	2 1/2 | Reference	REFERENCE	45	Reference dimensions only; family geometry not mapped yet
40887173	2 1/2 | Reference	REFERENCE	73	Reference dimensions only; family geometry not mapped yet
64907800	2 1/2 | Reference	REFERENCE	98	Reference dimensions only; family geometry not mapped yet
35166213	3 | Reference	REFERENCE	46	Reference dimensions only; family geometry not mapped yet
4289890	3 | Reference	REFERENCE	74	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

BW branch fittings

3/5

Branch fittings. Entries 29-42 of 61.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
14711389	3 | Reference	REFERENCE	99	Reference dimensions only; family geometry not mapped yet
45238434	3 1/2 | Reference	REFERENCE	47	Reference dimensions only; family geometry not mapped yet
65451267	3 1/2 | Reference	REFERENCE	75	Reference dimensions only; family geometry not mapped yet
136006031	4 | Reference	REFERENCE	48	Reference dimensions only; family geometry not mapped yet
113259404	4 | Reference	REFERENCE	76	Reference dimensions only; family geometry not mapped yet
156773004	4 | Reference	REFERENCE	100	Reference dimensions only; family geometry not mapped yet
189823037	5 | Reference	REFERENCE	49	Reference dimensions only; family geometry not mapped yet
237942340	5 | Reference	REFERENCE	77	Reference dimensions only; family geometry not mapped yet
1550125	5 | Reference	REFERENCE	101	Reference dimensions only; family geometry not mapped yet
256525740	6 | Reference	REFERENCE	50	Reference dimensions only; family geometry not mapped yet
250756778	6 | Reference	REFERENCE	78	Reference dimensions only; family geometry not mapped yet
16173759	6 | Reference	REFERENCE	102	Reference dimensions only; family geometry not mapped yet
140633670	8 | Reference	REFERENCE	51	Reference dimensions only; family geometry not mapped yet
5577265	8 | Reference	REFERENCE	79	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

BW branch fittings

4/5

Branch fittings. Entries 43-56 of 61.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
196859240	8 | Reference	REFERENCE	103	Reference dimensions only; family geometry not mapped yet
232989973	10 | Reference	REFERENCE	52	Reference dimensions only; family geometry not mapped yet
77604153	10 | Reference	REFERENCE	80	Reference dimensions only; family geometry not mapped yet
47976545	10 | Reference	REFERENCE	104	Reference dimensions only; family geometry not mapped yet
158708616	12 | Reference	REFERENCE	53	Reference dimensions only; family geometry not mapped yet
144427178	12 | Reference	REFERENCE	81	Reference dimensions only; family geometry not mapped yet
138284685	12 | Reference	REFERENCE	105	Reference dimensions only; family geometry not mapped yet
39825828	14 | Reference	REFERENCE	54	Reference dimensions only; family geometry not mapped yet
15288842	14 | Reference	REFERENCE	82	Reference dimensions only; family geometry not mapped yet
77870905	14 | Reference	REFERENCE	106	Reference dimensions only; family geometry not mapped yet
180873061	16 | Reference	REFERENCE	55	Reference dimensions only; family geometry not mapped yet
175044833	16 | Reference	REFERENCE	83	Reference dimensions only; family geometry not mapped yet
78960852	16 | Reference	REFERENCE	107	Reference dimensions only; family geometry not mapped yet
108308972	18 | Reference	REFERENCE	56	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

BW branch fittings

5/5

Branch fittings. Entries 57-61 of 61.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
62516545	18 | Reference	REFERENCE	84	Reference dimensions only; family geometry not mapped yet
191657379	20 | Reference	REFERENCE	57	Reference dimensions only; family geometry not mapped yet
93559081	20 | Reference	REFERENCE	85	Reference dimensions only; family geometry not mapped yet
53410267	24 | Reference	REFERENCE	58	Reference dimensions only; family geometry not mapped yet
200519791	24 | Reference	REFERENCE	86	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW branch fittings

1/2

Branch fittings. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
233194711	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
34592131	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
247972403	1/4* | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
156596195	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
28608769	3/8* | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
835489	1/2 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
250712054	3/4 | Reference	REFERENCE	29	Reference dimensions only; family geometry not mapped yet
129612295	1 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
41036575	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
136414027	1 1/4 | Reference	REFERENCE	31	Reference dimensions only; family geometry not mapped yet
62924440	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
148155569	1 1/2 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
126274742	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
58474424	2 | Reference	REFERENCE	33	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW branch fittings

2/2

Branch fittings. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
254974905	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
176131267	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
230930255	3 1/2* | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
179634552	4 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD branch fittings

1/2

Branch fittings. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
18682245	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
60428476	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
12293316	1/4 ** | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
194247972	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
62742361	3/8 ** | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
257755583	1/2 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
151428582	3/4 | Reference	REFERENCE	29	Reference dimensions only; family geometry not mapped yet
26697088	1 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
168724582	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
61746409	1 1/4 | Reference	REFERENCE	31	Reference dimensions only; family geometry not mapped yet
8071661	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
243186148	1 1/2 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
230685456	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
257211580	2 | Reference	REFERENCE	33	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD branch fittings

2/2

Branch fittings. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
107593821	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
66690579	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
14396027	3 1/2 ** | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
58835011	4 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Caps

1/3

Caps. Entries 1-14 of 35.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
244582996	Table 2 | Unmapped continuation	REFERENCE	79	Continuation table headers lost; retained as source data, not component sizes
183555677	Table 3 | Unmapped continuation	REFERENCE	115	Continuation table headers lost; retained as source data, not component sizes
115596303	1/2 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
32318709	3/4 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
40488779	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
62606909	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
252097863	1 1/2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
16775628	2 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
20438371	2 1/2 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
12241362	3 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
85210423	3 1/2 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
3601219	4 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
96556704	5 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
202093674	6 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Caps

2/3

Caps. Entries 15-28 of 35.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
252988308	8 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
188347938	10 | Reference	REFERENCE	34	Reference dimensions only; family geometry not mapped yet
33959536	12 | Reference	REFERENCE	36	Reference dimensions only; family geometry not mapped yet
167559589	14 | Reference	REFERENCE	38	Reference dimensions only; family geometry not mapped yet
236518459	16 | Reference	REFERENCE	40	Reference dimensions only; family geometry not mapped yet
259206983	18 | Reference	REFERENCE	42	Reference dimensions only; family geometry not mapped yet
265087682	20 | Reference	REFERENCE	44	Reference dimensions only; family geometry not mapped yet
251575798	22 | Reference	REFERENCE	46	Reference dimensions only; family geometry not mapped yet
143164363	24 | Reference	REFERENCE	48	Reference dimensions only; family geometry not mapped yet
204782033	26 | Reference	REFERENCE	50	Reference dimensions only; family geometry not mapped yet
226577707	28 | Reference	REFERENCE	52	Reference dimensions only; family geometry not mapped yet
104321021	30 | Reference	REFERENCE	54	Reference dimensions only; family geometry not mapped yet
132759858	32 | Reference	REFERENCE	56	Reference dimensions only; family geometry not mapped yet
96784833	34 | Reference	REFERENCE	58	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Caps

3/3

Caps. Entries 29-35 of 35.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
83597213	36 | Reference	REFERENCE	60	Reference dimensions only; family geometry not mapped yet
212047177	38 | Reference	REFERENCE	62	Reference dimensions only; family geometry not mapped yet
20754991	40 | Reference	REFERENCE	64	Reference dimensions only; family geometry not mapped yet
113326160	42 | Reference	REFERENCE	66	Reference dimensions only; family geometry not mapped yet
132749775	44 | Reference	REFERENCE	68	Reference dimensions only; family geometry not mapped yet
158750252	46 | Reference	REFERENCE	70	Reference dimensions only; family geometry not mapped yet
93132278	48 | Reference	REFERENCE	72	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Caps

1/2

Caps. Entries 1-14 of 21.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
245618988	1/2 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
90111711	3/4 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
59722609	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
193688641	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
125822733	1 1/2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
61867856	2 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
152877082	2 1/2 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
76456827	3 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
218747613	3 1/2 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
202028242	4 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
69815544	5 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
125044122	6 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
218933360	8 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
65212171	10 | Reference	REFERENCE	34	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Caps

2/2

Caps. Entries 15-21 of 21.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
247774001	12 | Reference	REFERENCE	36	Reference dimensions only; family geometry not mapped yet
39188491	14 | Reference	REFERENCE	38	Reference dimensions only; family geometry not mapped yet
32073751	16 | Reference	REFERENCE	40	Reference dimensions only; family geometry not mapped yet
22751396	18 | Reference	REFERENCE	42	Reference dimensions only; family geometry not mapped yet
78311583	20 | Reference	REFERENCE	44	Reference dimensions only; family geometry not mapped yet
142695867	22 (3) | Reference	REFERENCE	46	Reference dimensions only; family geometry not mapped yet
229871824	24 | Reference	REFERENCE	48	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW caps

1/1

Caps. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
75239028	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
97673778	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
7919968	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
239705729	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
22523191	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
30336561	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
38658203	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
125911990	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
231302383	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
205189764	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
22812598	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
2261316	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD caps

1/1

Caps. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
238387264	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
160553400	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
197214885	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
35495504	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
249530966	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
22933974	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
267055269	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
5098302	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
211216800	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
264201713	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
186628758	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
39537093	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

FF unions

1/1

Couplings, unions and nipples. Entries 1-11 of 11.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
208198067	1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
109622895	3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
236937730	1/2 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
83035832	3/4 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
222772514	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
9535647	1 1/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
143583641	1 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
65644501	2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
266529586	2 1/2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
62288318	3 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
241639793	4 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Hex nipples

1/1

Couplings, unions and nipples. Entries 1-8 of 8.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
129098880	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
114575790	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
18322630	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
82972329	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
134955393	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
145021355	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
237373821	2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
147682781	11/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

MF unions

1/1

Couplings, unions and nipples. Entries 1-8 of 8.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
184854899	1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
39522304	3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
204353815	1/2 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
128559390	3/4 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
126530284	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
232262267	1 1/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
44012127	1 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
117542792	2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducing hex nipples

1/2

Couplings, unions and nipples. Entries 1-14 of 15.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
13958688	1/4 x 1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
24848525	3/8 x 1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
229103266	1/2 x 1/4 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
115869588	1/2 x 3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
65499293	3/4 x 3/8 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
227882091	3/4 x 1/2 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
59563764	1x 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
235967362	1 x 3/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
232437787	2 x 1/2 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
12053024	2 x 3/4 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
207536132	2 x 1 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
59623327	2 x 1 1/2 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
267786777	11/2 x 1/2 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
114738179	11/2 x 3/4 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducing hex nipples

2/2

Couplings, unions and nipples. Entries 15-15 of 15.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
200218599	11/2 x 1 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW couplings

1/1

Couplings, unions and nipples. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
120550793	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
11178713	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
157289094	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
221494178	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
16930442	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
242959708	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
130723345	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
104901428	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
107394804	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
195497031	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
87840620	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
52562558	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW reducing couplings

1/1

Couplings, unions and nipples. Entries 1-14 of 14.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
237295776	3/8 x 1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
5870580	1/2 x 1/4 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
253873271	1/2 x 3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
188683594	3/4 x 1/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
45628851	3/4 x 1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
219794898	1 x 1/4 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
217316639	1 1/4 x 1 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
126003092	1 x 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
81332258	1 1/2 x 1/2 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
164753554	1 1/2 x 3/4 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
227813602	1 1/2 x 1 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
203873988	1 x 3/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
233344564	2 x 1 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
105949465	2 x 1 1/2 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW welding bosses

1/1

Couplings, unions and nipples. Entries 1-8 of 8.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
54257378	1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
150815111	3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
161939550	1/2 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
74305599	3/4 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
209062611	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
108398845	1 1/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
69068822	1 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
23951622	2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Swage nipples

1/2

Couplings, unions and nipples. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
212758017	3/8 x 1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
111084716	1/2 x 1/4 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
208837408	1/2 x 3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
120008329	3/4 x 3/8 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
234674154	3/4 x 1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
69602694	1 x 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
70156687	1 x 3/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
241496223	2 1/2 x 2 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
58186857	2 x 1 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
261507349	2 x 1 1/4 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
88424883	2 x 1 1/2 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
81871000	11/4 x 1 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
115624754	3 x 2 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
142960558	4 x 2 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Swage nipples

2/2

Couplings, unions and nipples. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
246959053	4 x 3 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
135395970	11/2 x 3/4 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
76924684	11/2 x 1 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
154829691	11/2 x 11/4 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD bushings

1/2

Couplings, unions and nipples. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
208746616	3/8 x 1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
188482332	1/2 x 1/4 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
234144310	1/2 x 3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
11192598	3/4 x 1/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
13107730	3/4 x 1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
106040503	1 x 1/4 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
96765426	1 x 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
48772823	1 x 3/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
28073621	2 1/2 x 2 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
42368113	2 x 1 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
118116909	2 x 11/2 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
174810181	11/4 x 1 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
221604455	3 x 2 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
121409073	4 x 2 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD bushings

2/2

Couplings, unions and nipples. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
225723770	4 x 3 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
230182038	11/2 x 1/2 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
265080156	11/2 x 3/4 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
225882673	11/2 x 1 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD couplings

1/1

Couplings, unions and nipples. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
217807475	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
257337302	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
141766705	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
117609918	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
172759540	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
173227045	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
197491660	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
141713011	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
176316222	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
164297924	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
203700010	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
109242159	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD plugs

1/1

Couplings, unions and nipples. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
15776687	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
112326223	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
227058892	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
206715145	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
242600204	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
101172528	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
31843079	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
111643612	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
184042366	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
124790364	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
57472150	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
252874489	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD reducing couplings

1/2

Couplings, unions and nipples. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
232972886	3/8 x 1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
205469019	1/2 x 1/4 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
53722716	1/2 x 3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
217912871	3/4 x 1/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
4719195	3/4 x 1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
222571838	1 x 1/4 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
148895730	1 x 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
36033707	1 x 3/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
181480178	2 1/2 x 2 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
94940629	2 x 1 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
208877651	2 x 1 1/2 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
260911742	11/4 x 1 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
186334046	3 x 2 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
113571650	4 x 2 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD reducing couplings

2/2

Couplings, unions and nipples. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
126160405	4 x 3 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
8576192	11/2 x 1/2 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
52762997	11/2 x 3/4 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
107534261	11/2 x 1 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD welding bosses

1/1

Couplings, unions and nipples. Entries 1-8 of 8.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
179806376	1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
260861025	3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
176636601	1/2 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
107188819	3/4 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
34266966	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
76166297	1 1/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
170477902	1 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
232805103	2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS 180 LR returns

1/1

Elbows and returns. Entries 1-7 of 7.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
45293233	NPS 3/4 | XS	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
120283526	NPS 3/4 | Schedule 160	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
202183148	NPS 3/4 | Schedule 30	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
211379296	NPS 3/4 | STD	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
257732952	NPS 3/4 | XXS	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
167672092	NPS 20 | Schedule 20	REVIEW	44	Unresolved schedule reference; Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets...
260356542	NPS 24 | Schedule 20	REVIEW	48	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS 180 SR returns

1/1

Elbows and returns. Entries 1-11 of 11.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
9676900	NPS 14 | Schedule 20	REVIEW	34	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
36273521	NPS 14 | Schedule 10	REVIEW	34	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
19641509	NPS 16 | Schedule 10	REVIEW	36	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
107649011	NPS 16 | Schedule 20	REVIEW	36	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
227494980	NPS 18 | Schedule 20	REVIEW	38	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
266483824	NPS 18 | Schedule 10	REVIEW	38	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
48733045	NPS 20 | Schedule 10	REVIEW	40	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
115003672	NPS 20 | Schedule 20	REVIEW	40	Unresolved schedule reference; Longitudinal section from source OD/setback; bend fillets nominal
160126951	NPS 22 | Schedule 10	REVIEW	42	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
53258962	NPS 24 | Schedule 10	REVIEW	44	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
167933334	NPS 24 | Schedule 20	REVIEW	44	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS 45 LR elbows

1/1

Elbows and returns. Entries 1-7 of 7.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
52258720	NPS 3/4 | Schedule 30	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
53478368	NPS 3/4 | Schedule 160	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
91074554	NPS 3/4 | XS	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
91185715	NPS 3/4 | XXS	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
139624120	NPS 3/4 | STD	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
106679694	NPS 20 | Schedule 20	REVIEW	44	Unresolved schedule reference; Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets...
101285771	NPS 24 | Schedule 20	REVIEW	48	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS 90 LR elbows

1/1

Elbows and returns. Entries 1-7 of 7.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
28544988	NPS 3/4 | XS	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
38792972	NPS 3/4 | Schedule 30	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
43669996	NPS 3/4 | XXS	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
109906813	NPS 3/4 | STD	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
167292163	NPS 3/4 | Schedule 160	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
223557193	NPS 20 | Schedule 20	REVIEW	44	Unresolved schedule reference; Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets...
202321693	NPS 24 | Schedule 20	REVIEW	48	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS 90 SR elbows

1/1

Elbows and returns. Entries 1-2 of 2.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
89046784	NPS 20 | Schedule 20	REVIEW	40	Unresolved schedule reference; Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets...
2886595	NPS 24 | Schedule 20	REVIEW	44	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal; SR headings reviewed...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS 180 LR returns

1/1

Elbows and returns. Entries 1-9 of 9.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
51181160	NPS 3/4 | Schedule 40	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
132223754	NPS 3/4 | Schedule 5	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
141945824	NPS 3/4 | Schedule 10	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
200360558	NPS 3/4 | Schedule 80	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
112092616	NPS 14 | Schedule 40	REVIEW	38	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
83210674	NPS 16 | Schedule 40	REVIEW	40	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
250532956	NPS 18 | Schedule 40	REVIEW	42	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
158338608	NPS 20 | Schedule 40	REVIEW	44	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
4179082	NPS 24 | Schedule 40	REVIEW	48	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS 180 SR returns

1/1

Elbows and returns. Entries 1-3 of 3.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
66537928	NPS 18 | Schedule 40	REVIEW	38	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
233631831	NPS 20 | Schedule 40	REVIEW	40	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
207867435	NPS 24 | Schedule 40	REVIEW	44	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS 45 LR elbows

1/1

Elbows and returns. Entries 1-10 of 10.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
36538089	NPS 3/4 | Schedule 80	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
197471913	NPS 3/4 | Schedule 5	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
236630062	NPS 3/4 | Schedule 40	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
266604335	NPS 3/4 | Schedule 10	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
111806136	NPS 14 | Schedule 40	REVIEW	38	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
106909417	NPS 16 | Schedule 40	REVIEW	40	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
5464101	NPS 18 | Schedule 40	REVIEW	42	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
34575712	NPS 20 | Schedule 40	REVIEW	44	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
226577755	NPS 22 | Schedule 40	REVIEW	46	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
237771161	NPS 24 | Schedule 40	REVIEW	48	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS 90 LR elbows

1/1

Elbows and returns. Entries 1-10 of 10.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
46765293	NPS 3/4 | Schedule 80	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
66599395	NPS 3/4 | Schedule 10	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
124706627	NPS 3/4 | Schedule 5	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
161150347	NPS 3/4 | Schedule 40	REVIEW	10	Missing/ambiguous a; Longitudinal section from source OD/setback; bend fillets nominal
108473351	NPS 14 | Schedule 40	REVIEW	38	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
37437908	NPS 16 | Schedule 40	REVIEW	40	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
29404182	NPS 18 | Schedule 40	REVIEW	42	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
7497794	NPS 20 | Schedule 40	REVIEW	44	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
57720039	NPS 22 | Schedule 40	REVIEW	46	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal
44857971	NPS 24 | Schedule 40	REVIEW	48	Missing/ambiguous wall; Longitudinal section from source OD/setback; bend fillets nominal

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS 90 SR elbows

1/1

Elbows and returns. Entries 1-9 of 9.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
139822479	8 | Reference	REFERENCE	28	Continuation dimensions require source-page review
95133445	10 | Reference	REFERENCE	30	Continuation dimensions require source-page review
194225997	12 | Reference	REFERENCE	32	Continuation dimensions require source-page review
79574291	14 | Reference	REFERENCE	34	Continuation dimensions require source-page review
187923273	16 | Reference	REFERENCE	36	Continuation dimensions require source-page review
169369948	18 | Reference	REFERENCE	38	Continuation dimensions require source-page review
97135458	20 | Reference	REFERENCE	40	Continuation dimensions require source-page review
79164546	22 | Reference	REFERENCE	42	Continuation dimensions require source-page review
49756431	24 | Reference	REFERENCE	44	Continuation dimensions require source-page review

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW elbows

1/1

Elbows and returns. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
3096288	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
73171648	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
197990540	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
137381691	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
228332159	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
128427760	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
190499175	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
61156071	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
219274861	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
166907494	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
158829835	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
158760229	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Street elbows

1/1

Elbows and returns. Entries 1-8 of 8.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
59995631	1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
264092830	3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
177618878	1/2 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
100144376	3/4 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
72912907	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
71205975	1 1/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
177215697	1 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
233628154	2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD elbows

1/2

Elbows and returns. Entries 1-14 of 24.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
259924665	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
65348874	1/8 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet
146120099	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
160954544	1/4 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
153605072	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
66139252	3/8 | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
171394760	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
182609986	1/2 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet
262148392	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
62224400	3/4 | Reference	REFERENCE	29	Reference dimensions only; family geometry not mapped yet
147329646	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
59353420	1 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
138102994	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
139528237	1 1/4 | Reference	REFERENCE	31	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD elbows

2/2

Elbows and returns. Entries 15-24 of 24.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
55962017	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
99216783	1 1/2 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
50798385	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
120337167	2 | Reference	REFERENCE	33	Reference dimensions only; family geometry not mapped yet
92934942	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
51428581	2 1/2 | Reference	REFERENCE	34	Reference dimensions only; family geometry not mapped yet
108005092	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
9163556	3 | Reference	REFERENCE	35	Reference dimensions only; family geometry not mapped yet
89394022	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
198843544	4 | Reference	REFERENCE	36	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Union elbows tees

1/1

Elbows and returns. Entries 1-8 of 8.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
248439336	1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
196054494	3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
87876008	1/2 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
151590991	3/4 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
43041735	1 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
106022214	1 1/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
4401008	1 1/2 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
190888491	2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

B16.5 flanges CL400

Flanges. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
13552715	DN– | Blind	REVIEW	16	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
139667790	DN– | Slip on	REVIEW	16	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
10949699	DN15 | Slip on	REVIEW	8	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
100979966	DN15 | Blind	REVIEW	8	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
47748306	DN20 | Blind	REVIEW	9	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
164804738	DN20 | Slip on	REVIEW	9	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
189383906	DN25 | Blind	REVIEW	10	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
190904857	DN25 | Slip on	REVIEW	10	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
130233736	DN32 | Blind	REVIEW	11	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
140491542	DN32 | Slip on	REVIEW	11	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
98894934	DN40 | Slip on	REVIEW	12	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
116440100	DN40 | Blind	REVIEW	12	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
28652683	DN50 | Slip on	REVIEW	13	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
55829874	DN50 | Blind	REVIEW	13	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

B16.5 flanges CL400

2/2

Flanges. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
79083360	DN65 | Slip on	REVIEW	14	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
128881540	DN65 | Blind	REVIEW	14	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
59510136	DN80 | Slip on	REVIEW	15	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
172992096	DN80 | Blind	REVIEW	15	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN10

1/2

Flanges. Entries 1-14 of 23.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
133232906	DN700 | Type 12 slip on	REVIEW	28	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
52025068	DN800 | Type 12 slip on	REVIEW	29	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
211509503	DN900 | Type 12 slip on	REVIEW	30	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
202639524	DN1000 | Type 12 slip on	REVIEW	31	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
101657637	DN1200 | Type 12 slip on	REVIEW	32	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
123011665	DN1400 | Type 05 blind	REVIEW	33	Missing/ambiguous thick
217836170	DN1400 | Type 12 slip on	REVIEW	33	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
164902448	DN1600 | Type 12 slip on	REVIEW	34	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
192071485	DN1600 | Type 05 blind	REVIEW	34	Missing/ambiguous thick
308976	DN1800 | Type 05 blind	REVIEW	35	Missing/ambiguous thick
238982620	DN1800 | Type 12 slip on	REVIEW	35	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
12761129	DN2000 | Type 05 blind	REVIEW	36	Missing/ambiguous thick
139481727	DN2000 | Type 12 slip on	REVIEW	36	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
89249728	DN2200 | Type 05 blind	REVIEW	37	Missing/ambiguous thick

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN10

2/2

Flanges. Entries 15-23 of 23.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
195552572	DN2200 | Type 12 slip on	REVIEW	37	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
186527551	DN2400 | Type 05 blind	REVIEW	38	Missing/ambiguous thick
199240073	DN2400 | Type 12 slip on	REVIEW	38	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
156451003	DN2600 | Type 12 slip on	REVIEW	39	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
226727956	DN2600 | Type 05 blind	REVIEW	39	Missing/ambiguous thick
123953852	DN2800 | Type 05 blind	REVIEW	40	Missing/ambiguous thick
157260965	DN2800 | Type 12 slip on	REVIEW	40	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
34795077	DN3000 | Type 05 blind	REVIEW	41	Missing/ambiguous thick
112187705	DN3000 | Type 12 slip on	REVIEW	41	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN16

1/1

Flanges. Entries 1-14 of 14.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
184017086	DN700 | Type 12 slip on	REVIEW	27	Missing/ambiguous bore
86036276	DN800 | Type 12 slip on	REVIEW	28	Missing/ambiguous bore
161945596	DN900 | Type 12 slip on	REVIEW	29	Missing/ambiguous bore
198047338	DN1000 | Type 12 slip on	REVIEW	30	Missing/ambiguous bore
72554780	DN1200 | Type 05 blind	REVIEW	31	Missing/ambiguous thick
241363673	DN1200 | Type 12 slip on	REVIEW	31	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
32301112	DN1400 | Type 05 blind	REVIEW	32	Missing/ambiguous thick
245262054	DN1400 | Type 12 slip on	REVIEW	32	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
178512924	DN1600 | Type 12 slip on	REVIEW	33	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
241465395	DN1600 | Type 05 blind	REVIEW	33	Missing/ambiguous thick
175354025	DN1800 | Type 12 slip on	REVIEW	34	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
212372906	DN1800 | Type 05 blind	REVIEW	34	Missing/ambiguous thick
72000389	DN2000 | Type 05 blind	REVIEW	35	Missing/ambiguous thick
88915759	DN2000 | Type 12 slip on	REVIEW	35	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN25

1/2

Flanges. Entries 1-14 of 20.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
230267884	DN700 | Type 12 slip on	REVIEW	27	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
122276125	DN800 | Type 05 blind	REVIEW	28	Missing/ambiguous thick
124091081	DN800 | Type 12 slip on	REVIEW	28	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
120032740	DN900 | Type 12 slip on	REVIEW	29	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
235217118	DN1000 | Type 12 slip on	REVIEW	30	Missing/ambiguous bore; Missing/ambiguous hub; Missing/ambiguous height
8359927	DN1200 | Type 12 slip on	REVIEW	31	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
161149906	DN1200 | Type 11 weld neck	REVIEW	31	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
261554320	DN1200 | Type 05 blind	REVIEW	31	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
17606812	DN1400 | Type 05 blind	REVIEW	32	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
106558822	DN1400 | Type 11 weld neck	REVIEW	32	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
224622517	DN1400 | Type 12 slip on	REVIEW	32	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
168327376	DN1600 | Type 05 blind	REVIEW	33	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
175973155	DN1600 | Type 11 weld neck	REVIEW	33	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
177294812	DN1600 | Type 12 slip on	REVIEW	33	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN25

2/2

Flanges. Entries 15-20 of 20.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
92945694	DN1800 | Type 12 slip on	REVIEW	34	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
195243924	DN1800 | Type 05 blind	REVIEW	34	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
208513175	DN1800 | Type 11 weld neck	REVIEW	34	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
98787478	DN2000 | Type 11 weld neck	REVIEW	35	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
197988617	DN2000 | Type 12 slip on	REVIEW	35	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
218432203	DN2000 | Type 05 blind	REVIEW	35	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN40

1/2

Flanges. Entries 1-14 of 21.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
48101356	DN700 | Type 11 weld neck	REVIEW	27	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
64791203	DN700 | Type 05 blind	REVIEW	27	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
256998167	DN700 | Type 12 slip on	REVIEW	27	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
52607308	DN800 | Type 12 slip on	REVIEW	28	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
241920014	DN800 | Type 11 weld neck	REVIEW	28	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
253236054	DN800 | Type 05 blind	REVIEW	28	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
50943379	DN900 | Type 05 blind	REVIEW	29	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
94367774	DN900 | Type 11 weld neck	REVIEW	29	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
164547559	DN900 | Type 12 slip on	REVIEW	29	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
205215	DN1000 | Type 05 blind	REVIEW	30	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
17066027	DN1000 | Type 11 weld neck	REVIEW	30	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
263744406	DN1000 | Type 12 slip on	REVIEW	30	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
141217521	DN1200 | Type 12 slip on	REVIEW	31	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
156897702	DN1200 | Type 05 blind	REVIEW	31	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN40

2/2

Flanges. Entries 15-21 of 21.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
245590310	DN1200 | Type 11 weld neck	REVIEW	31	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
67078165	DN1400 | Type 11 weld neck	REVIEW	32	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
69870145	DN1400 | Type 12 slip on	REVIEW	32	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
101113866	DN1400 | Type 05 blind	REVIEW	32	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
43034321	DN1600 | Type 12 slip on	REVIEW	33	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
82337954	DN1600 | Type 05 blind	REVIEW	33	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
110607951	DN1600 | Type 11 weld neck	REVIEW	33	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN63

1/2

Flanges. Entries 1-14 of 26.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
191097918	DN200 | Type 12 slip on	REVIEW	19	Missing/ambiguous hub; Missing/ambiguous height
124795216	DN250 | Type 12 slip on	REVIEW	20	Missing/ambiguous hub; Missing/ambiguous height
101514685	DN300 | Type 12 slip on	REVIEW	21	Missing/ambiguous hub; Missing/ambiguous height
112748133	DN350 | Type 12 slip on	REVIEW	22	Missing/ambiguous hub; Missing/ambiguous height
226348020	DN400 | Type 12 slip on	REVIEW	23	Missing/ambiguous hub; Missing/ambiguous height
15853661	DN500 | Type 05 blind	REVIEW	24	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
82991270	DN500 | Type 11 weld neck	REVIEW	24	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
232049389	DN500 | Type 12 slip on	REVIEW	24	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
31072992	DN600 | Type 11 weld neck	REVIEW	25	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
53898347	DN600 | Type 12 slip on	REVIEW	25	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
65689781	DN600 | Type 05 blind	REVIEW	25	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
44149341	DN700 | Type 05 blind	REVIEW	26	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
132720062	DN700 | Type 12 slip on	REVIEW	26	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
213179024	DN700 | Type 11 weld neck	REVIEW	26	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

EN flanges PN63

2/2

Flanges. Entries 15-26 of 26.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
134327880	DN800 | Type 11 weld neck	REVIEW	27	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
216613712	DN800 | Type 05 blind	REVIEW	27	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
240196306	DN800 | Type 12 slip on	REVIEW	27	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
47934419	DN900 | Type 11 weld neck	REVIEW	28	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
127792974	DN900 | Type 05 blind	REVIEW	28	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
225217912	DN900 | Type 12 slip on	REVIEW	28	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
147674466	DN1000 | Type 05 blind	REVIEW	29	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
168574580	DN1000 | Type 12 slip on	REVIEW	29	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
206251716	DN1000 | Type 11 weld neck	REVIEW	29	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
34782197	DN1200 | Type 05 blind	REVIEW	30	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
66134285	DN1200 | Type 12 slip on	REVIEW	30	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...
211964206	DN1200 | Type 11 weld neck	REVIEW	30	Missing/ambiguous od; Missing/ambiguous pcd; Missing/ambiguous hole; Missing/ambiguous holes;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL150

1/2

Flanges. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
220113285	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
104734235	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
145039351	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
104553852	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
158104478	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
149569143	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS
170757151	950 | Reference	REFERENCE	14	Mixed standard/type columns require mapping; no bore inferred from NPS
2787452	1000 | Reference	REFERENCE	15	Mixed standard/type columns require mapping; no bore inferred from NPS
218660577	1050 | Reference	REFERENCE	16	Mixed standard/type columns require mapping; no bore inferred from NPS
218504050	1100 | Reference	REFERENCE	17	Mixed standard/type columns require mapping; no bore inferred from NPS
106136291	1150 | Reference	REFERENCE	18	Mixed standard/type columns require mapping; no bore inferred from NPS
109995725	1200 | Reference	REFERENCE	19	Mixed standard/type columns require mapping; no bore inferred from NPS
104394300	1250 | Reference	REFERENCE	20	Mixed standard/type columns require mapping; no bore inferred from NPS
65069183	1300 | Reference	REFERENCE	21	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL150

2/2

Flanges. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
116424615	1350 | Reference	REFERENCE	22	Mixed standard/type columns require mapping; no bore inferred from NPS
87729774	1400 | Reference	REFERENCE	23	Mixed standard/type columns require mapping; no bore inferred from NPS
160973818	1450 | Reference	REFERENCE	24	Mixed standard/type columns require mapping; no bore inferred from NPS
259801435	1500 | Reference	REFERENCE	25	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL300

1/2

Flanges. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
78882943	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
231426791	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
172803559	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
8148343	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
264960349	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
95942919	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS
114535533	950 | Reference	REFERENCE	14	Mixed standard/type columns require mapping; no bore inferred from NPS
161898348	1000 | Reference	REFERENCE	15	Mixed standard/type columns require mapping; no bore inferred from NPS
212477310	1050 | Reference	REFERENCE	16	Mixed standard/type columns require mapping; no bore inferred from NPS
152009394	1100 | Reference	REFERENCE	17	Mixed standard/type columns require mapping; no bore inferred from NPS
111716034	1150 | Reference	REFERENCE	18	Mixed standard/type columns require mapping; no bore inferred from NPS
228087534	1200 | Reference	REFERENCE	19	Mixed standard/type columns require mapping; no bore inferred from NPS
230151017	1250 | Reference	REFERENCE	20	Mixed standard/type columns require mapping; no bore inferred from NPS
48112611	1300 | Reference	REFERENCE	21	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL300

2/2

Flanges. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
248835340	1350 | Reference	REFERENCE	22	Mixed standard/type columns require mapping; no bore inferred from NPS
65218431	1400 | Reference	REFERENCE	23	Mixed standard/type columns require mapping; no bore inferred from NPS
147973659	1450 | Reference	REFERENCE	24	Mixed standard/type columns require mapping; no bore inferred from NPS
211462820	1500 | Reference	REFERENCE	25	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL400

1/2

Flanges. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
120890649	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
190748361	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
254646218	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
225612858	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
247712245	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
74193210	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS
203648051	950 | Reference	REFERENCE	14	Mixed standard/type columns require mapping; no bore inferred from NPS
230494548	1000 | Reference	REFERENCE	15	Mixed standard/type columns require mapping; no bore inferred from NPS
113778203	1050 | Reference	REFERENCE	16	Mixed standard/type columns require mapping; no bore inferred from NPS
8019923	1100 | Reference	REFERENCE	17	Mixed standard/type columns require mapping; no bore inferred from NPS
212828690	1150 | Reference	REFERENCE	18	Mixed standard/type columns require mapping; no bore inferred from NPS
223147959	1200 | Reference	REFERENCE	19	Mixed standard/type columns require mapping; no bore inferred from NPS
202117748	1250 | Reference	REFERENCE	20	Mixed standard/type columns require mapping; no bore inferred from NPS
249048603	1300 | Reference	REFERENCE	21	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL400

2/2

Flanges. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
22666491	1350 | Reference	REFERENCE	22	Mixed standard/type columns require mapping; no bore inferred from NPS
245717431	1400 | Reference	REFERENCE	23	Mixed standard/type columns require mapping; no bore inferred from NPS
231723271	1450 | Reference	REFERENCE	24	Mixed standard/type columns require mapping; no bore inferred from NPS
100640889	1500 | Reference	REFERENCE	25	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL600

1/2

Flanges. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
59003897	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
170636461	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
188557888	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
130474483	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
254170082	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
54494884	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS
31912473	950 | Reference	REFERENCE	14	Mixed standard/type columns require mapping; no bore inferred from NPS
135031943	1000 | Reference	REFERENCE	15	Mixed standard/type columns require mapping; no bore inferred from NPS
26975249	1050 | Reference	REFERENCE	16	Mixed standard/type columns require mapping; no bore inferred from NPS
251479598	1100 | Reference	REFERENCE	17	Mixed standard/type columns require mapping; no bore inferred from NPS
66801750	1150 | Reference	REFERENCE	18	Mixed standard/type columns require mapping; no bore inferred from NPS
126467674	1200 | Reference	REFERENCE	19	Mixed standard/type columns require mapping; no bore inferred from NPS
128877945	1250 | Reference	REFERENCE	20	Mixed standard/type columns require mapping; no bore inferred from NPS
86500833	1300 | Reference	REFERENCE	21	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series A flanges CL600

2/2

Flanges. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
124676024	1350 | Reference	REFERENCE	22	Mixed standard/type columns require mapping; no bore inferred from NPS
179704795	1400 | Reference	REFERENCE	23	Mixed standard/type columns require mapping; no bore inferred from NPS
126562260	1450 | Reference	REFERENCE	24	Mixed standard/type columns require mapping; no bore inferred from NPS
56213257	1500 | Reference	REFERENCE	25	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series B flanges CL150

1/2

Flanges. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
65635990	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
205137488	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
37663885	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
71083735	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
245143560	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
244816201	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS
54797568	950 | Reference	REFERENCE	14	Mixed standard/type columns require mapping; no bore inferred from NPS
124501828	1000 | Reference	REFERENCE	15	Mixed standard/type columns require mapping; no bore inferred from NPS
225013725	1050 | Reference	REFERENCE	16	Mixed standard/type columns require mapping; no bore inferred from NPS
146286946	1100 | Reference	REFERENCE	17	Mixed standard/type columns require mapping; no bore inferred from NPS
176533975	1150 | Reference	REFERENCE	18	Mixed standard/type columns require mapping; no bore inferred from NPS
153606632	1200 | Reference	REFERENCE	19	Mixed standard/type columns require mapping; no bore inferred from NPS
53744952	1250 | Reference	REFERENCE	20	Mixed standard/type columns require mapping; no bore inferred from NPS
96871700	1300 | Reference	REFERENCE	21	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series B flanges CL150

2/2

Flanges. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
109305999	1350 | Reference	REFERENCE	22	Mixed standard/type columns require mapping; no bore inferred from NPS
55010940	1400 | Reference	REFERENCE	23	Mixed standard/type columns require mapping; no bore inferred from NPS
85018542	1450 | Reference	REFERENCE	24	Mixed standard/type columns require mapping; no bore inferred from NPS
207811218	1500 | Reference	REFERENCE	25	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series B flanges CL300

1/2

Flanges. Entries 1-14 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
103576238	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
111970719	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
254594177	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
7593098	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
54320333	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
259879088	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS
187250543	950 | Reference	REFERENCE	14	Mixed standard/type columns require mapping; no bore inferred from NPS
173900857	1000 | Reference	REFERENCE	15	Mixed standard/type columns require mapping; no bore inferred from NPS
226085471	1050 | Reference	REFERENCE	16	Mixed standard/type columns require mapping; no bore inferred from NPS
120076312	1100 | Reference	REFERENCE	17	Mixed standard/type columns require mapping; no bore inferred from NPS
141576757	1150 | Reference	REFERENCE	18	Mixed standard/type columns require mapping; no bore inferred from NPS
50951144	1200 | Reference	REFERENCE	19	Mixed standard/type columns require mapping; no bore inferred from NPS
43235776	1250 | Reference	REFERENCE	20	Mixed standard/type columns require mapping; no bore inferred from NPS
176603171	1300 | Reference	REFERENCE	21	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series B flanges CL300

2/2

Flanges. Entries 15-18 of 18.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
255155053	1350 | Reference	REFERENCE	22	Mixed standard/type columns require mapping; no bore inferred from NPS
116231697	1400 | Reference	REFERENCE	23	Mixed standard/type columns require mapping; no bore inferred from NPS
262174612	1450 | Reference	REFERENCE	24	Mixed standard/type columns require mapping; no bore inferred from NPS
57943266	1500 | Reference	REFERENCE	25	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series B flanges CL400

1/1

Flanges. Entries 1-6 of 6.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
244841661	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
72924286	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
100199410	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
207014562	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
220707499	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
12125732	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Series B flanges CL600

1/1

Flanges. Entries 1-6 of 6.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
140304673	650 | Reference	REFERENCE	8	Mixed standard/type columns require mapping; no bore inferred from NPS
41845908	700 | Reference	REFERENCE	9	Mixed standard/type columns require mapping; no bore inferred from NPS
135503032	750 | Reference	REFERENCE	10	Mixed standard/type columns require mapping; no bore inferred from NPS
23874541	800 | Reference	REFERENCE	11	Mixed standard/type columns require mapping; no bore inferred from NPS
88808593	850 | Reference	REFERENCE	12	Mixed standard/type columns require mapping; no bore inferred from NPS
155400251	900 | Reference	REFERENCE	13	Mixed standard/type columns require mapping; no bore inferred from NPS

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Galvanized pipe dimensions

1/1

Pipes. Entries 1-11 of 11.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
261652124	NPS 1/2 | Galvanized	REVIEW	8	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
240874890	NPS 1 | Galvanized	REVIEW	10	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
251012845	NPS 1 1/4 | Galvanized	REVIEW	11	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
90354511	NPS 1 1/2 | Galvanized	REVIEW	12	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
99731633	NPS 2 | Galvanized	REVIEW	13	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
82761758	NPS 2 1/2 | Galvanized	REVIEW	14	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
206329138	NPS 3 | Galvanized	REVIEW	15	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
86238391	NPS 4 | Galvanized	REVIEW	16	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
230810412	NPS 5 | Galvanized	REVIEW	17	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
25145938	NPS 6 | Galvanized	REVIEW	18	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.
18518359	NPS 8 | Galvanized	REVIEW	19	Source inch/mm wall mismatch; geometry withheld; End section; length belongs to the placed pipe. Mass is kg/m.

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS pipe dimensions

1/4

Pipes. Entries 1-14 of 47.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
63412607	NPS 1/8 | Sch 10 S	REVIEW	8	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
172046783	NPS 1/4 | Sch 10 S	REVIEW	11	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
265723519	NPS 3/8 | Sch 10 S	REVIEW	14	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
237242302	NPS 1/2 | Sch 5 S	REVIEW	17	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
118200672	NPS 1/2 | Sch 10 S	REVIEW	18	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
257236893	NPS 3/4 | Sch 5 S	REVIEW	21	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
130427211	NPS 3/4 | Sch 10 S	REVIEW	22	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
64158551	NPS 1 | Sch 5 S	REVIEW	25	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
104342028	NPS 1 | Sch 10 S	REVIEW	26	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
185564300	NPS 1 1/4 | Sch 5 S	REVIEW	29	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
244085414	NPS 1 1/4 | Sch 10 S	REVIEW	30	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
70305986	NPS 1 1/2 | Sch 5 S	REVIEW	33	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
190479553	NPS 1 1/2 | Sch 10 S	REVIEW	34	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
33796329	NPS 2 | Sch 5 S	REVIEW	37	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS pipe dimensions

2/4

Pipes. Entries 15-28 of 47.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
35966801	NPS 2 | Sch 10 S	REVIEW	38	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
51119936	NPS 2 1/2 | Sch 5 S	REVIEW	41	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
41923630	NPS 2 1/2 | Sch 10 S	REVIEW	42	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
162224973	NPS 3 | Sch 5 S	REVIEW	45	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
103093174	NPS 3 | Sch 10 S	REVIEW	46	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
63720394	NPS 3 1/2 | Sch 5S	REVIEW	54	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
113326383	NPS 3 1/2 | Sch 10 S	REVIEW	55	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
212900378	NPS 4 | Sch 5 S	REVIEW	58	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
113566282	NPS 4 | Sch 10 S	REVIEW	59	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
202288918	NPS 5 | Sch 5 S	REVIEW	62	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
104198261	NPS 5 | Sch 10 S	REVIEW	63	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
142466304	NPS 6 | Sch 5 S	REVIEW	66	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
83625889	NPS 6 | Sch 10 S	REVIEW	67	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
57446215	NPS 8 | Sch 5 S	REVIEW	70	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS pipe dimensions

3/4

Pipes. Entries 29-42 of 47.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
44071691	NPS 8 | Sch 10 S	REVIEW	71	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
146975766	NPS 10 | Sch 5 S	REVIEW	74	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
169422366	NPS 10 | Sch 10 S	REVIEW	75	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
103068810	NPS 12 | Sch 5 S	REVIEW	78	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
206950462	NPS 12 | Sch 10 S	REVIEW	79	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
200382266	NPS 14 | Sch 5 S	REVIEW	82	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
175381614	NPS 14 | Sch 10 S	REVIEW	83	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
182617458	NPS 16 | Sch 5 S	REVIEW	84	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
56658313	NPS 16 | Sch 10 S	REVIEW	85	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
83889253	NPS 18 | Sch 5 S	REVIEW	86	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
67953298	NPS 18 | Sch 10 S	REVIEW	87	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
178249905	NPS 20 | Sch 5 S	REVIEW	88	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
77282378	NPS 20 | Sch 10 S	REVIEW	89	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
42357828	NPS 22 | Sch 5 S	REVIEW	90	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS pipe dimensions

4/4

Pipes. Entries 43-47 of 47.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
122507088	NPS 22 | Sch 10 S	REVIEW	91	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
193942455	NPS 24 | Sch 5 S	REVIEW	92	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
48353671	NPS 24 | Sch 10 S	REVIEW	93	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
119959365	NPS 30 | Sch 5 S	REVIEW	94	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.
26895828	NPS 30 | Sch 10 S	REVIEW	95	Source wall footnote requires review; End section; length belongs to the placed pipe. Mass is kg/m.

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

1/10

Reducers. Entries 1-14 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
57892490	NPS 3/4 x 1/2 | Schedule 140	REVIEW	8	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
203333553	NPS 1 1/4 x 1/2 | Schedule 140	REVIEW	26	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
55326824	NPS 1 1/4 x 3/4 | Schedule 140	REVIEW	23	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
131043014	NPS 1 1/4 x 3/4 | Schedule 80	REVIEW	23	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
169923310	NPS 1 1/4 x 3/4 | Schedule 40	REVIEW	23	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
104685094	NPS 1 1/4 x 1 | Schedule 80	REVIEW	20	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal...
116769805	NPS 1 1/4 x 1 | Schedule 40	REVIEW	20	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal...
123377652	NPS 1 1/4 x 1 | Schedule 140	REVIEW	20	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
55714269	NPS 1 x 1/2 | Schedule 140	REVIEW	17	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
25499459	NPS 1 1/2 x 1/2 | Schedule 140	REVIEW	38	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
221052547	NPS 1 1/2 x 3/4 | Schedule 140	REVIEW	35	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
163505837	NPS 1 1/2 x 1 | Schedule 140	REVIEW	32	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
50079316	NPS 1 1/2 x 1 1/4 | Schedule 140	REVIEW	29	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
209739962	NPS 1 x 3/4 | Schedule 140	REVIEW	14	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

2/10

Reducers. Entries 15-28 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
218229808	NPS 2 1/2 x 1 | Schedule 140	REVIEW	62	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
84715249	NPS 2 1/2 x 1 1/4 | Schedule 140	REVIEW	59	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
20827848	NPS 2 1/2 x 1 1/2 | Schedule 80	REVIEW	56	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
59012352	NPS 2 1/2 x 1 1/2 | Schedule 140	REVIEW	56	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
100339866	NPS 2 1/2 x 1 1/2 | Schedule 40	REVIEW	56	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
11769317	NPS 2 1/2 x 2 | Schedule 80	REVIEW	53	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal...
120750197	NPS 2 1/2 x 2 | Schedule 140	REVIEW	53	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
262469791	NPS 2 1/2 x 2 | Schedule 40	REVIEW	53	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal...
231900162	NPS 2 x 3/4 | Schedule 140	REVIEW	50	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
97917719	NPS 2 x 1 | Schedule 140	REVIEW	47	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
86644984	NPS 2 x 1 1/4 | Schedule 140	REVIEW	44	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
165638711	NPS 2 x 1 1/2 | Schedule 140	REVIEW	41	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
150186370	NPS 3 1/2 x 1 1/4 | Schedule 80	REVIEW	89	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
155324399	NPS 3 1/2 x 1 1/4 | Schedule 40	REVIEW	89	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

3/10

Reducers. Entries 29-42 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
176201108	NPS 3 1/2 x 1 1/2 | Schedule 40	REVIEW	86	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal...
254399598	NPS 3 1/2 x 1 1/2 | Schedule 80	REVIEW	86	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal...
13509231	NPS 3 x 1 1/4 | Schedule 140	REVIEW	74	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
171248621	NPS 3 x 1 1/2 | Schedule 140	REVIEW	71	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
211496092	NPS 3 x 2 | Schedule 140	REVIEW	68	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
255108877	NPS 3 x 2 1/2 | Schedule 140	REVIEW	65	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
210275942	NPS 4 x 1 1/2 | Schedule 140	REVIEW	104	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
81167828	NPS 4 x 2 | Schedule 140	REVIEW	101	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
145349990	NPS 4 x 2 1/2 | Schedule 140	REVIEW	98	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
148022080	NPS 4 x 3 | Schedule 140	REVIEW	95	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
84342375	NPS 5 x 2 | Schedule 140	REVIEW	119	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
46758346	NPS 5 x 2 1/2 | Schedule 140	REVIEW	116	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
173356490	NPS 5 x 3 | Schedule 140	REVIEW	113	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
179744249	NPS 5 x 4 | Schedule 140	REVIEW	107	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

4/10

Reducers. Entries 43-56 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
52045871	NPS 6 x 2 1/2 | Schedule 140	REVIEW	134	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
78592090	NPS 6 x 3 | Schedule 140	REVIEW	131	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
231259992	NPS 6 x 4 | Schedule 140	REVIEW	125	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
207530304	NPS 6 x 5 | Schedule 140	REVIEW	122	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
216503064	NPS 8 x 4 | Schedule 140	REVIEW	143	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
150824181	NPS 8 x 5 | Schedule 140	REVIEW	140	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
2702353	NPS 8 x 6 | Schedule 140	REVIEW	137	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
97439114	NPS 10 x 4 | Schedule 140	REVIEW	158	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
240862296	NPS 10 x 5 | Schedule 140	REVIEW	155	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
47827310	NPS 10 x 6 | Schedule 140	REVIEW	152	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
16929412	NPS 10 x 8 | Schedule 140	REVIEW	149	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
7762446	NPS 12 x 5 | Schedule 140	REVIEW	170	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
158093247	NPS 12 x 5 | XXS	REVIEW	170	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
196139249	NPS 12 x 6 | XXS	REVIEW	167	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

5/10

Reducers. Entries 57-70 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
221792914	NPS 12 x 6 | Schedule 140	REVIEW	167	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
24107081	NPS 12 x 8 | Schedule 140	REVIEW	164	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
155669987	NPS 12 x 10 | Schedule 140	REVIEW	161	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
132337615	NPS 14 x 6 | Schedule 140	REVIEW	182	Ambiguous continuation column: schedule mapping requires review; Concentric nominal longitudinal section; transition...
20815243	NPS 14 x 8 | Schedule 140	REVIEW	179	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
3554406	NPS 14 x 10 | Schedule 140	REVIEW	176	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
116675317	NPS 14 x 12 | XXS	REVIEW	173	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
130500136	NPS 14 x 12 | Schedule 140	REVIEW	173	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
77679243	NPS 16 x 8 | Schedule 140	REVIEW	194	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
84503642	NPS 16 x 10 | Schedule 140	REVIEW	191	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
25884180	NPS 16 x 12 | Schedule 140	REVIEW	188	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
197893889	NPS 16 x 12 | Schedule 10	REVIEW	188	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
90394512	NPS 16 x 14 | Schedule 10	REVIEW	185	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
213578231	NPS 16 x 14 | Schedule 140	REVIEW	185	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

6/10

Reducers. Entries 71-84 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
248353328	NPS 18 x 10 | Schedule 140	REVIEW	206	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
201528546	NPS 18 x 12 | Schedule 140	REVIEW	203	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
163852112	NPS 18 x 14 | Schedule 140	REVIEW	200	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
14161393	NPS 18 x 16 | Schedule 140	REVIEW	197	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
105597725	NPS 20 x 12 | Schedule 140	REVIEW	218	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
250182520	NPS 20 x 14 | Schedule 140	REVIEW	215	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
192733395	NPS 20 x 16 | Schedule 140	REVIEW	212	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
16508129	NPS 20 x 18 | Schedule 140	REVIEW	209	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
190517663	NPS 22 x 14 | Schedule 140	REVIEW	230	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
204788284	NPS 22 x 16 | Schedule 140	REVIEW	227	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
37828930	NPS 22 x 18 | Schedule 140	REVIEW	224	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
211727122	NPS 22 x 20 | Schedule 140	REVIEW	221	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
184810993	NPS 24 x 16 | Schedule 140	REVIEW	242	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
150032602	NPS 24 x 18 | Schedule 140	REVIEW	239	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

7/10

Reducers. Entries 85-98 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
9806048	NPS 24 x 20 | Schedule 140	REVIEW	236	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
163192895	NPS 24 x 22 | Schedule 140	REVIEW	233	Ambiguous continuation column: schedule mapping requires review; Missing/ambiguous wall; Missing/ambiguous wall2;...
112443070	NPS 34 x 24 | XXS	REVIEW	307	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
129464723	NPS 34 x 24 | Schedule 10	REVIEW	307	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
236575629	NPS 34 x 24 | Schedule 20	REVIEW	307	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
27008095	NPS 34 x 26 | Schedule 20	REVIEW	304	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
171074256	NPS 34 x 26 | XXS	REVIEW	304	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
224327254	NPS 34 x 26 | Schedule 10	REVIEW	304	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
44697244	NPS 34 x 30 | Schedule 20	REVIEW	301	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
50414521	NPS 34 x 30 | Schedule 10	REVIEW	301	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
232191403	NPS 34 x 30 | XXS	REVIEW	301	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
41252578	NPS 34 x 32 | XXS	REVIEW	298	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
61455940	NPS 34 x 32 | Schedule 20	REVIEW	298	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
234065469	NPS 34 x 32 | Schedule 10	REVIEW	298	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

8/10

Reducers. Entries 99-112 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
74474888	NPS 36 x 24 | Schedule 20	REVIEW	322	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
242783581	NPS 36 x 24 | Schedule 10	REVIEW	322	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
254068176	NPS 36 x 24 | XXS	REVIEW	322	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
74681640	NPS 36 x 26 | Schedule 10	REVIEW	319	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
177043033	NPS 36 x 26 | XXS	REVIEW	319	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
37844840	NPS 36 x 30 | XXS	REVIEW	316	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
124965768	NPS 36 x 30 | Schedule 20	REVIEW	316	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
193337188	NPS 36 x 30 | Schedule 10	REVIEW	316	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
69507651	NPS 36 x 32 | XXS	REVIEW	313	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
234913005	NPS 36 x 32 | Schedule 20	REVIEW	313	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
253044306	NPS 36 x 32 | Schedule 10	REVIEW	313	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
46564060	NPS 36 x 34 | Schedule 10	REVIEW	310	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
73540548	NPS 36 x 34 | XXS	REVIEW	310	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...
246236973	NPS 36 x 34 | Schedule 20	REVIEW	310	Source page 118 has inconsistent XXS/schedule headings; mapping requires review; Concentric nominal longitudinal...

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

9/10

Reducers. Entries 113-126 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
3417954	38 x 26 | Reference	REFERENCE	345	Continuation source-page headers conflict with the dimension columns; geometry withheld
4599579	38 x 28 | Reference	REFERENCE	342	Continuation source-page headers conflict with the dimension columns; geometry withheld
118465288	38 x 30 | Reference	REFERENCE	339	Continuation source-page headers conflict with the dimension columns; geometry withheld
197807981	38 x 32 | Reference	REFERENCE	336	Continuation source-page headers conflict with the dimension columns; geometry withheld
97932424	40 x 30 | Reference	REFERENCE	360	Continuation source-page headers conflict with the dimension columns; geometry withheld
206367952	40 x 32 | Reference	REFERENCE	357	Continuation source-page headers conflict with the dimension columns; geometry withheld
1191732	40 x 34 | Reference	REFERENCE	354	Continuation source-page headers conflict with the dimension columns; geometry withheld
36440007	40 x 36 | Reference	REFERENCE	351	Continuation source-page headers conflict with the dimension columns; geometry withheld
23262407	40 x 38 | Reference	REFERENCE	348	Continuation source-page headers conflict with the dimension columns; geometry withheld
144011446	42 x 30 | Reference	REFERENCE	401	Continuation source-page headers conflict with the dimension columns; geometry withheld
24866994	42 x 32 | Reference	REFERENCE	398	Continuation source-page headers conflict with the dimension columns; geometry withheld
178429087	42 x 34 | Reference	REFERENCE	395	Continuation source-page headers conflict with the dimension columns; geometry withheld
195394943	42 x 36 | Reference	REFERENCE	392	Continuation source-page headers conflict with the dimension columns; geometry withheld
99337254	42 x 38 | Reference	REFERENCE	366	Continuation source-page headers conflict with the dimension columns; geometry withheld

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducers

10/10

Reducers. Entries 127-139 of 139.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
157961836	42 x 40 | Reference	REFERENCE	363	Continuation source-page headers conflict with the dimension columns; geometry withheld
95187571	44 x 36 | Reference	REFERENCE	413	Continuation source-page headers conflict with the dimension columns; geometry withheld
200512599	44 x 38 | Reference	REFERENCE	410	Continuation source-page headers conflict with the dimension columns; geometry withheld
162433357	44 x 40 | Reference	REFERENCE	407	Continuation source-page headers conflict with the dimension columns; geometry withheld
207032976	44 x 42 | Reference	REFERENCE	404	Continuation source-page headers conflict with the dimension columns; geometry withheld
22152294	46 x 38 | Reference	REFERENCE	372	Continuation source-page headers conflict with the dimension columns; geometry withheld
87430267	46 x 40 | Reference	REFERENCE	369	Continuation source-page headers conflict with the dimension columns; geometry withheld
105457008	46 x 42 | Reference	REFERENCE	419	Continuation source-page headers conflict with the dimension columns; geometry withheld
105626296	46 x 44 | Reference	REFERENCE	416	Continuation source-page headers conflict with the dimension columns; geometry withheld
180644964	48 x 40 | Reference	REFERENCE	384	Continuation source-page headers conflict with the dimension columns; geometry withheld
233528788	48 x 42 | Reference	REFERENCE	381	Continuation source-page headers conflict with the dimension columns; geometry withheld
100421922	48 x 44 | Reference	REFERENCE	378	Continuation source-page headers conflict with the dimension columns; geometry withheld
201960909	48 x 46 | Reference	REFERENCE	375	Continuation source-page headers conflict with the dimension columns; geometry withheld

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducer inserts

1/6

Reducers. Entries 1-14 of 73.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
142314146	1/4 | Reference	REFERENCE	80	Reference dimensions only; family geometry not mapped yet
110016315	3/8 | Reference	REFERENCE	81	Reference dimensions only; family geometry not mapped yet
173503772	1/2 | Reference	REFERENCE	82	Reference dimensions only; family geometry not mapped yet
14146065	1/2 x 1/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
57050598	1/2 x 1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
112621997	1/2 x 3/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
86350903	1/2 x 3/8 | Reference	REFERENCE	45	Reference dimensions only; family geometry not mapped yet
179176340	3/4 | Reference	REFERENCE	83	Reference dimensions only; family geometry not mapped yet
203905142	3/4 x 1/8 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
213874620	3/4 x 1/4 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
19676873	3/4 x 3/8 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
72522041	3/4 x 3/8 | Reference	REFERENCE	47	Reference dimensions only; family geometry not mapped yet
22356246	3/4 x 1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
62652528	3/4 x 1/2 | Reference	REFERENCE	46	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducer inserts

2/6

Reducers. Entries 15-28 of 73.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
10108829	1 | Reference	REFERENCE	84	Reference dimensions only; family geometry not mapped yet
92456917	1 x 1/4 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
206824999	1 1/4 | Reference	REFERENCE	85	Reference dimensions only; family geometry not mapped yet
86241011	1 1/4 x 3/8 | Reference	REFERENCE	54	Reference dimensions only; family geometry not mapped yet
72030705	1 1/4 x 1/2 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
231271668	1 1/4 x 1/2 | Reference	REFERENCE	53	Reference dimensions only; family geometry not mapped yet
88126421	1 1/4 x 3/4 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
20020970	1 1/4 x 3/4 | Reference	REFERENCE	52	Reference dimensions only; family geometry not mapped yet
163261663	1 1/4 x 1 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
262509176	1 1/4 x 1 | Reference	REFERENCE	51	Reference dimensions only; family geometry not mapped yet
108400624	1 x 3/8 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
265331505	1 x 3/8 | Reference	REFERENCE	50	Reference dimensions only; family geometry not mapped yet
60784318	1 x 1/2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
18438558	1 x 1/2 | Reference	REFERENCE	49	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducer inserts

3/6

Reducers. Entries 29-42 of 73.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
204172309	1 1/2 | Reference	REFERENCE	86	Reference dimensions only; family geometry not mapped yet
91130996	1 1/2 x 1/2 | Reference	REFERENCE	25	Reference dimensions only; family geometry not mapped yet
169240503	1 1/2 x 1/2 | Reference	REFERENCE	58	Reference dimensions only; family geometry not mapped yet
11582804	1 1/2 x 3/4 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
69233181	1 1/2 x 3/4 | Reference	REFERENCE	57	Reference dimensions only; family geometry not mapped yet
59523420	1 1/2 x 1 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet
208749751	1 1/2 x 1 | Reference	REFERENCE	56	Reference dimensions only; family geometry not mapped yet
179006388	1 1/2 x 1 1/4 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
53953345	1 1/2 x 1 1/4 | Reference	REFERENCE	55	Reference dimensions only; family geometry not mapped yet
17130593	1 x 3/4 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
79847266	1 x 3/4 | Reference	REFERENCE	48	Reference dimensions only; family geometry not mapped yet
47278256	2 | Reference	REFERENCE	87	Reference dimensions only; family geometry not mapped yet
85184434	2 x 1/2 | Reference	REFERENCE	30	Reference dimensions only; family geometry not mapped yet
162701197	2 x 1/2 | Reference	REFERENCE	63	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducer inserts

4/6

Reducers. Entries 43-56 of 73.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
166696376	2 1/2 | Reference	REFERENCE	88	Reference dimensions only; family geometry not mapped yet
131285894	2 1/2 x 1/2 | Reference	REFERENCE	69	Reference dimensions only; family geometry not mapped yet
189139837	2 1/2 x 3/4 | Reference	REFERENCE	68	Reference dimensions only; family geometry not mapped yet
112519275	2 1/2 x 1 | Reference	REFERENCE	34	Reference dimensions only; family geometry not mapped yet
22314538	2 1/2 x 1 | Reference	REFERENCE	67	Reference dimensions only; family geometry not mapped yet
185075553	2 1/2 x 1 1/4 | Reference	REFERENCE	33	Reference dimensions only; family geometry not mapped yet
30000533	2 1/2 x 1 1/4 | Reference	REFERENCE	66	Reference dimensions only; family geometry not mapped yet
113535587	2 1/2 x 1 1/2 | Reference	REFERENCE	32	Reference dimensions only; family geometry not mapped yet
239471200	2 1/2 x 1 1/2 | Reference	REFERENCE	65	Reference dimensions only; family geometry not mapped yet
168773452	2 1/2 x 2 | Reference	REFERENCE	31	Reference dimensions only; family geometry not mapped yet
6835810	2 1/2 x 2 | Reference	REFERENCE	64	Reference dimensions only; family geometry not mapped yet
90570543	2 x 3/4 | Reference	REFERENCE	29	Reference dimensions only; family geometry not mapped yet
184434980	2 x 3/4 | Reference	REFERENCE	62	Reference dimensions only; family geometry not mapped yet
83851332	2 x 1 | Reference	REFERENCE	28	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducer inserts

5/6

Reducers. Entries 57-70 of 73.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
88154846	2 x 1 | Reference	REFERENCE	61	Reference dimensions only; family geometry not mapped yet
125146480	2 x 1 1/4 | Reference	REFERENCE	27	Reference dimensions only; family geometry not mapped yet
21930106	2 x 1 1/4 | Reference	REFERENCE	60	Reference dimensions only; family geometry not mapped yet
179260112	2 x 1 1/2 | Reference	REFERENCE	26	Reference dimensions only; family geometry not mapped yet
220328568	2 x 1 1/2 | Reference	REFERENCE	59	Reference dimensions only; family geometry not mapped yet
189440430	3 | Reference	REFERENCE	89	Reference dimensions only; family geometry not mapped yet
110888333	3 x 1 | Reference	REFERENCE	39	Reference dimensions only; family geometry not mapped yet
95075237	3 x 1 | Reference	REFERENCE	74	Reference dimensions only; family geometry not mapped yet
114937606	3 x 1 1/4 | Reference	REFERENCE	38	Reference dimensions only; family geometry not mapped yet
81848974	3 x 1 1/4 | Reference	REFERENCE	73	Reference dimensions only; family geometry not mapped yet
205656818	3 x 1 1/2 | Reference	REFERENCE	37	Reference dimensions only; family geometry not mapped yet
139572211	3 x 1 1/2 | Reference	REFERENCE	72	Reference dimensions only; family geometry not mapped yet
69744706	3 x 2 | Reference	REFERENCE	36	Reference dimensions only; family geometry not mapped yet
207828267	3 x 2 | Reference	REFERENCE	71	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

Reducer inserts

6/6

Reducers. Entries 71-73 of 73.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
224307449	3 x 2 1/2 | Reference	REFERENCE	35	Reference dimensions only; family geometry not mapped yet
75298205	3 x 2 1/2 | Reference	REFERENCE	70	Reference dimensions only; family geometry not mapped yet
224551788	4 | Reference	REFERENCE	90	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducers

1/7

Reducers. Entries 1-14 of 93.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
161940383	NPS 3/4 x 1/2 | Schedule 5	REVIEW	8	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
202522944	NPS 1 1/4 x1/2 | Schedule 5	REVIEW	29	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
119261292	NPS 1 1/4 x 3/4 | Schedule 5	REVIEW	26	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
93954652	NPS 1 1/4 x 1 | Schedule 5	REVIEW	23	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
208017780	NPS 1 x 1/2 | Schedule 5	REVIEW	17	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
32547106	NPS 1 1/2 x 1/2 | Schedule 5	REVIEW	41	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
201318714	NPS 1 1/2 x 3/4 | Schedule 5	REVIEW	38	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
191395084	NPS 1 1/2 x 1 | Schedule 5	REVIEW	35	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
137879939	NPS 1 1/2 x 1 1/4 | Schedule 5	REVIEW	32	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
225890733	NPS 1 x 3/4 | Schedule 5	REVIEW	14	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
174428145	NPS 2 1/2 x 1 | Schedule 5	REVIEW	65	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
241356153	NPS 2 1/2 x 1 1/4 | Schedule 5	REVIEW	62	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
11128505	NPS 2 1/2 x 1 1/2 | Schedule 5	REVIEW	59	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
111033584	NPS 2 1/2 x 2 | Schedule 5	REVIEW	56	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducers

2/7

Reducers. Entries 15-28 of 93.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
40904589	NPS 2 x 3/4 | Schedule 5	REVIEW	53	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
124560333	NPS 2 x 1 | Schedule 5	REVIEW	50	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
223916723	NPS 2 x 1 1/4 | Schedule 5	REVIEW	47	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
126971842	NPS 2 x 1 1/2 | Schedule 5	REVIEW	44	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
44767891	NPS 3 1/2 x 1 1/4 | Schedule 5	REVIEW	92	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
198056698	NPS 3 1/2 x 1 1/2 | Schedule 5	REVIEW	89	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
37530269	NPS 3 1/2 x 2 | Schedule 5	REVIEW	86	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
129864691	NPS 3 1/2 x 2 1/2 | Schedule 5	REVIEW	83	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
40592017	NPS 3 1/2 x 3 | Schedule 5	REVIEW	80	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
104828917	NPS 3 x 1 1/4 | Schedule 5	REVIEW	77	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
153731257	NPS 3 x 1 1/2 | Schedule 5	REVIEW	74	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
31638356	NPS 3 x 2 | Schedule 5	REVIEW	71	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
179205463	NPS 3 x 2 1/2 | Schedule 5	REVIEW	68	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
24821201	NPS 4 x 1 1/2 | Schedule 5	REVIEW	107	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducers

3/7

Reducers. Entries 29-42 of 93.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
147491403	NPS 4 x 2 | Schedule 5	REVIEW	104	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
111714921	NPS 4 x 2 1/2 | Schedule 5	REVIEW	101	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
96110663	NPS 4 x 3 | Schedule 5	REVIEW	98	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
70145148	NPS 4 x 3 1/2 | Schedule 5	REVIEW	95	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
60637117	NPS 5 x 2 | Schedule 5	REVIEW	122	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
49539048	NPS 5 x 2 1/2 | Schedule 5	REVIEW	119	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
213186394	NPS 5 x 3 | Schedule 5	REVIEW	116	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
37680344	NPS 5 x 3 1/2 | Schedule 5	REVIEW	113	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
28155735	NPS 5 x 4 | Schedule 5	REVIEW	110	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
141674018	NPS 6 x 2 1/2 | Schedule 5	REVIEW	137	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
182334068	NPS 6 x 3 | Schedule 5	REVIEW	134	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
215686681	NPS 6 x 3 1/2 | Schedule 5	REVIEW	131	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
56122908	NPS 6 x 4 | Schedule 5	REVIEW	128	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
196169136	NPS 6 x 5 | Schedule 5	REVIEW	125	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducers

4/7

Reducers. Entries 43-56 of 93.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
16048975	NPS 8 x 3 1/2 | Schedule 5	REVIEW	149	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
109680646	NPS 8 x 4 | Schedule 5	REVIEW	146	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
144697263	NPS 8 x 5 | Schedule 5	REVIEW	143	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
105571653	NPS 8 x 6 | Schedule 5	REVIEW	140	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
131314455	NPS 10 x 4 | Schedule 5	REVIEW	161	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
202105783	NPS 10 x 5 | Schedule 5	REVIEW	158	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
103455287	NPS 10 x 6 | Schedule 5	REVIEW	155	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
161558488	NPS 10 x 8 | Schedule 5	REVIEW	152	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
172822717	NPS 12 x 5 | Schedule 5	REVIEW	173	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
70931007	NPS 12 x 6 | Schedule 5	REVIEW	170	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
36042125	NPS 12 x 8 | Schedule 5	REVIEW	167	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
89627163	NPS 12 x 10 | Schedule 5	REVIEW	164	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
6675524	NPS 14 x 6 | Schedule 5	REVIEW	185	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
265075990	NPS 14 x 6 | Schedule 40	REVIEW	185	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducers

5/7

Reducers. Entries 57-70 of 93.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
59463759	NPS 14 x 8 | Schedule 5	REVIEW	182	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
89601836	NPS 14 x 8 | Schedule 40	REVIEW	182	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
186966057	NPS 14 x 10 | Schedule 40	REVIEW	179	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
244921686	NPS 14 x 10 | Schedule 5	REVIEW	179	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
77895523	NPS 14 x 12 | Schedule 5	REVIEW	176	Reducer end sizes are not decreasing; Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal...
148966710	NPS 14 x 12 | Schedule 40	REVIEW	176	Reducer end sizes are not decreasing; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillet...
182348082	NPS 16 x 8 | Schedule 5	REVIEW	197	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
260122744	NPS 16 x 8 | Schedule 40	REVIEW	197	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
118381653	NPS 16 x 10 | Schedule 5	REVIEW	194	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
241884857	NPS 16 x 10 | Schedule 40	REVIEW	194	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
94001229	NPS 16 x 12 | Schedule 5	REVIEW	191	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
114530807	NPS 16 x 12 | Schedule 40	REVIEW	191	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
125413609	NPS 16 x 14 | Schedule 5	REVIEW	188	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
255097131	NPS 16 x 14 | Schedule 40	REVIEW	188	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducers

6/7

Reducers. Entries 71-84 of 93.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
31930439	NPS 18 x 10 | Schedule 5	REVIEW	209	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
78416008	NPS 18 x 10 | Schedule 40	REVIEW	209	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
103306644	NPS 18 x 12 | Schedule 5	REVIEW	206	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
172835016	NPS 18 x 12 | Schedule 40	REVIEW	206	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
59835869	NPS 18 x 14 | Schedule 40	REVIEW	203	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
104445087	NPS 18 x 14 | Schedule 5	REVIEW	203	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
98807106	NPS 18 x 16 | Schedule 5	REVIEW	200	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
145358573	NPS 18 x 16 | Schedule 40	REVIEW	200	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
58308809	NPS 20 x 12 | Schedule 5	REVIEW	221	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
140574607	NPS 20 x 14 | Schedule 40	REVIEW	218	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
149057259	NPS 20 x 14 | Schedule 5	REVIEW	218	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
41523695	NPS 20 x 16 | Schedule 5	REVIEW	215	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
180885469	NPS 20 x 16 | Schedule 40	REVIEW	215	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
180105101	NPS 20 x 18 | Schedule 5	REVIEW	212	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducers

7/7

Reducers. Entries 85-93 of 93.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
224114450	NPS 20 x 18 | Schedule 40	REVIEW	212	Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
212731573	NPS 22 x 14 (3) | Schedule 5	REVIEW	233	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
75969152	NPS 22 x 16 (3) | Schedule 5	REVIEW	230	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
229167269	NPS 22 x 18 (3) | Schedule 5	REVIEW	227	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
206758106	NPS 22 x 20 (3) | Schedule 5	REVIEW	224	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
64158471	NPS 24 x 16 | Schedule 5	REVIEW	245	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
241828988	NPS 24 x 18 | Schedule 5	REVIEW	242	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
251450639	NPS 24 x 20 | Schedule 5	REVIEW	239	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified
204289848	NPS 24 x 22 (3) | Schedule 5	REVIEW	236	Missing/ambiguous wall; Missing/ambiguous wall2; Concentric nominal longitudinal section; transition fillets not specified

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD FM reducers

1/2

Reducers. Entries 1-14 of 17.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
190739956	3/8 x 1/4 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
773663	1/2 x 1/4 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
165369153	1/2 x 3/8 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
230835833	3/4 x 1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
252026070	1 x 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
48579527	1 x 1/2 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
118728921	1 x 3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
166335085	2 x 1/2 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet
129542749	2 1/2 x 2 | Reference	REFERENCE	21	Reference dimensions only; family geometry not mapped yet
28198988	2 x 1 | Reference	REFERENCE	20	Reference dimensions only; family geometry not mapped yet
203685930	11/4 x 1 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
162367390	3 x 2 | Reference	REFERENCE	22	Reference dimensions only; family geometry not mapped yet
190831578	4 x 2 | Reference	REFERENCE	24	Reference dimensions only; family geometry not mapped yet
79870664	4 x 3 | Reference	REFERENCE	23	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD FM reducers

2/2

Reducers. Entries 15-17 of 17.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
209441004	11/2 x 1/2 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
105481095	11/2 x 3/4 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
30244925	11/2 x 1 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Equal tees

1/1

Tees and crosses. Entries 1-2 of 2.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
74029695	NPS 20 | Schedule 20	REVIEW	44	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2
232866917	NPS 24 | Schedule 20	REVIEW	48	Missing/ambiguous wall; Missing/ambiguous wall2

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducing tees

1/2

Tees and crosses. Entries 1-14 of 27.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
61318048	NPS 1 x 1/2 | Schedule 40	REVIEW	23	Missing/ambiguous wall; Missing/ambiguous wall2
156066953	NPS 1 x 1/2 | Schedule 80	REVIEW	23	Missing/ambiguous wall; Missing/ambiguous wall2
134358828	NPS 1 x 3/4 | Schedule 80	REVIEW	20	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2
157191055	NPS 1 x 3/4 | Schedule 40	REVIEW	20	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2
265104502	NPS 8 x 4 | Schedule 40	REVIEW	146	Missing/ambiguous wall; Missing/ambiguous wall2
106919636	NPS 8 x 5 | Schedule 40	REVIEW	143	Unresolved schedule reference; Missing/ambiguous wall; Missing/ambiguous wall2
169648582	NPS 32 x 14 | Schedule 30	REVIEW	450	Second wall closes the bore
108621505	NPS 46 x 22 | XS	REVIEW	620	Missing/ambiguous od
139007586	NPS 46 x 22 | STD	REVIEW	620	Missing/ambiguous od
9742534	NPS 46 x 24 | XS	REVIEW	617	Missing/ambiguous od
61898285	NPS 46 x 24 | STD	REVIEW	617	Missing/ambiguous od
197218421	NPS 48 x 32 | XS	REVIEW	644	Missing/ambiguous od
240983809	NPS 48 x 32 | STD	REVIEW	644	Missing/ambiguous od
63452580	NPS 48 x 34 | XS	REVIEW	641	Missing/ambiguous od

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

CS Reducing tees

2/2

Tees and crosses. Entries 15-27 of 27.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
245725459	NPS 48 x 34 | STD	REVIEW	641	Missing/ambiguous od
123184057	NPS 48 x 36 | STD	REVIEW	638	Missing/ambiguous od
263856368	NPS 48 x 36 | XS	REVIEW	638	Missing/ambiguous od
150062459	NPS 48 x 38 | XS	REVIEW	635	Missing/ambiguous od
183700590	NPS 48 x 38 | STD	REVIEW	635	Missing/ambiguous od
156190663	NPS 48 x 40 | XS	REVIEW	632	Missing/ambiguous od
236303387	NPS 48 x 40 | STD	REVIEW	632	Missing/ambiguous od
43675045	NPS 48 x 42 | STD	REVIEW	629	Missing/ambiguous od
176143429	NPS 48 x 42 | XS	REVIEW	629	Missing/ambiguous od
187088937	NPS 48 x 44 | XS	REVIEW	626	Missing/ambiguous od
195008800	NPS 48 x 44 | STD	REVIEW	626	Missing/ambiguous od
54630884	NPS 48 x 46 | XS	REVIEW	623	Missing/ambiguous od
81734677	NPS 48 x 46 | STD	REVIEW	623	Missing/ambiguous od

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Equal tees

1/1

Tees and crosses. Entries 1-5 of 5.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
125106717	NPS 14 | Schedule 40	REVIEW	38	Missing/ambiguous wall; Missing/ambiguous wall2
207614084	NPS 16 | Schedule 40	REVIEW	40	Missing/ambiguous wall; Missing/ambiguous wall2
149250577	NPS 18 | Schedule 40	REVIEW	42	Missing/ambiguous wall; Missing/ambiguous wall2
68745795	NPS 20 | Schedule 40	REVIEW	44	Missing/ambiguous wall; Missing/ambiguous wall2
10597498	NPS 24 | Schedule 40	REVIEW	48	Missing/ambiguous wall; Missing/ambiguous wall2

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducing tees

1/2

Tees and crosses. Entries 1-14 of 20.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
6851777	NPS 2 1/2 x 1 | Schedule 5	REVIEW	68	Irregular thickness/weight subrows
6899029	NPS 2 1/2 x 1 | Schedule 80	REVIEW	68	Irregular thickness/weight subrows
16106774	NPS 2 1/2 x 1 | Schedule 40	REVIEW	68	Irregular thickness/weight subrows
250201713	NPS 2 1/2 x 1 | Schedule 10	REVIEW	68	Irregular thickness/weight subrows
22027914	NPS 6 x 3 1/2 | Schedule 10	REVIEW	132	Irregular thickness/weight subrows
42620229	NPS 6 x 3 1/2 | Schedule 80	REVIEW	132	Irregular thickness/weight subrows
94099441	NPS 6 x 3 1/2 | Schedule 5	REVIEW	132	Irregular thickness/weight subrows
122750077	NPS 6 x 3 1/2 | Schedule 40	REVIEW	132	Irregular thickness/weight subrows
19481961	NPS 10 x 4 | Schedule 80	REVIEW	163	Irregular thickness/weight subrows
33755640	NPS 10 x 4 | Schedule 40	REVIEW	163	Irregular thickness/weight subrows
77744031	NPS 10 x 4 | Schedule 5	REVIEW	163	Irregular thickness/weight subrows
246924320	NPS 10 x 4 | Schedule 10	REVIEW	163	Irregular thickness/weight subrows
37850812	NPS 16 x 12 | Schedule 40	REVIEW	194	Irregular thickness/weight subrows
41552758	NPS 16 x 12 | Schedule 10	REVIEW	194	Irregular thickness/weight subrows

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SS Reducing tees

2/2

Tees and crosses. Entries 15-20 of 20.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
183079812	NPS 16 x 12 | Schedule 5	REVIEW	194	Irregular thickness/weight subrows
98004334	NPS 20 x 16 | Schedule 5	REVIEW	225	Irregular thickness/weight subrows
116608306	NPS 20 x 16 | Schedule 40	REVIEW	225	Irregular thickness/weight subrows
205551948	NPS 20 x 16 | Schedule 10	REVIEW	225	Irregular thickness/weight subrows
127940447	NPS 22 x 10 (3) | Schedule 5	REVIEW	256	Irregular thickness/weight subrows
228946205	NPS 22 x 10 (3) | Schedule 10	REVIEW	256	Irregular thickness/weight subrows

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

SW tees crosses

1/1

Tees and crosses. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
215432586	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
96924580	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
216068127	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
130671313	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
125677984	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
194203330	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
242510404	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
63347748	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
80114133	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
221716088	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
78740414	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
52418644	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

07 / SOURCE REVIEW AND REFERENCES

Source review and references

THD tees crosses

1/1

Tees and crosses. Entries 1-12 of 12.

These records are retained in SDS but cannot produce a qualified library drawing. Original field labels, available values and complete review notes are preserved in the attached SDS-Piping-Dimensions.csv.

ID	SOURCE DESIGNATION	STATUS	ROW	REVIEW REASON / SOURCE STATE
17685552	1/8 | Reference	REFERENCE	8	Reference dimensions only; family geometry not mapped yet
28880047	1/4 | Reference	REFERENCE	9	Reference dimensions only; family geometry not mapped yet
146106597	3/8 | Reference	REFERENCE	10	Reference dimensions only; family geometry not mapped yet
231291779	1/2 | Reference	REFERENCE	11	Reference dimensions only; family geometry not mapped yet
79549761	3/4 | Reference	REFERENCE	12	Reference dimensions only; family geometry not mapped yet
236152009	1 | Reference	REFERENCE	13	Reference dimensions only; family geometry not mapped yet
97768214	1 1/4 | Reference	REFERENCE	14	Reference dimensions only; family geometry not mapped yet
233750807	1 1/2 | Reference	REFERENCE	15	Reference dimensions only; family geometry not mapped yet
151279621	2 | Reference	REFERENCE	16	Reference dimensions only; family geometry not mapped yet
35937732	2 1/2 | Reference	REFERENCE	17	Reference dimensions only; family geometry not mapped yet
68099567	3 | Reference	REFERENCE	18	Reference dimensions only; family geometry not mapped yet
242446693	4 | Reference	REFERENCE	19	Reference dimensions only; family geometry not mapped yet

Review: source dimensions need checking. Reference: geometry is not mapped, or the source table is unresolved. No missing measurements, nominal sizes or pressure ratings have been fabricated.

Catalog sections

Chapter and section navigation

EDITION

REVISION / DATE

CHAPTER	TITLE / SECTION	PAGE

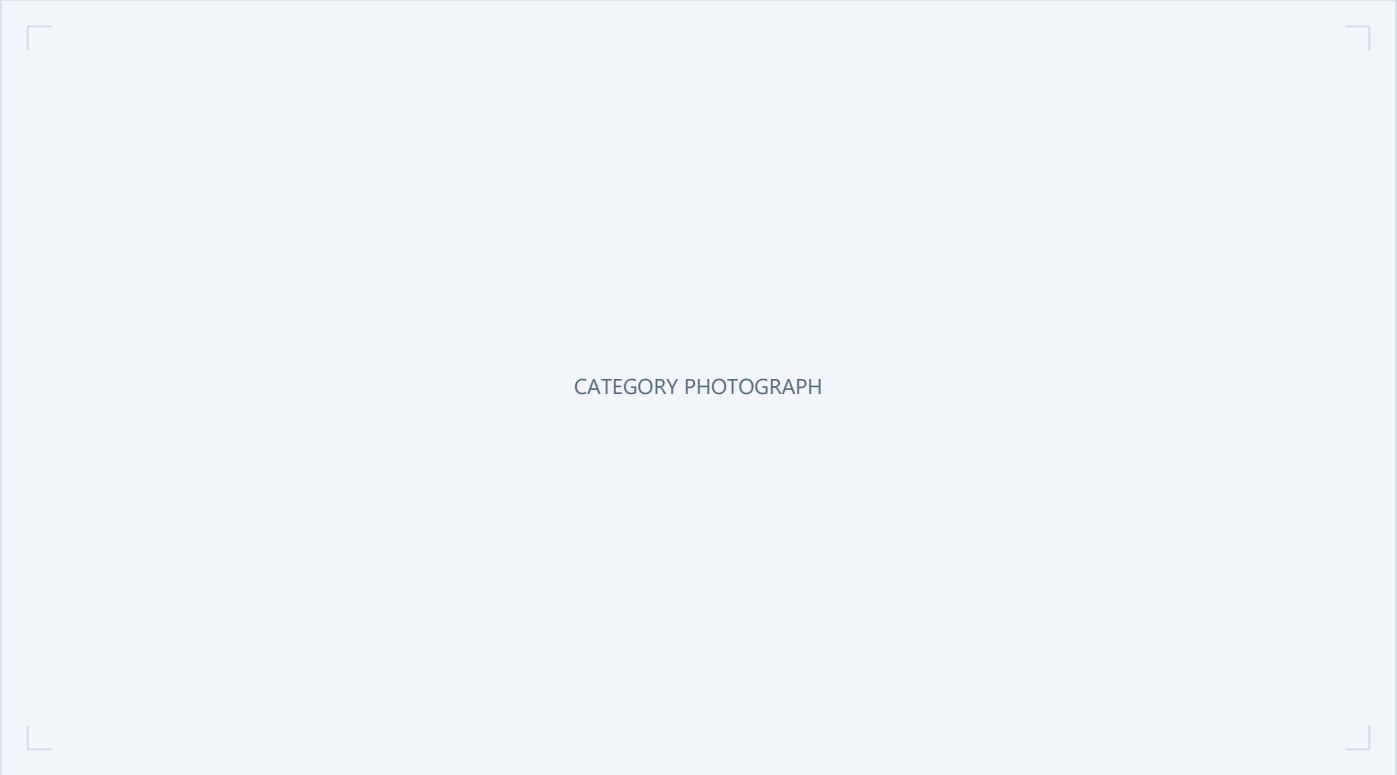
EDITORIAL NOTES

Chapter opener

A full-page introduction to a product category

CHAPTER NUMBER

CATEGORY



CHAPTER TITLE

INTRODUCTION

SECTIONS IN THIS CHAPTER

Product family

Family overview and related subfamilies

PRODUCT FAMILY

COMPANY / MANUFACTURER



OVERVIEW

APPLICATIONS





SUBFAMILY

SUBFAMILY

FAMILY NOTES

Product selection

Four products within a family or section

FAMILY / SECTION

PRODUCT IMAGE

PRODUCT NAME

COMPANY / MANUFACTURER

REFERENCE **SIZE / DN**

PRODUCT IMAGE

PRODUCT NAME

COMPANY / MANUFACTURER

REFERENCE **SIZE / DN**

PRODUCT IMAGE

PRODUCT NAME

COMPANY / MANUFACTURER

REFERENCE **SIZE / DN**

PRODUCT IMAGE

PRODUCT NAME

COMPANY / MANUFACTURER

REFERENCE **SIZE / DN**

Product detail

Product identity, description and applications

PRODUCT NAME

COMPANY / MANUFACTURER



PRODUCT REFERENCE

FAMILY / CATEGORY

SIZE / DN

DESCRIPTION

KEY FEATURES

APPLICATIONS

MATERIAL

CONNECTION / INTERFACE

SOURCE DOCUMENT / REVISION

Technical specifications

Parameters, units and source references

PRODUCT / MODEL

REFERENCE

PARAMETER	VALUE / RANGE	UNIT	NOTES

OPERATING / TEST CONDITIONS

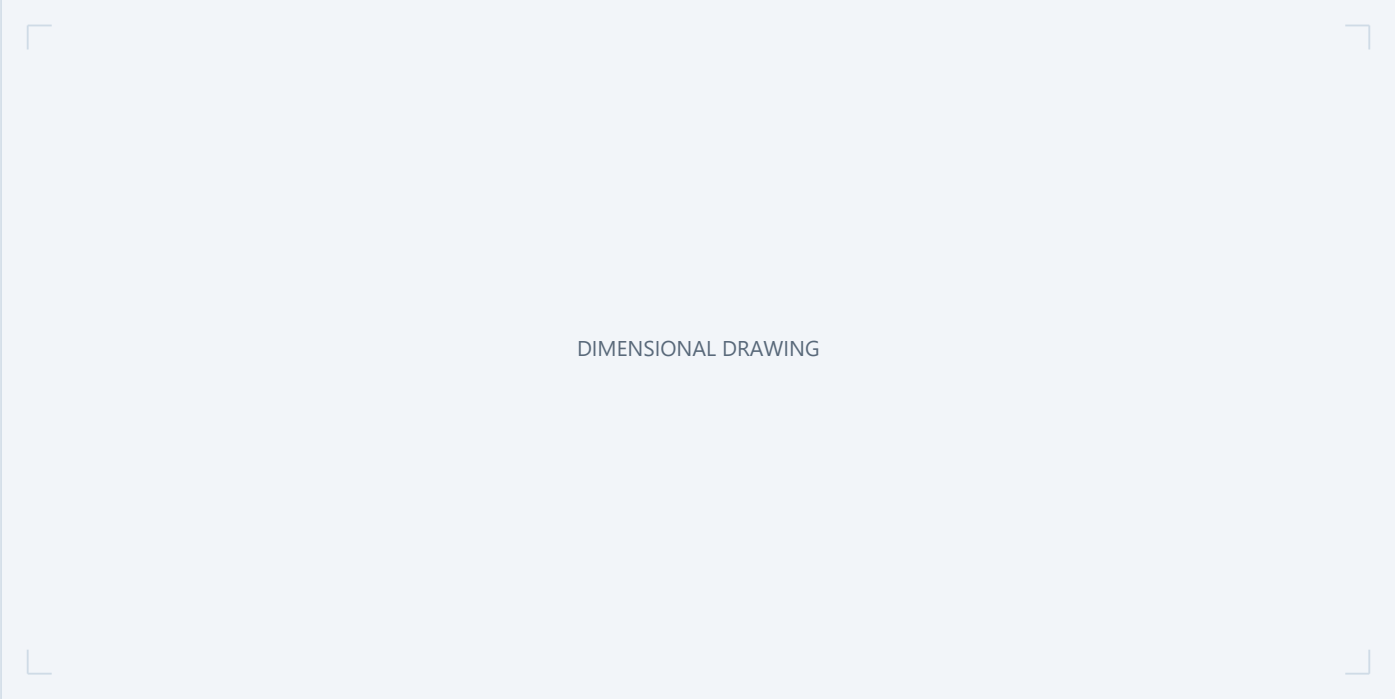
SOURCE DATASHEET / REVISION

Dimensions and variants

Drawing, references and dimensional data

PRODUCT / FAMILY

DRAWING REFERENCE



REFERENCE	SIZE / DN	A	B	C	UNIT	MASS

DIMENSION NOTES / TOLERANCES

Product schedule

Company, reference and quantity schedule

PROJECT / CATALOG SECTION

REVISION

ITEM	COMPANY	PRODUCT / REFERENCE	QTY	UNIT	NOTES

SCHEDULE NOTES

Company index

Alphabetical listing / 957 companies

A

amtec Advanced Measurement Messtechnischer Service GmbH

D

DURIT Hartmetall GmbH
DÜRR NDT GmbH & Co. KG
Dutch Filtration
DUTCHWERK MIDDLE EAST OIL EQUIPMENT LLC
DynaEnergetics
Dynamics Scientific, Inc.

E

E2S Warning Signals
Eagleburgmann
EAST GULF INDUSTRY FACTORY
EAST PIPES INTEGRATED COMPANY FOR INDUSTRY
EcoReach
Edmonton Global
EEW Group
EGA GROUP
EGA Master
Elcometer L.L.C.
Elegar Kerpen Kabel India Pvt. Ltd
Element Materials Technology Me Limited
ELEPHANT MACHINERY
ELIN Motoren
ELMESS Thermosytemtechnik
ELMEX ELECTRIC PVT. LTD
EMCE WINCHES
Emdad Llc
Emeesco
EMERSON
Emirates National Chemicals Company (Emochem)
Emirates Tech (ETech) UAE
EMPIT
EMPOWER ENGINEERING RESOURCES CO L.L.C

E continued

Endress+Hauser
ENDURO SOFTSLINGS
Enerflex Ltd
Energy Metals Inc.
ENERPAC
ENERSOL
Enerwhere Sustainable Energy Limited
ENEXIO POWER COOLING SOLUTIONS INDIA PVT. LTD.
ENFRIO SRL
Enhydra Ltd
ENIPROM Gas & Oilfield Equipment and Services LLC
EnReach Hot Tap Services
Ensign Drilling Inc
Enventure Global Technology Inc.
Envirozone LLC
EPCPROMAN Software System-L.L.C.-S.P.C.
ERGIL GROUP
ESI Technology
ESMA Industrial Enterprises LLC
Estavros Engineering and Design
EthosEnergy
ETS - ENGINEERING, TRASPORTO E SOLLEVAMENTO SPA
Eureka Industrial Equipments Pvt. Ltd.
Euroblast Middle East
EUROCONTROLLI SRL
Euro Gas Systems Srl
Eurogulf Transformer FZE
Euro Mechanical & Electrical Contracting Company Sole Proprietorship LLC.
EuropCorr, Internal Corrosion Monitoring
Evergreen Technologies Pvt. Ltd.
Ever Mark Valves and Controls Manufacturing Ltd
Evident
EVIDENT Europe GmbH -OLYMPUS
EVOLEN
Evonik
Exail

Company index

Alphabetical listing / 957 companies

E continued

EXAKTA
Exalto Emirates
EXA SRL
Excel Astra Engineering & Construction LLC
EXCEN S.R.L.
Expeditors International Abu Dhabi (AUH)
Expetro Energy Service Co.,Ltd
Expro
Exxon (Al Khalij) Inc.
EZEFLOW

F

FABHIND PRIVATE LIMITED
FACO SPA
FAI FILTRI S.R.L.
Falcor Engineering &contracting Services.Llc
F.B. S.p.A.
Federation Of Indian Petroleum Industry
FEITING PIPE ENGINEERING CO.,LTD
Fendercare Middle East LLC
FEROLITE JOINTINGS LTD
FET (Forum Energy Technologies)
Fibron
FILTER CONCEPT PRIVATE LIMITED
Filtrec Middle East FZC
Fineotex Chemical Limited
Finepac Structures Private Limited
Fiorentina Energy & Technologies
FireDos
Fire & Gas Detection Technologies, Inc
Fishbones
FITOK GmbH
FITTINOX S.R.L.
FLAROMAN / MAJEES TECHNICAL SERVICES LLC
Fleet Management Systems & Technologies
FLENCO METANOIMPIANTI

F continued

FLENDER-GRAFFENSTADEN SAS
Flexitallic
Flexomarine S. A.
Flottweg
Floval LLC
FLOWCHEM PROCESS EQUIPMENTS
Flowline Controls Oilfield Supplies and Trading
FLOWONE
Fluenta AS
Fluidex
Fluids Chem Co.,Ltd
Fluytec
FLV INDUSTRIAL VALVES
Flyt for Travel & Tourism LLC
Fontana Fasteners Gulf Trading LLC
FORBES MARSHALL PRIVATE LIMITED
FORT Group
Fortis Telecommunication Equipment Trading LLC
FOSINA
Framo AS
FRANCO TOSI MECCANICA SPA
Freeze Cast
FRIJNS STEEL CONSTRUCTION MIDDLE EAST
Frogmen Technologies Diving Services LLC OPC
FS-Elliott
Ftv Proclad Llc
FUGRO
FULGOSI GIOVANNI S.R.L.
Fulkrum Technical Resources
Furtak & Salvenmoser
Future Synthetic Pte Ltd

G

Gagemaker
GALLI & CASSINA
GALPERTI GROUP

Company index

Alphabetical listing / 957 companies

G continued

Garware Technical Fibres India
GAS SENSE - Invest Electronics Ltd
GAUTAM SOLAR PRIVATE LIMITED
G.B.C. INDUSTRIAL TOOLS S.P.A.
GD Energy Products
GEA Westfalia Separator Group GmbH
GEMINUS.AI INC.
GEMSONS PRECISION ENGINEERING PVT LTD
Geoteric
Geo Vista FZE
German Diesel Experts LLC
GERPA ELEKTRIK TEKSTIL SAN.VE TIC.A.S
GERSAN ELEKTRIK TICARET VE SANAYI ANONIM SIRKETI
Gesellschaft für Oeltechnik mit beschränkter Haftung
GE Vernova
GEVIN OILFIELD SERVICES LLC
GHGSat
GKT GmbH
Glamox
GLENAIR
GLOAZURE CO., LTD.
Global Beam Telecom
Global Beam Telecom LLC
Global Petroleum Supply FZE
GLOBAL RESOURCES LLC
Global Technical Commercial Agencies (GTCA)
Globe United FZE
GN Solids Control
GODDIE CHEMICALS INTERNATIONAL LIMITED
Golden Harbour Technical Equipment Trading And Importing
Goltens Co. Ltd - Abu Dhabi
GOMA Pumps & Systems
GOODLUCK ENGINEERING CO.
GOODRICH GASKET PRIVATE LIMITED
Goodway Technologies Corporation
GORIZIANE E&C SPA

G continued

Gosan Sociedad Anonima
Government of Alberta
GOWell
GPA-GCC Chapter
GPE Turbo
GPT Industries
GRAND PRIX ENGINEERING PVT LTD
Grandweld Shipyards
Greatwall Drilling Company - Abu Dhabi
Greene Tweed
Green Pin® (Royal Van Beest)
G TAG ENERGY LLC
GUANGZHOU SOTERIA TECHNOLOGY CO LTD.
Guardian Telecom Ltd.
Gujarat Fluorochemicals Limited
Gulf Cryo LLC
Gulf Energy Information
Gulf Industrial Services Company GISCO LLC SPC
Gulf Island Technical Oilfield Services-GULFTECH
Gulf Marine Services
Gulf Rope Plastic Products Co.llc
Gutor
GW Cable Tie Group
GY Marine Services LLC

H

HAANE welding systems
HABSHAN TRADING COMPANY LLC
Habu Technology FZCO
HACI AYVAZ END. MAM.SAN VE TIC.AS.
HAIMO
Halliburton
Halton Wales (MEI)
Hamriyah Free Zone
HANDOL PUMPS
Hangzhou Fortune Gas Cryogenic Group Co., Ltd

Company index

Alphabetical listing / 957 companies

H continued

HANSA FLEX HYDRAULICS
HANSHIN INDUS CO.,LTD
HANWEI ELECTRONICS GROUP CORPORATION
HappyRobot
HAREKET
Haris Al Afaq Llc
Harris Pye
HATRACO
HATTA TRADING AND SERVICES - L.L.C - O.P.C
Haward Technology Middle East
Haws AG
Hayat AlKhera
HBL Engineering Limited
HDmann Electric Group Co.,Ltd.
Hebei All Land Steel Pipe Manufacturing Co.,Ltd
HEBEI BO STAR PETROCHEMICAL EQUIPMENT CO.,LTD (SHAKER SCREEN)
HEBEI FOCUS PIPING CO.,LTD
HEBEI HUAYANG STEEL PIPE CO.,LTD
HEBEI JIUYUAN PIPELINE MANUFACTURING CO.,LTD
Hebei Longway Petroleum Equipment Co.,Ltd.
HEBEI PROVINCE YANSHAN COUNTY DIANLI PIPE FITTINGS CO., LTD
HEBEI SIBERIA SPECIAL RUBBER CO.,LTD
HEBEI SUNSHINE PETROLEUM MACHINERY CO., LTD.
HEBEI XINYUE HIGH PRESSURE FLANGE AND PIPE FITTTING CO., LTD
HEBEI YUANDONG PUMPS MANUFACTURING LTD.,
Heilongjiang North Shuangjia Drilling Tools Co., Ltd.
Hempel A/s
HEMPEL FORGE LIMITED
Henan Chicheng Electric Co.,Ltd
HENAN SHENLONG PETROLEUM DRILLING TOOLS CO., LTD
Hengtong Group (HTGD)
Hengying Wire Cloth Co.,Ltd.
Henkel | Seal For Life Industries
Herman Senior B.V.
HERMETIC-Pumpen GmbH

H continued

HEROSE
HESHKA OIL LLC
Hewitech GmbH
Hiber
HI BOND BEARINGS PVT LTD
Hi-Force Limited
Hilman, Inc.
HILONG
Himile Mechanical Manufacturing (Shandong) Co., Ltd.
HITACHI ENERGY SYSTEMS L.L.C.
Hitco Electricals Private Limited
HI-TECH ELASTOMERS LTD.
Hobark International Limited
Holland Hydrogen Hub
Holyhead Towing
Honeywell Technologies
Honghua Group
Honsberg Metallsägen
HORIBA Middle East Limited
Horiba Tocadero GmbH
Horizon Geosciences
Hornet Laser Cladding B.V.
Hoto Engineering
HRH Geology
Huatong Petroleum
Hubbell
Hubei Petrokh Machine Manufacturing Co., Ltd
Hubei Teweite Power Technology Co., Ltd.
Hunan ShunFu Metal Material Co., Ltd.
HUNTER BUILDINGS INTERNATIONAL BV
Hunting Energy Services FZE
Huntsman
Hydrolox
Hydroserve Group
HY-LOK CORPORATION
HYTORC

Company index

Alphabetical listing / 957 companies

I

ICEqube, Inc.
IEC TELECOM
IES SRL
IK-Group AS
IKM Subsea Middle East FZCO
ILF Consulting Engineers
Immensa
IMPACT Pump Solutions
Imperial Garments Industry
Imtex Controls
Indiana Gratings Private Limited
Indian Chamber Of Commerce
Indian Institute of Technology Delhi - Abu Dhabi
Indra Group
INDRA SRL
Industrial Scientific
Indusun Drilling Fluids
InflowControl
Ingersoll Rand
Ingeteam
Inland Tarp & Liner
INNIO Group
INNOMOTICS CONTRACTING - L.L.C
Innospec Inc.
INPEX CORPORATION
INPROSEAL
INTEGRATED PETROLEUM IPC FZCO
Integrated Rectier Technologies
Interfaccia Pte Ltd
International Development Company LLC
International Power & Marine Group
INTERNATIONAL TRADING CIRCLE LLC
INTERO ACTUATOR
Interpipe M.E FZE
Interwell
IPCM CORROSION PROTECTION
IPI PACKERS

I continued

Iraeta Energy Equipment Co.,Ltd
IRE OIL & GAS FZE
IRIS Tech
i.safe MOBILE GmbH
ISEP INTERNATIONAL SDN BHD
Ishraqaat Al-Taqwwa General Trading Co.
Ismat Seals And Hydraulics Inc
ITP Media Group
ITW Performance Polymers
IYYM EPS FZE

J

JACQUET INTERNATIONAL
Japan Organization for Metals and Energy Security (JOGMEC)
JC VALVES
JDR & TFK
Jereh group
Jeumont Electric
JGC Corporation
JIANGMEN GREAT FLUID SEALS CO., LTD.
JIANGNAN SHIPYARD(GROUP)CO.,LTD
Jiangsu Binhai Economic Development Zone
Jiangsu CSA
Jiangsu Golden Gate Energy & Equipment Co., Ltd
Jiangsu Hongtai Petrochemical Machinery Co, Ltd.
Jiangsu Huaying Valves Co.,Ltd
Jiangsu Huazhiyi Machinery Co., Ltd
JIANGSU KANGNING EXPLOSION-PROOF TECHNOLOGY CO., LTD
Jiangsu National Nickel New Material Technology Co., Ltd
Jiangsu Oilway machinery Co.,Ltd.
Jiangsu Sanyi Petroleum Equipment Co., Ltd.
Jiangsu Shenlida Machinery Manufacture Co., Ltd.
Jiangsu Shuguang Huayang Drilling Tool Co., Ltd.
Jiangsu Subo Petrochemical Machinery Co., Ltd.

Company index

Alphabetical listing / 957 companies

J continued

Jiangsu Xinchangjiang Seamless Steel Tube Manufacturing Co., Ltd
JIANGSU YIDELONG PETROLEUM MACHINERY CO.,LTD
JIANGYIN LONGRUN FLANGE CO., LTD.
Jiangyin Tianning Metal Pipe Fitting Co., Ltd. (TNF)
JINDAL SAW LTD.
JINDAL STAINLESS LIMITED
Jiujiang Lanzo New Material Technology Co., Ltd
JOHNSON SCREENS SAS
JOHN ZINK INTERNATIONAL LUXEMBOURG SARL
JORD International
Jurassic Software

K

KADATEC s.r.o.
Kaeser Kompressoren Fze
Kairos Technology AS
Kaisitong Valve Co., Ltd
Kalhour Oilfield Equipments Limited
KAMAT GmbH & Co. KG
Kanoo Energy
KAPPA MIDDLE EAST ASIA W.L.L
Katch Kan Limited
KBSG Quality Certification Services LLC
K C IMPEX
KDP MACHINERY Langxi Co,.Ltd
KDU World Wide Middle East Marine Services LLC
KEHUA DATA CO., LTD
KEI INDSUTRIES LILIMITED
Kent International Arabia Limited
Kerui Petroleum Technology
KeyDrill Technology LLC
Khalid Faraj Shipping L.L.C S.P.C
Khalifa University
Kinetic Energy Factory Company
KINGPETRO LLC
Kirloskar Brothers Limited

K continued

Kirloskar Pneumatic Company Limited
KISAAN DIE TECH PVT LTD
KITZ Corporation
Klaus Union
Klinger Middle East
Klopper-Therm
KLT Carbide Co., Ltd
Klug Avalon Mechatronics Pvt. Ltd.
Kobelco Machinery Middle East FZE
K Project Logistics Middle East LLC

L

Leaders Oilfield Equipment LLC
LESER GmbH & Co. KG
LiquidPower Specialty Products Inc.
LMP Project Group CA
LONGDA STEEL GROUP CO.,LTD.
Louis Safety And Fire Fighting Equipments

M

Marcura
MARGEN SPA
MARJAN Industrial Development LLC
Martek Marine
MARUBENI ITOCHU TUBULARS MIDDLE EAST PIPES
MASCO EXPLOSION-PROOF APPLIANCES (SHANGHAI) CO., LTD.
MASCOT Valves LLC
MASK SEALS PVT. LTD.
MASTERWATT SRL
MATEC GROUP S.R.L.
MATRADE CONSULATE GENERAL OF MALAYSIA
MAX GENERATION ENERGY - SOLE PROPRIETORSHIP L.L.C.
Maximator
Maximator GmbH- AbuDhabi
Maxim Tubes Company Private Limited

Company index

Alphabetical listing / 957 companies

M continued

Maxnovo SRL
Mayekawa Middle East Fzco
Maze Environmental LLC
Mazrui Energy
Mazrui & Hawi Painting Company WLL
MBK Marine Industries Sole Proprietorship LLC
McCoy Global
McFarland TriTan LLC
MCT BRATTBERG MIDDLE EAST MECHANICAL & ENGINEERING EQUIPMENT TRADING L.L.C
Medenus Gas- Druckregeltechnik GmbH
MedservRegis - METS
MEGA ENDUSTRI KONTROL SISTEMLERI LTD.STI.
Megaflexon Co., Ltd.
MEGA GLOBAL ENERGY
Mega Pipes Private Limited
Megarme
MEISCO Energy & Industrial Services Company LLC
Mena3D
MERAKI GLOBAL ENERGY
Merichem Technologies
MER Marine Technologies
Metalinvest Remko Ltd
Metall-Treat Industries Pte Ltd
Metal Samples
Metalyte Pipeworks
METROLOG
METROMAC MARINE AUTOMATION FZE
MEYER
MHT ROPESPAN (P) LIMITED
Micoda Process System International
Microfinish Valves Pvt. Ltd.
Microsoft
Microtex Energy Private Limited
Midad Chemicals Company Ltd
Middle East Specialized Cables (MESC) LLC
MIE EVENTS FZCO

M continued

Minal Specialites Pvt. Ltd.
Minar Holdings
MinFarm Tech Ltd.
Mingshuo Environment Technology Group Co.,Ltd
Ministry Of Energy And Infrastructure
Ministry of Industry and Advanced Technology
Ministry of Petroleum & Mineral Resources
MIRETTI SRL
MIROLLI S.R.L.
MITHSON SEALING SOLUTIONS PVT LTD
Mitsubishi Heavy Industries Limited
Mitsui & Co., Ltd.
Mixel
Mokshi Industries Private limited
Molecular Corrosion Technologies
MONILEK Oilfield (Petrotech)
Moon Environment Technology Co., Ltd.
Moteurs Baudouin
Motive FZE
Mov Limited
MP FILTRI SPA
MRT (Samss Refacer)
MSA SAFETY
MSA The Safety Company
MT POWER LIMITED
Mt valves and Industries international LLC
Mubadala Energy L.L.C

N

Nesma & Partners Contracting Company UJSC
NEUMAN & ESSER
Next Engineering Equipments Trading
NIGREMA SRL
Nine Energy Service
Ningbo Dongheng Sealing Co.,LTD
Niton Valve Industries Private Limited / Valvinox SRL (I)

Company index

Alphabetical listing / 957 companies

N continued

NMDC GROUP
NMDC LTS
NNPC Ltd
Noatum Maritime - AD Ports Group
Noclamp
NorLense AS
Norsk Analyse
Northtelecom LLC
NOVA CHEMICAL TECHNOLOGY - A NUOER COMPANY
Novargi
Novatech Industrial Equipment Trading L.L.C
Nuberg Industries Limited
Numero Uno Training And Consulting LLC
Numou
NXL Technologies Inc

O

OCA Global Investments SL
Occidental of Abu Dhabi Ltd - Abu Dhabi
OceanAlpha Group Ltd.
OCEAN'S KING TECH LIMITED
OCMI OTG SPA
Octave
ODS Metering Systems
OFFICINE SANTAFEDE S.R.L.
Offshore Marine Trading LLC
OFI Testing Equipment, Inc.
Oglaend System
OGN Energy Media
OGS / OGSI
OIL AND GAS INTERNATIONAL FZC
Oil Chemistry Industrial Company
Oilfields Supply Center Ltd
Oil Review Middle East
OILSERV Oilfield Services (BVI) Ltd - REP Office
Oil States

O continued

OIL THE WOODLANDS GROUP LLC
OK KWANG ENGINEERING CO. LTD
Oliasoft
OMAL SPA S.B.
OMB GULF VALVES MANUFACTURING - L.L.C
OME Electric Motors
OME METALLURGICA ERBESE SRL
Omniguard by Firefly
O.M.S. Saleri Spa
OneGarnet Group
OPENFIELD TECHNOLOGY
Optimistic
OPU Auditing & Consulting LLC
Orax Roots Pumps and Motors LLC
ORION
ORPHIE - i2S
OSCG Co.,Ltd.
OVERPIPE
O.V.S. - OFFICINE VALLE SERIANA S.P.A.

P

Pacific Middle East Products Trading LLC
PANARO
Panduit Singapore Pte Ltd
PANTECH GROUP
Pantera Downhole Tools
PARADE
Parametric
PARIFEX
Parker Hannifin
PARS WELL SERVICES / ANADOLU ASLANI
Pascal Industries Pte Ltd
PATELS AIRFLOW LIMITED
Patterson-UTI
PCE Instruments
Pelican

Company index

Alphabetical listing / 957 companies

P continued

Pemamek
Penspen
Penta Global
Pepperl+Fuchs
PERONI POMPE SPA
PES ENGINEERING S.R.L.
Petrochem Performance Chemicals
Petrocon | Ekium
Petrofac
Petroleum Technology Association of Nigeria (PETAN)
PETROLIAM NASIONAL BERHAD (PETRONAS)
PETROLVALVES SPA
PETROMAR ENERGY SERVICES L.L.C - O.P.C
PETRO MIDDLE EAST L.L.C - SPC
Petrona Gulf Piping LLC
PETROSEAL
Petro Services Marine LLC - All Energies Services
PETROSTAR S.P.A.
Petrostrat
Petrovietnam Technical Services Corporation
PETROZHR
Pfisterer
Pharos Marine Automatic Power Limited
Phoenix Alloy Co., Ltd.
PHOENIX MECANO MIDDLE EAST FZE
Phoenix New Media Middle East
PIBAS
PIEMONTE AGENCY - CEIPIEMONTE
PIETRO FIORENTINI SPA
Pioneer Marine Equip Maint LLC
PIP360 Inc
PIPETECH INTERNATIONAL L.L.C
pi safety components
PJ Pipe & Valves Co.Limited
PlantAsset Technology Inc.
PLEUGER Industries
PLURIMO PULTRUSION AND COMPOSITE PVT. LTD.

P continued

PLUTO ASIA PACIFIC SDN BHD
PNEUMAX SPA
PnnPlus GmbH
Polar Refrigeration
Polycon Gulf Limited Llc
Polysoude
PONHAN
Porto Marine Services L.L.C
Portwest UC
PPG INDUSTRIES (UAE) LLC
PRANJAL POLYMERS INDIA PRIVATE LIMITED
PRECISION ENGINEERING INDUSTRIES
PRECITURN ENGINEERING PVT. LTD.
Pressbolt Middle East
Prime Global General Trading LLC
Prime Junda Pipe Trading LLC
Primus Line
PRINCIPAL GAS SDN BHD
Probus Maschinenbau GmbH
Process Ecology
Process Instruments, LLC
PRO CHEMICAL SOLUTIONS DOO
PROCONTROL SRL
PROFEN GENERAL TRADING LLC
Progetti Europa & Global
PROGTECH Services
PromArgentina
Prometheus Group
Prometheus Group Enterprises, LLC
Propak Systems Ltd
PROSAVE Co., Ltd.
PROSENSE GAS AND FLAME DETECTION
ProSep Norway AS
Proserv Al Badie LLC
PROTEA
Protectoseal
PROTEGO

Company index

Alphabetical listing / 957 companies

P continued

PRYSMIAN
PT Petra Konsulindo Utama
PTT Exploration and Production Public Company Limited
Pulse Directional Technologies Inc
PumpWorks 610, LLC
PUREPATH PETROCHEMICAL ENGINEERING & SERVICES - FZCO
PVTplus Tech

Q

Qapqa
Q-Aviation B.V.
Qingdao Changlong Heavy Equipment Co., Ltd.
Qlight Co., Ltd.
QUAM SRL
QuantumPro, Inc.
Quartzelec
Quorum Business Solutions Inc

R

RAAH EQUIPMENT AND MACHINES TRADING - L.L.C
RAAH Group Pte Ltd
Radio Holland
RAD Torque Systems
Rajan Techno Cast PVT. LTD
RAMCRO SPA
Rampart Products
RANDACK FASTENERS INDIA PVT LTD
Ratnamani Metals & Tubes Limited
Raymond International Company
Raytec | Atexor
REART srl
Rebo B.V.
Recon Intelligence Corporation
REDA Chemicals
Redbridge Valves Private Limited

R continued

RED WING
Reid Lifting UK
RELYON
REMI EDELSTAHL TUBULARS LIMITED
RENK Group
REPCO SRL
Resato High Pressure Technology
Resinex
Response Plus Medical Services
REVALVE
Revata Engineering Pvt. Ltd.
Rheonik
Rhino Engineering Group
RiConnect, Inc.
RIDART SRL
RIGAS Co., Ltd.
RigER Inc.
Right Choice General Trading LLC
Rigtrans Intermodal Limited
Rihal
RIKEN KEIKI MIDDLE EAST
RINGSPANN
RITTAL FZE
Rivertrace Limited
ROCKFIN
ROCK FLOW DYNAMICS SOFTWARE TRADING L.L.C.
Rock Middle East(Sichuan)Co. Ltd.
Rock Oil Tools
ROCKWELL AUTOMATION L.L.C.
ROCKWIN FLOWMETER INDIA PVT. LTD
ROGII Inc
ROHDE NIELSEN A/S
Roll Group
Rolls-Royce Solutions GmbH
ROLON SEALS MIDDLE EAST LLC
ROMBO AI S.R.L.

Company index

Alphabetical listing / 957 companies

R continued

Rongsheng Machinery Manufacture Ltd. of Huabei Oilfield, Hebei
Rosenxt Group
Rosenxt - IDS GmbH
Rowwad Al Qimmah Company (RQC) – Oil, Gas & Energy Services
Royal Industries LLC
Royal Tech Oil and Gas Fields Services LLC
RSK Group
RSP Suction Excavator by Heidmann Middle East
Rubberatkins Limited
Rugged Monitoring Quebec Inc
Ruichang International Holdings Limited
Ruifeng Petroleum
RusPetro PLC
RUSTX USA PVT LTD
Rutter Inc
Rystad Energy AS

S

SAA Technical & Specialized Services
SABTEX CORP.
SAER ELETTROPOMPE
Safelift Offshore
SA Fire Protection SRL
Saga-PCE Ptd Ltd
SAGA Wisdom
Sahara Air Products
SAIERNICO MARINE PTE LTD
Sainest Tubes Pvt. Ltd.
SAIPEM SPA
SAIP SRL
Sammi Machinery Co.,Ltd.
SAMSON Controls FZE
SAMSUNG E&A CO., LTD.
SAMYANG METAL IND. CO., LTD.
Sap & Kaps Petroleum Services - LLC

S continued

SAS Power Industries FZE
Sauer Compressors
SCAME PARRE S.P.A.
Schlumberger Tech Corp
Schmierer GmbH
Schneider Electric
Schroeder Valves
Schwarze-Robitec GmbH & Co. KG
Scout
S-CUBE MASS TRANSFER PVT LTD
SD NEXPHERE Co., Ltd.
SEA DELTA MARINE AND OFFSHORE ENGINEERING
SeaGo Maritime
Sealien Robotics
Seatrium Offshore Technology Middle East FZE
SEEKING LED-LIGHTING LIMITED
Selection of Safety FZ-LLC
Selten Co.
SENBEN LIGHTING CO.,LTD.
SENKO CO.,LTD.
SENSIA Solutions SL
Sensoteq
SENTECH ENG Co., Ltd.
Serck Services Gulf Ltd. Co.
Serh Group for Technical Services LLC
SERIMAX
SERVOVALVE SPA
SEW-EURODRIVE
SFEROVA S.R.L.
ShaanGu
Shaanxi Aerospace Delin Technology Group Co., Ltd.
Shaanxi Petroleum Industrial Cluster, China
Shaksy International Fzco
SHANDONG CRONX HEAT TRANSFER TECHNOLOGY CO.,LTD
SHANDONG FUZHIDAXING MOTOR CO LTD.
SHANDONG HAIWANG CHEMICAL CO.,LTD

Company index

Alphabetical listing / 957 companies

S continued

Shandong Huaning Electric Heating Technology Co., Ltd.
Shandong Kerui Petroleum & Gas Equipment Co., Ltd
Shandong Molong Petroleum Machinery Co., Ltd.
SHANDONG SHOUGUANG KUNLONG PETROLEUM MACHINERY CO.,LTD.
SHANDONG WANDA CABLE CO.,LTD
Shandong Weima Equipment Science&Technology Corporation Limited
SHANGHAI ANZHILAN FIREFIGHTING TECHNOLOGY CO LTD.
Shanghai Electric
SHANGHAI ERAUM ALLOY MATERIALS CO.,LTD
Shanghai Eternal Faith Industry CO.,LTD
Shanghai EVP Vacuum Technology Co., Ltd.
Shanghai Gforce Environment Technology Co., Ltd.
SHANGHAI HAITAI STEEL TUBE (GROUP) CO., LTD. HAITAI FZCO
SHANGHAI HEAT TRANSFER EQUIPMENT CO.,LTD
Shanghai Jian & Mei Industry and Trade Co.,Ltd
Shanghai Kaike Valve Manufacturing Co., Ltd.
SHANGHAI MECCO VALVE CO., LTD
Shanghai Nagamori Machinery Co.,Ltd.
Shanghai Nancal Electric Co., Ltd.
Shanghai RENLE Science&Technology Co., Ltd.
Shanghai Shenkai Petroleum & Chemical Equipment Co., Ltd
SHANXI ST&H FORGING CO., LTD
Shanxi Zhongli Flange Co., Ltd Shanxi Jufeng Zhouyan Equipment Co., Ltd
Shape Digital
Sharjah National Oil Corporation (SNOC)
Shell
SHENGU Group
SHENYANG TAIGE OIL EQUIPMENT CO. LTD
SHENYANG UNIWEL MACHINERY CO.,LTD
Shenzhen Topmost Lighting Technology Co.,Ltd
Shepherd Safety Systems
Shine Exports

S continued

Ship-Around
Shipworkz marine Services LLC
Shree Steel Overseas Fzco
Shuangyao (Tianjin) Fluid Power Equipment Co., Ltd.
SIAD MACCHINE IMPIANTI
Sichem
Sichuan Air Separation Plant (Group) Co., Ltd (SASPG)
Sichuan DeepFast Oil Drilling Tools Co.,Ltd.
Sichuan Energy Chemical Co., Ltd.
Sichuan Guangya Polymer Chemical Company Limited
Sichuan Silver Valley EnerTech Co.,Ltd
SiChuan SUC Flow Control Equipment Co.,Ltd.
Sichuan Wewodon Petroleum Technology Co., Ltd.
SIDERFORGEROSSI GROUP SPA
SIEMENS
Siemens Energy L.L.C.
Sigma Engineering Works
Sigma Enterprises
Sigma Enterprises Company LLC
Sigma Specialized Inspection
SIKA Dr. Siebert & Kuhn
SIL Cargo Services LLC
Silverwell Energy
Sindex Refrigeration Pte Ltd
Sinergia Spa
SINOPEC GROUP MIDDLE EAST OFFICE
SINOSTEEL STAINLESS STEEL PIPE TECHNOLOGY (SHANXI) CO., LTD.
SINO TECHNOLOGY CO., LTD
Sirius Instrumentation and Controls Inc
SISTEMI INDUSTRIALI S.P.A.
SITINDUSTRIE VALVOMETAL ITALY SRL
S.J. ABED GENERAL ENTERPRISES LTD., ABU DHABI
SKF MAGNETIC MECHATRONICS
Skion Water
SKM Air Conditioning LLC
SkoFlo Industries, Inc.

Company index

Alphabetical listing / 957 companies

S continued

Sky News Arabia
SME COUPLINGS & VALVES
Smit Lamnalco
S.N.F. SA
Society of Petroleum Engineers
Soiltech ASA
SOLAR INJECTION AUSTRALIA
Solar Turbines
Solas Marine Services Co LLC
SOLENIS
SOLEXY S.R.L.
SoluForce B.V.
SOLUS EMIRATES LLC
Sona BLW Precision Forgings Limited
Sonardyne
SORB®XT - Allegro Capital, Logistics, Services & More GmbH
Southwest Institute of Chemical Co., Ltd.
Southwest Oilfield Products FZCO
Sparkle Clean Tech Pvt. Ltd.
Spartek Systems
Special Equipment Supplies & Mechanical Contracting LLC
Sulnox Group Plc
Sumitomo Corporation Middle East FZE
Sun International
SUPCON INTERNATIONAL BUSINESS PTE. LTD
Synectics

T

TÉCHNE SRL
Technomak
TECNOMATIC FLOW ELEMENTS SRL
TECNO MECCANICA EMILIANA – T.M.E.
Tecnovideo S.r.l.
Teddington Engineered Solutions
Teijin Aramid
TELEMA S.P.A.

T continued

TEMPSENS INSTRUMENTS (INDIA) LTD
The Modern Group - Tiger Rentals & Dragon Products
Topsoe A/S
Transvictory Winch System Pte Ltd
TRE Energies
TREYSAN PREFABRICATED STEEL BUILDINGS INDUSTRY & TRADE INC.
TRILLIUM FLOW TECHNOLOGIES
TRIOL
Triplefast Middle East Limited (rep Office)
Tritek Power & Automation FZC
TRIVENI POWER TRANSMISSION LIMITED
TRIVENI TURBINE LIMITED
TROUVAY & CAUVIN GROUP
TTS Corporation
Turbomot Marine Engineering LLC SP
TÜV Rheinland Middle East L.L.C

U

UAE National Identity
UMT Services
Unibrom Corp.
Unique Group
United Cooling Systems Private Limited
United Energy Upstream DMCC
United Metal Works
UNITED SYNERGY COMPANIES REPRESENTATION
Unitree
Universal Technical LLC
Universal Trading Company LLC
Upstream Solutions
Utex Industries, Inc.

V

VALBIA SRL
Valin Steel

Company index

Alphabetical listing / 957 companies

V continued

ValMark DWC LLC
VALPRES SRL
Valvitalia S.p.A.
VANZETTI ENGINEERING SPA
VEGA Instruments Middle East
Velo Tech Systems Ltd
Victaulic
Vipo AS
Vlentec Middle East Lifting Equipment LLC
VLV SRL
V-MARC INDIA LIMITED
voestalpine Tubulars
Voith
Volant Products Inc
Voyis
VPS ITALY S.R.L.
VSP International Expo
VTE-FILTER S.L.
Vulcan Completion Products UK Ltd

W

Wales Cymru
Walter Frank
WALTHER PRÄZISION
WAROM TECHNOLOGY MENA FZCO
Wasco Engineering Group Limited
Watchgas Detection
Weatherford
WEH FluidTech GmbH
WEICON GmbH
Weidmüller
Wellpro FZE
WELLSLOT
Wells & Waves
Welltec
Welspun Corp Ltd.

W continued

WESCO LLC
WESTERN ADSORBENTS & CATALYSTS
WFN CO., LTD
Wika Middle East Fze
Wikov TurboGear s.r.o
Wild Well Control
William Gordon GmbH
William Hackett
Witzenmann GmbH
Wolf Safety
Woodward
WOOSUNG FLOWTEC
Workstrings
WORLD IMAGE SRL
WORLEY
Wozair
WREN TOOLS LIMITED

X

X Cooling
Xi'an Kosun Machinery Co. Ltd.
Xinjiang Grand Oilfield Technology Inc.
XINKE PROTECTIVE BV
Xinmi Wanli Industry Development Co., Ltd.

Y

Yuanyang Stainless Steel

Z

ZCM (Suzhou) Heavy Equipment Co., Ltd.
Zeppelin Systems GmbH
Zhejiang Dewei Stainless Steel Piping Co., Ltd
ZHEJIANG FOUR BROTHERS ROPE CO., LTD
Zhejiang JIULI Hi-tech Metals Co., Ltd.
Zhongman Petroleum and Natural Gas Group Corp., LTD.

Company index

Alphabetical listing / 957 companies

Z continued

Zoppas Industries
ZUL ENERGY MIDDLE EAST FZ LLC
ZYfire Industrial Company