© TESHI GROUP · CONTROLLED COPY — NOT FOR REPRODUCTION · ✉ info@teshigroup.com · ✉ sales@teshigroup.com · WhatsApp +91 78900 09110 · www.teshigroup.com

DIMENSIONAL STANDARD · IS 6392

IS 6392 Plate Flange & Blind Flange Dimensions

IS 6392 plate flange and blind flange dimensions, PN 2.5 to PN 160: outside diameter, bore and thickness in mm, all tables.

This chart gives **IS 6392** plate flange (plate flange for welding) and blind flange dimensions in millimetres for every pressure rating from PN 2.5 to PN 160 — outside diameter, bore and plate and blind thickness. IS 6392 is the Indian Standard for steel pipe flanges, used on water, power, steel-plant and process projects across India.

Plate flanges are Teshi Group's core product: cut, machined and drilled in our own works in India from DN 10 up to 8000 NB (8 metres), in carbon, boiler-quality, stainless, duplex and nickel-alloy plate, with EN 10204 3.1 certificates.

- **D** Outside diameter of flange
- **B** Bore (inside diameter) of plate flange
- **C** Flange thickness — plate or blind, raised face (RF) or flat face (FF)

IS 6392 PN 2.5 (Table 3) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
1200	1375	1222	36	36
1400	1575	1422	42	42
1600	1790	1622	46	46
1800	1990	1822	52	52
2000	2190	2022	58	58

IS 6392 PN 6 (Table 5) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	75	19.2	12	12
15	80	23.3	12	12
20	90	28.9	14	14
25	100	35.7	14	14
32	120	44.4	16	16
40	130	50.3	16	16
50	140	62.3	16	16
65	160	78.1	16	16
80	190	90.9	18	18
100	210	116.3	18	18
125	240	141.7	20	20
150	265	170.3	20	20
200	320	221.1	22	22
250	375	275	24	24

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
300	440	325.9	24	24
350	490	357.6	26	26
400	540	408.4	28	28
500	645	510	30	30
600	755	611.6	32	32
700	860	713.2	34	34
800	975	814.8	38	38
900	1075	916.4	42	42
1000	1175	1018	46	46
1200	1405	1222	56	56
1400	1630	1422	66	66
1600	1830	1622	74	74
1800	2045	1822	84	84
2000	2265	2022	92	92

IS 6392 PN 10 (Table 11) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	90	19.2	14	14
15	95	23.3	14	14
20	105	28.9	16	16
25	115	35.7	16	16
32	140	44.4	16	16
40	150	50.3	16	16
50	165	62.3	18	18
65	185	78.1	18	18
80	200	90.9	20	20
100	220	116.3	20	20
125	250	141.7	22	22
150	285	170.3	22	22
175	315	195.7	24	24
200	340	221.1	24	24
250	395	275	26	26
300	445	325.9	26	26
350	505	357.6	28	28
400	565	408.4	32	32

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
500	670	510	38	38
600	780	611.6	42	42
700	895	713.2	46	46
800	1015	814.8	52	52
900	1115	916.4	56	56
1000	1230	1018	62	62
1200	1455	1222	74	74

IS 6392 PN 16 (Table 17) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	90	19.2	14	14
15	95	23.3	14	14
20	105	28.9	16	16
25	115	35.7	16	16
32	140	44.4	16	16
40	150	50.3	16	16
50	165	62.3	18	18
65	185	78.1	18	18
80	200	90.9	20	20
100	220	116.3	20	20
125	250	141.7	22	22
150	285	170.3	22	22
175	315	195.7	24	24
200	340	221.1	24	24
250	405	275	26	26
300	460	325.9	28	28
350	520	357.6	32	32
400	580	408.4	36	36
500	715	510	44	44
600	840	611.6	52	52
700	910	713.2	58	58
800	1025	814.8	64	64
900	1125	916.4	72	72
1000	1255	1018	78	78
1200	1485	1222	94	94

IS 6392 PN 25 (Table 23) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	90	19.2	16	16
15	95	23.3	16	16
20	105	28.9	18	18
25	115	35.7	18	18
32	140	44.4	18	18
40	150	50.3	20	20
50	165	62.3	20	20
65	185	78.1	22	22
80	200	90.9	24	24
100	235	116.3	26	26
125	270	141.7	28	28
150	300	170.3	30	30
175	330	195.7	26	26
200	360	221.1	28	28
250	425	275	32	32
300	485	325.9	38	38
350	555	357.6	42	42
400	620	408.4	46	46
500	730	510	58	58
600	845	611.6	66	66

IS 6392 PN 40 (Table 28) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	90	19.2	16	16
15	95	23.3	16	16
20	105	28.9	18	18
25	115	35.7	18	18
32	140	44.4	18	18
40	150	50.3	20	20
50	165	62.3	20	20
65	185	78.1	22	22
80	200	90.9	24	24
100	235	116.3	26	26
125	270	141.7	28	28

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
150	300	170.3	30	30
175	350	195.7	32	32
200	375	221.1	34	34
250	450	275	42	42
300	515	325.9	50	50
350	580	357.6	56	56
400	660	408.4	64	64
500	755	510	72	72

IS 6392 PN 64 (Table 34) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	100	19.2	20	20
15	105	23.3	20	20
20	130	28.9	22	22
25	140	35.7	24	24
32	155	44.4	24	24
40	170	50.3	26	26
50	180	62.3	26	26
65	205	78.1	26	26
80	215	90.9	30	30
100	250	116.3	32	32
125	295	141.7	34	34
150	345	170.3	36	36
175	375	195.7	40	40
200	415	221.1	46	46
250	470	275	54	54
300	530	325.9	62	62
350	600	357.6	72	72
400	670	408.4	78	78

IS 6392 PN 100 (Table 38) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	100	19.2	20	20
15	105	23.3	20	20

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
20	130	28.9	22	22
25	140	35.7	24	24
32	155	44.4	24	24
40	170	50.3	26	26
50	195	62.3	28	28
65	220	78.1	30	30
80	230	90.9	34	34
100	265	116.3	36	36
125	315	141.7	42	42
150	355	170.3	48	48
175	385	195.7	54	54
200	430	221.1	60	60
250	505	275	72	72
300	585	325.9	84	84
350	655	357.6	95	95
400	715	408.4	106	106
500	870	510	128	128

IS 6392 PN 160 (Table 42) — plate and blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	100	19.2	22	22
15	105	23.3	24	24
20	130	28.9	26	26
25	140	35.7	26	26
32	155	44.4	28	28
40	170	50.3	30	30
50	195	62.3	34	34
65	220	78.1	36	36
80	230	90.9	40	40
100	265	116.3	44	44
125	315	141.7	54	54
150	355	170.3	62	62
175	390	195.7	68	68
200	430	221.1	76	76
250	515	275	90	90

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
300	585	325.9	106	106

Notes

- All dimensions are in millimetres; sizes are nominal bore (NB / DN).
- Plate flange thickness is given for raised-face (RF) and flat-face (FF) flanges; where only RF is shown, the FF thickness is the same.
- Reference values for estimation and checking. Verify against the current edition of the standard and the purchase specification before design, purchase or fabrication.

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions. Online version: https://teshigroup.com/dimensional-standards/is-6392-plate-flange-dimensions/