

DIMENSIONAL STANDARD · IS 6392

IS 6392 PN 100 Flange Dimensions

IS 6392 PN 100 plate (slip-on), weld neck and blind flange dimensions in mm: OD, thickness, raised face, PCD and bolting.

This chart gives **IS 6392 PN 100** steel pipe flange dimensions in millimetres — outside diameter, thickness, raised face, bolt circle (PCD) and bolting for plate flanges for welding (slip-on), weld neck and blind flanges. IS 6392 is the Indian Standard for steel pipe flanges and is widely specified on Indian boiler, water, refinery and power projects.

Teshi Group manufactures IS 6392 flanges in India alongside its ASME B16.5 and EN 1092-1 range.

- D** Outside diameter of flange
A Pipe outside diameter (hub diameter at the weld end)
C Flange thickness, excluding raised face unless stated
d1 Raised face diameter
f Raised face height
N Neck / hub diameter at base
H Length through hub / neck length
K Bolt circle (pitch circle) diameter
n Number of bolts
L Bolt hole diameter
Bolt Bolt size (metric M or inch diameter)

PN 100 (Table 38) — plate flanges for welding (slip-on plate)

Size	A Pipe OD	D Flange OD	C Flange	d1 Raised face	f RF height	K Bolt circle	n Bolts	L Hole dia	Bolt Size
10	17.2	100	20	40	2	70	4	14	M12
15	21.3	105	20	45	2	75	4	14	M12
20	26.9	130	22	58	2	90	4	18	M16
25	33.7	140	24	68	2	100	4	18	M16
32	42.4	155	24	78	2	110	4	22	M20
40	48.3	170	26	88	3	125	4	22	M20
50	60.3	195	28	102	3	145	4	26	M24
65	76.1	220	30	122	3	170	8	26	M24
80	88.9	230	34	138	3	180	8	26	M24
100	114.3	265	36	162	3	210	8	30	M27
125	139.7	315	42	188	3	250	8	33	M30
150	168.3	355	48	218	3	290	12	33	M30
175	193.7	385	—	260	3	320	12	33	M30
200	219.1	430	60	285	3	360	12	36	M33
250	273	505	72	345	3	430	12	39	M36
300	323.9	585	84	410	4	500	16	42	M39

Size	A Pipe OD	D Flange OD	C Flange	d1 Raised face	f RF height	K Bolt circle	n Bolts	L Hole dia	Bolt Size
350	355.6	655	95	465	4	560	16	48	M45
400	406.4	715	106	535	4	620	16	48	M45
500	508	870	128	615	4	760	20	56	M52

PN 100 (Table 37) — weld-neck flanges

Size	A Pipe OD	D Flange OD	C Weld neck	H WN length	N Hub / neck dia	d1 Raised face	f RF height	K Bolt circle	n Bolts	L Hole dia	Bolt Size
10	17.2	100	20	45	32	40	2	70	4	14	M12
15	21.3	105	20	45	34	45	2	75	4	14	M12
20	26.9	130	22	58	42	58	2	90	4	18	M16
25	33.7	140	24	58	52	68	2	100	4	18	M16
32	42.4	155	24	60	62	78	2	110	4	22	M20
40	48.3	170	26	62	70	88	3	125	4	22	M20
50	60.3	195	28	68	90	102	3	145	4	26	M24
65	76.1	220	30	76	108	122	3	170	8	26	M24
80	88.9	230	32	78	120	138	3	180	8	26	M24
100	114.3	265	36	90	150	162	3	210	8	30	M27
125	139.7	315	40	105	180	188	3	250	8	33	M30
150	168.3	355	—	115	210	218	3	290	12	33	M30
175	193.7	385	48	127	245	260	3	320	12	33	M30
200	219.1	430	52	130	278	285	3	360	12	36	M33
250	273	505	60	157	—	345	3	430	12	39	M36
300	323.9	585	68	170	400	410	4	500	16	42	M39
350	355.6	655	74	189	460	465	4	560	16	48	M45

Notes

- All dimensions are in millimetres.
- The PN 100 tables also apply to DN 10–40 at PN 64. IS 6392 has no blind-flange table at PN 100.
- IS 6392 drilling follows the ISO/DIN metric series, so IS 6392 flanges generally mate with EN 1092-1 / DIN flanges of the same PN — check the raised face and thickness for your flange type.
- Values are nominal, compiled from published copies of the standard; blank cells (—) are values not confirmed from the sources available. Verify against the current edition 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-pn100-flange-dimensions/>