

DIMENSIONAL STANDARD · IS 6392

IS 6392 PN 40 Flange Dimensions

IS 6392 PN 40 plate (slip-on), weld neck and blind flange dimensions in mm: OD, thickness, raised face, PCD and bolting.

This chart gives **IS 6392 PN 40** 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 40 (Table 28) — 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	90	16	40	2	60	4	14	M12
15	21.3	95	16	45	2	65	4	14	M12
20	26.9	105	18	58	2	75	4	14	M12
25	33.7	115	18	68	2	85	4	14	M12
32	42.4	140	18	78	2	100	4	18	M16
40	48.3	150	20	88	3	110	4	18	M16
50	60.3	165	20	102	3	125	4	18	M16
65	76.1	185	22	122	3	145	8	18	M16
80	88.9	200	24	138	3	160	8	18	M16
100	114.3	235	26	162	3	190	8	22	M20
125	139.7	270	28	188	3	220	8	26	M24
150	168.3	300	30	218	3	250	8	26	M24
175	193.7	350	32	260	3	295	12	30	M27
200	219.1	375	34	285	3	320	12	30	M27
250	273	450	42	345	3	385	12	33	M30
300	323.9	515	50	410	4	450	16	33	M30

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	580	56	465	4	510	16	36	M33
400	406.4	660	64	535	4	585	16	39	M36
500	508	755	72	615	4	670	20	42	M39

PN 40 (Table 27 weld-neck + Table 31 blind) — thickness, neck and drilling

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	C Blind
10	17.2	90	16	35	28	40	2	60	4	14	M12	16
15	21.3	95	16	38	32	45	2	65	4	14	M12	16
20	26.9	105	18	40	40	58	2	75	4	14	M12	18
25	33.7	115	18	40	46	68	2	85	4	14	M12	18
32	42.4	140	18	42	56	78	2	100	4	18	M16	18
40	48.3	150	18	45	64	88	3	110	4	18	M16	18
50	60.3	165	20	48	75	102	3	125	4	18	M16	20
65	76.1	185	22	52	90	122	3	145	8	18	M16	22
80	88.9	200	24	58	105	138	3	160	8	18	M16	24
100	114.3	235	24	65	134	162	3	190	8	22	M20	24
125	139.7	270	26	68	162	188	3	220	8	26	M24	26
150	168.3	300	28	75	192	218	3	250	8	26	M24	28
175	193.7	350	—	82	—	260	3	295	12	30	M27	32
200	219.1	375	34	88	244	285	3	320	12	30	M27	—
250	273	450	38	105	—	345	3	385	12	33	M30	38
300	323.9	515	42	115	—	410	4	450	16	33	M30	42
350	355.6	580	46	125	408	465	4	510	16	36	M33	—
400	406.4	660	50	135	462	535	4	585	16	39	M36	50
500	508	755	52	140	562	615	4	670	20	42	M39	56

Notes

- All dimensions are in millimetres.
- The PN 40 tables also apply to DN 10–150 at PN 25.
- 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.

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