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DIMENSIONAL STANDARD · EN 1092-1

EN 1092-1 Plate Flange (Type 01) & Blind Flange (Type 05) Dimensions

EN 1092-1 Type 01 plate flange and Type 05 blind flange dimensions, PN 6, 10, 16 and 40: OD, bore and thickness in mm.

This chart gives **EN 1092-1** Type 01 plate flange (plate flange for welding) and Type 05 blind flange dimensions in millimetres for PN 6, PN 10, PN 16 and PN 40 — outside diameter, bore and thickness. Drilling (bolt circle, holes and bolts) is common to every EN 1092-1 flange type of the same DN and PN and is on the EN 1092-1 flange charts.

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)

EN 1092-1 PN 6 — Type 01 plate and Type 05 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	14	14
40	130	50.3	14	14
50	140	62.3	14	14
65	160	78.1	14	14
80	190	90.9	16	16
100	210	116.3	16	16
125	240	141.7	18	18
150	265	170.3	18	18
200	320	221.1	20	20
250	375	275	22	22
300	440	325.9	22	22

EN 1092-1 PN 10 — Type 01 plate and Type 05 blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	90	18	14	14
15	95	22	14	14
20	105	27.5	14	14
25	115	34.5	16	16

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
32	140	43.5	18	18
40	150	49.5	18	18
50	165	61.5	20	20
65	185	77.5	20	20
80	200	90.5	20	20
100	220	116	22	22
125	250	141.5	22	22
150	285	170.5	24	24
200	340	221.5	24	24
250	395	276.5	26	26
300	445	327.5	26	26

EN 1092-1 PN 16 — Type 01 plate and Type 05 blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	90	18	14	14
15	95	22	14	14
20	105	27.5	14	14
25	115	34.5	16	16
32	140	43.5	18	18
40	150	49.5	18	18
50	165	61.5	20	20
65	185	77.5	20	20
80	200	90.5	20	20
100	220	116	22	22
125	250	141.5	22	22
150	285	170.5	24	24
200	340	221.5	26	26
250	405	276.5	29	29
300	460	327.5	32	32
350	520	359	35	35
400	580	411	38	38
450	640	462	42	42
500	715	513.5	46	46
600	840	616.5	52	52

EN 1092-1 PN 40 — Type 01 plate and Type 05 blind flange (mm)

Size NB	D Flange OD · mm	B Bore · mm	C Plate, RF · mm	C Blind, RF · mm
10	90	18	14	14
15	95	22	14	14
20	105	27.5	16	16
25	115	34.5	16	16
32	140	43.5	18	18
40	150	49.5	18	18
50	165	61.5	20	20
65	185	77.5	22	22
80	200	90.5	24	24
100	235	116	26	26
125	270	141.5	28	28
150	300	170.5	30	30
200	375	221.5	36	36
250	450	276.5	42	42
300	515	327.5	48	48
350	580	359.5	54	54
400	660	411	60	60
450	685	462	66	66
500	755	513.5	72	72
600	890	616.5	84	84

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/en-1092-1-plate-flange-dimensions/