

DIMENSIONAL STANDARD · BS 10

BS 10 Table R Flange Dimensions

BS 10 Table R flange dimensions (steam, about 1000 psi): OD, thickness, PCD, holes and bolts, in inches and mm.

This chart gives **BS 10 Table R** flange dimensions — outside diameter, thickness, pitch circle diameter, number and size of bolt holes and bolts — in inches and millimetres. Table R is the BS 10 rating for steam, about 1000 psi.

Teshi Group manufactures steel flanges drilled to BS 10 tables for replacement and retrofit work alongside its ASME and EN range.

- D** Outside diameter of flange
C Flange thickness, excluding raised face unless stated
K Bolt circle (pitch circle) diameter
n Number of bolts
L Bolt hole diameter
Bolt Bolt size (metric M or inch diameter)

BS 10 Table R — flange dimensions

Size · in	Size · mm	D Flange OD · mm	C Flange · mm	K Bolt circle · mm	n Bolts	L Hole dia · mm	Bolt Size · in	Bolt Dia · mm
1/2	15	114	19.1	83	4	17	5/8	16
3/4	20	114	19.1	83	4	17	5/8	16
1	25	127	22.2	95	4	17	5/8	16
1 1/4	32	133	22.2	98	4	17	5/8	16
1 1/2	40	152	25.4	114	4	22	3/4	19
2	50	165	25.4	127	8	17	5/8	16
2 1/2	65	184	28.6	146	8	22	—	—
3	80	203	31.8	165	8	22	3/4	19
4	100	241	34.9	197	8	25	7/8	22
5	125	279.4	41.3	235	12	25.4	7/8	—
6	150	305	44.5	260	12	25	7/8	22
8	200	368	—	324	12	29	—	25
10	250	432	—	—	16	29	—	25
12	300	508	—	457	16	32	—	29
14	350	584	—	527	16	35	—	32
16	400	641	—	584	20	35	—	32
18	450	737	—	673	20	38	—	35
20	500	806	—	730	20	41	—	38

Notes

- Inch and millimetre values are given as published; BS 10 is an inch standard.

- BS 10 is withdrawn and superseded by BS EN 1092-1, but Table D, E, F and H drilling is still widely used on existing plant, marine and UK-pattern equipment.
- 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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