

Standard	Flange Type	Class Rating Table	Flange Dimensions				Bolt Data				Hole Size
			O/side Dia.	Raised Face Dia.	Thickness Iron Steel		Bolt Circle Dia.	No. of Bolts	Bolt Size Metric Inch		
• AS 2129:1994 (Table A to T)		A	280	211	21	13	235	4	M16	-	18
		C	280	211	22	13	235	8	M16	-	18
		D	280	211	21	13	235	8	M16	-	18
		E	280	207	22	17	235	8	M20	-	22
		F	305	232	25	22	260	12	M20	-	22
		H	305	210	35	29	260	12	M20	-	22
		J	305	210	-	38	260	12	M24	-	26
		K	305	210	-	41	260	12	M24	-	26
		R	305	210	-	44	260	12	M24	-	26
		S	325	210	-	51	273	12	M27	-	30
	T	375	229	-	73	318	12	M33	-	36	
• AS 4087:1993 (Class 14,16,21,35)		14/16	280	211	22	13	235	8	M16	-	18
		21/35	305	232	25	22	260	12	M20	-	22
• ASME/ANSI B 16.1:1989 (Class 125,250)		125	279.4	216	25.4	-	241.3	8	-	3/4	22.4
		250	317.5	246	36.6	-	269.7	12	-	3/4	22.4
• ASME/ANSI B 16.5:1988 (Class 150-2500)		150	279.4	215.9	-	25.4	241.3	8	-	3/4	22.4
		300	317.5	215.9	-	36.6	269.7	12	-	3/4	22.4
• BS 1560-Section 3.1:1989 (Class 150-2500)		600	355.6	215.9	-	47.8	292.1	12	-	1	28.4
		900	381	215.9	-	55.6	317.5	12	-	11/8	31.8
		1500	393.7	215.9	-	82.6	317.5	12	-	13/8	38.1
		2500	482.6	215.9	-	108	368.3	8	-	2	53.8
• ISO 7005-1:1992 (PN 20-420)		PN20	280	216	-	25.5	241.5	8	M20	-	22
		PN50	320	216	-	37	270	12	M20	-	22
		PN110	355	216	-	48	292	12	M27	-	29.5
		PN150	380	216	-	56	317.5	12	M30	-	32.5
		PN260	395	216	-	83	317.5	12	M36	-	39
		PN420	485	216	-	108	368.5	8	M52	-	55
• DIN 2501-Part 1 (PN 6-100)		PN6	265	202	20	20	225	8	M16	-	18
		PN10	285	212	26	22	240	8	M20	-	22
• ISO 7005-1:1992 (PN 6-40)		PN16	285	212	26	22	240	8	M20	-	22
		PN25	300	218	34	30	250	8	M24	-	26
• BS 4504-Section 3.2:1989 (PN6-40)		PN40	300	218	34	30	250	8	M24	-	26
		PN64	345	218	-	36	280	8	M30	-	33
		PN100	355	218	-	48	290	12	M30	-	33
		PN5	265	206	22	18	230	8	M16	-	19
• JIS B 2210:1984 (PN 5-63)		PN10	280	212	26	22	240	8	M20	-	23
		PN16	305	230	28	24	260	12	M22	-	25
		PN20	305	230	32	28	260	12	M22	-	25
		PN30	325	235	-	38	275	12	M24	-	27
		PN40	355	240	-	44	295	12	M30	-	33
		PN63	365	240	-	54	305	12	M30	-	33

**Notes:**

There may be rounding or conversion deviations, but these should not exceed  $\pm 1.5\text{mm}$ . If the deviation exceeds this tolerance it will be marked with a letter and an explanation given in the footnote.

The information in this publication should not be relied upon as a substitute for detailed advice or as a basis for making a decision. Whilst every care has been taken in the compilation of these tables, no guarantee is given, nor liability accepted for their accuracy.

For precise data, particularly on flange thickness, refer to relevant Standard.

This flange information does not necessarily apply to valves and other pipeline equipment which are often designed and manufactured to accommodate multiple flange standards. Consult relevant Manufacturer's data for information on its products.