

COMPARISON FOR PIPES TO BS 1387 & ASTM A106

NOMINAL SIZE	BS 1387 HEAVY O.D. x W.T.	KG/ Mtr.	BS 1387 MEDIUM O.D. x W.T.	KG/ Mtr.	ASTM A106 SCH40 O.D. x W.T.	KG/ Mtr.
15	21.3 x 3.25	1.45	21.3 x 2.65	1.22	21.3 x 2.77	1.27
20	26.9 x 3.25	1.90	26.9 x 2.65	1.58	26.7 x 2.87	1.69
25	33.7 x 4.05	2.97	33.7 x 3.25	2.44	33.4 x 3.38	2.50
32	42.4 x 4.05	3.84	42.4 x 3.25	3.14	42.2 x 3.56	3.39
40	48.3 x 4.05	4.43	48.3 x 3.25	3.61	48.3 x 3.68	4.05
50	60.3 x 4.50	6.17	60.3 x 3.65	5.10	60.3 x 3.91	5.44
65	76.1 x 4.50	7.90	76.1 x 3.65	6.51	73.0 x 5.16	8.63
80	88.9 x 4.85	10.10	88.9 x 4.05	8.67	88.9 x 5.49	11.29
100	114.3 x 5.40	14.40	114.3 x 4.50	12.10	114.3 x 6.02	16.07
125	139.7 x 5.40	17.80	139.7 x 4.85	16.20	141.3 x 6.55	21.77
150	165.1 x 5.40	21.20	165.1 x 4.85	19.20	168.3 x 7.11	28.26

COMPARISON FOR DIMENSIONS OF FLANGES TO BS 4504 & ANSI B16.5

INCH SIZE	BS 4504 PN10 O.D.	BS 4504 PN10 P.C.D.	BS 4504 PN16 O.D.	BS 4504 PN16 P.C.D.	BS 4504 PN25 O.D.	BS 4504 PN25 P.C.D.	ANSI 150LB O.D.	ANSI 150LB P.C.D.	ANSI 300LB O.D.	ANSI 300LB P.C.D.
1/2"	95 mm	65 mm	95 mm	65 mm	95 mm	65 mm	88.9 mm	60.3 mm	95.2 mm	66.7 mm
3/4"	105 mm	75 mm	105 mm	75 mm	105 mm	75 mm	98.4 mm	69.8 mm	117.5 mm	82.5 mm
1"	115 mm	85 mm	115 mm	85 mm	115 mm	85 mm	107.9 mm	79.4 mm	123.8 mm	88.9 mm
1-1/4"	140 mm	100 mm	140 mm	100 mm	140 mm	100 mm	117.5 mm	88.9 mm	133.3 mm	98.4 mm
1-1/2"	150 mm	110 mm	150 mm	110 mm	150 mm	110 mm	127.0 mm	98.4 mm	155.6 mm	114.3 mm
2"	165 mm	125 mm	165 mm	125 mm	165 mm	125 mm	152.4 mm	120.6 mm	165.1 mm	127.0 mm
2-1/2"	185 mm	145 mm	185 mm	145 mm	185 mm	145 mm	177.8 mm	139.7 mm	190.5 mm	149.2 mm
3"	200 mm	160 mm	200 mm	160 mm	200 mm	160 mm	190.5 mm	152.4 mm	209.5 mm	168.3 mm
4"	220 mm	180 mm	220 mm	180 mm	235 mm	190 mm	228.6 mm	190.5 mm	254.0 mm	200.0 mm
5"	250 mm	210 mm	250 mm	210 mm	270 mm	220 mm	254.0 mm	215.9 mm	279.4 mm	234.9 mm
6"	285 mm	240 mm	285 mm	240 mm	300 mm	250 mm	279.4 mm	241.3 mm	317.5 mm	269.9 mm
8"	340 mm	295 mm	340 mm	295 mm	360 mm	310 mm	342.9 mm	298.5 mm	381.0 mm	330.2 mm
10"	395 mm	350 mm	405 mm	355 mm	425 mm	370 mm	406.4 mm	361.9 mm	444.5 mm	387.3 mm
12"	445 mm	400 mm	460 mm	410 mm	485 mm	430 mm	482.6 mm	431.8 mm	520.7 mm	450.8 mm

COMPARISON FOR VARIOUS RELATED PIPING PRODUCTS

	PLATES	PIPES	FITTINGS	FORGING	CASTING
Carbon Steel	A36	API 5L Gr. B A106 Gr. B	A234 Gr. WPB	A105	A216 WCB
Carbon Steel Low Temp	A516 Gr. 60/70	A333 Gr. 6	A420 WPL 6	A350 LF 2	A352 LCB
Alloy Steel High Temp	A240 Gr. A/B A357 A387 Gr. C A387 Gr. D	A335 Gr. P 1 A335 Gr. P 5 A335 Gr. P 11 A335 Gr. P 22	A234 WP 1 A234 WP 5 A234 WP 11 A234 WP 22	A182 Gr. F 1 A182 Gr. F 5 A182 Gr. F 11 A182 Gr. F 22	A217 Gr. WC1 A217 Gr. WC5 A217 Gr. WC6 A217 Gr. WC9
Stainless Steel	A240 - 304 A240 - 304L A240 - 316 A240 - 316L	A312 TP304 A312 TP304L A312 TP316 A312 TP316L	A403 WP304 A403 WP304L A403 WP316 A403 WP316L	A182 F 304 A182 F 304L A182 F 316 A182 F 316L	A351 Gr. CF8 A351 Gr. CF3 A351 Gr. CF8 A351 Gr. CF3