

# WILL BE UPDATING THIS TO SOMETHING BETTER

				EN1092-1 PN10					ANSI 150					BS 10 TABLE D				
			Recommended Bolt Lengths	Flange			Bolt		Flange			Bolt		Flange			Bolt	
DN	d (od metric pipe)	G	flange joints	Diameter	PCD	Bolts	Size	Hole Size	Diameter	PCD	Bolts	Size	Hole Size	Diameter	PCD	bolts	Size	Hole Size
15	20	1/2"	75	95mm	65mm	4	M12	14mm	3 1/2" / 89mm	2 3/8" / 60mm	4	1/2"	5/8" / 16mm	3 3/4" / 95mm	2 5/8" / 67mm	4	1/2"	9/16" / 14mm
20	25	3/4"	75	105mm	75mm	4	M12	14mm	3 7/8" / 98mm	2 3/4" / 70mm	4	1/2"	5/8" / 16mm	4" / 102mm	2 7/8" / 73mm	4	1/2"	9/16" / 14mm
25	32	1"	75	115mm	85mm	4	M12	14mm	4 1/4" / 108mm	3 1/8" / 79mm	4	1/2"	5/8" / 16mm	4 1/2" / 114mm	3 1/4" / 83mm	4	1/2"	9/16" / 14mm
32	40	1 1/4"	75	140mm	100mm	4	M16	18mm	4 5/8" / 117mm	3 1/2" / 89mm	4	1/2"	5/8" / 16mm	4 3/4" / 121mm	3 7/16" / 87mm	4	1/2"	9/16" / 14mm
40	50	1 1/2"	75	150mm	110mm	4	M16	18mm	5" / 127mm	3 7/8" / 98mm	4	1/2"	5/8" / 16mm	5 1/4" / 133mm	3 7/8" / 98mm	4	1/2"	9/16" / 14mm
50	63	2"	100	165mm	125mm	4	M16	18mm	6" / 152mm	4 3/4" / 121mm	4	5/8"	3/4" / 19mm	6" / 152mm	4 1/2" / 114mm	4	5/8"	11/16" / 17mm
65	75	2 1/2"	100	185mm	145mm	4	M16	18mm	7" / 178mm	5 1/2" / 140mm	4	5/8"	3/4" / 19mm	6 1/2" / 165mm	5" / 127mm	4	5/8"	11/16" / 17mm
80	90	3"	100	200mm	160mm	8	M16	18mm	7 1/2" / 191mm	6" / 152mm	4	5/8"	3/4" / 19mm	7 1/4" / 184mm	5 3/4" / 146mm	4	5/8"	11/16" / 17mm
100	110	4"	100	220mm	180mm	8	M16	18mm	9" / 229mm	7 1/2" / 191mm	8	5/8"	3/4" / 19mm	8 1/2" / 216mm	7" / 178mm	4	5/8"	11/16" / 17mm
125	140	5"	130	250mm	210mm	8	M16	18mm	10" / 254mm	8 1/2" / 216mm	8	3/4"	7/8" / 22mm	10" / 254mm	8 1/4" / 210mm	8	5/8"	11/16" / 17mm
150	160	6"	130	285mm	240mm	8	M20	22mm	11" / 279mm	9 1/2" / 241mm	8	3/4"	7/8" / 22mm	11" / 279mm	9 1/4" / 235mm	8	5/8"	11/16" / 17mm
200	225	8"	130	340mm	295mm	8	M20	22mm	13 1/2" / 343mm	11 3/4" / 298mm	8	3/4"	7/8" / 22mm	13 1/4" / 337mm	11 1/2" / 292mm	8	5/8"	11/16" / 17mm
250	280	10"	160	395mm	350mm	12	M20	22mm	16" / 406mm	14 1/4" / 362mm	12	7/8"	1" / 25mm	16" / 406mm	14" / 356mm	8	3/4"	7/8" / 22mm
300	315	12"	160	445mm	400mm	12	M20	22mm	19" / 483mm	17" / 432mm	12	7/8"	1" / 25mm	18" / 457mm	16" / 406mm	12	3/4"	7/8" / 22mm
350	350	14"	200	505mm	460mm	16	M20	22mm	21" / 533mm	18 3/4" / 476mm	12	1"	1 1/8" / 29mm	20 3/4" / 527mm	18 1/2" / 470mm	12	7/8"	1" / 25mm
400	400	16"	200	565mm	515mm	16	M24	26mm	23 1/2" / 597mm	21 1/4" / 540mm	16	1"	1 1/8" / 29mm	22 3/4" / 578mm	20 1/2" / 521mm	12	7/8"	1" / 25mm