

Appendix C: Flange Tables

British Standard BS10	Table D	Table D is the most popular for applications with water. All dimensions are specified in inches.	
	Table E		
	Table F		
	Table G		
	Table H		
	Table J		
Australian Standard AS2129	Table C	These flanges are equivalent to the BS10 flanges, except that all dimensions are specified in mm. In some sizes, bolt holes are slightly larger to give better clearance.	
	Table D		
	Table E		
	Table F		
	Table G		
	Table H		
American National Standards Institute ANSI	ANSI 125	Higher numbers denote higher pressures. Sometimes people use the word 'Class' instead of ANSI. e.g. an ANSI 150 flange might be called a 'Class 150' All dimensions are specified in inches.	
	ANSI 150		
	ANSI 300		
	ANSI 600		
	ANSI 900		
	ANSI 1500		
British Standard BS4504	BS4504-6	PN6	Engineers use the prefix PN (Pressure Nominale). e.g. a BA4504-16 flange will commonly be referred to as a PN16 Generally, a PN16 flange is designed to withstand pressures up to 16 bar. All dimensions are specified in mm.
	BS4504-10	PN10	
	BS4504-16	PN16	
	BS4504-25	PN25	
	BS4504-40	PN40	
	BS4504-64	PN64	
	BS4504-100	PN100	

15NB (1/2")						20NB (3/4")					
Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness	Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	89	2 3/8" / 60mm	4 x 1/2"	16	8	ANSI 125/150	98	2 3/4" / 70mm	4 x 1/2"	16	14
ANSI 600	95	2 5/8" / 67mm	4 x 1/2"	16	14	ANSI 300	117	3 1/4" / 83mm	4 x 5/8"	19	16
ANSI 900	121	3 1/4" / 83mm	4 x 3/4"	22	22	ANSI 600	117	3 1/4" / 83mm	4 x 5/8"	19	16
AS2129 Table D	95	67mm	4 x M12	14	10	ANSI 900	130	3 1/2" / 89mm	4 x 3/4"	22	25
AS2129 Table E	95	67mm	4 x M12	14	10	AS2129 Table D	100	73mm	4 x M12	14	10
AS2129 Table F	95	67mm	4 x M12	14	10	AS2129 Table E	100	73mm	4 x M12	14	10
AS2129 Table H	115	83mm	4 x M16	17	13	AS2129 Table F	100	73mm	4 x M12	14	10
AS2129 Table J	115	83mm	4 x M16	17	16	AS2129 Table H	115	83mm	4 x M16	18	13
BS10 Table D	95	2 5/8" / 67mm	4 x 1/2"	14	10	AS2129 Table J	115	83mm	4 x M16	18	16
BS10 Table E	95	2 5/8" / 67mm	4 x 1/2"	14	10	BS10 Table D	102	2 7/8" / 73mm	4 x 1/2"	14	10
BS10 Table F	95	2 5/8" / 67mm	4 x 1/2"	14	10	BS10 Table E	102	2 7/8" / 73mm	4 x 1/2"	14	10
BS10 Table H	114	3 1/4" / 83mm	4 x 5/8"	17	13	BS10 Table F	102	2 7/8" / 73mm	4 x 1/2"	14	10
BS10 Table J	114	3 1/4" / 83mm	4 x 5/8"	17	16	BS10 Table H	114	3 1/4" / 83mm	4 x 5/8"	17	13
BS10 Table K	114	3 1/4" / 83mm	4 x 5/8"	17	19	BS10 Table J	114	3 1/4" / 83mm	4 x 5/8"	17	16
BS4504-PN6	80	55mm	4 x M10	11		BS10 Table K	114	3 1/4" / 83mm	4 x 5/8"	17	19
BS4504-PN10	95	65mm	4 x M12	14		BS4504-PN6	90	65mm	4 x M10	11	
BS4504-PN16	95	65mm	4 x M12	14		BS4504-PN10	105	75mm	4 x M12	14	
BS4504-PN25	95	65mm	4 x M12	14	16	BS4504-PN16	105	75mm	4 x M12	14	18
						BS4504-PN25	105	75mm	4 x M12	14	18

25NB (1")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	108	3 1/8" / 79mm	4 x 1/2"	16	11
ANSI 300	124	3 1/2" / 89mm	4 x 5/8"	19	17
ANSI 600	124	3 1/2" / 89mm	4 x 5/8"	19	17
ANSI 900	149	4" / 102mm	4 x 7/8"	25	29
AS2129 Table D	115	83mm	4 x M12	14	10
AS2129 Table E	115	83mm	4 x M12	14	10
AS2129 Table F	120	87mm	4 x M16	18	10
AS2129 Table H	120	87mm	4 x M16	18	14
AS2129 Table J	120	87mm	4 x M16	18	19
BS10 Table D	114	3 1/4" / 83mm	4 x 1/2"	14	10
BS10 Table E	114	3 1/4" / 83mm	4 x 1/2"	14	10
BS10 Table F	121	3 7/16" / 87mm	4 x 5/8"	14	10
BS10 Table H	121	3 7/16" / 87mm	4 x 5/8"	17	14
BS10 Table J	121	3 7/16" / 87mm	4 x 5/8"	17	19
BS10 Table K	127	3 3/4" / 95mm	4 x 5/8"	17	22
BS4504-PN6	100	75mm	4 x M10	11	
BS4504-PN10	115	85mm	4 x M12	14	
BS4504-PN16	115	85mm	4 x M12	14	18
BS4504-PN25	115	85mm	4 x M12	14	18

32NB (1 1/4")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	117	3 1/2" / 89mm	4 x 1/2"	16	13
ANSI 300	133	3 7/8" / 98mm	4 x 5/8"	19	19
ANSI 600	133	3 7/8" / 98mm	4 x 5/8"	19	21
ANSI 900	159	4 3/8" / 111mm	4 x 7/8"	25	29
ANSI 1500	159	4 3/8" / 111mm	4 x 7/8"	25	29
AS2129 Table D	120	87mm	4 x M12	14	13
AS2129 Table E	120	87mm	4 x M12	14	13
AS2129 Table F	135	98mm	4 x M16	18	13
AS2129 Table H	135	98mm	4 x M16	18	17
AS2129 Table J	135	98mm	4 x M16	18	19
BS10 Table D	121	3 7/16" / 87mm	4 x 1/2"	14	13
BS10 Table E	121	3 7/16" / 87mm	4 x 1/2"	14	13
BS10 Table F	133	3 7/8" / 98mm	4 x 5/8"	17	13
BS10 Table H	133	3 7/8" / 98mm	4 x 5/8"	17	17
BS10 Table J	133	3 7/8" / 98mm	4 x 5/8"	17	19
BS10 Table K	133	3 7/8" / 98mm	4 x 5/8"	17	22
BS4504-PN6	120	90mm	4 x M12	14	
BS4504-PN10	140	100mm	4 x M16	18	
BS4504-PN16	140	100mm	4 x M16	18	18
BS4504-PN25	140	100mm	4 x M16	18	18

40NB (1 1/2")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	127	3 7/8" / 98mm	4 x 1/2"	16	14
ANSI 300	156	4 1/2" / 114mm	4 x 3/4"	22	21
ANSI 600	156	4 1/2" / 114mm	4 x 3/4"	22	22
ANSI 900	178	4 7/8" / 124mm	4 x 1"	29	32
AS2129 Table D	135	98mm	4 x M12	14	13
AS2129 Table E	135	98mm	4 x M12	14	13
AS2129 Table F	140	105mm	4 x M16	18	13
AS2129 Table H	140	105mm	4 x M16	18	17
AS2129 Table J	140	105mm	4 x M16	18	22
BS10 Table D	133	3 7/8" / 98mm	4 x 1/2"	14	13
BS10 Table E	133	3 7/8" / 98mm	4 x 1/2"	14	13
BS10 Table F	140	4 1/8" / 105mm	4 x 5/8"	17	13
BS10 Table H	140	4 1/8" / 105mm	4 x 5/8"	17	17
BS10 Table J	140	4 1/8" / 105mm	4 x 5/8"	17	22
BS10 Table K	152	4 1/2" / 114mm	4 x 3/4"	22	25
BS4504-PN6	130	100mm	4 x M12	14	
BS4504-PN10	150	110mm	4 x M16	18	
BS4504-PN16	150	110mm	4 x M16	18	18
BS4504-PN25	150	110mm	4 x M16	18	18

50NB (2")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	152	4 3/4" / 121mm	4 x 5/8"	19	16
ANSI 300	165	5" / 127mm	8 x 5/8"	19	22
ANSI 600	165	5" / 127mm	8 x 5/8"	19	25
ANSI 900	216	6 1/2" / 165mm	8 x 7/8"	25	38
AS2129 Table D	150	114mm	4 x M16	18	14
AS2129 Table E	150	114mm	4 x M16	18	14
AS2129 Table F	165	127mm	4 x M16	18	16
AS2129 Table H	165	127mm	4 x M16	18	19
AS2129 Table J	165	127mm	4 x M20	22	25
BS10 Table D	152	4 1/2" / 114mm	4 x 5/8"	17	14
BS10 Table E	152	4 1/2" / 114mm	4 x 5/8"	17	14
BS10 Table F	165	5" / 127mm	4 x 5/8"	17	16
BS10 Table H	165	5" / 127mm	4 x 5/8"	17	19
BS10 Table J	165	5" / 127mm	4 x 3/4"	22	25
BS10 Table K	165	5" / 127mm	8 x 5/8"	17	25
BS4504-PN6	140	110mm	4 x M12	14	
BS4504-PN10	165	125mm	4 x M16	18	
BS4504-PN16	165	125mm	4 x M16	18	20
BS4504-PN25	165	125mm	4 x M16	18	20

65NB (2 1/2")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	178	5 1/2" / 140mm	4 x 5/8"	19	17
ANSI 300	191	5 7/8" / 149mm	8 x 3/4"	22	25
ANSI 600	191	5 7/8" / 149mm	8 x 3/4"	22	29
ANSI 900	244	7 1/2" / 191mm	8 x 1"	29	41
AS2129 Table D	165	127mm	4 x M16	18	14
AS2129 Table E	165	127mm	4 x M16	18	14
AS2129 Table F	185	146mm	8 x M16	18	16
AS2129 Table H	185	146mm	8 x M16	18	19
AS2129 Table J	185	146mm	8 x M20	22	25
BS10 Table D	165	5" / 127mm	4 x 5/8"	17	14
BS10 Table E	165	5" / 127mm	4 x 5/8"	17	14
BS10 Table F	184	5 3/4" / 146mm	8 x 5/8"	17	16
BS10 Table H	184	5 3/4" / 146mm	8 x 5/8"	17	19
BS10 Table J	184	5 3/4" / 146mm	8 x 3/4"	22	25
BS10 Table K	184	5 3/4" / 146mm	8 x 3/4"	22	29
BS4504-PN6	160	130mm	4 x M12	14	
BS4504-PN10	185	145mm	4 x M16	18	
BS4504-PN16	185	145mm	4 x M16	18	18
BS4504-PN25	185	145mm	8 x M16	18	22

80NB (3")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	191	6" / 152mm	4 x 5/8"	19	19
ANSI 300	210	6 5/8" / 168mm	8 x 3/4"	22	29
ANSI 600	210	6 5/8" / 168mm	8 x 3/4"	22	32
ANSI 900	241	7 1/2" / 191mm	8 x 7/8"	25	38
AS2129 Table D	185	146mm	4 x M16	18	14
AS2129 Table E	185	146mm	4 x M16	18	14
AS2129 Table F	205	165mm	8 x M16	18	16
AS2129 Table H	205	165mm	8 x M16	18	22
AS2129 Table J	205	165mm	8 x M20	22	32
BS10 Table D	184	5 3/4" / 146mm	4 x 5/8"	17	14
BS10 Table E	184	5 3/4" / 146mm	4 x 5/8"	17	14
BS10 Table F	203	6 1/2" / 165mm	8 x 5/8"	17	16
BS10 Table H	203	6 1/2" / 165mm	8 x 5/8"	17	22
BS10 Table J	203	6 1/2" / 165mm	8 x 3/4"	22	32
BS10 Table K	203	6 1/2" / 165mm	8 x 3/4"	22	32
BS4504-PN6	190	150mm	4 x M16	18	
BS4504-PN10	200	160mm	8 x M16	18	
BS4504-PN16	200	160mm	8 x M16	18	20
BS4504-PN25	200	160mm	8 x M16	18	24

100NB (4")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	229	7 1/2" / 191mm	8 x 5/8"	19	24
ANSI 300	254	7 7/8" / 200mm	8 x 3/4"	22	32
ANSI 600	273	8 1/2" / 216mm	8 x 7/8"	25	38
ANSI 900	292	9 1/4" / 235mm	8 x 1 1/8"	32	44
AS2129 Table D	215	178mm	4 x M16	18	17
AS2129 Table E	215	178mm	8 x M16	18	17
AS2129 Table F	230	191mm	8 x M16	18	19
AS2129 Table H	230	191mm	8 x M16	18	25
AS2129 Table J	230	191mm	8 x M20	22	35
BS10 Table D	216	7" / 178mm	4 x 5/8"	17	17
BS10 Table E	216	7" / 178mm	8 x 5/8"	17	17
BS10 Table F	229	7 1/2" / 191mm	8 x 5/8"	17	19
BS10 Table H	229	7 1/2" / 191mm	8 x 5/8"	17	25
BS10 Table J	229	7 1/2" / 191mm	8 x 3/4"	22	35
BS10 Table K	241	7 3/4" / 197mm	8 x 7/8"	25	35
BS4504-PN6	210	170mm	4 x M16	18	
BS4504-PN10	220	180mm	8 x M16	18	
BS4504-PN16	220	180mm	8 x M16	18	20
BS4504-PN25	235	190mm	8 x M20	22	24

125NB (5")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	254	8 1/2" / 216mm	8 x 3/4"	22	24
ANSI 300	279	9 1/4" / 235mm	8 x 3/4"	22	35
ANSI 600	330	10 1/2" / 267mm	8 x 1"	29	44
ANSI 900	349	11" / 279mm	8 x 1 1/4"	35	51
AS2129 Table D	255	210mm	8 x M16	18	17
AS2129 Table E	255	210mm	8 x M16	18	17
AS2129 Table F	280	235mm	8 x M20	22	22
AS2129 Table H	280	235mm	8 x M20	22	29
AS2129 Table J	280	235mm	8 x M24	26	26
BS10 Table D	254	8 1/4" / 210mm	8 x 5/8"	17	17
BS10 Table E	254	8 1/4" / 210mm	8 x 5/8"	17	17
BS10 Table F	279	9 1/4" / 235mm	8 x 3/4"	22	22
BS10 Table H	279	9 1/4" / 235mm	8 x 3/4"	22	29
BS10 Table J	279	9 1/4" / 235mm	8 x 7/8"	25	38
BS10 Table K	279	9 1/4" / 235mm	12 x 7/8"	25	41
BS4504-PN6	240	200mm	8 x M16	18	
BS4504-PN10	250	210mm	8 x M16	18	
BS4504-PN16	250	210mm	8 x M16	18	22
BS4504-PN25	270	220mm	8 x M24	26	26

150NB (6")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	279	9 1/2" / 241mm	8 x 3/4"	22	25
ANSI 300	318	10 5/8" / 270mm	12 x 3/4"	22	37
ANSI 600	356	11 1/2" / 292mm	12 x 1"	29	48
ANSI 900	381	12 1/2" / 318mm	12 x 1 1/8"	32	56
AS2129 Table D	280	235mm	8 x M16	18	17
AS2129 Table E	280	235mm	8 x M20	22	17
AS2129 Table F	305	260mm	12 x M20	22	22
AS2129 Table H	305	260mm	12 x M20	22	29
AS2129 Table J	305	260mm	12 x M24	26	38
BS10 Table D	279	9 1/4" / 235mm	8 x 5/8"	17	17
BS10 Table E	279	9 1/4" / 235mm	8 x 3/4"	22	17
BS10 Table F	305	10 1/4" / 260mm	12 x 3/4"	22	22
BS10 Table H	305	10 1/4" / 260mm	12 x 3/4"	22	29
BS10 Table J	305	10 1/4" / 260mm	12 x 7/8"	25	38
BS10 Table K	305	10 1/4" / 260mm	12 x 7/8"	25	41
BS4504-PN6	265	225mm	8 x M16	18	
BS4504-PN10	285	240mm	8 x M20	22	
BS4504-PN16	285	240mm	8 x M20	22	22
BS4504-PN25	300	250mm	8 x M24	26	28

200NB (8")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	343	11 3/4" / 298mm	8 x 3/4"	22	29
ANSI 300	381	13" / 330mm	12 x 7/8"	25	41
ANSI 600	419	13 3/4" / 349mm	12 x 1 1/8"	32	56
ANSI 900	470	15 1/2" / 394mm	12 x 1 3/8"	38	64
AS2129 Table D	335	292mm	8 x M16	18	19
AS2129 Table E	335	292mm	8 x M20	22	19
AS2129 Table F	370	324mm	12 x M20	22	25
AS2129 Table H	370	324mm	12 x M20	22	32
AS2129 Table J	370	324mm	12 x M24	26	41
BS10 Table D	337	11 1/2" / 292mm	8 x 5/8"	17	19
BS10 Table E	337	11 1/2" / 292mm	8 x 3/4"	22	19
BS10 Table F	368	12 3/4" / 324mm	12 x 3/4"	22	25
BS10 Table H	368	12 3/4" / 324mm	12 x 3/4"	22	32
BS10 Table J	368	12 3/4" / 324mm	12 x 7/8"	25	41
BS10 Table K	368	12 1/2" / 318mm	12 x 1"	29	48
BS4504-PN6	320	280mm	8 x M16	18	
BS4504-PN10	340	295mm	8 x M20	22	
BS4504-PN16	340	295mm	12 x M20	22	24
BS4504-PN25	360	310mm	12 x M24	26	30

250NB (10")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	406	14 1/4" / 362mm	12 x 7/8"	25	30
ANSI 300	445	15 1/4" / 387mm	16 x 1"	29	48
ANSI 600	508	17" / 432mm	16 x 1 1/4"	35	64
ANSI 900	546	18 1/2" / 470mm	16 x 1 3/8"	38	70
AS2129 Table D	405	356mm	8 x M20	22	19
AS2129 Table E	405	356mm	12 x M20	22	22
AS2129 Table F	430	381mm	12 x M24	26	25
AS2129 Table H	430	381mm	12 x M24	26	35
AS2129 Table J	430	381mm	12 x M27	30	48
BS10 Table D	406	14" / 356mm	8 x 3/4"	22	19
BS10 Table E	406	14" / 356mm	12 x 3/4"	22	22
BS10 Table F	432	15" / 381mm	12 x 7/8"	25	25
BS10 Table H	432	15" / 381mm	12 x 7/8"	25	35
BS10 Table J	432	15" / 381mm	12 x 1"	29	48
BS10 Table K	432	15" / 381mm	16 x 1"	29	51
BS4504-PN6	375	335mm	12 x M16	18	
BS4504-PN10	395	350mm	12 x M20	22	
BS4504-PN16	405	355mm	12 x M24	26	26
BS4504-PN25	425	370mm	12 x M27	30	32

300NB (12")

Table	Flange Dia	PCD	Bolts	Hole Size	Thick-ness
ANSI 125/150	483	17" / 432mm	12 x 7/8"	25	32
ANSI 300	521	17 3/4" / 451mm	16 x 1 1/8"	32	51
ANSI 600	559	19 1/4" / 489mm	20 x 1 1/4"	35	67
ANSI 900	610	21" / 533mm	20 x 1 3/8"	38	79
AS2129 Table D	455	406mm	12 x M20	22	22
AS2129 Table E	455	406mm	12 x M24	26	25
AS2129 Table F	490	438mm	16 x M24	26	29
AS2129 Table H	490	438mm	16 x M24	26	38
AS2129 Table J	490	438mm	16 x M27	30	51
BS10 Table D	457	16" / 406mm	12 x 3/4"	22	22
BS10 Table E	457	16" / 406mm	12 x 7/8"	25	25
BS10 Table F	489	17 1/4" / 438mm	16 x 7/8"	25	29
BS10 Table H	489	17 1/4" / 438mm	16 x 7/8"	25	38
BS10 Table J	489	17 1/4" / 438mm	16 x 1"	29	51
BS10 Table K	489	17" / 432mm	16 x 1 1/8"	32	32
BS4504-PN6	440	395mm	12 x M20	22	
BS4504-PN10	445	400mm	12 x M20	22	
BS4504-PN16	460	410mm	12 x M24	26	28
BS4504-PN25	485	430mm	16 x M27	30	34

350NB (14")

Table	Flange Dia	PCD	Bolts	Hole Size	Thickness
ANSI 125/150	533	18 3/4" / 476mm	12 x 1"	29	35
ANSI 300	584	20 1/4" / 514mm	20 x 1 1/8"	32	54
ANSI 600	603	20 3/4" / 527mm	20 x 1 3/8"	38	70
ANSI 900	641	22" / 559mm	20 x 1 1/2"	41	86
AS2129 Table D	525	470mm	12 x M24	26	25
AS2129 Table E	525	470mm	12 x M24	26	25
AS2129 Table F	550	495mm	16 x M27	30	32
AS2129 Table H	550	495mm	16 x M27	30	41
AS2129 Table J	550	495mm	16 x M30	33	54
BS10 Table D	527	18 1/2" / 470mm	12 x 7/8"	25	25
BS10 Table E	527	18 1/2" / 470mm	12 x 7/8"	25	25
BS10 Table F	552	19 1/2" / 495mm	16 x 1"	29	32
BS10 Table H	552	19 1/2" / 495mm	16 x 1"	29	41
BS10 Table J	552	19 1/2" / 495mm	16 x 1 1/8"	32	54
BS10 Table K	572	20" / 508mm	16 x 1 1/4"	35	60
BS4504-PN6	490	445mm	12 x M20	22	
BS4504-PN10	505	460mm	16 x M20	22	
BS4504-PN16	520	470mm	16 x M24	26	30
BS4504-PN25	555	490mm	16 x M30	33	38

375NB (15")

Table	Flange Dia	PCD	Bolts	Hole Size	Thickness
BS10 Table D	552	19 1/2" / 495mm	12 x 7/8"	25	
BS10 Table E	552	19 1/2" / 495mm	12 x 7/8"	25	
BS10 Table F	578	20 1/2" / 521mm	16 x 1"	29	
BS10 Table H	578	20 1/2" / 521mm	16 x 1"	29	
BS10 Table J	578	20 1/2" / 521mm	16 x 1 1/8"	32	
BS10 Table K	857	21 1/4" / 540mm	20 x 1 1/4"	35	
AS2129 Table D	552	495mm	12 x M24	26	25
AS2129 Table E	552	495mm	12 x M24	26	32
AS2129 Table F	578	521mm	16 x M27	30	38
AS2129 Table H	578	521mm	16 x M27	30	51

400NB (16")

Table	Flange Dia	PCD	Bolts	Hole Size	Thickness
ANSI 125/150	597	21 1/4" / 540mm	16 x 1"	29	37
ANSI 300	648	22 1/2" / 572mm	20 x 1 1/4"	35	57
ANSI 600	699	23 3/4" / 603mm	20 x 1 1/2"	41	76
ANSI 900	705	24 1/4" / 616mm	20 x 1 5/8"	44	89
AS2129 Table D	580	521mm	12 x M24	26	25
AS2129 Table E	580	521mm	12 x M24	26	25
AS2129 Table F	610	552mm	20 x M27	30	32
AS2129 Table H	610	552mm	20 x M27	30	44
AS2129 Table J	610	552mm	20 x M30	33	57
BS10 Table D	578	20 1/2" / 521mm	12 x 7/8"	25	25
BS10 Table E	578	20 1/2" / 521mm	12 x 7/8"	25	25
BS10 Table F	610	21 3/4" / 552mm	20 x 1"	29	32
BS10 Table H	610	21 3/4" / 552mm	20 x 1"	29	44
BS10 Table J	610	21 3/4" / 552mm	20 x 1 1/8"	32	57
BS10 Table K	629	22 1/4" / 565mm	20 x 1 1/4"	35	67
BS4504-PN6	540	495mm	16 x M20	22	
BS4504-PN10	565	515mm	16 x M24	26	
BS4504-PN16	580	525mm	16 x M27	30	32
BS4504-PN25	620	550mm	16 x M33	36	40

450NB (18")

Table	Flange Dia	PCD	Bolts	Hole Size	Thickness
ANSI 125/150	635	22 3/4" / 578mm	16 x 1 1/8"	32	40
ANSI 300	711	24 3/4" / 629mm	24 x 1 1/4"	35	60
ANSI 600	743	25 3/4" / 654mm	20 x 1 5/8"	44	83
ANSI 900	787	27" / 686mm	20 x 1 7/8"	51	102
AS2129 Table D	640	584mm	12 x M24	26	29
AS2129 Table E	640	584mm	16 x M24	26	29
AS2129 Table F	675	610mm	20 x M30	33	35
AS2129 Table H	675	610mm	20 x M30	33	48
AS2129 Table J	675	610mm	20 x M33	35	60
BS10 Table D	641	23" / 584mm	12 x 7/8"	25	29
BS10 Table E	641	23" / 584mm	16 x 7/8"	25	29
BS10 Table F	673	24" / 610mm	20 x 1 1/8"	32	35
BS10 Table H	673	24" / 610mm	20 x 1 1/8"	32	48
BS10 Table J	673	24" / 610mm	20 x 1 1/4"	35	60
BS10 Table K	718	25 3/4" / 654mm	20 x 1 3/8"	38	76
BS4504-PN6	595	550mm	16 x M20	22	
BS4504-PN10	615	565mm	20 x M24	26	
BS4504-PN16	640	585mm	20 x M27	30	

500NB (20")

Table	Flange Dia	PCD	Bolts	Hole Size	Thickness
ANSI 125/150	699	25" / 635mm	20 x 1 1/8"	32	43
ANSI 300	775	27" / 686mm	24 x 1 1/4"	35	64
ANSI 600	813	28 1/2" / 724mm	24 x 1 5/8"	44	89
ANSI 900	845	29 1/2" / 749mm	20 x 2"	54	108
AS2129 Table D	705	641mm	16 x M24	26	32
AS2129 Table E	705	641mm	16 x M24	26	32
AS2129 Table F	735	673mm	24 x M30	33	38
AS2129 Table H	735	673mm	24 x M30	33	51
AS2129 Table J	735	673mm	24 x M33	36	64
BS10 Table D	705	25 1/4" / 641mm	16 x 7/8"	25	32
BS10 Table E	705	25 1/4" / 641mm	16 x 7/8"	25	32
BS10 Table F	737	26 1/2" / 673mm	20 x 1 1/8"	32	38
BS10 Table H	737	26 1/2" / 673mm	20 x 1 1/8"	32	51
BS10 Table J	737	26 1/2" / 673mm	20 x 1 1/4"	35	64
BS10 Table K	787	28" / 711mm	20 x 1 1/2"	41	83
BS4504-PN6	645	600mm	20 x M20	22	
BS4504-PN10	670	620mm	20 x M24	26	
BS4504-PN16	715	650mm	20 x M30	33	36
BS4504-PN25	730	660mm	20 x M33	36	44

600NB (24")

Table	Flange Dia	PCD	Bolts	Hole Size	Thickness
ANSI 125/150	813	29 1/2" / 749mm	20 x 1 1/4"	35	48
ANSI 300	914	32" / 813mm	24 x 1 1/2"	41	70
ANSI 600	940	33" / 838mm	24 x 1 7/8"	51	102
ANSI 900	1041	34" / 864mm	20 x 2 1/2"	67	140
ANSI 1500	1168	39" / 991mm	16 x 3 1/2"	92	203
AS2129 Table C	825	756mm	16 x M27	30	35
AS2129 Table D	825	756mm	16 x M27	30	35
AS2129 Table E	825	756mm	16 x M30	33	38
AS2129 Table F	850	781mm	24 x M33	36	41
AS2129 Table H	850	781mm	24 x M33	36	57
AS2129 Table J	850	781mm	24 x M36	39	70
BS10 Table D	826	29 3/4" / 756mm	16 x 1"	29	35
BS10 Table E	826	29 3/4" / 756mm	16 x 1 1/8"	32	38
BS10 Table F	851	30 3/4" / 781mm	24 x 1 1/4"	35	41
BS10 Table H	851	30 3/4" / 781mm	24 x 1 1/4"	35	57
BS10 Table J	851	30 3/4" / 781mm	24 x 1 3/8"	38	70
BS4504-PN6	755	705mm	20 x M24	26	
BS4504-PN10	780	725mm	20 x M27	30	
BS4504-PN16	840	770mm	20 x M33	36	40
BS4504-PN25	845	770mm	20 x M36	39	46