

Nominal Bore	BS4504 Table 6					BS4504 Table 10					BS4504 Table 16				
	Dimension				Length of Bolts	Dimension			Length of Bolts		Dimension			Length of Bolts	
	IN	MM	DIA MM	PCD MM		DIA MM	PCD MM	No of Hole			DIA MM	PCD MM	No of Hole		
1/2"	15	80	55	4	M10x45	95	65	4	M12x50	95	65	4	M12x45		
3/4"	20	90	65	4	M10x50	105	75	4	M12x55	105	75	4	M12x50		
1"	25	100	75	4	M10x50	115	85	4	M12x55	115	85	4	M12x50		
1 1/4"	32	120	90	4	M12x55	140	100	4	M16x55	140	100	4	M16x55		
1 1/2"	40	130	100	4	M12x55	150	110	4	M16x55	150	110	4	M16x55		
2"	50	140	110	4	M12x55	165	125	4	M16x65	165	125	4	M16x60		
2 1/2"	65	160	130	4	M12x55	185	145	4	M16x65	185	145	4	M16x60		
3"	80	190	150	4	M16x65	200	160	8	M16x70	200	160	8	M16x60		
4"	100	210	170	4	M16x65	220	180	8	M16x70	220	180	8	M16x65		
5"	125	240	200	8	M16x70	250	210	8	M16x70	250	210	8	M16x70		
6"	150	265	225	8	M16x70	285	240	8	M20x70	285	240	8	M20x70		
8"	200	320	280	8	M16x70	340	295	8	M20x75	340	295	12	M20x75		
10"	250	375	335	12	M16x70	395	350	12	M20x80	405	355	12	M24x90		
12"	300	440	395	12	M20x70	445	400	12	M20x80	460	410	12	M24x90		
14"	350	490	445	12	M20x80	505	460	16	M20x80	520	470	16	M24x90		
16"	400	540	495	16	M20x80	565	515	16	M24x90	580	525	16	M27x100		
18"	450	595	550	16	M20x90	615	565	20	M24x105	640	585	20	M27x120		
20"	500	645	600	20	M20x90	670	620	20	M24x105	715	650	20	M30x125		

Nominal Bore	BS4504 Table 25					BS4504 Table 40					BS4504 Table 64				
	Dimension				Length of Bolts	Dimension			Length of Bolts		Dimension			Length of Bolts	
	IN	MM	DIA MM	PCD MM		DIA MM	PCD MM	No of Hole			DIA MM	PCD MM	No of Hole		
1/2"	15	95	65	4	M12x55	95	65	4	M12x55	105	75	4	M16x70		
3/4"	20	105	75	4	M12x65	105	75	4	M12x65	130	90	4	M16x70		
1"	25	115	85	4	M12x65	115	85	4	M12x65	140	100	4	M16x75		
1 1/4"	32	140	100	4	M16x65	140	100	4	M16x65	155	110	4	M20x75		
1 1/2"	40	150	110	4	M16x70	150	110	4	M16x70	170	125	4	M20x80		
2"	50	165	125	4	M16x70	165	125	4	M16x70	180	135	4	M20x80		
2 1/2"	65	185	145	8	M16x70	185	145	8	M16x70	205	160	8	M20x80		
3"	80	200	160	8	M16x75	200	160	8	M16x75	215	170	8	M20x90		
4"	100	235	190	8	M20x80	235	190	8	M20x80	250	200	8	M24x90		
5"	125	270	220	8	M24x80	270	220	8	M24x80	295	240	8	M27x100		
6"	150	300	250	8	M24x90	300	250	8	M24x90	345	280	8	M30x150		
8"	200	360	310	12	M24x90	375	320	12	M27x90	415	345	12	M33x130		
10"	250	425	370	12	M27x90	450	385	12	M30x120	470	400	12	M33x150		
12"	300	485	430	16	M27x110	515	450	16	M30x140	530	460	16	M33x160		
14"	350	555	490	16	M30x127	580	510	16	M33x150	600	525	16	M39x180		
16"	400	620	550	16	M33x140	600	585	16	M36x160	670	585	16	M39x200		
18"	450	670	600	20	M33x140	685	610	20	M36x170	*	*	*	*		
20"	500	730	660	20	M33x155	775	670	20	M39x180	*	*	*	*		

TEMPERATURE (C) PRESSURE RATINGS												
Temperature From -10C	BS10 IMPERIAL PSI				ASA PSI		BS4504 METRIC PSI					
	D	E	F	H	150	300	6	10	16	25	40	64
+100C	100	200	300	500	240	700	88	147	235	368	588	940
+200C	100	200	300	500	180	655	88	147	235	368	588	940
+250C	95	185	280	465	*	*	74	132	220	353	559	897
+300C	80	155	235	395	130	555	*	117	191	309	485	779
+350C	65	130	195	320	*	*	*	103	162	250	412	647
+400C	50	100	150	250	100	425	*	88	132	206	338	529



Nominal Bore	BS10 Table D					BS10 Table E					BS10 Table F				
	Dimension				Length of Bolts	Dimension			Length of Bolts		Dimension			Length of Bolts	
	IN	MM	DIA MM	PCD MM		DIA MM	PCD MM	No of Hole			DIA MM	PCD MM	No of Hole		
1/2"	15	95	67	4	M12x40	95	67	4	M12x40		95	67	4	M12x40	
3/4"	20	102	73	4	M12x40	102	73	4	M12x40		102	73	4	M12x40	
1"	25	114	83	4	M12x40	114	83	4	M12x40		121	87	4	M16x45	
1 1/4"	32	121	87	4	M12x40	121	87	4	M12x40		133	98	4	M16x45	
1 1/2"	40	133	98	4	M12x40	133	98	4	M12x40		140	105	4	M16x50	
2"	50	152	114	4	M16x50	152	114	4	M16x50		165	127	4	M16x60	
2 1/2"	65	165	127	4	M16x50	165	127	4	M16x50		184	146	4	M16x65	
3"	80	184	146	4	M16x50	184	146	4	M16x50		203	165	8	M16x65	
4"	100	216	178	4	M16x55	216	178	8	M16x55		229	191	8	M16x65	
5"	125	254	210	8	M16x65	254	210	8	M16x65		279	235	8	M20x70	
6"	150	279	235	8	M20x65	279	235	8	M20x65		305	260	8	M20x70	
8"	200	337	292	8	M20x70	337	292	8	M20x70		368	324	12	M20x75	
10"	250	406	356	8	M20x55	406	356	12	M20x70		432	381	12	M22x80	
12"	300	457	406	12	M20x65	457	406	12	M20x80		489	438	16	M22x90	
14"	350	527	470	12	M22x70	527	470	12	M22x80		552	495	16	M24x105	
16"	400	578	521	12	M22x70	578	521	12	M22x90		610	552	20	M24x110	
18"	450	641	584	12	M22x70	647	584	16	M22x100		673	610	20	M28x120	
20"	500	705	641	16	M22x80	705	641	16	M22x105		737	637	24	M28x130	

Nominal Bore	BS10 Table H					BS1560 ASA150					BS1560 ASA300				
	Dimension				Length of Bolts	Dimension			Length of Bolts		Dimension			Length of Bolts	
	IN	MM	DIA MM	PCD MM		DIA MM	PCD MM	No of Hole			DIA MM	PCD MM	No of Hole		
1/2"	15	114	83	4	M16x50	89	60	4	M12x45		92	67	4	M12x50	
3/4"	20	114	83	4	M16x50	98	70	4	M12x50		117	83	4	M16x65	
1"	25	121	87	4	M16x50	108	79	4	M12x50		124	89	4	M16x65	
1 1/4"	32	133	98	4	M16x60	117	89	4	M12x55		133	98	4	M16x70	
1 1/2"	40	140	105	4	M16x60	127	98	4	M12x55		156	114	8	M20x75	
2"	50	165	127	4	M16x65	152	121	4	M16x70		165	127	8	M20x75	
2 1/2"	65	184	146	8	M16x65	178	140	4	M16x75		191	149	8	M20x80	
3"	80	203	165	8	M16x70	191	152	4	M16x75		210	168	8	M20x90	
4"	100	229	191	8	M16x75	229	191	8	M16x75		254	200	8	M20x95	
5"	125	279	235	8	M20x75	254	216	8	M20x80		279	235	8	M20x105	
6"	150	305	260	12	M20x75	279	241	8	M20x80		318	270	12	M20x105	
8"	200	368	324	12	M20x90	342	298	8	M20x90		381	330	12	M22x100	
10"	250	432	381	12	M22x100	406	362	12	M22x95		444	387	16	M24x120	
12"	300	489	438	12	M22x105	482	431	12	M22x100		520	451	16	M28x130	
14"	350	552	495	16	M24x120	533	476	12	M24x105		584	514	20	M28x140	
16"	400	610	552	20	M24x140	598	540	16	M24x105		648	572	20	M30x150	
18"	450	673	610	20	M28x150	635	578	16	M28x110		711	629	24	M30x150	
20"	500	737	673	24	M28x170	699	635	20	M28x120		775	686	24	M30x160	

FLANGES: We stock a full range of flanges in the above tables/sizes, slip-on plates/bossed, screwed bossed, blanks & weld necks. Other tables/sizes and specials are available on request.

GASKETS: We stock ring, full face gaskets and sheets in different materials.
Spiral wound gaskets and special cut gaskets available on request.

Novus 30 - WRAS, +140c, 100bar, colour orange

Novus 34 - WRAS, +450c, 160bar, colour white

Graftec- WRAS, +450c (280c steam) 100bar, colour grey

EPDM- WRAS, +110c, colour black rubber

*Max temp/pressure cannot be used simultaneously, are thickness dependant & depend on site conditions.

