

Pipe joints to BS EN 1514:2004			Table 3: PN2.5 Flanges				
Nominal size	Gasket inside diameter	IBC gasket outside diameter	Full face gasket				
			Outside diameter	Holes		Bolt circle diameter	
				No.	Diameter		
DN	mm	mm	mm		mm	inch	mm
10 – 1000mm	Use PN6 Dimensions						
1200	1220	1290					
1400	1420	1490					
1600	1620	1700					
1800	1820	1900					
2000	2020	2100					
2200	2220	2307					
2400	2420	2507					
2600	2620	2707					
2800	2820	2924					
3000	3020	3124					
3200	3220	3324					
3400	3420	3524					
3600	3620	3734					
3800	3820	3931					
4000	4020	4131					

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.



Pipe joints to BS EN 1514:2004			Table 4: PN6 Flanges			
Nominal size	Gasket inside diameter	IBC gasket outside diameter	Full face gasket			
			Outside diameter	Holes		Bolt circle diameter
				No.	Diameter	
DN	mm	mm	mm		mm	mm
10	18	39	75	4	11	50
15	22	44	80	4	11	55
20	27	54	90	4	11	65
25	34	64	100	4	11	75
32	43	76	120	4	14	90
40	49	86	130	4	14	100
50	61	96	140	4	14	110
60 ¹	72	106	150	4	14	120
65	77	116	160	4	14	130
80	89	132	190	4	18	150
100	115	152	210	4	18	170
125	141	182	240	8	18	200
150	169	207	265	8	18	225
200	220	262	320	8	18	280
250	273	317	375	12	18	335
300	324	373	440	12	22	395
350	356	423	490	12	22	445
400	407	473	540	16	22	495
450	458	528	595	16	22	550
500	508	578	645	20	22	600
600	610	679	755	20	26	705
700	712	784				
800	813	890				
900	915	990				
1000	1016	1090				
1200	1220	1307				
1400	1420	1524				
1600	1620	1724				
1800	1820	1931				
2000	2020	2138				
2200	2220	2348				
2400	2420	2558				
2600	2620	2762				
2800	2820	2972				
3000	3020	3172				
3200	3220	3382				
3400	3420	3592				
3600	3620	3804				

¹Relates to cast iron flanges only.

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Pipe joints to BS EN 1514:2004							Table 5: PN10 Flanges		
Nominal size	Gasket inside diameter 2), 3)	IBC gasket outside diameter	Full face gasket				Type SR Gasket Outside Diameter	Type TG Gasket	
			Outside diameter	Holes		Bolt circle diameter		Inside Diameter	Outside Diameter
				No.	Diameter				
DN	mm	mm	mm		mm	mm	mm	mm	
10	Use PN40 Dimensions						Use PN40 Dimensions	Use PN40 Dimensions	
15									
20									
25									
32									
40									
50									
60 ¹⁾									
65									
80									
100	Use PN16 Dimensions		Use PN16 Dimensions				Use PN40 Dimensions	Use PN40 Dimensions	
125									
150									
200			340	8	22	295			
250	273	328	395 ⁴⁾	12	22	350			Use PN25 Dimensions
300	324	378	445 ⁴⁾	12	22	400			
350	356	438	505	16	22	460			
400	407	489	565	16	26	515			
450	458	539	615	20	26	565			
500	508	594	670	20	26	620			
600	610	695	780	20	30	725			
700	712	810	895	24	30	840			
800	813	917	1015	24	33	950			
900	915	1017	1115	28	33	1050			
1000	1016	1124	1230	28	36	1160	Use PN40 Dimensions		
1100	1120	1231	1340	32	39	1270			
1200	1220	1341	1455	32	39	1380			
1400	1420	1548	1675	36	42	1590			
1500 ¹⁾	1520	1658	1785	36	42	1700			
1600	1620	1772	1915	40	48	1820			
1800	1820	1972	2115	44	48	2020			
2000	2020	2182	2325	48	48	2230			
2200	2220	2384	1) Relates to cast iron flanges only. 2) Except tongue and groove gasket. 3) See table 10 for inside diameters of gaskets to suit EN545, EN598 & EN969 flanges. 4) For ductile iron pipes and fittings complying with EN545, EN598 & EN969, the outside diameter for the following flanges are:- DN250 – 400mm, DN300 – 455mm.					Use PN40 Dimensions	
2400	2420	2594							
2600	2620	2794							
2800	2820	3014							
3000	3020	3228							

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.

Pipe joints to BS EN 1514:2004							Table 6: PN16 Flanges		
Nominal size	Gasket inside diameter ^{2), 3)}	IBC gasket outside diameter	Full face gasket			Type SR Gasket Outside Diameter	Type TG Gasket		
			Outside diameter	Holes			Bolt circle diameter	Inside Diameter	Outside Diameter
				No.	Diameter				
DN	mm	mm	mm		mm	mm	mm		
10	Use PN40 Dimensions						Use PN40 Dimensions	Use PN40 Dimensions	
15									
20									
25									
32									
40									
50									
60 ¹⁾									
65									
80									
100	115	162	220	8	18	180			
125	141	192	250	8	18	210			
150	169	218	285	8	22	240			
200	220	273	340	12	22	295			
250	273	329	405 ⁴⁾	12	26	355			
300	324	384	460 ⁴⁾	12	26	410			
350	356	444	520	16	26	470			
400	407	495	580	16	30	525			
450	458	555	640	20	30	585			
500	508	617	715	20	33	650			
600	610	734	840	20	36	770			
700	712	804	910	24	36	840			
800	813	911	1025	24	39	950			
900	915	1011	1125	28	39	1050			
1000	1016	1128	1255	28	42	1170			
1100	1120	1228	1355	32	42	1270			
1200	1220	1342	1485	32	48	1390			
1400	1420	1542	1685	36	48	1590			
1500 ¹⁾	1520	1654	1820	36	56	1710			
1600	1620	1764	1930	40	56	1820			
1800	1820	1964	2130	44	56	2020			
2000	2020	2168	2345	48	62	2230			
Use PN25 Dimensions									

¹⁾ Relates to cast iron flanges only.
²⁾ Except tongue and groove gasket.
³⁾ See table 10 for inside diameters of gaskets to suit EN545, EN598 & EN969 flanges.
⁴⁾ For ductile iron pipes and fittings complying with EN545, EN598 & EN969, the outside diameter for the following flanges are:- DN250 – 400mm, DN300 – 455mm.

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.



Pipe joints to BS EN 1514:2004							Table 7: PN25 Flanges					
Nominal size	Gasket inside diameter <small>2), 3)</small>	IBC gasket outside diameter	Full face gasket				Type SR Gasket Outside Diameter	Type TG Gasket				
			Outside diameter	Holes		Bolt circle diameter		Inside Diameter	Outside Diameter			
				No.	Diameter							
DN	mm	mm	mm		mm	mm	mm	mm				
10	Use PN40 Dimensions						Use PN40 Dimensions	Use PN40 Dimensions				
15												
20												
25												
32												
40												
50												
60 ¹⁾												
65												
80												
100												
125												
150												
200	220	284	360	12	26	310	Use PN40 Dimensions	Use PN40 Dimensions				
250	273	340	425	12	30	370						
300	324	400	485	16	30	430						
350	356	457	555	16	33	490						
400	407	514	620	16	36	550						
450	458	564	670	20	36	600						
500	508	624	730	20	36	660						
600	610	731	845	20	39	770						
700	712	833	960	24	42	875				777	751	777
800	813	942	1085	24	48	990				882	856	882
900	915	1042	1185	28	48	1090				987	961	987
1000	1016	1154	1320	28	56	1210				1092	1062	1092
1100	1120	1254	1420	32	56	1310				Use PN40 Dimensions	Use PN40 Dimensions	
1200	1220	1364	1530	32	56	1420						
1400	1420	1578	1755	36	62	1640						
1500 ¹⁾	1520	1688	1865	36	62	1750						
1600	1620	1798	1975	40	62	1860						
1800	1820	2000	2195	44	70	2070						
2000	2020	2230	2425	48	70	2300						

¹⁾ Relates to cast iron flanges only.
²⁾ Except tongue and groove gasket.
³⁾ See table 10 for inside diameters of gaskets to suit EN545, EN598 & EN969 flanges.

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.



Pipe joints to BS EN 1514:2004							Table 8: PN40 Flanges		
Nominal size	Gasket inside diameter <small>2), 3)</small>	IBC gasket outside diameter	Full face gasket				Type SR Gasket Outside Diameter	Type TG Gasket	
			Outside diameter	Holes		Bolt circle diameter		Inside Diameter	Outside Diameter
				No.	Diameter				
DN	mm	mm	mm		mm	mm	mm	mm	mm
10	18	46	90	4	14	60	34	24	34
15	22	51	95	4	14	65	39	29	39
20	27	61	105	4	14	75	50	36	50
25	34	71	115	4	14	85	57	43	57
32	43	82	140	4	18	100	65	51	65
40	49	92	150	4	18	110	75	61	75
50	61	107	165	4	18	125	87	73	87
60 ¹⁾	72	117	175	8	18	135	-	-	-
65 ⁴⁾	77	127	185	8 ⁴⁾	18	145	109	95	109
80	89	142	200	8	18	160	120	106	120
100	115	168	235	8	22	190	149	129	149
125	141	194	270	8	26	220	175	155	175
150	169	224	300	8	26	250	203	183	203
200	220	290	375	12	30	320	259	239	259
250	273	352	450	12	33	385	312	292	312
300	324	417	515	16	33	450	363	343	363
350	356	474	580	16	36	510	421	395	421
400	407	546	660	16	39	585	473	447	473
450	458	571	685	20	39	610	523	497	523
500	508	628	755	20	42	670	575	549	575
600	610	747	890	20	48	795	675	649	675

¹⁾ Relates to cast iron flanges only.
²⁾ Except tongue and groove gasket.
³⁾ See table 10 for inside diameters of gaskets to suit EN545, EN598 & EN969 flanges.
⁴⁾ This gasket is also used for flanges having 4 bolt holes.

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.



Pipe joints to BS EN 1514:2004		Table 8: PN63 Flanges	
DN (mm)	Inside Diameter (mm)	IBC Outside Diameter (mm)	
10	18	56	
15	21	61	
20	25	72	
25	30	82	
32	41	88	
40	47	103	
50	59	113	
60 ¹⁾	68	123	
65	73	138	
80	86	148	
100	110	174	
125	135	210	
150	163	247	
175	185	277	
200	210	309	
250	264	364	
300	314	424	
350	360	486	
400	415	543	
1) Relates to cast iron flanges only.			

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.



Some gaskets specifically required for use with flanges complying with EN 545, EN598 & EN 969 (previously BS4772) ductile iron pipes and fittings have inside diameters different to those for use with flanges complying with EN1092 (Previously BS 4504), in which case the diameters are as shown below.

Table 10. Inside diameters of gaskets specifically for use with pipes and fittings complying with EN 545, EN 598 and EN 969.	
DN	Gasket Inside Diameter (mm)
350	368
400	420
450	470
500	520
600	620
700	720
800	820
900	920
1000	1025
1100	1125
1200	1225
1400	1430
1500	1535
1600	1635
1800	1840
2000	2040

Applies only to nominal pressures PN10 to PN40.

For gaskets of other nominal sizes and for other dimensions, see EN 1514 tables.

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.