

Table 45

Dimensions of Gaskets for PN 2.5 Flanges (Table 3 in EN1514 - 1:1997)			
Dimensions in Millimetres			
DN	Gasket Inside Diameter	Type IBC Gasket Outside Diameter	Type FF Gasket
10	Use PN 6 Dimensions	Use PN 6 Dimensions	Use PN 6 Dimensions
15			
20			
25			
32			
40			
50			
65			
80			
100			
125			
150			
200			
250			
300			
350			
400			
450			
500			
600			
700			
800			
900			
1000			
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	

Table 46

Dimensions of Gaskets for PN 6 Flanges (Table 4 in EN1514 - 1:1997)						
Dimensions in Millimetres						
DN	Gasket Inside Diameter	Type IBC Gasket Outside Diameter	Type FF Gasket			Bolt Circle Diameter
			Outside Diameter	Holes		
				No	Diameter	
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				

(1) Relates to cast iron flanges only

Table 47

Dimensions for Gaskets for PN 10 Flanges (Table 5 in EN1514 - 1:1997)								Dimensions in Millimetres	
DN	Gaskets 2) 3) Inside Diameter	Type IBC Gasket Outside Diameter	Type FF Gasket			Bolt Circle Diameter	Type SR Gasket Outside Diameter	Type TG Gasket	
			Outside Diameter	Holes				Inside Diameter	Outside Diameter
				No	Diameter				
10	Use PN 40 Dimensions						Use PN 40 Dimensions	Use PN 40 Dimensions	
15									
20									
25									
32									
40									
50									
60 ⁽¹⁾									
65									
80									
100	Use PN 16 Dimensions						Use PN 16 Dimensions		
125									
150									
200									
250									
300									
350									
400									
450									
500									
600								Use PN 25 Dimensions	
700									
800									
900									
1000									
1100									
1200									
1400									
1500 ⁽¹⁾									
1600									
1800									
2000									
2200									
2400									
2600									
2800									
3000									
3200									
3400									
3600									

(1) Relates to cast iron flanges only.
(2) Except tongue and groove gasket.
(3) See table 10 for inside diameters of gaskets to suit EN 545, EN 598 and EN 969 flanges.
(4) For ductile iron pipes and fittings complying with EN 545, EN 598 and EN 969, the outside diameters for the following flanges are:
- DN 250: 400mm.
- DN 300: 455mm.

Table 48

Dimensions for Gaskets for PN 16 Flanges (Table 6 in EN1514 - 1:1997)									
DN	Gaskets 2) 3) Inside Diameter	Type IBC Gasket Outside Diameter	Type FF Gasket				Bolt Circle Diameter	Dimensions in Millimetres	
			Outside Diameter	Holes		Type SR Gasket Outside Diameter		Type TG Gasket	
				No	Diameter			Inside Diameter	Outside Diameter
10	Use PN 40 Dimensions	Use PN 40 Dimensions	Use PN 40 Dimensions				Use PN 40 Dimensions	Use PN 40 Dimensions	
15									
20									
25									
32									
40									
50									
60 ⁽¹⁾									
65									
80									
100									115
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	Use PN 25 Dimensions	Use PN 25 Dimensions	
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			

(1) Relates to cast iron flanges only.
(2) Except tongue and groove gasket.
(3) See table 10 for inside diameters of gaskets to suit EN 545, EN 598 and EN 969 flanges.
(4) For ductile iron pipes and fittings complying with EN 545, EN 598 and EN 969, the outside diameters for the following Flanges are:
- DN 250: 400mm.
- DN 300: 455mm.

Table 49

Dimensions for Gaskets for PN 25 Flanges (Table 7 in EN1514 - 1:1997)									
DN	Gaskets 2) 3) Inside Diameter	Type IBC Gasket Outside Diameter	Type FF Gasket				Dimensions in Millimetres		
			Outside Diameter	Gasket Outside Diameter		Inside Diameter	Type SR Gasket Outside Diameter	Type TG Gasket	
				No	Diameter			Inside Diameter	Outside Diameter
10	Use PN 40 Dimensions	Use PN 40 Dimensions	Use PN 40 Dimensions				Use PN 40 Dimensions	Use PN 40 Dimensions	
15									
20									
25									
32									
40									
50									
60 ⁽¹⁾									
65									
80									
100									
125									
150									
200									
250									
300									
350									
400									
450									
500									
600									
700									
800									
900									
1000									
1100									
1200									
1400									
1500 ⁽¹⁾									
1600									
1800									
2000									
220	284	360	12	26	310				
273	340	425	12	30	370				
324	400	485	16	30	430				
356	457	555	16	33	490				
407	514	620	16	36	550				
458	564	670	20	36	600				
508	624	730	20	36	660				
610	731	845	20	39	770				
712	833	960	24	42	875	777	751	777	
813	942	1085	24	48	990	882	856	882	
915	1042	1185	28	48	1090	987	961	987	
1016	1154	1320	28	56	1210	1092	1062	1092	
1120	1254	1420	32	56	1310				
1220	1364	1530	32	56	1420				
1420	1578	1755	36	62	1640				
1520	1688	1865	36	62	1750				
1620	1798	1975	40	62	1860				
1820	2000	2195	44	70	2070				
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 EN 545, EN 598 AND EN 969 flanges.

Table 50

Dimensions for Gaskets for PN 40 Flanges (Table 8 in EN1514 - 1:1997)									
DN	Gaskets 2) 3) Inside Diameter	Type IBC Gasket Outside Diameter	Type FF Gasket				Type SR Gasket Outside Diameter	Dimensions in Millimetres	
			Outside Diameter	Holes		Bolt Circle Diameter		Type TG Gasket Inside Diameter	Type TG Gasket Outside Diameter
				No	Diameter				
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	26	320	259	239	259
250	273	352	450	12	30	385	312	292	312
300	324	417	515	16	30	450	363	343	363
350	356	474	580	16	33	510	421	395	421
400	407	546	660	16	36	585	473	447	473
450	458	571	685	20	36	610	523	497	523
500	508	628	755	20	36	670	575	549	575
600	610	747	890	20	39	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 EN 545, EN 598 AND EN 969 flanges.
(4) This gasket is used also for flanges having 4 bolt holes

Table 51

Dimensions of gaskets for PN 64 flanges (Table 9 in EN1514 –1:1997)		
DN	Dimensions in millimetres	
	Gasket inside diameter	Type IBC gasket outside diameter
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

Clause 9

Inside diameters of gaskets for use with pipes and fittings complying with EN 545, EN 598 and EN 969

Some gaskets specifically required for use with EN 545, EN 598 and EN 969 have inside diameters different to those for use with flanges complying with pr EN 1092, in which case the inside diameters shall be given in table 52 (Table 10 in EN1514 -1:1997).

Note 1. Gaskets for use with pipes and fittings complying with EN 545, EN 598 and EN 969 will apply only in the range PN10 to PN40.

Note 2. For gaskets of other nominal sizes and for other dimensions consult tables 47 to 51 (Tables 5 to 9 in EN1514 -1:1997), as appropriate.

Note 3. See clause 10 item b), for marking requirements.

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Table 52

Inside diameters of gaskets specifically for use with pipes and fittings complying with EN 545, EN 598 and EN 969 (Table 10 in EN1514 –1:1997)		
DN	Gasket inside diameter mm	Gasket inside diameter - mm
350	368	368
400	420	420
450	470	470
500	520	520
600	620	620
700	720	720
800	820	820
900	920	920
1000	1025	1025
1100	1125	1125
1200	1225	1225
1400	1430	1430
1500	1535	1535
1600	1635	1635
1800	1840	1840
2000	2040	2040

Clause 10 – Marking

Gaskets shall be identified individually or on the packaging containing the gasket(s) with the following information:

- the number and part of this European Standard, i.e. EN 1514 –1;
- 'S' if suitable for use only for pipes and fittings complying with EN 545, en 598 and EN 969 (see clause 9);
- gasket type designation (see 4.3);
- DN followed by the appropriate number (see tables 3 to 9);
- PN designation (see table 1);
- Thickness (see clause 8.1);
- Material(s) (see clause 5 and annex c);
- Manufacturers name or trademark.

Example 1.

EN 1514 -1, Type IBC, DN 300, PN10, 2mm, expanded graphite, AAA/BBB.

Example 2.

EN 1514 -4, S, Type IBC, DN 300, PN10, 3mm, rubber with fabric insertion, AAA/BBB.