



**R1 85 00 01 Tata Steel
Technical Directive
Gasket specifications**

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Graphite gasket rings with a steel (16 Mo 3) inner ring, thickness 2 mm,

1.1 Material:

Graphite gasket ring reinforced with a steel inner ring for flange connections in accordance with EN 1092-1, PN 10 to 25

1.2 Medium:

Please consult 'Technical Directive R1 85 01 01 - gasket assortment and applications' for Medium, Application, Description, Materials and Standards.

1.3 Dimensions in mm:

DN	DN (inches)	external x internal diameter	PN	article no. 000000.
900	36	915 x 1017	10	605.5
900	36	915 x 1011	16	606.3
900	36	915 x 1042	25	607.4
1000	40	1016 x 1124	10	610.4
1000	40	1016 x 1128	16	611.0
1000	40	1016 x 1154	25	612.1
1200	48	1220 x 1341	10	616.8
1200	48	1220 x 1342	16	617.9
1400	56	1420 x 1548	10	621.4
1400	56	1420 x 1542	16	622.8
1600	64	1620 x 1772	10	627.1
1600	64	1620 x 1764	16	628.9
1800	72	1820 x 1972	10	633.0
1800	72	1820 x 1964	16	634.3
2000	80	2020 x 2182	10	638.2
2000	80	2020 x 2168	16	639.4
2200	84	2220 x 2384	10	654.6
2400	96	2420 x 2594	10	649.0
2600	104	2620 x 2794	10	653.5
2800	112	2820 x 3014	10	657.8
3000	120	3020 x 3228	10	660.1

Graphite gasket rings for DIN flange connections PN 10 to 40

2.1 Material:

Graphite gasket rings - nail gusset, thickness 2 mm.

2.2 Medium:

Please consult 'Technical Directive R1 85 01 01 - gasket assortment and applications' for Medium, Application, Description, Materials and Standards.

2.3` Dimensions in mm for DIN 2501 - PN 10 to PN 40 flange connections

DN	DN (inches)	PN	external diam.	internal 000000.	article no.
10	3/8	10 to 40	46 x 18	231.0	
15	1/2	10 to 40	51 x 22	233.2	
20	3/4	10 to 40	61 x 27	235.7	
25	1	10 to 40	71 x 34	237.6	
32	1 1/4	10 to 40	82 x 43	239.3	
40	1 1/2 ^{1/2}	10 to 40	92 x 49	241.7	
50	2	10 to 40	107 x 61	243.4	
65	2 1/2	10 to 40	127 x 77	245.8	
80	3	10 to 40	142 x 89	247.9	
100	4	10 and 16	162 x 115	249.2	
100	4	25 and 40	168 x 115	250.9	
125	5	10 and 16	192 x 141	252.4	
125	5	25 and 40	194 x 141	253.6	
150	6	10 and 16	218 x 169	255.3	
150	6	25 and 40	224 x 169	256.2	
200	8	10 and 16	273 x 220	258.8	
200	8	25	284 x 220	259.1	
200	8	40	290 x 220	260.7	
250	10	10	328 x 273	262.9	
250	10	16	329 x 273	263.0	
250	10	25	340 x 273	264.3	
250	10	40	352 x 273	265.1	

2.3) cont.

DN	DN (inches)	PN	external x internal diam.	article no. 000000.
300	12	10	378 x 324	267.5
300	12	16	384 x 324	268.2
300	12	25	400 x 324	269.4
300	12	40	417 x 324	270.6
350	14	10	438 x 356	296.7
350	14	16	444 x 356	297.8
350	14	25	457 x 356	298.0
350	14	40	474 x 356	299.0
400	16	10	489 x 407	272.2
400	16	16	495 x 407	273.1
400	16	25	514 x 407	274.0
400	16	40	546 x 407	275.5
450	18	10	539 x 458	300.1
450	18	16	555 x 458	301.2
450	18	25	564 x 458	302.3
450	18	40	571 x 458	303.4
500	20	10	594 x 508	277.4
500	20	16	617 x 508	278.7
500	20	25	624 x 508	279.8
500	20	40	628 x 508	280.2
600	24	10	695 x 610	282.8
600	24	16	734 x 610	283.3
600	24	25	731 x 610	284.6
600	24	40	747 x 610	285.0
700	28	10	810 x 712	287.1
700	28	16	804 x 712	288.9
700	28	25	833 x 712	289.5
800	32	10	917 x 813	292.3
800	32	16	911 x 813	293.8
800	32	25	942 x 813	294.4

NBR gasket rings with inlay, thickness 3 mm.

3.1 Material:

NBR gasket rings for PN 10 and 16 flange connections

3.2 Medium:

Please consult 'Technical Directive R1 85 01 01 - gasket assortment and applications' for Medium, Application, Description, Materials and Standards.

3.3 Dimensions in mm and mass in kg/piece:

DN	DN (inches)	PN	external x internal diam.	852282. article no.
15	1/2	10 to 40	51 x 22	088.8
20	3/4		61 x 27	117.8
25	1		71 x 34	172.2
32	1 1/2		82 x 43	230.7
40	1 1/2		92 x 49	272.0
50	2		107 x 61	365.6
65	2 1/2		127 x 77	464.5
80	3	10 to 40-	142 x 89	540.5
100	4	10 and 16	162 x 115	621.7
125	5		192 x 141	693.5
150	6	10 and 16	218 x 169	784.8
200	8	10	273 x 220	888.0
250	10	10	329 x 273	923.2
300	12		384 x 324	953.3
350	14		444 x 356	961.9
400	16		495 x 407	968.7
450	18		555 x 458	989.1
500	20		617 x 508	978.6
600	24		734 x 610	984.3
700	28		804 x 712	985.6
800	32		911 x 813	986.5
900	36		1011 x 915	987.8
1000	40	10	1124 x 1016	988.0

Spiral wound gasket rings with centring and inner ring

4.1 Material:

1. 4404 filled with graphite, for flange connections in accordance with EN 1092-1, PN 10 to 40.

Dimensions in accordance with EN 1514-2.

4.2 Medium:

Please consult 'Technical Directive R1 85 01 01 - gasket assortment and applications' for Medium, Application, Description, Materials and Standards.

4.3 Dimensions in mm:

DN	DN (inches)	= A =	= B =	= C =		= D =	for PN		article no.	
						10	16	25	40 850001.	
10	3/8	15	23.6	36.4				48	001.2	
15	1/2	19	27.6	40.4				53	002.3	
20	3/4	24	33.6	47.4				63	003.4	
25	1	30	40.6	55.4				73	004.5	
32	1 1/4	39	49.6	66.4				84	005.6	
40	1 1/2	45	55.6	72.4				94	006.7	
50	2	56	67.6	86.4				109	007.8	
65	2 1/2	72	83.5	103.4				129	008.9	
80	3	84	96.6	117.4				144	009.0	
100	4	108	122.6	144.4		164	164	---	---	010.1
100	4	108	122.6	144.4		---	---	170	170	011.2
125	5	133	147.6	170.4		194	194	---	---	012.3
125	5	133	147.6	170.4		---	---	196	196	013.4
150	6	150	176.6	200.4		220	220	---	---	014.5
150	6	150	176.6	200.4		---	---	226	226	015.6

DN	DN (inches)	= A =	= B =	= C =		= D =	for PN		article no.
						10	16	25	40 850001.
150	6	150	176.6	200.4		220	220	---	--- 014.5
150	6	150	176.6	200.4		---	---	226	226 015.6
200	8	209	228.6	255.4		275	275	---	--- 016.7
200	8	209	228.6	255.4		---	---	286	--- 017.8
200	8	209	228.6	255.4		---	---	---	293 018.9
250	10	262	282.4	310.4		330	---	---	--- 019.0
250	10	262	282.4	319.4		---	331	---	--- 020.1
250	10	262	282.4	319.4		---	---	343	--- 021.2
250	10	262	282.4	319.4		---	===	---	355 022.3
300	12	311	331.6	360.4		380	---	---	--- 023.4
300	12	311	331.6	360.4		---	386	---	--- 024.5
300	12	311	331.6	360.4		---	---	403	--- 025.6
300	12	311	331.6	360.4		---	---	---	420 026.7

= A = inner ring / internal diameter | = B = sealing element / internal diameter

= C = sealing element / external diameter | = D = centring ring / internal diameter

PTFE gasket rings with stainless steel inlay.

5.1 Material:

PTFE, with a perforated 0.5 mm thick stainless steel reinforcement layer, material no. 1.4306 or AISI 304.

5.2 Medium:

Please consult 'Technical Directive R1 85 01 01 - gasket assortment and applications' for Medium, Application, Description, Materials and Standards.

5.3 Dimensions:

DN	DN (inches)	PN	external x internal diam.	article no. 000000.
10	3/8	10 and 16	46 x 18	564.7
15	1/2	,,	51 x 22	566.2
20	3/4	,,	61 x 27	568.8
25	1	,,	71 x 34	570.2
32	1 1/4	,,	82 x 43	572.8
40	1 1/2	,,	92 x 49	574.6
50	2	,,	107 x 61	576.7
65	2 1/2	10 and 16	127 x 77	578.9
80	3	10	142 x 89	580.8
100	4	10	162 x 115	582.5
125	5	10	192 x 141	585.6
150	6	10	218 x 169	588.4
200	8	10 and 16	273 x 220	591.2
250	10	10	328 x 273	595.4
300	12	10	378 x 324	600.6
400	16	10	489 x 407	029.0
500	20	10	594 x 508	034.7
600	24	10	695 x 610	038.8
700	28	10	810 x 712	043.9
800	32	10	917 x 813	048.1
900	36	10	1017 x 915	053.0
1000	40	10	1124 x 1016	058.2

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DECLARATION

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New document

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