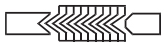
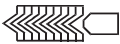


Spiral Wound Gaskets

Spiral Wound Gaskets are one of the most commonly used metal gaskets. They are extremely versatile and offer an excellent seal in a wide variety of applications. The spiral wound is manufactured by wrapping alternating layers of thin stainless steel and a soft gasket filler material such as graphite or PTFE. The V-shaped profile of the gasket provides resilience and a "spring like" characteristic that enhances the performance of the gasket.

Profile	Cross Section
LG-13	
LG-13-IR	
LG-11	
LG-11-IR	

Leader Gasket manufactures spiral wound gaskets in the full range of metal alloys and fillers. The company manufactures strictly to the standards as set forth by ASME B16.20 (formerly API 601) and DIN Standard. Large diameter gaskets (up to 2,5 meters), standard dimensions, as well as special shapes and sizes are all available. Color coding is standard for the spiral wound gaskets made by Leader Gasket (see the table of alloys and color codes in this section). The following descriptions present the standard profiles of spiral wound gaskets offered by Leader Gasket.

LG-13 The LG-13 is the most common profile of spiral wound gasket and used

extensively in ANSI B 16.5 flanges. The gasket consist of a metal guide ring (or sometimes referred to as a centering ring) and a spiral wound sealing element. This profile is normally used in raised and flat faced flanges. The outer ring is often made of carbon steel (painted or zinc plated to prevent rusting) but can be made of alloys for higher temperature and more severe medium applications.

LG-13-IR This gasket is identical to the LG-13, however an inner ring has been inserted to enhance gasket performance. The inner ring is added to prevent the possibility of the gasket imploding into the pipe during installation, to protect the sealing element from extreme

Gasket Factor and Design Seating Stress Table

	Types of Spiral Wound Gaskets	
	Single Sided Enclosed (LG-11 in M/F, LG-13)	Double Sided Enclosure (LG-13-IR, LG-11-IR, LG-11 in T/G)
Profiles 11, 11-IR, 13 and 13-IR		
Gasket factor m	3.00	3.00
Seating Stress Y (psi)	10 000	10 000

temperatures and mediums, and to reduce the possibility of failure. The inner ring is normally made of the same alloy as in the winding. The DIN standard (German) specifies inner rings in all spiral wound gaskets. Inner rings are considered important in gaskets using PTFE and graphite as the filler material. This profile is normally used in raised and flat faced flanges.

LG-11 This style of gasket consist of the winding/sealing element only. It has no guide ring (centering ring) or inner ring. It is most commonly used in tongue and groove and male/female flanges.

LG-11-IR This gasket is similar to the LG-11 however it has an inner ring. It's application is similar to the LG-11.

LG-14 This gasket is a windings only (as in the LG-11) but are manufactured for manholes and handholes. These gaskets come in shapes such as shown below.

 Round	 Oval	 Obround
 Diamond	 Square	 Rectangle

LG-13-HE This gasket is a spiral wound gasket with ribs/bars inserted. The bars can be a metal jacketed style gasket, solid metal with covers, or camprofile. These gaskets are used primarily for heat exchangers. The ribs can be any configuration (please see section 3 Jacketed Gaskets for a table of configurations). The metal used for the ribs normally matches the winding.

LG-11-HE This gasket is the same as the LG-13-HE, however without the outer ring.

Standard Thicknesses

Leader Gasket offers gaskets in a number of thinknesses. The standard LG-13, LG-13-IR, and LG-11-IR has inner and/or outer rings 3.0 mm thick and a winding of 4.5 mm. These gaskets can also be produced with inner and outer rings having a thickness of 2.0 mm and a winding of 3.2 mm. For LG-11's, the available thicknesses are 2.5, 3.2, 4.5, 6.4, and 7.2 mm.

Available Fillers

The fillers available for spiral wound gaskets include graphite, PTFE, non-asbestos, and ceramic.

Graphite This filler is the most versatile filler offered. It can be used in almost all applications and temperatures save certain fuming acids. Leader Gasket uses only quality graphite from the market leaders in the United States and Europe.

PTFE This filler is used in applications where graphite is not acceptable. It is common with acids and other corrosive mediums.

Non-asbestos This filler's use surged when the health problems with asbestos became known. It is however only recommended for low temperature less severe applications due to the rubber content.

Ceramic Ceramic fibers are used as a filler in extremely high temperature applications. This filler is not so common as it cannot achieve the same leak tightness as graphite.

Leader Gasket

Section 01

Available Alloys

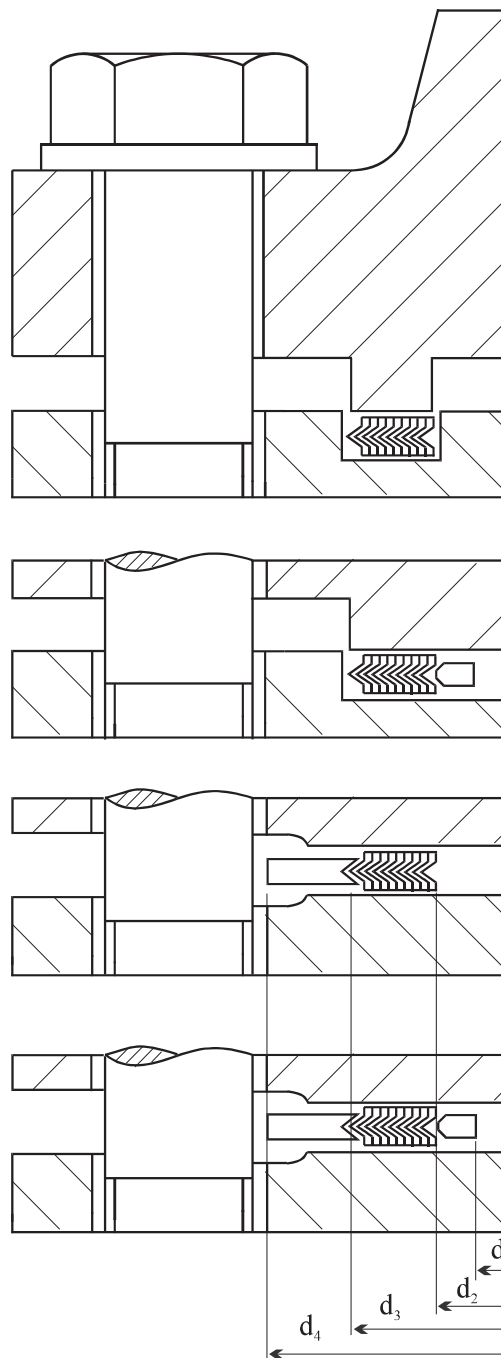
Leader Gasket offers spiral wound gaskets made from the common alloys. The table below presents the alloys available (in both ANSI and DIN nomenclature) and the standard color coding.

AISI	DIN	Color
304	1.4301	Yellow
316L	1.4404	Green
316Ti	1.4571	Green
321	1.4541	Turquoise
Carbon Steel	St37	Silver
Alloy 20	—	Black
Incoloy 800	1.4876	White
Hastelloy B	2.4615	Brown
Hastelloy C	2.4819	Beige
Inconel 600	2.4816	Gold
Monel 400	2.4360	Orange
Incoloy 825	2.4858	White
Titanium	3.7025	Purple

Dimensions

The following table and the side figure show the dimensions required to specify a spiral wound gasket.

Profile	Dimensions Required	Total Number
LG-13	d2, d3, & d4	3
LG-13-IR	d1, d2, d3 & d4	4
LG-11	d2 & d3	2
LG-11-IR	d1, d2 & d3	3



Calculation coefficients according DIN 2505

Profile	Material	$K_0 * K_D$ [N/mm]	K_1 [mm]	R_z [um]
LG-13	C - steel, Cr - steel CrNi - steel, Monel Titan	50 b_0	1,3 b_0	12,5 to 25
LG-13-IR				
LG-11				
LG-11 IR				

Rz - recommended max. peak - to - valey height - flange roughness

Ordering Information

In addition to dimensions, the following information is required when placing an order with Leader Gasket for spiral wound gaskets.

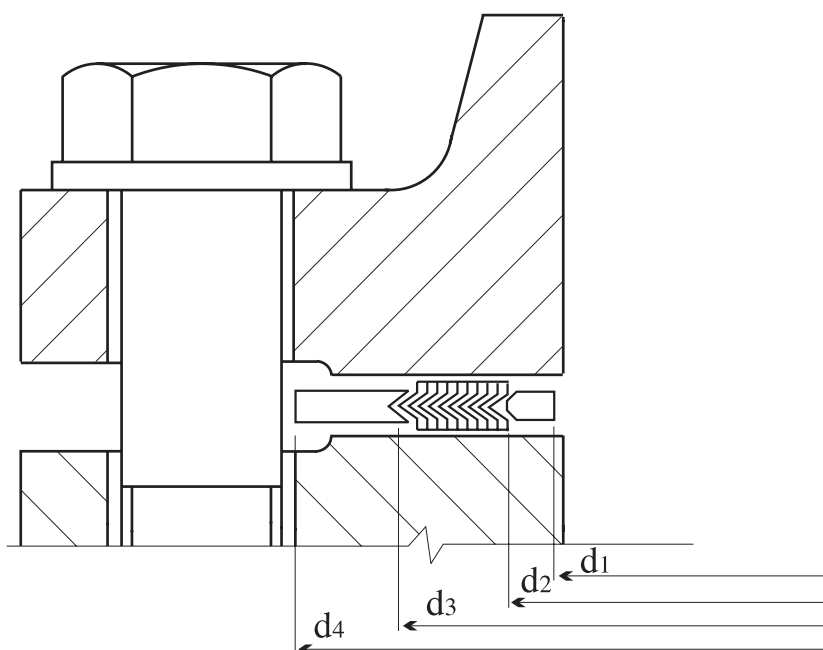
- 1) Profile type
- 2) Material of the outer ring (centering ring)
- 3) Type of steel for the winding
- 4) Filler material
- 5) Type of steel for the inner ring
- 6) Size (either standard or special)
- 7) Thickness of the gasket/sealing element

Leader Gasket

Section 01

Dimension Table 1.01

To ASME B 16.20 for Raised Faced Flanges per ASME B16.5
Profiles: LG-13 and LG-13-IR

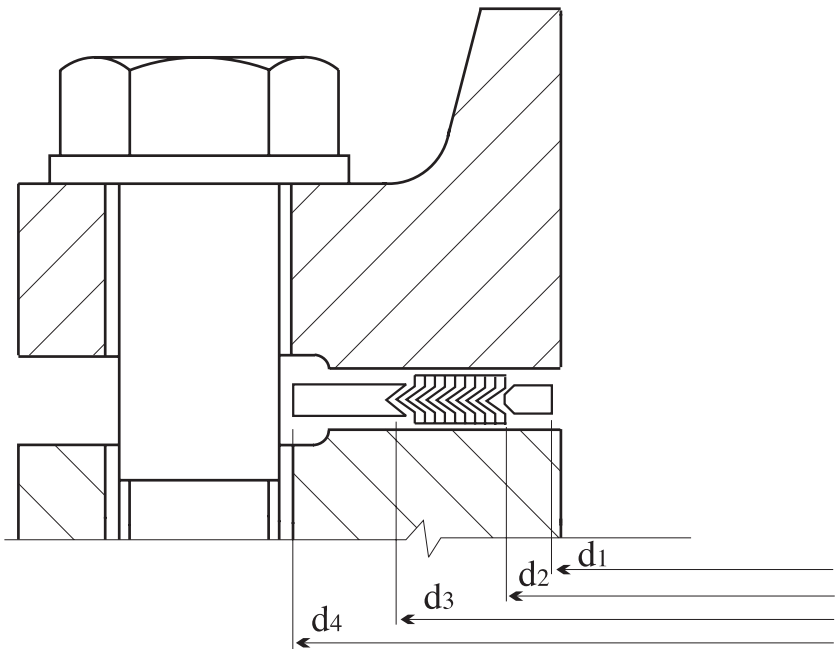


Dimensions in mm

DN (in.)	d ₁					d ₂				d ₃		d ₄							
	150 - 300	400 - 600	900	1500	2500	150 - 300	400 - 600	900	1500 - 2500	150 - 600	900 - 2500	150	300	400	600	900	1500	2500	
1/2	14,3	14,3	14,3	14,3	14,3	19,0	19,0	-	19,0	31,8	31,8	47,6	54,0	54,0	54,0	63,5	63,5	69,9	
3/4	20,6	20,6	20,6	20,6	20,6	25,4	25,4	-	25,4	39,7	39,7	57,2	66,7	66,7	66,7	69,9	69,9	76,2	
1	27,0	27,0	27,0	27,0	27,0	31,8	31,8	-	31,8	47,6	47,6	66,7	73,0	73,0	73,0	79,4	79,4	85,7	
1 1/4	38,1	38,1	-	33,3	33,3	47,6	47,6	-	39,7	60,3	60,3	76,2	82,6	82,6	82,6	88,9	88,9	104,8	
1 1/2	44,5	44,5	-	41,3	41,3	54,0	54,0	-	47,7	69,9	69,9	85,7	95,3	95,3	95,3	98,4	98,4	117,5	
2	55,6	55,6	-	52,4	52,4	69,9	69,9	-	58,7	85,7	85,7	104,8	111,1	111,1	111,1	142,9	142,9	146,0	
2 1/2	66,7	66,7	-	63,5	63,5	82,6	82,6	-	69,9	98,4	98,4	123,8	130,2	130,2	130,2	165,1	165,1	168,3	
3	81,0	81,0	81,0	81,0	81,0	101,6	101,6	95,3	92,1	120,7	120,7	136,5	149,2	149,2	149,2	168,3	174,6	196,9	
4	106,4	106,4	106,4	106,4	106,4	127,0	120,7	120,7	117,5	149,2	149,2	174,6	181,0	177,8	193,7	206,4	209,6	235,0	
5	131,8	131,8	131,8	131,8	131,8	155,6	147,6	147,6	142,9	177,8	177,8	196,9	215,9	212,7	241,3	247,7	254,0	279,4	
6	157,2	157,2	157,2	157,2	157,2	182,6	174,6	174,6	171,5	209,6	209,6	222,3	250,8	247,7	266,7	288,9	282,6	317,5	
8	215,9	209,6	209,6	206,4	200,0	233,4	225,4	222,3	215,9	263,5	257,2	279,4	308,0	304,8	320,7	358,8	352,4	387,4	
10	268,3	260,4	260,4	258,0	247,7	287,4	274,6	276,3	269,9	317,5	311,2	339,7	362,0	358,8	400,0	435,0	435,0	476,3	
12	317,5	317,5	314,3	314,3	292,1	339,7	327,0	323,9	323,9	374,7	368,3	409,6	422,3	419,1	457,2	498,5	520,7	549,3	
14	349,3	349,3	342,9	339,7	-	371,5	362,0	355,6	362,0	406,4	400,0	450,9	485,8	482,6	492,1	520,7	577,9	-	
16	400,1	400,1	393,7	387,4	-	422,3	412,8	412,8	406,4	463,6	457,2	514,4	539,8	536,6	565,2	574,7	641,4	-	
18	449,3	449,3	444,5	438,2	-	474,7	469,9	463,6	463,6	527,0	520,7	549,3	596,9	593,7	612,8	638,2	704,9	-	
20	500,1	500,1	495,3	489,0	-	525,5	520,7	520,7	514,4	577,9	571,5	606,4	654,0	647,7	682,6	698,5	755,7	-	
24	603,3	603,3	603,3	577,9	-	628,7	628,7	628,7	616,0	685,8	679,5	717,6	774,7	768,4	790,6	838,2	901,7	-	

Dimension Table 1.02

For Raised Faced Flanges DIN Flanges DN 10 to DN 800
Profiles: LG-13 and LG-13-IR



Dimensions in mm

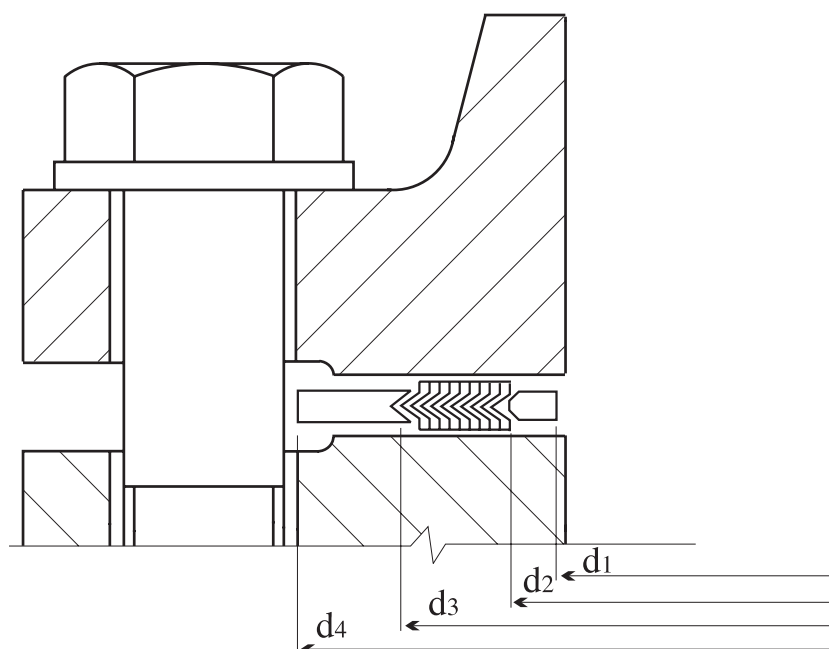
PN	d ₁	d ₂	d ₃		d ₄								
	10-320	10-320	10-40	64-320	10	16	25	40	64	100	160	250	320
DN 10	18	24	36	36	46	46	46	46	56	56	56	67	67
15	22	28	40	40	51	51	51	51	61	61	61	72	72
20	27	33	47	47	61	61	61	61	-	-	-	-	-
25	34	40	54	54	71	71	71	71	82	82	82	83	92
32	43	49	65	65	82	82	82	82	-	-	-	-	-
40	48	54	70	70	92	92	92	92	103	103	103	109	119
50	57	66	84	84	107	107	107	107	113	119	119	124	134
65	73	82	102	104	127	127	127	127	137	143	143	153	170
80	86	95	115	119	142	142	142	142	148	154	154	170	190
100	108	120	140	144	162	162	168	168	174	180	180	202	229
125	134	146	168	172	192	192	194	194	210	217	217	242	274
150	162	174	196	200	217	217	224	224	247	257	257	284	311
175	183	195	221	227	247	247	254	265	277	287	284	316	358
200	213	225	251	257	272	272	284	290	309	324	324	358	398
250	267	279	307	315	327	328	340	352	364	391	388	442	488
300	318	330	358	366	377	383	400	417	424	458	458	538	-
350	363	375	405	413	437	443	457	474	486	512	-	-	-
400	414	426	458	466	488	495	514	546	543	572	-	-	-
500	518	530	566	574	593	617	624	628	657	704	-	-	-
600	618	630	666	674	695	734	731	747	764	813	-	-	-
700	718	730	770	778	810	804	833	852	879	950	-	-	-
800	818	830	874	882	917	911	942	974	988	-	-	-	-

Leader Gasket

Section 01

Dimension Table 1.03

For (API 605) Raised Faced Flanges per ASME B16.47 series B
Profiles: LG-13 and LG-13-IR

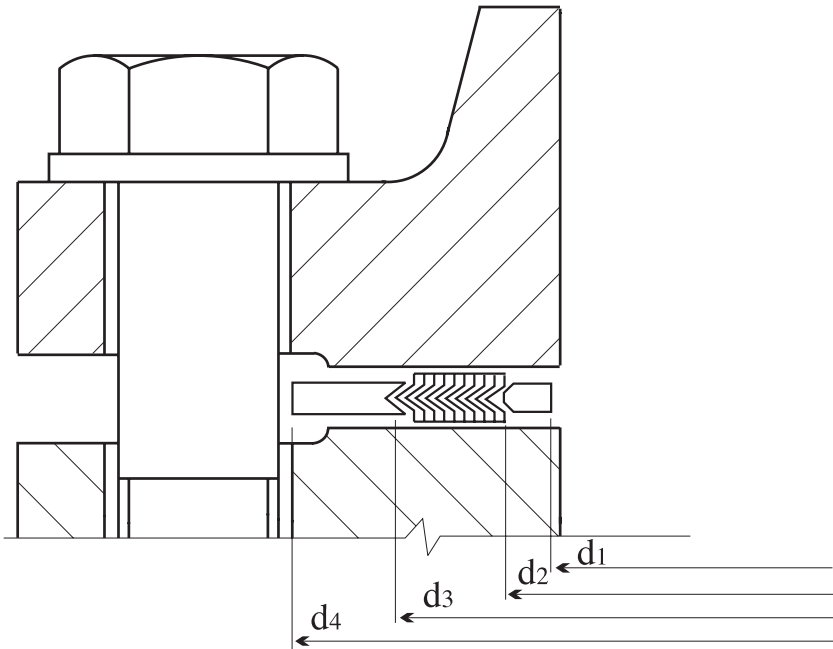


Dimensions in mm

DN (in.)	d ₁					d ₂					d ₃					d ₄				
	(psi) 150	300	400	600	900	(psi) 150	300	400	600	900	(psi) 150	300	400	600	900	(psi) 150	300	400	600	900
26	654,1	654,1	654,1	644,7	673,1	673,1	673,1	666,8	663,7	692,2	698,5	711,2	698,5	714,5	749,3	725,4	771,7	746,3	765,3	838,2
28	704,9	704,9	701,8	692,2	723,9	723,9	723,9	714,5	704,9	743,0	749,3	762,0	749,3	755,7	800,1	776,2	825,5	800,1	819,2	901,7
30	755,7	755,7	752,6	752,6	787,4	774,7	774,7	765,3	778,0	806,5	800,1	812,8	806,5	828,8	857,3	827,0	886,0	857,3	879,6	958,9
32	806,5	806,5	800,1	793,8	838,2	825,5	825,5	812,8	831,9	863,6	850,9	863,6	860,6	882,7	914,4	881,1	939,8	911,4	933,5	1016,0
34	857,3	857,3	850,9	850,9	895,4	876,3	876,3	866,9	889,0	920,8	908,1	914,4	911,4	939,8	971,6	935,0	993,9	962,2	997,0	1073,2
36	908,1	908,1	898,7	901,7	927,1	927,1	927,1	917,7	939,8	946,2	958,9	965,2	965,2	990,6	997,0	987,6	1047,8	1022,4	1047,8	1124,0
38	958,9	971,6	952,5	952,5	1009,7	974,6	1009,7	971,6	990,6	1035,1	1009,7	1047,8	1022,4	1041,4	1085,9	1044,7	1098,6	1073,2	1104,9	1200,2
40	1009,7	1022,4	1000,3	1009,7	1060,5	1022,4	1060,5	1025,7	1047,8	1098,6	1063,8	1098,6	1076,5	1098,6	1149,4	1095,5	1149,4	1127,3	1155,7	1251,0
42	1060,5	1054,1	1051,1	1066,8	1111,3	1079,5	1079,5	1076,5	1104,9	1149,4	1114,6	1117,6	1127,3	1155,7	1200,2	1146,3	1200,2	1178,1	1219,2	1301,8
44	1111,3	1124,0	1104,9	1111,3	1155,7	1124,0	1162,1	1130,3	1162,1	1206,5	1165,4	1200,2	1181,1	1212,9	1257,3	1197,1	1251,0	1231,9	1270,0	1368,6
46	1162,1	1178,1	1168,4	1162,1	1219,2	1181,1	1216,2	1193,8	1212,9	1270,0	1224,0	1254,3	1244,6	1263,7	1320,8	1255,8	1317,8	1289,1	1327,2	1435,1
48	1212,9	1200,2	1206,5	1219,2	1270,0	1231,9	1231,9	1244,6	1270,0	1320,8	1270,0	1270,0	1295,4	1320,8	1371,6	1306,6	1368,6	1346,2	1390,7	1485,9
50	1263,7	1267,0	1257,3	1270,0	-	1282,7	1317,8	1295,4	1320,8	-	1325,6	1355,9	1346,2	1371,6	-	1357,4	1419,4	1403,4	1447,8	-
52	1314,5	1317,8	1308,1	1320,8	-	1333,5	1368,6	1346,2	1371,6	-	1376,4	1406,7	1397,0	1422,4	-	1408,2	1470,2	1454,2	1498,6	-
54	1365,3	1346,2	1352,6	1378,0	-	1384,3	1384,3	1403,4	1428,8	-	1422,4	1422,4	1454,2	1479,6	-	1463,8	1530,4	1517,7	1555,8	-
56	1412,7	1428,8	1403,4	1428,8	-	1435,1	1479,6	1454,2	1479,6	-	1472,2	1524,0	1505,0	1530,4	-	1514,6	1593,9	1568,5	1612,9	-
58	1463,5	1484,4	1454,2	1473,2	-	1485,9	1535,2	1505,0	1536,7	-	1522,5	1573,3	1555,8	1587,5	-	1579,6	1655,8	1619,3	1663,7	-
60	1514,3	1505,0	1517,7	1530,4	-	1536,7	1536,7	1568,5	1593,9	-	1573,3	1574,8	1619,3	1644,7	-	1630,4	1706,6	1682,8	1733,6	-

Dimension Table 1.04

For (MSS SP44) Raised Faced Flanges per ASME B16.47 series A
Profiles: LG-13 and LG-13-IR



Dimensions in mm

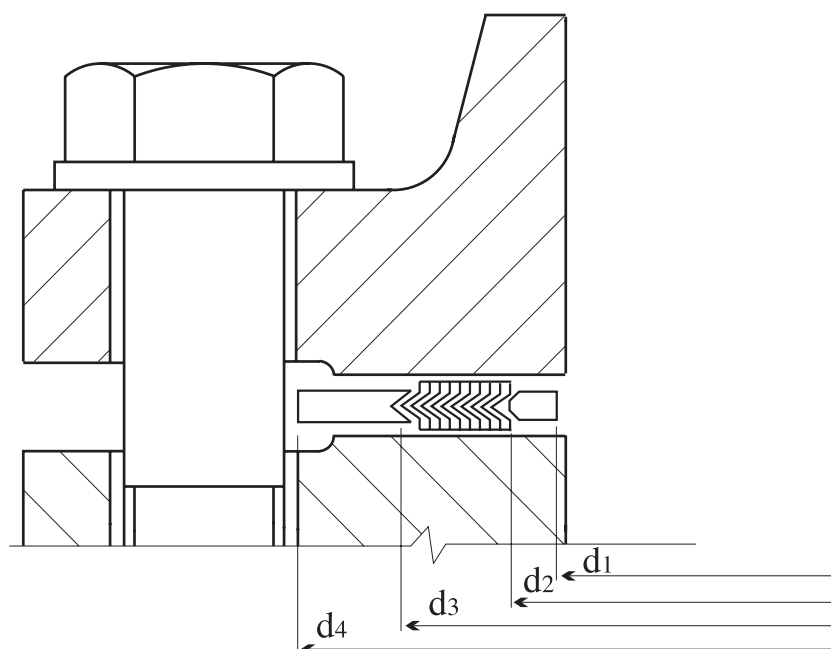
DN (in.)	d ₁					d ₂					d ₃					d ₄				
	150	300	400	600	900	150	300	400	600	900	150	300	400	600	900	150	300	400	600	900
26	654,1	654,1	660,4	647,7	666,8	673,1	685,8	685,8	685,8	685,8	704,9	736,6	736,6	736,6	736,6	774,7	835,2	831,9	866,9	882,7
28	704,9	704,9	711,2	698,5	711,2	723,9	736,6	736,6	736,6	736,6	755,7	787,4	787,4	787,4	787,4	831,9	898,7	892,3	914,4	946,2
30	755,7	755,7	755,7	755,7	774,7	774,7	793,8	793,8	793,8	793,8	806,5	844,6	844,6	844,6	844,6	882,7	952,5	946,2	971,6	1009,7
32	806,5	806,5	812,8	812,8	812,8	825,5	850,9	850,9	850,9	850,9	860,6	901,7	901,7	901,7	901,7	939,8	1006,6	1003,3	1022,4	1073,2
34	857,3	857,3	863,6	863,6	863,6	876,6	901,7	901,7	901,7	901,7	911,4	952,5	952,5	952,5	952,5	990,6	1057,4	1054,1	1073,2	1136,7
36	908,1	908,1	917,7	917,7	920,8	927,1	955,8	955,8	955,8	958,9	968,5	1006,6	1006,6	1006,6	1009,7	1047,8	1117,6	1117,6	1130,3	1200,2
38	958,9	952,5	952,5	952,5	1009,7	977,9	977,9	971,6	990,6	1035,1	1019,3	1016,0	1022,4	1041,4	1085,9	1111,3	1054,1	1073,2	1104,9	1200,2
40	1009,7	1003,3	1000,3	1009,7	1060,5	1028,7	1022,4	1025,7	1047,8	1098,6	1070,1	1070,1	1076,5	1098,6	1149,4	1162,1	1114,6	1127,3	1155,7	1251,0
42	1060,5	1054,1	1051,1	1066,8	1111,3	1079,5	1073,2	1076,5	1104,9	1149,4	1124,0	1120,9	1127,3	1155,7	1200,2	1219,2	1165,4	1178,1	1219,2	1301,8
44	1111,3	1104,9	1104,9	1111,3	1155,7	1130,3	1130,3	1130,3	1162,1	1206,5	1178,1	1181,1	1181,1	1212,9	1257,3	1276,4	1219,2	1231,9	1270,0	1368,6
46	1162,1	1152,6	1168,4	1162,1	1219,2	1181,1	1178,1	1193,8	1212,9	1270,0	1228,9	1228,9	1244,6	1263,7	1320,8	1327,2	1273,3	1289,1	1327,2	1435,1
48	1212,9	1209,8	1206,5	1219,2	1270,0	1231,9	1235,2	1244,6	1270,0	1320,8	1279,7	1286,0	1295,4	1320,8	1371,6	1384,3	1324,1	1346,2	1390,7	1485,9
50	1263,7	1244,6	1257,3	1270,0	-	1282,7	1295,4	1295,4	1320,8	-	1333,5	1346,2	1346,2	1371,6	-	1435,1	1378,0	1403,4	1447,8	-
52	1314,5	1320,8	1308,1	1320,8	-	1333,5	1346,2	1346,2	1371,6	-	1384,3	1397,0	1397,0	1422,4	-	1492,3	1428,8	1454,2	1498,6	-
54	1358,9	1352,6	1352,6	1378,0	-	1384,3	1403,4	1403,4	1428,8	-	1435,1	1454,2	1454,2	1479,6	-	1549,4	1492,3	1517,7	1555,8	-
56	1409,7	1403,4	1403,4	1428,8	-	1435,1	1454,2	1454,2	1479,6	-	1485,9	1505,0	1505,0	1530,4	-	1606,6	1543,1	1568,5	1612,9	-
58	1460,5	1447,8	1454,2	1473,2	-	1485,9	1511,3	1505,0	1536,7	-	1536,7	1562,1	1555,8	1587,5	-	1663,7	1593,9	1619,3	1663,7	-
60	1511,3	1524,0	1517,7	1530,4	-	1536,7	1562,1	1568,5	1593,9	-	1587,5	1612,9	1619,3	1644,7	-	1714,5	1644,7	1682,8	1733,6	-

Leader Gasket

Section 01

Dimension Table 1.05

For Raised Faced Flanges DIN Flanges DN 900 to DN 3000
Profiles: LG-13 and LG-13-IR



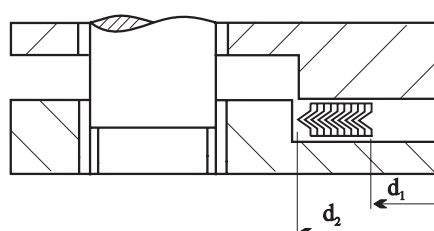
Dimensions in mm

PN	d ₁	d ₂	d ₃		d ₄				
	10-320	10-320	10-40	64-320	10	16	25	40	64
DN 900	910	930	974	982	1017	1011	1042	1084	1108
1000	1010	1030	1078	1086	1124	1128	1154	1194	1220
1200	1210	1230	1280	1290	1341	1342	1364	1398	1452
1400	1420	1450	1510	-	1548	1542	1578	1618	-
1600	1630	1660	1720	-	1772	1764	1798	1830	-
1800	1830	1860	1920	-	1972	1964	2000	-	-
2000	2020	2050	2120	-	2182	2168	2230	-	-
2200	2230	2260	2330	-	2384	2378	-	-	-
2400	2430	2460	2530	-	2594	-	-	-	-
2600	2630	2660	2730	-	2794	-	-	-	-
2800	2830	2860	2930	-	3014	-	-	-	-
3000	3030	3060	3130	-	3228	-	-	-	-

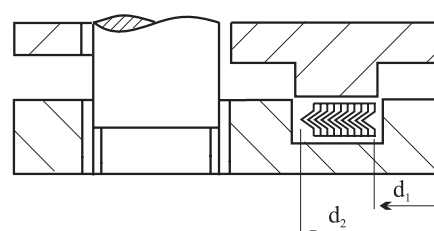
Dimension Table 1.06

For profiles LG-11, LG-23, LG-26, LG-29, and other jacketed gaskets

Male/female flanges
per DIN 2692 (PN 10-100)



Tongue/groove flanges
per DIN 2691 (PN 10-160)



Dimensions in mm

DN	d ₁	d ₂
10	18	34
15	22	39
20	28	50
25	35	57
32	43	65
40	49	75
50	61	87
65	77	109
80	90	120
100	115	149
125	141	175
150	169	203
175	195	233
200	220	259
250	274	312
300	325	363
350	368	421
400	420	473
500	520	575
600	620	675
700	720	777
800	820	882
900	920	987
1000	1020	1091

Dimensions in mm

DN	d ₁	d ₂
4-6	20	30
8	22	32
10	24	34
15	29	39
20	36	50
25	43	57
32	51	65
40	61	75
50	73	87
65	95	109
80	106	120
100	129	149
125	155	175
150	183	203
175	213	233
200	239	259
250	292	312
300	343	363
350	395	421
400	447	473
500	549	575
600	649	675
700	751	777
800	856	882
900	961	987
1000	1062	1092

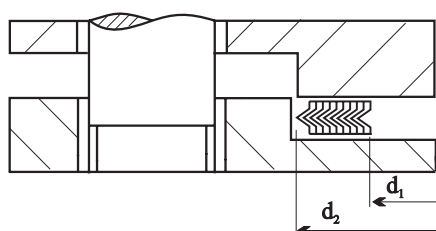
Leader Gasket

Section 01

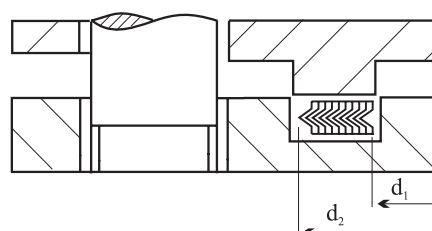
Dimension Table 1.07

For profiles LG-11, LG-23, LG-26, LG-29, and other jacketed gaskets

Male/female flanges
per ASME B16.21 (150-1500 lbs)



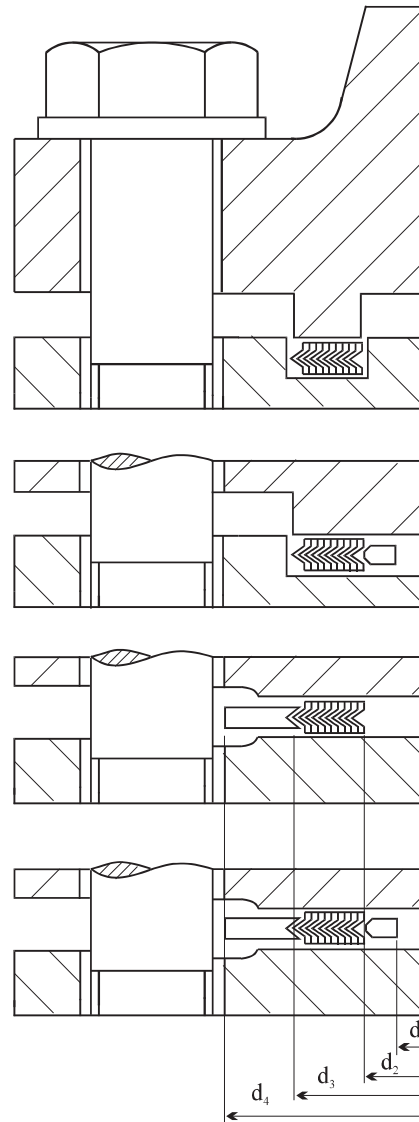
Tongue/groove flanges
per ASME B16.21 (150-1500 lbs)



DN (in.)	Narrow		Wide	
	d ₁	d ₂	d ₁	d ₂
1/2		18	21	35
3/4		24	27	43
1		30	33	51
1 1/4	As Specified by the User	38	42	64
1 1/2		44	48	73
2		57	60	92
2 1/2		68	73	105
3		84	89	127
3 1/2		97	102	140
4		110	114	157
5		137	141	186
6		162	168	216
8		213	219	270
10		267	273	324
12		318	324	381
14		349	356	413
16		400	406	470
18		451	457	535
20		502	510	585
24		603	610	690

DN (in.)		Narrow	Wide
	d ₁	d ₂	d ₂
1/2	25	35	35
3/4	33	43	43
1	38	48	51
1 1/4	48	57	64
1 1/2	54	64	73
2	73	83	92
2 1/2	86	95	105
3	108	118	127
3 1/2	121	130	140
4	132	145	157
5	160	173	186
6	190	203	216
8	238	254	270
10	286	305	324
12	343	362	381
14	375	394	413
16	425	448	470
18	489	511	535
20	535	559	585
22	591	616	641
24	640	667	690

Spiral Wound Gaskets - Tolerances



Size		Diameter	Diameter	Diameter	Thickness	Protrusion	
		d1, d2	d3	d4	s		
mm	inch	Tolerance	Tolerance	Tolerance		min.	max.
		mm	mm	mm	mm	mm	mm
Up to 600	Up to 24	+0,4/-0,4	+0,8/-0,8	+0/-0,4	2,5	0,1	0,2
600 to 800	24 to 32	+0,8/-0,8	+1,6/-1,6	+0/-1,6	3,2	0,1	0,2
800 to 1600	32 to 60	+1,2/-1,2	+1,6/-1,6	+0/-1,6	4,5	0,1	0,2
Over 1600	Over 60	+1,5/-1,5	+2,0/-2,0	+0/-2,0	7,2	0,3	0,5

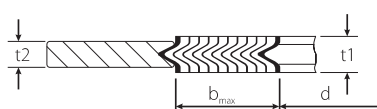
Profile steel strip „s“ - tolerance +0,3 mm

Leader Gasket

Section 01

Gaskets thickness before fitting/after fitting

Depending on the diameter, the spiral wound gasket is available in a variety of thicknesses. The table below specifies the thicknesses and the recommended optimum thickness after fitting.



t1 /mm/	d /mm/	b _{max} /mm/	t2 /mm/	Thickness after fitting /mm/
7.2	100 - 3600	33	5	5.3 - 5.6
6.4	200 - 1600	30	4	4.7 - 4.9
	1601 - 3000	28		
4.5	16 - 630	35	3.2 ⁽¹⁾	3.2 - 3.4
	631 - 1600	30		
	1601 - 3000	25		
3.2	16 - 630	25	2	2.3 - 2.5
	631 - 1500	20		
2.5	10 - 200	8	1,5 ⁽²⁾	1.8 - 2.0

Selection of gasket thickness

The spiralwound® is usually produced with a thickness of 4,5 mm. However, in some cases another thickness can be selected to obtain effective sealing.

The table below specifies which gasket thickness should be selected for certain applications.

Gasket thickness /mm/	Flange dimensions /mm/
6.4	nominal pipe diameters from Ø 1001 - Ø 3000 machine flanges from Ø 801 - Ø 3000
4.5	nominal pipe diameters up to Ø 1000 machine flanges up Ø 800
3.2	valve bonnets
2.5	nominal pipe diameters up to Ø 100