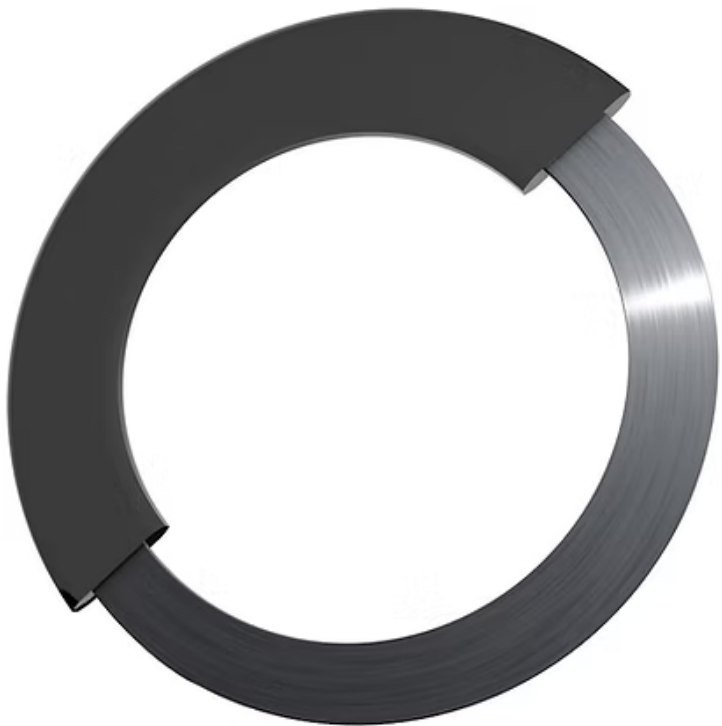




GASKONIX
ENGINEERING PVT. LTD.

RUBBER STEEL INSERT GASKET



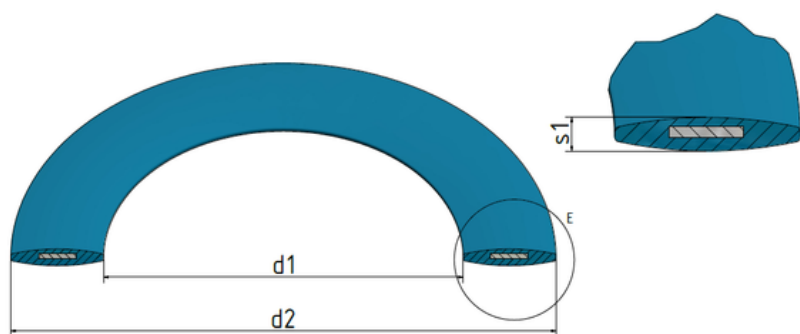
+91 93428 21979



info@gaskonix.com



www.gaskonix.com



G-SI BASIC

G-SI Basic – Rubber-steel gaskets Profile G-SI Basic Model

The rubber-steel gasket Profile G-SI Basic consists of a steel ring (1.0330) which is surrounded on all sides by rubber. The steel ring is therefore protected from corrosion and media. Vulcanisation guarantees a high level of adhesive strength between the rubber and the steel ring.

Material

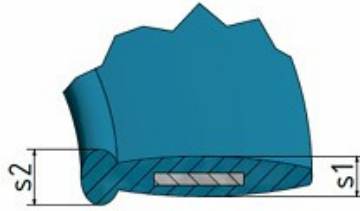
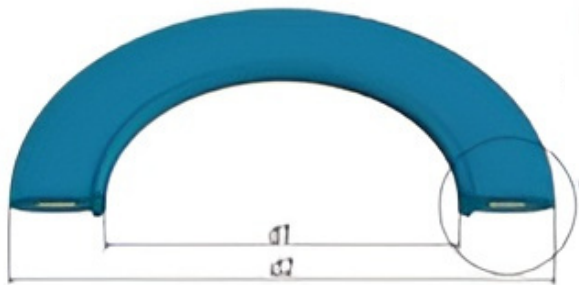
- »Sealing ring: EPDM (Peroxide cured/Sulphar cured)
- »Insert: St 37 galvanized, chromated or stainless steel

Operating range

- »Pressure: $p = 64 \text{ bar}$
- »Continuous operation: $t = -30 \text{ °C} \dots +120 \text{ °C}$
- »a few hours: $t = -30 \text{ °C} \dots +150 \text{ °C}$

Advantages

- »The outer ring (EPDM) can be reused after replacement
- »Uniform distribution of the surface pressure



G-SI-PI

G-SI-PI – Rubber–steel gaskets O-ring Profile

The rubber–steel gasket O-ring Profile G-SI-PI of a steel ring (1.0330) which is surrounded on all sides by rubber/O-ring. The steel ring is therefore protected from corrosion and media. Vulcanization guarantees a high level of adhesive strength between the rubber and the steel ring.

Material

- »Sealing ring: EPDM (Peroxide cured/Sulphar cured)
- »Insert: St 37 galvanized, chromated or stainless steel

Operating range

- »Pressure: $p = 64 \text{ bar}$
- »Continuous operation: $t = -30 \text{ }^{\circ}\text{C} \dots +120 \text{ }^{\circ}\text{C}$
- »a few hours: $t = -30 \text{ }^{\circ}\text{C} \dots +150 \text{ }^{\circ}\text{C}$

Advantages

- »The outer ring (EPDM) can be reused after replacement
- »Uniform distribution of the surface pressure



GASKONIX

ENGINEERING PVT. LTD.

G-SI-BASIC DIMENSION ACC TO EN 1514 - 1 & DIN 2690

Diameter Nominal	Nominal Pressure	Dimensions in mm				
DN	PN	d1	x	d2	x	S1/S2
15	10-40	22	x	51	x	3/4
20	6	27	x	64	x	3/4
20	10-40	27	x	61	x	3/4
25	10-40	34	x	71	x	3/4
32	6	43	x	76	x	3/4
32	10-40	43	x	82	x	3/4
40	10-40	49	x	92	x	4/5
50	6	61	x	96	x	4/5
50	10-40	61	x	107	x	4/5
65	6	77	x	116	x	4/5
65	10-40	77	x	127	x	4/5
80	10-40	89	x	142	x	4/5
100	6	115	x	152	x	5/6
100	10-16	115	x	162	x	5/6
100	25-40	115	x	168	x	5/6
125	6	141	x	182	x	5/6
125	10-16	141	x	192	x	5/6
125	25-40	141	x	194	x	5/6
150	6	169	x	207	x	6/8
150	10-16	169	x	218	x	6/8
150	25-40	169	x	224	x	6/8
200	6	220	x	262	x	6/8
200	10-16	220	x	273	x	6/8
200	25	220	x	284	x	6/8
200	40	220	x	290	x	6/8
250	6	273	x	317	x	6/8
250	10	273	x	328	x	6/8
250	16	273	x	329	x	6/8
250	25	273	x	340	x	6/8
250	40	273	x	352	x	6/8
300	6	324	x	373	x	6/8
300	10	324	x	378	x	6/8
300	16	324	x	384	x	6/8
300	25	324	x	400	x	6/8
300	40	324	x	417	x	6/8
350	10	356	x	438	x	7/10
350	16	356	x	444	x	7/10
400	10	407	x	489	x	7/10
400	16	407	x	495	z	7/10
450	10	458	x	539	x	7/10
450	16	458	x	555	x	7/10
500	10	508	x	594	x	7/10
500	16	508	x	617	x	7/10
600	10	610	x	695	x	7/10
600	16	610	x	734	x	7/10
700	10	712	x	810	x	8/11
700	16	712	x	804	x	8/11
800	10	813	x	917	x	8/11
800	16	813	x	911	x	8/11
900	10	915	x	1017	x	8/11
900	16	915	x	1011	x	8/11
1000	10	1016	x	1124	x	8/11
1000	16	1016	x	1128	x	8/11
1200	2,5	1220	x	1290	x	8/11
1200	6	1220	x	1307	x	8/11
1200	10	1220	x	1341	x	8/11
1200	16	1220	x	1342	x	8/11
1400	2,5	1420	x	1490	x	8/11

Diameter Nominal	Nominal Pressure	Dimensions in mm				
DN	PN	d1	x	d2	x	S1/S2
350	6	368	x	423	x	7/10
350	10	368	x	438	x	7/10
350	16	368	x	445	x	7/10
350	25	368	x	458	x	7/10
350	40	368	x	475	x	7/10
400	6	420	x	473	x	7/10
400	10	420	x	490	x	7/10
400	16	420	x	497	x	7/10
400	25	420	x	515	x	7/10
400	40	420	x	547	x	7/10
450	6	470	x	528	x	7/10
450	10	470	x	540	x	7/10
450	16	470	x	557	x	7/10
450	25	470	x	565	x	7/10
450	40	470	x	572	x	7/10
500	6	520	x	582	x	7/10
500	10	520	x	592	x	7/10
500	16	520	x	594	x	7/10
500	25	520	x	607	x	7/10
500	40	520	x	618	x	7/10
600	6	620	x	680	x	7/10
600	10	620	x	695	x	7/10
600	16	620	x	735	x	7/10
600	25	620	x	730	x	7/10
600	40	620	x	745	x	7/10
700	6	720	x	785	x	8/11
700	10	720	x	810	x	8/11
700	16	720	x	805	x	8/11
700	25	720	x	830	x	8/11
700	40	720	x	850	x	8/11
800	6	824	x	873	x	8/11
800	10	824	x	878	x	8/11
800	16	824	x	884	x	8/11
800	25	824	x	900	x	8/11
800	40	824	x	917	x	8/11
900	6	920	x	990	x	8/11
900	10	920	x	1015	x	8/11
900	16	920	x	1010	x	8/11
900	25	920	x	1040	z	8/11
900	40	920	x	1080	x	8/11
1000	6	1020	x	1090	x	8/11
1000	10	1020	x	1120	x	8/11
1000	16	1020	x	1125	x	8/11
1000	40	1020	x	1190	x	8/11
1100	10	1120	x	1215	x	8/11
1200			x	1285	x	8/11
1200	2,5	1220	x	1290	x	8/11
1200	6	1220	x	1307	x	8/11
1200	10	1220	x	1341	x	8/11
1200	16	1220	x	1342	x	8/11
1200	25	1220	x	1360	x	8/11
1200	40	1220	x	1395	x	8/11
1200		1380	x	1380	x	8/11
1400	2,5	1420	x	1490	x	8/11
1400	16	1454	x	1540	x	8/11



+91 93428 21979



info@gaskonix.com



www.gaskonix.com



G-SI-PI BASIC Dimensions acc to ASME B16.21 to suit ASME B16.5

DIAMETER NOKINAL	DIMENSIONS IN MM/ NOMINAL PRESSURE UPTO 150 lbs					DIMENSIONS IN MM/ NOMINAL PRESSURE UPTO 300lbs				
NPS	d1	x	d2	x	s1/s2	d1	x	d2	x	s1/s2
1/2"	21	x	45	x	3/4	20	x	51	x	3/4
3/4"	27	x	54	x	3/4	27	x	64	x	3/4
1"	33	x	64	x	3/4	33	x	70	x	3/4
1 1/4"	42	x	73	x	3/4	42	x	80	x	3/4
1 1/2"	48	x	83	x	3/4	48	x	92	x	3/4
2"	60	x	102	x	4/5	60	x	108	x	4/5
2 1/2"	73	x	121	x	4/5	73	x	127	x	4/5
3"	89	x	133	x	4/5	89	x	146	x	4/5
3 1/2"	102	x	159	x	4/5	102	x	162	x	4/5
4"	115	x	171	x	5/6	115	x	178	x	5/6
5"	140	x	193	x	5/6	140	x	213	x	5/6
6"	168	x	219	x	6/8	168	x	247	x	6/8
8"	219	x	276	x	6/8	219	x	305	x	6/8
10"	273	x	337	x	6/8	273	x	359	x	6/8
12"	325	x	406	x	6/8	325	x	419	x	6/8
14"	356	x	448	x	7/10	356	x	482	x	7/10
16"	406	x	512	x	7/10	406	x	537	x	7/10
18"	457	x	547	x	7/10	457	x	594	x	7/10
20"	508	x	604	x	7/10	508	x	651	x	7/10
24"	610	x	715	x	5.5/8	610	x	772	x	7/10

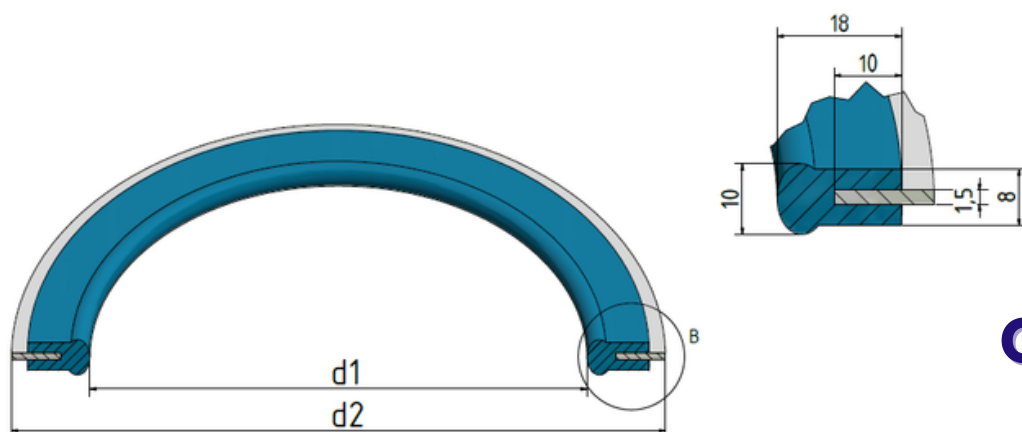
FOR ASME B 16.47 SERIES A FLANGES

DIAMETER NOKINAL	DIMENSIONS IN MM/ NOMINAL PRESSURE UPTO 150 lbs					DIMENSIONS IN MM/ NOMINAL PRESSURE UPTO 300lbs				
NPS	d1	X	d2	X	s1/s2	d1	X	d2	X	s1/s2
26"	665	X	771	X	7/10	665	X	832	X	7/10
28"	720	X	829	X	8/11	720	X	895	X	8/11
30"	770	X	880	X	8/11	770	X	849	X	8/11
32"	820	X	937	X	8/11	820	X	1003	X	8/11
34"	865	X	987	X	8/11	856	X	1054	X	8/11
36"	920	X	1045	X	8/11	920	X	1114	X	8/11
38"	965	X	1108	X	8/11	965	X	1051	X	8/11
40"	1020	X	1159	X	8/11	1020	X	1111	X	8/11
42"	1070	X	1216	X	8/11	1070	X	1162	X	8/11
44"	1120	X	1273	X	8/11	1120	X	1216	X	8/11
46"	1170	X	1324	X	8/11	1170	X	1270	X	8/11
48"	1220	X	1381	X	8/11	1220	X	1321	X	8/11
50"	1270	X	1432	X	8/11	1270	X	1375	X	8/11
52"	1320	X	1489	X	8/11	1320	X	1425	X	8/11
54"	1370	X	1546	X	8/11	1370	X	1489	X	8/11
56"	1430	X	1603	X	8/11	1430	X	1540	X	8/11
58"	1475	X	1660	X	8/11	1475	X	1590	X	8/11
60"	1530	X	1711	X	8/11	1530	X	1641	X	8/11

FOR ASME B 16.47 SERIES B FLANGES

DIAMETER NOKINAL	DIMENSIONS IN MM/ NOMINAL PRESSURE UPTO 150 lbs				
	NPS	d1	X	d2	X
28"	720	X	773	X	8/11
30"	770	X	824	X	8/11
32"	820	X	878	X	8/11
36"	920	X	984	X	8/11





G-SI - OF

G-SI-OF - Rubber-steel gaskets Profile

The rubber-steel gasket G-SI-OF consists of a metal support ring and a specially moulded, replaceable elastomer ring which is located in the force shunt after fitting. The central support ring is available in galvanised and chromated carbon steel, stainless steel.

Features:

- » Easy to replace the rubber sealing rings, meaning the rubber-steel gasket G-SI-OF can be reused again and again
- » Safe to use and easy to handle the rubber sealing material, even at large nominal sizes

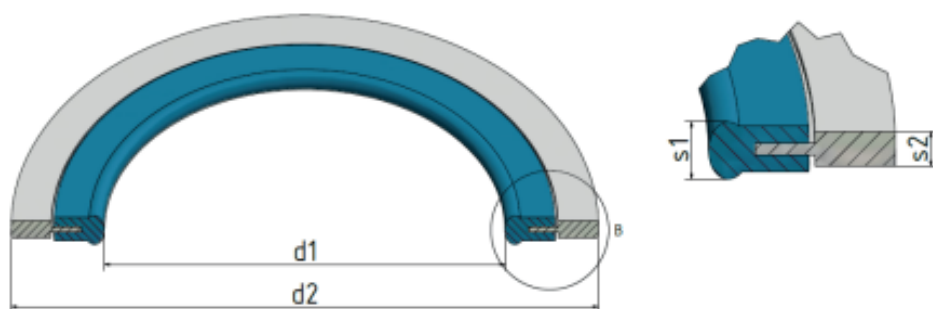
Typical field of application:

- » Sealing tank flange connections
- » Sealing special flanges
- » Sealing cooling and condensate pipelines in power plants

Operating range

- » Pressure: $p = 100 \text{ bar}$
- » Continuous operation: $t = -30 \text{ }^{\circ}\text{C} \dots +120 \text{ }^{\circ}\text{C}$
- » a few hours: $t = -30 \text{ }^{\circ}\text{C} \dots +150 \text{ }^{\circ}\text{C}$





G-SI - OS

G-SI-OS – Rubber-steel gaskets Profile

The G-SI-OS rubber-steel gasket Profile in its standard form consists of a galvanised and chromated metal support ring and a rubber sealing ring with integrally moulded sealing lips. The support ring is also available in stainless steel or plastic. In contrast to traditional gaskets, the rubber sealing ring in the rubber-steel gasket Profile WL is in off load contact. This means that any forces that are too high for the rubber sealing ring are borne by the support ring. Another advantage is that the rubber sealing ring is chambered outwards by the support ring. With the creation of a metal-to-metal seal, very high internal pressures and additional forces from the pipeline system can be permitted. The rubber-steel gasket Profile WL combines all the advantages of a rubber gasket with those of a metal gasket.

Features:

- » impossible to over load the rubber sealing ring
- » seal is secure, even with large fluctuations or surges in pressure can be used for a range of applications due to the very large range of surface pressure limits.

Typical field of application:

- » Rubberized assemblies in chemical and power plants or Systems with high operating pressures
- » Up to 100 bar

Materials:

EPDM/NBR/FKM Back-up ring: S235JR galvanized/ 1.4301/1.4571 (others on request)





G-SI-OS Gasket Dimensions acc to DIN 2690

	PN	6	10	16	25	40	63	100	
DN	d1	d4	d4	d4	d4	d4	d4	d4	s1/s2
10	18		45	45	45	45	56	56	5/3
15	22		50	50	50	50	61	61	5/3
20	28		60	60	60	60			5/3
25	35		70	70	70	70	82	82	5,5/5,3
32	43		82	82	82	82			5,5/5,3
40	49		92	92	92	92	103	103	5,5/5,3
50	61		107	107	107	107	113	119	5,5/5,3
65	77		127	127	127	127	137	143	5,5/5,3
80	90		142	142	142	142	148	154	5,5/5,3
100	115		162	162	168	168	174	180	8/5
125	141		192	192	195	195	210	217	8/5
150	169		218	218	225	225	247	257	8/5
175	195		248	248	255	267	277	287	8/5
200	220		273	273	285	292	309	323	8/5
250	274		328	330	342	353	364	391	8/5
300	325		378	385	402	418	424	458	8/5
350	368		438	445	458	475	486	512	8/5
400	420	473	490	497	515	547	543	572	8/5
450	470		540	557	565	572			10/6
500	520	578	595	618	625	628	657	704	10/6
600	620	680	695	735	730	745	764	813	10/6
700	720	784	810	805	830	850	879	950	10/6
800	820	890	915	910	940	970	988		10/6
900	920	990	1015	1010	1040	1080	1108		10/6
1000	1020		1120	1125	1150	1190	1220		10/6
1200	1220	1307	1340	1340	1360	1395	1452		10/6
1400	1420		1545	1540	1575	1615			12/8
1600	1620	1724	1770	1760	1795	1830			12/8
1800	1820		1970	1960	2000				12/8
2000	2020		2180	2165	2230				12/8
2200	2220	2348	2380		2375				12/8
2400	2420	2558	2590	2585					12/8
2600	2620		2790	2785					12/8
2800	2820		3010						12/8
3000	3020		3225						12/8





G-SI-OS Dimensions acc to ASME B16.21 to for ASME B16.5

	CLASS	150	300	400	600	900	
NPS	d1	d4	d4	d4	d4	d4	s1/s1
1/2"	16	45	51	51	51	61	5/3
3/4"	22	54	64	64	64	67	5/3
1"	28	64	70	70	70	76	5/3
1 1/4"	35	73	80	80	80	86	5,5/3,5
1 1/2"	43	83	93	93	93	95	5,5/3,5
2"	61	102	108	108	108	140	5,5/3,5
2 1/2"	77	121	127	127	127	162	5,5/3,5
3"	90	134	146	146	146	165	5,5/3,5
3 1/2"	102	159	162	159	159		8/5
4"	115	172	178	175	191	203	8/5
5"	141	194	213	210	238	245	8/5
6"	169	220	248	245	264	286	8/5
8"	220	277	305	302	318	356	8/5
10"	274	337	359	356	397	432	8/5
12"	325	407	419	416	454	496	8/5
14"	368	448	483	480	489	518	8/5
16"	420	512	537	534	562	572	8/5
18"	470	547	594	591	610	635	10/6
20"	520	604	651	645	680	696	10/6
24"	620	715	772	766	788	835	10/6

MATERIALS

EPDM, NBR, FKM, More gasket on request

SUPPORT RING

S235JR galvanisiert/1.4301/1.4571

Further support ring on request

