



Technical Data Sheet

G-ST Rubber-Steel Gaskets

Approved for gas and drinking water

Rubber-steel gaskets (MIT-RSG) consist of a defined elastomer with a vulcanized metal ring. The ring in the core of the gasket ensures the absorption of a good surface pressure and supports the centering of the gasket in the flange. Rubber-steel gaskets are used in flange systems to seal water, waste water, gas, air, acids and alkalis. Rubber-steel gaskets (standard types) have their application limit according to DVGW, DIN 30690. The EPDM gaskets are approved according to the current elastomer guideline and can therefore be installed in drinking water applications. NBR gaskets are also approved for use in the gas sector and meet the requirements of DVGW certification DIN EN 682 and DIN EN 681-1.

NBR for GAS

NBR - nitrile butadiene rubber

Temperatures: -20 °C to +80 ° C

Application: gaseous fuels (produced gas, natural gas or liquid gas) resistant to hydraulic oils, water glycols and oil in water emulsions, mineral oils and mineral oil products, animal and vegetable oils, petrol, fuel oil, water up to approx. 70°C, air up to 90°C

Flanges: stainless steel, steel, coated flanges, GFK, PP, PVC and PE

Approved: DVGW-Certification DIN EN 682

EPDM for DRINKING WATER

EPDM - ethylene-propylene-diene rubber

Temperatures: - 30 °C to +120 °C
hot water and air -50°C to +150°C

Application: drinking water and waste Water. Very good aging resistance even under UV expo-sure and ozone Pollution resistant to diluted acids and e.g., brake fluids on non-mineral oil containing base. Not resistant to mineral oil products!

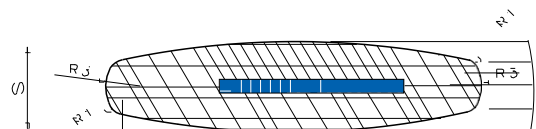
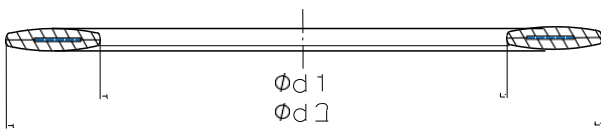
Flanges: stainless steel, steel, coated flanges, GFK, PP, PVC and PE

Approved: Test certificate HY according to elastomer guideline.



Nominal width DN	Thickness	Inner Ø d1	Outer Ø d2				
			PN 6	PN 10	PN 16	PN 25	PN 40
15	4	22	-	Use Ø PN 40			51
20	4	27	-	Use Ø PN 40			61
25	4	34	-	Use Ø PN 40			71
32	4	43	76	Use Ø PN 40			82
40	4	49	-	Use Ø PN 40			92
50	4	61	96	Use Ø PN 40			107
65	4	77	116	Use Ø PN 40			127
80	4	89	132	Use Ø PN 40			142
100	5	115	152	Ø PN 16	162	Ø PN 40	168
125	5	141	182	Ø PN 16	192	Ø PN 40	194
150	5	169	207	Ø PN 16	218	Ø PN 40	224
200	6	220	263	Ø PN 16	273	284	290
250	6	273	317	328	329	340	352
300	6	324	373	378	384	400	417
350	7	356	423	438	444	457	474
400	7	407	473	489	495	514	546
450	7	458	-	539	-	-	-
500	7	508	578	594	617	624	-
600	7	610	679	695	734	731	747
700	8	712	784	810	804	833	-
800	8	813	890	917	911	942	-
900	8	915	990	1017	1011	1042	-
1000	8	1016	1090	1124	1128	1154	-
1100	8	1120	-	-	1228	1254	-
1200	8	1220	1307	1341	1342	1364	-
1400	8	1420	1524	1548	1542	1578	-
1600	8	1620	1724	1772	1764	1798	-
1800	8	1820	1931	1972	1964	2000	-
2000	8	2020	2138	2182	2168	2230	-

Dimensions according to EN1514-1



The information listed in this TDS is based on our company's trials and experience. Coestan is not to be held responsible for poor installation or application in media combining complex of factors whose total exceeds the general qualities of the product. Coestan reserves the right to change the details given without notice. Our technical and sales representatives will assist any client in need of a product with a peculiar application.