

G-ST-FLAT-GASKETS

G-ST / GUSS



The right gasket for the utility industry

Flat gaskets for flanged joints in pipeline and plant construction have historically been manufactured according to standards or guidelines that specified precise dimensions for inside and outside diameters. The inside diameters are generally so large that a considerable area of the sealing strip of the flange is not covered.

Example:

FFG ductile iron pipe with cast-on standard flanges lined with cement mortar, DN 80, PN 10-25

$$d_{i_{\text{Pipe}}} = 78 \text{ mm}$$

$$d_{a_{\text{Sealing strip flange}}} = 133 \text{ mm sealing surface} = 9.115 \text{ mm}^2$$

Flat gasket DN 80, PN 10-40 according to DIN EN 1514-1

$$d_1 = 89 \text{ mm} \quad d_a = 142 \text{ mm}$$

$$\text{Sealing surface with } d_{a_{\text{Sealing strip flange}}} = 7.672 \text{ mm}^2$$

It shows: approx. 16 % of the sealing surface is not covered!

As the corrosion protection is often insufficient, especially in the case of old plant components, this leads to increased especially with aggressive water qualities, to increased rust nodule formation. When using the KROLL & ZILLER gasket TYPE G-ST/CAST this problem is consequently eliminated!

The inner diameters are based on the nominal diameters of common pipes and fittings: Of course, no other restrictions are associated with a conversion.

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Diameter Nominal		Nominal pressure	Dimensions in mm				
DN	PN		d_1	x	d_2	x	s_1
40	10-40		40	x	91	x	4
50	10-40		50	x	106	x	4
60	10-40		60	x	117	x	4
65	10-40		65	x	126	x	4
80	10-40		80	x	142	x	4
100	10-16		100	x	162	x	5
125	10-16		125	x	192	x	5
150	10-16		150	x	218	x	5
200	10-16		200	x	273	x	6
250	10-16		250	x	328	x	6
300	10		300	x	378	x	7
300	16		300	x	384	x	7
350	16		350	x	444	x	7
400	10		400	x	490	x	7
400	16		400	x	495	x	7
500	10		500	x	594	x	7
500	16		500	x	617	x	7

