Product Range

Page

G-ST
For various applications.

10

G-ST/GUSS
In special dimensions.
For total covering of flange face.

13

G-ST-P/S
For various applications, top choice for joints connecting non-metallic (plastics or GRP) and steel flanges.

14

G-ST-P/K
To suit flange joints connecting pairs of plastic stub ends.

16

G-ST-P/KN
For various applications, top choice for partially coated flanges and heavy duty services.

18

G-ST-P/HTB
For steel flange connections in Fire Safe pipelines.

23

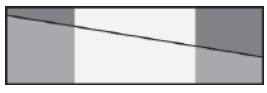
G-ST-P/OE
Flexible design gasket with visible stainless steel insert.

24

G-ST-P/GR
To suit pipework with soft rubber lining and flange faces with soft/hard rubber coating.

25

G-ST-Wedge Ring
Infinitely variable from 0° to 8°.



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G-ST-Profile Gaskets

With 40 years of experience in solving individual sealing problems, we can provide you with a range of flange gaskets of exceptional operating reliability. With Kroll & Ziller gaskets you can be sure of:

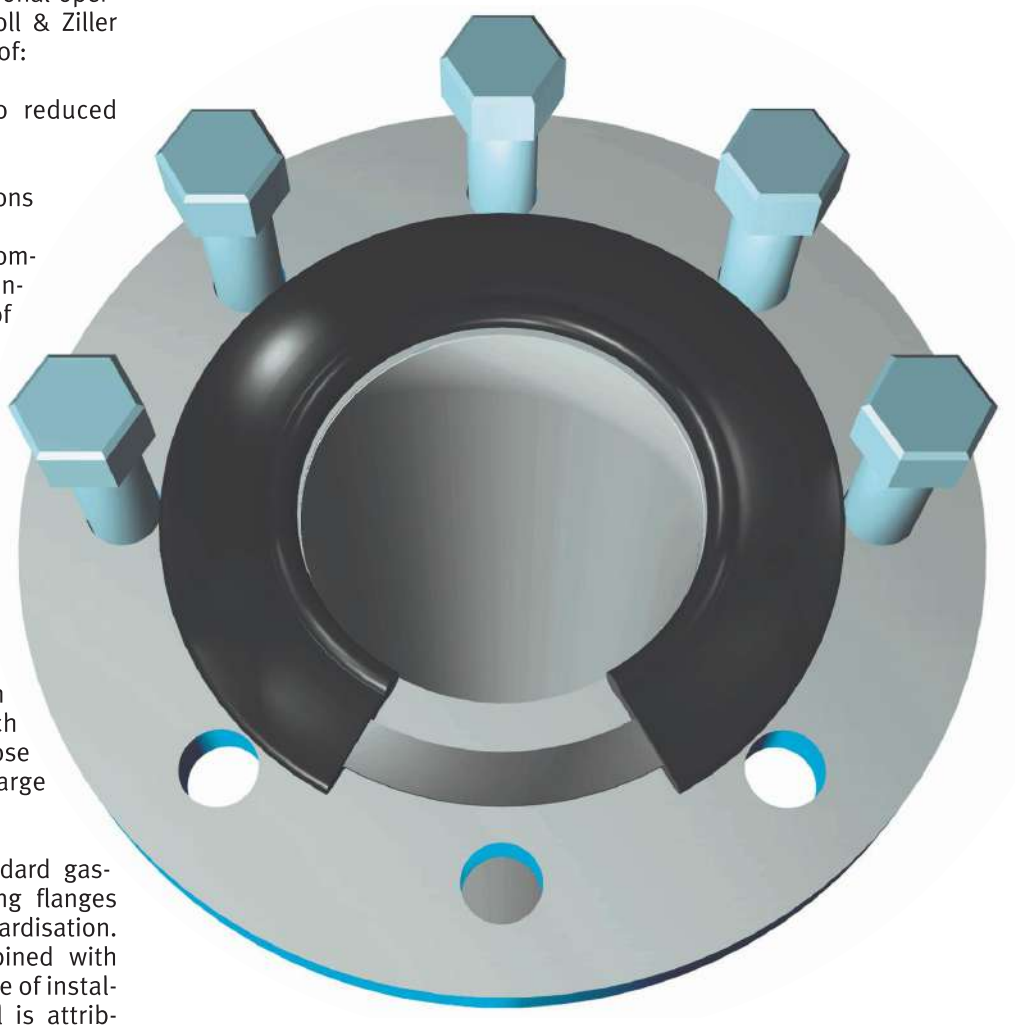
· high efficiency due to reduced operating costs

· reduced fugitive emissions

Growing international competition makes cost minimisation in all areas of production necessary. Production disruptions and rejections, maintenance and repair costs must be prevented by choosing the best possible construction materials. The risk of possible environmental pollution must be eliminated. The policy of Kroll & Ziller over the last 15 years has been specialisation, research and development in close collaboration with a large number of customers.

The wide range of standard gaskets available for sealing flanges allows top quality standardisation. High efficiency is combined with superb handling. The ease of installation to the rigid steel is attributed core even with large nominal widths and undesirable stresses. If you have a problem in choosing suitable gaskets, the experienced KROLL & ZILLER sales team is here to assist you.

With steel insert
Flange bolts center the gaskets



G - ST - P / *

S	for Steel pipes
K	for Plastic pipes
KN	for non-load bearing flange joints
OE	visible SS insert
HTB	for Fire safe
GR	for Rubber lined pipes
P	for Profile
ST	with Steel insert
G	for Rubber material

G-ST-Profile Gaskets

Extra reliability

The KROLL & ZILLER gasket range was proven in the testing.

Test parameters:

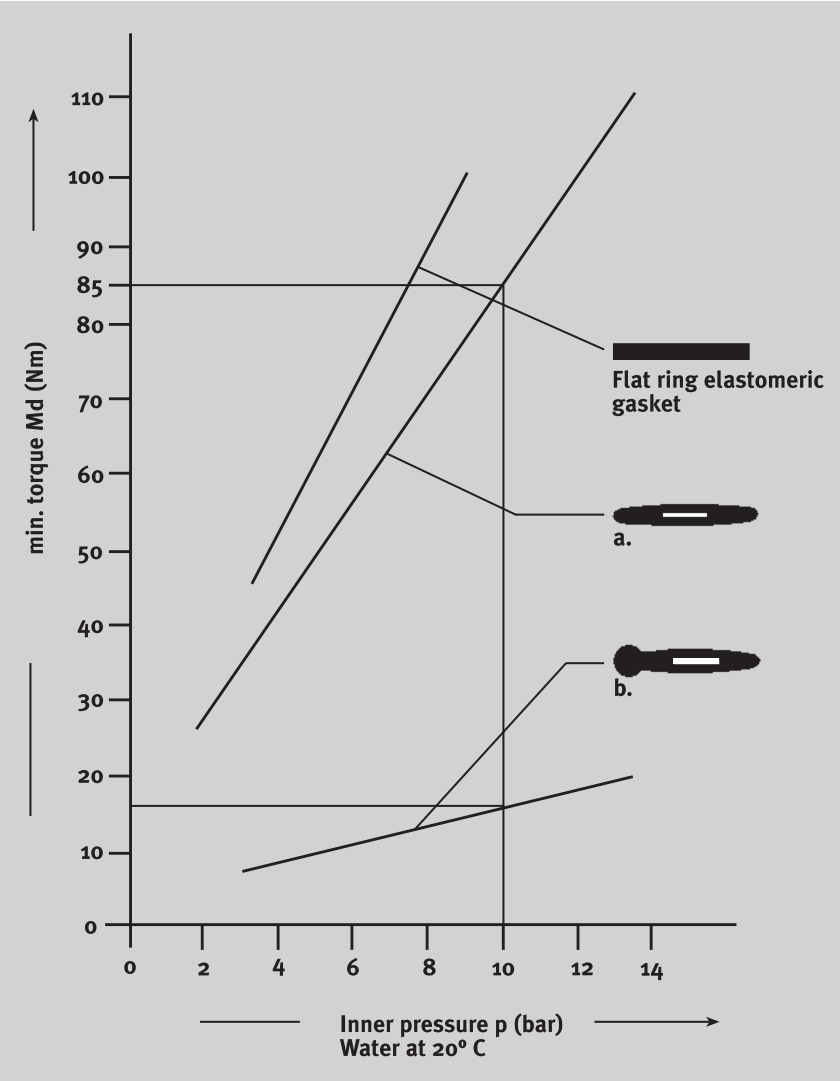
· medium: water

· temperature: 20° C / 68° F

· test pressure: 10 bar / 143 psi

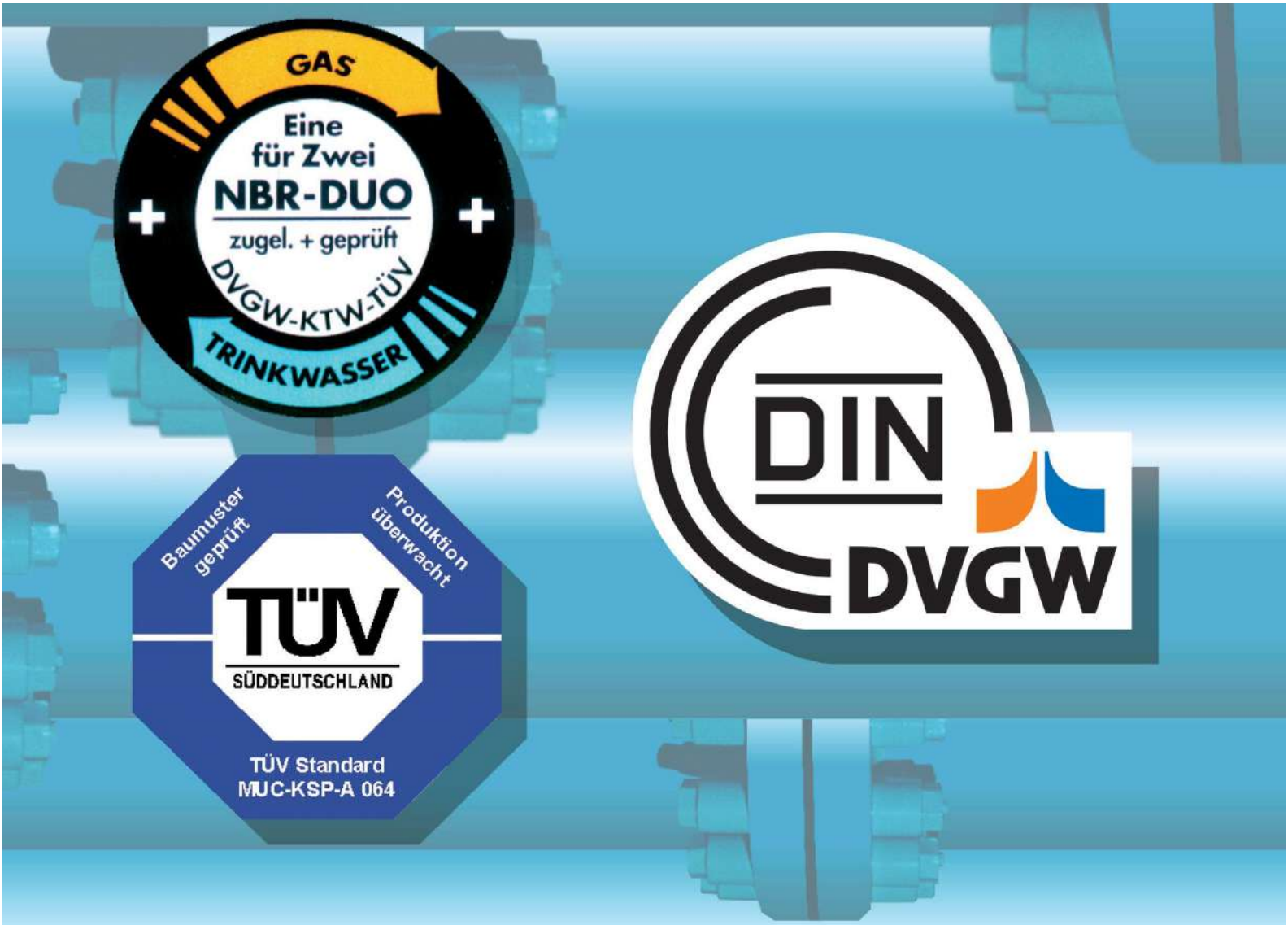
Test samples
20“ Gasket
a = G-ST flange gasket
NBR-DUO
b = G-ST-P/S-profile flange gasket
NBR-DUO
c = Flat rubber gasket with textile insert NBR

The result of the test series is shown in the graph:
With a pressure of 10 bar / 143 psi only a fraction of the required tightening torque calculated for the G-ST flange gasket is necessary for the G-ST-P/S profile gasket. However, use of the G-ST gasket with the higher value is recommended during installation. The extra reliability offsets many uncertainties in practice.



a. = G-ST-Flange Gaskets

b. = G-ST-Profile Gaskets



Materials:

NR = Natural rubber
Temp. tmax. -30...+ 60° C, Shore -A-hardness 60 ± 5
Temp. Tmax. -22...+ 140° F

NBR-DUO = Acrylonitrile Butadiene rubber

DIN-DVGW test mark, reg.no. NV-5261AP1125

DRINKING WATER
-KTW recommendation 1.3.13 in the areas D1 and D2, as well as hygienic test in accordance with DVGW code of practice W 270
-FDA, 21 CFR Ch.I (04/2000), § 177.2600

NATURAL GAS
-Test approval by DVGW in accordance with DIN EN 3535, Part 3 (prEN 682) reg.no. NG-5113AP1125
Temp. tmax. -25...+ 70° C, Shore-A-hardness 80 ± 5
Temp. tmax. -13...+ 158° F

HNBR = Hydrogenated Acrylonitrile Butadiene rubber
Temp. tmax. -25...+ 150° C, Shore-A-hardness 75 ± 5
Temp. tmax. -13... + 302° F

CR = Chloroprene rubber
Temp. tmax. -25...+ 95° C, Shore-A-hardness 63 ± 5
Temp. tmax. -13...+ 203° F

CSM = Chlorosulphonated Monomer rubber
Temp. tmax. -20...+ 120° C, Shore-A-hardness 70 ± 5
Temp. tmax. -4...+ 248° F

EPDM* = Ethylene Propylene Diene Monomer rubber
-KTW recommendation 1.3.13 in the areas D1 and D2,
-FDA approved acc.to 21 CFR Ch.I (04/2000), § 177.2600
Temp. tmax. -30...+ 120° C, Shore-A-hardness 70 ± 5
Temp. tmax. -22...+ 248° F

FPM-S* = Fluorinated rubber acid proof
Temp. tmax. -20...+ 200° C, Shore-A-hardness 80 ± 5
Temp. tmax. -4...+ 392° F

IIR = Isobutene Isoprene rubber (Butyle rubber)
Temp. tmax. -25...+ 120° C, Shore-A-hardness 55 ± 5
Temp. tmax. -13...+ 248° F

Steel Insert
Standard: Carbon Steel
Optional: Stainless Steel

* also available as
“HP” (high purity)