

## ■ Swivel flange coupling

Galvanized steel

Stainless steel AISI 316 / 1.4401

Polypropylene available on request

## ■ Flange gasket

- novatec® PREMIUM II, RF for flanges complying with EN / DIN / ANSI
- GORE™ Universal Pipe Seal (UPG) Style 800, RF for flanges complying with EN / DIN / ANSI

Raised-face flange gaskets are used in applications where the gasket is seated directly on the contact face of the flange, between the flange holes.

- GORE™ Universal Pipe Seal (UPG) Style 800 is 100% expanded PTFE. Their multidirectional fibre structure and unique (envelope) profile enables GORE™ UPG Style 800 gaskets to be used in a wide range of chemical industry applications.

Features:

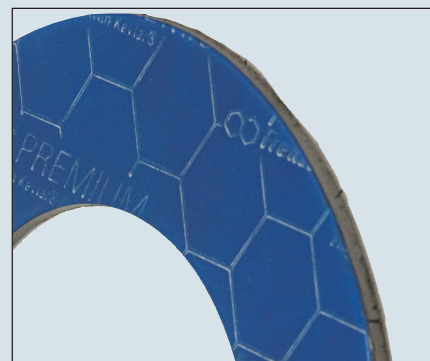
- chemically inert and temperature resistant
- seals at low bolt loadings
- high dimensional stability
- high resistance to creep and cold flow
- seals all types of standard piping
- resistant to all media in the 0-14 pH range, with the exception of alkalis and fluorine, particularly at high temperatures and pressures
- temperature range: -210°C / -346°F up to 260 °C / 500°F
- dimensions comply with EN-DIN and ANSI



- novatec® PREMIUM II is a flange seal for general and chemical industry applications. The combination of graphite, paramide fibres (KEVLAR®) and low binder content, allows the flange gasket to be resistant to 80% of all common chemical industry media.

Features:

- good stress relief
- resistant to high temperatures
- good ductility
- non-stick coating
- excellent torque retention
- temperature : 320°C / 608°F
- resistant to a wide range of chemicals and steam applications
- dimensions comply with EN-DIN and ANSI



novatec® PREMIUM II is a registered trademark of Frenzelit

KEVLAR® is a registered trademark of Dupont Dow Elastomers

GORE™ Universal Pipe Seal Style 800 is a registered trademark of W.L. Gore & Associates, Inc.

## ASSEMBLY

RK and RKP safety clamps in compliance with EN 14420-3 / DIN 2817

FLEXOLINE® safety clamps

HRRK swage ferrules

HRP swage ferrules

Worm drive, band or bolted clamps

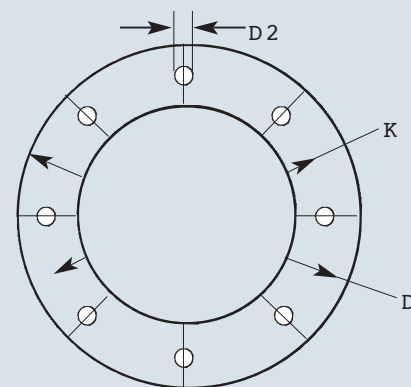
## FLANGE DIMENSIONS

EN-DIN PN 6

| "      | ND  | D   | K   | N  | D2 |
|--------|-----|-----|-----|----|----|
| 1/2"   | 15  | 80  | 55  | 4  | 11 |
| 3/4"   | 20  | 90  | 65  | 4  | 11 |
| 1"     | 25  | 100 | 75  | 4  | 11 |
| 1.1/4" | 32  | 120 | 90  | 4  | 14 |
| 1.1/2" | 40  | 130 | 100 | 4  | 14 |
| 2"     | 50  | 140 | 110 | 4  | 14 |
| 2.1/2" | 65  | 160 | 130 | 4  | 14 |
| 3"     | 80  | 190 | 150 | 4  | 18 |
| 4"     | 100 | 210 | 170 | 4  | 18 |
| 5"     | 125 | 240 | 200 | 8  | 18 |
| 6"     | 150 | 265 | 225 | 8  | 18 |
| 8"     | 200 | 320 | 280 | 8  | 18 |
| 10"    | 250 | 375 | 335 | 12 | 18 |
| 12"    | 300 | 440 | 395 | 12 | 22 |

EN-DIN PN 10

| ND  | D   | K   | N   | D2 |
|-----|-----|-----|-----|----|
| 15  | 95  | 65  | 4   | 14 |
| 20  | 105 | 75  | 4   | 14 |
| 25  | 115 | 85  | 4   | 14 |
| 32  | 140 | 100 | 4   | 18 |
| 40  | 150 | 110 | 4   | 18 |
| 50  | 165 | 125 | 4   | 18 |
| 65  | 185 | 145 | 4/8 | 18 |
| 80  | 200 | 160 | 8   | 18 |
| 100 | 220 | 180 | 8   | 18 |
| 125 | 250 | 210 | 8   | 18 |
| 150 | 285 | 240 | 8   | 22 |
| 200 | 340 | 295 | 8   | 22 |
| 250 | 395 | 350 | 12  | 22 |
| 300 | 445 | 400 | 12  | 22 |



N= number of bolts

EN-DIN PN 16

| "      | ND  | D   | K   | N  | D2 |
|--------|-----|-----|-----|----|----|
| 1/2"   | 15  | 95  | 65  | 4  | 14 |
| 3/4"   | 20  | 105 | 75  | 4  | 14 |
| 1"     | 25  | 115 | 85  | 4  | 14 |
| 1.1/4" | 32  | 140 | 100 | 4  | 18 |
| 1.1/2" | 40  | 150 | 110 | 4  | 18 |
| 2"     | 50  | 165 | 125 | 4  | 18 |
| 2.1/2" | 65  | 185 | 145 | 4  | 18 |
| 3"     | 80  | 200 | 160 | 8  | 18 |
| 4"     | 100 | 220 | 180 | 8  | 18 |
| 5"     | 125 | 250 | 210 | 8  | 18 |
| 6"     | 150 | 285 | 240 | 8  | 22 |
| 8"     | 200 | 340 | 295 | 12 | 22 |
| 10"    | 250 | 405 | 355 | 12 | 26 |
| 12"    | 300 | 460 | 410 | 12 | 26 |

EN-DIN PN 25

| ND  | D   | K   | N  | D2 |
|-----|-----|-----|----|----|
| 15  | 95  | 65  | 4  | 14 |
| 20  | 105 | 75  | 4  | 14 |
| 25  | 115 | 85  | 4  | 14 |
| 32  | 140 | 100 | 4  | 18 |
| 40  | 150 | 110 | 4  | 18 |
| 50  | 165 | 125 | 4  | 18 |
| 65  | 185 | 145 | 8  | 18 |
| 80  | 200 | 160 | 8  | 18 |
| 100 | 235 | 190 | 8  | 22 |
| 125 | 270 | 220 | 8  | 26 |
| 150 | 300 | 250 | 8  | 26 |
| 200 | 360 | 310 | 12 | 26 |
| 250 | 425 | 370 | 12 | 30 |
| 300 | 485 | 430 | 16 | 30 |

EN-DIN PN 40

| ND  | D   | K   | N  | D2 |
|-----|-----|-----|----|----|
| 15  | 95  | 65  | 4  | 14 |
| 20  | 105 | 75  | 4  | 14 |
| 25  | 115 | 85  | 4  | 14 |
| 32  | 140 | 100 | 4  | 18 |
| 40  | 150 | 110 | 4  | 18 |
| 50  | 165 | 125 | 4  | 18 |
| 65  | 185 | 145 | 8  | 18 |
| 80  | 200 | 160 | 8  | 18 |
| 100 | 235 | 190 | 8  | 22 |
| 125 | 270 | 220 | 8  | 26 |
| 150 | 300 | 250 | 8  | 26 |
| 200 | 375 | 320 | 12 | 30 |
| 250 | 450 | 385 | 12 | 33 |
| 300 | 515 | 450 | 16 | 33 |

ASTM 150 lbs

| "      | D     | K     | N  | D2   |
|--------|-------|-------|----|------|
| 1/2"   | 88.9  | 60.3  | 4  | 15.9 |
| 3/4"   | 98.4  | 69.8  | 4  | 15.9 |
| 1"     | 107.9 | 79.4  | 4  | 15.9 |
| 1.1/4" | 117.5 | 88.9  | 4  | 15.9 |
| 1.1/2" | 127.0 | 98.4  | 4  | 15.9 |
| 2"     | 152.4 | 120.6 | 4  | 19.0 |
| 2.1/2" | 177.8 | 139.7 | 4  | 19.0 |
| 3"     | 190.5 | 152.4 | 4  | 19.0 |
| 4"     | 228.6 | 190.5 | 8  | 19.0 |
| 5"     | 254.0 | 215.9 | 8  | 22.2 |
| 6"     | 279.4 | 241.3 | 8  | 22.2 |
| 8"     | 342.9 | 298.4 | 8  | 22.2 |
| 10"    | 406.4 | 361.9 | 12 | 25.4 |
| 12"    | 482.6 | 431.8 | 12 | 25.4 |

ASTM 300 lbs

| "      | D     | K     | N  | D2   |
|--------|-------|-------|----|------|
| 1/2"   | 95.2  | 66.7  | 4  | 15.9 |
| 3/4"   | 117.5 | 82.5  | 4  | 19.1 |
| 1"     | 123.8 | 88.9  | 4  | 19.1 |
| 1.1/4" | 133.3 | 98.4  | 4  | 19.1 |
| 1.1/2" | 155.6 | 114.3 | 4  | 22.2 |
| 2"     | 165.1 | 127.0 | 8  | 19.1 |
| 2.1/2" | 190.5 | 149.2 | 8  | 22.2 |
| 3"     | 209.5 | 168.3 | 8  | 22.2 |
| 4"     | 254.0 | 200.0 | 8  | 22.2 |
| 5"     | 279.4 | 234.9 | 8  | 22.2 |
| 6"     | 317.5 | 269.9 | 12 | 22.2 |
| 8"     | 381.0 | 330.2 | 12 | 25.4 |
| 10"    | 444.5 | 387.3 | 16 | 28.6 |
| 12"    | 520.7 | 450.8 | 16 | 31.7 |

ASTM 600 lbs

| "      | D     | K     | N  | D2   |
|--------|-------|-------|----|------|
| 1/2"   | 95.2  | 66.7  | 4  | 15.9 |
| 3/4"   | 117.5 | 82.5  | 4  | 19.1 |
| 1"     | 123.8 | 88.9  | 4  | 19.1 |
| 1.1/4" | 133.3 | 98.4  | 4  | 19.1 |
| 1.1/2" | 155.6 | 114.3 | 4  | 22.2 |
| 2"     | 165.1 | 127.0 | 8  | 19.1 |
| 2.1/2" | 190.5 | 149.2 | 8  | 22.2 |
| 3"     | 209.5 | 168.3 | 8  | 22.2 |
| 4"     | 273.0 | 184.1 | 8  | 25.4 |
| 5"     | 330.2 | 266.7 | 8  | 28.6 |
| 6"     | 355.6 | 292.1 | 12 | 28.6 |
| 8"     | 419.1 | 349.2 | 12 | 31.7 |
| 10"    | 508.0 | 431.8 | 16 | 34.9 |
| 12"    | 558.8 | 488.9 | 20 | 34.9 |