

ASME B16.20 Ring Type Joint (RTJ) Gasket Specification

ASME B16.20 Standard Introduction

ASME B16.20 specifies metallic gaskets, metallic-clad gaskets, and nonmetallic gaskets used with ASME B16.5 and ASME B16.47 flanges. Ring Type Joint (RTJ) gaskets are designed for high-pressure and high-temperature service.

Ring Type Joint (RTJ) Gasket Description

RTJ gaskets provide a metal-to-metal seal by plastic deformation of the gasket into the flange groove under bolt load, ensuring leak-tight performance in critical service conditions.

Types of RTJ Gaskets

Oval RTJ Gaskets: Traditional design for oval grooves.

Octagonal RTJ Gaskets: Improved sealing efficiency, compatible with both oval and octagonal grooves.

Common RTJ Gasket Materials

| Material | Typical Application |
|---------------------------|---------------------------------------|
| Soft Iron | Low temperature and pressure |
| Carbon Steel | General service |
| Stainless Steel 304 / 316 | Corrosive environments |
| Duplex Stainless Steel | Offshore and seawater service |
| Inconel / Monel | High temperature and severe corrosion |

Typical Applications

Oil and gas pipelines, refineries, petrochemical plants, offshore platforms, pressure vessels, high-pressure valves, and heat exchangers.

Inspection and Quality Control

RTJ gaskets are inspected for dimensional accuracy, surface finish, and material compliance in accordance with ASME B16.20.

Certification and Documentation

Material Test Certificate EN 10204 3.1, dimensional inspection report, and ASME B16.20 compliance statement can be provided upon request.

Ring Type Joint (RTJ) Gaskets

Ring Type Joint gaskets are precision machined metallic gaskets generally used in high pressure applications such as the Oil, Gas, Petrochemical and Offshore industries.

This type of gasket is designed to be used in RTJ groove flanges and are produced under license to dimensions as per API-6A and ASME B16.20.

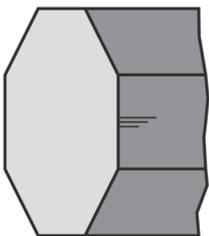
Details:-

- Ring Type Joints concentrate the bolt load over a small area producing high sealing stresses.
- As the Ring Type Joint Material should always be softer than the mating flanges, the high seating stress causes "plasticflow" of the ring joint in the flange faces creating the seal.
- RTJ Gaskets can be produced from a variety of material's to suit the process application and flange grade.
- Used on high pressure lines up to 20,000 PSI, RTJ's are an extremely reliable and robust sealing mechanism.
- Standard R type available R11 (1/2") to R105 (36") in Oval or Octagonal Section.
- BX, SBX & RX type available for Sub Sea application.
- IX Seal Rings used in Norsok Compact flange assemblies.

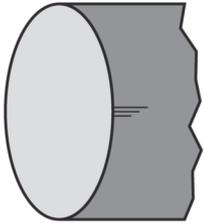
RTJ Gasket Profiles:-

Oval and Octagonal section Ring type Joints are designed for flanges with standard ring type grooves. These standard shapes are used to seal pressures up to 5,000 psi in accordance with API 6A.

The Octagonal cross section has a higher sealing efficiency than the Oval cross section and is therefore preferred.

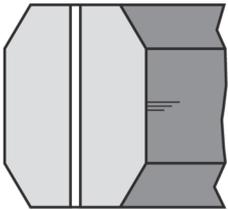


The oval section ring joints were originally designed for the now obsolete round bottom groove. Both the Oval and the Octagonal cross section are interchangeable on the flat bottom groove design.



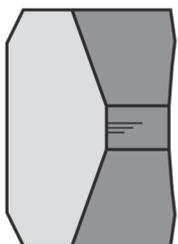
BX RTJ

BX Ring Type Joints are designed for pressures up to 20,000 psi, suitable only for use with API type BX flanges and grooves. The gasket has a square cross section with bevelled corners. The average diameter of the ring joint is slightly greater than that of the flange groove. This way, when the ring joint is seated, it stays pre-compressed by the outside diameter, creating high seating stress.



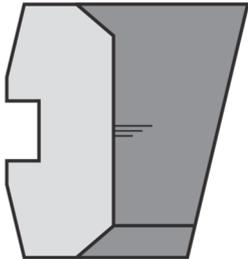
RX RTJ

RX Ring Type Joints are designed for pressures up to 5,000 psi, they are pressure activated ring joints designed to use the fluid pressure to increase sealability. The outside sealing surface of the ring joint makes the initial contact with the flange. As the internal pressure rises the contact pressure between ring joint and flange also increases. This is sometimes referred to as a pressure activated ring joint due to the shape of the gasket. High seating pressures are created increasing the sealability. This design characteristic makes the RX more resistant to vibrations, pressure surges and shocks that occur during oil well drilling.



IX Seal Ring

- IX Seal rings are designed to be used in Norsok Compact Flange Connections (CFC). Available in different materials, IX rings are supplied with colour coded PTFE coating to denote base material supplied. Unlike all of the other RTJ's supplied, markings are on the inside of the ring in accordance to Norsok L-005 standard.

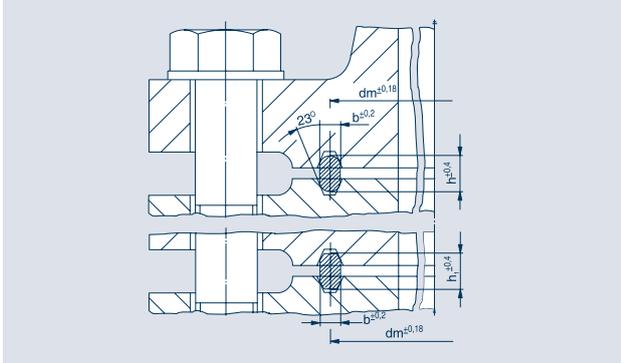


RTJ Material Reference Chart

| MATERIAL | RING IDENTIFICATION | ASTM | WERKSTOFF NO. | AISI/SAE | OTHER | MAX HARDNESS BHN |
|-------------|---------------------|------------|-----------------|----------|------------------------|------------------|
| Soft Iron | D | - | 1.1003 / 1.0335 | - | - | 90 |
| LCS | S | - | 1.1003 / 1.0335 | - | - | 120 |
| 4140 | 4140 | UNS G41400 | 1.7225 | 4140 | - | 210 |
| SS316 | S316 | S31600 | 1.4401 | 316 | - | 160/135 |
| SS316L | S316L | S31603 | 1.4404 | 316L | - | 160/135 |
| SS316Ti | S316Ti | S31635 | 1.4571 | 316Ti | - | 160 |
| SS304 | S304 | S30400 | 1.4301 | 304 | - | 160 |
| SS304L | S304L | S30403 | 1.4306 | 304L | - | 160 |
| SS321 | S321 | S32100 | 1.4541 | 321 | - | 160 |
| SS347 | S347 | S34700 | 1.455 | 347 | - | 160 |
| SS410 | S410 | S41000 | 1.4006 | 410 | - | 170 |
| SS309 | S309 | S30900 | 1.4828 | 309 | - | 170 |
| SS310 | S310 | S31088 | 1.4841 | 310 | - | 170 |
| F5 | F5 | UNS K42544 | 1.7362 | - | 5Cr 1/2Mo | 130 |
| INCONEL 625 | INC 625 | NO6625 | 2.4856 | - | - | 200 |
| INCONEL 600 | INC 600 | NO6600 | 2.4816 | - | - | 200 |
| INCONEL 718 | INC 718 | NO7718 | - | - | - | 34-39 HRC* |
| INCOLOY 825 | INC 825 | NO8825 | 2.4858 | - | - | 160 |
| INCOLOY 800 | INC 800 | NO8800 | 1.4958 | - | - | 180 |
| MONEL 400 | MONEL 400 | NO4400 | 2.436 | - | - | 150 |
| F51 | F51 | S31803 | 1.4462 | - | 2205/DUPLEX | 230 |
| F53 | F53 | S32750 | 1.441 | - | SUPER DUPLEX | 230 |
| F55 | F55 | S32760 | 1.4501 | - | ZERON 100/SUPER DUPLEX | 230 |
| F60 | F60 | S32205 | - | - | DUPLEX | 230 |
| Titanium | Ti | R 50400 | 3.7035 | - | - | 215 |
| S254 | S254 | S31254 | 1.4547 | - | F44/6 Mo | 180 |
| C276 | C276 | N10276 | 2.4819 | - | Hastelloy | 210 |
| Alloy 28 | Alloy 28 | NO8028 | 1.4563 | - | Sanicro 28 | 190 |

RING JOINT GASKETS, TYPE R

Ring joint gaskets, Type R, dimensions
in accordance with ASME B16.20, API Std 6 A for flanges
in accordance with ASME B16.5 and ASME B16.47 Series A
in accordance with EN 12560-5



Ring joint gaskets, Type R

| NPS | class | Ring-No. | Ring measurements | | | |
|-----|-------------|----------|-------------------|-------|-------|----------------|
| | | | dm | b | h | h ₁ |
| ½ | 300 to 600 | R 11 | 34,13 | 6,35 | 11,11 | 9,53 |
| ½ | 900 1500 | R 12 | 39,69 | 7,94 | 14,29 | 12,70 |
| ½ | 2500 | R 13 | 42,86 | 7,94 | 14,29 | 12,70 |
| ¾ | 300 to 600 | R 13 | 42,86 | 7,94 | 14,29 | 12,70 |
| ¾ | 900,1500 | R 14 | 44,45 | 7,94 | 14,29 | 12,70 |
| 1 | 150 | R 15 | 47,63 | 7,94 | 14,29 | 12,70 |
| ¾ | 2500 | R 16 | 50,80 | 7,94 | 14,29 | 12,70 |
| 1 | 300 to 1500 | R 16 | 50,80 | 7,94 | 14,29 | 12,70 |
| 1¼ | 150 | R 17 | 57,15 | 7,94 | 14,29 | 12,70 |
| 1 | 2500 | R 18 | 60,33 | 7,94 | 14,29 | 12,70 |
| 1¼ | 300 to 1500 | R 18 | 60,33 | 7,94 | 14,29 | 12,70 |
| 1½ | 150 | R 19 | 65,09 | 7,94 | 14,29 | 12,70 |
| 1½ | 300 to 1500 | R 20 | 68,26 | 7,94 | 14,29 | 12,70 |
| 1½ | 2500 | R 21 | 72,23 | 11,11 | 17,46 | 15,88 |
| 2 | 150 | R 22 | 82,55 | 7,94 | 14,29 | 12,70 |
| 1½ | 2500 | *R 23 | 82,55 | 11,11 | 17,46 | 15,88 |
| 2 | 300 to 600 | *R 23 | 82,55 | 11,11 | 17,46 | 15,88 |
| 2 | 900,1500 | *R 24 | 95,25 | 11,11 | 17,46 | 15,88 |
| 2½ | 150 | R 25 | 101,60 | 7,94 | 14,29 | 12,70 |
| 2 | 2500 | *R 26 | 101,60 | 11,11 | 17,46 | 15,88 |
| 2½ | 300 to 600 | *R 26 | 101,60 | 11,11 | 17,46 | 15,88 |
| 2½ | 900,1500 | *R 27 | 107,95 | 11,11 | 17,46 | 15,88 |
| 2½ | 2500 | R 28 | 111,13 | 12,70 | 19,05 | 17,46 |
| 3 | 150 | R 29 | 114,30 | 7,94 | 14,29 | 12,70 |
| 3 | 300 to 600 | R 30 | 117,48 | 11,11 | 17,46 | 15,88 |
| 3 | 300 to 900 | *R 31 | 123,83 | 11,11 | 17,46 | 15,88 |
| 3 | 2500 | R 32 | 127,00 | 12,70 | 19,05 | 17,46 |
| 3½ | 150 | R 33 | 131,76 | 7,94 | 14,29 | 12,70 |
| 3½ | 300 to 600 | R 34 | 131,76 | 11,11 | 17,46 | 15,88 |
| 3 | 1500 | *R 35 | 136,53 | 11,11 | 17,46 | 15,88 |
| 4 | 150 | R 36 | 149,23 | 7,94 | 14,29 | 12,70 |
| 4 | 300 to 900 | *R 37 | 149,23 | 11,11 | 17,46 | 15,88 |
| 4 | 2500 | R 38 | 157,16 | 15,88 | 22,23 | 20,64 |
| 4 | 1500 | *R 39 | 161,93 | 11,11 | 17,46 | 15,88 |
| 5 | 150 | R 40 | 171,45 | 7,94 | 14,29 | 12,70 |
| 5 | 300 to 900 | *R 41 | 180,98 | 11,11 | 17,46 | 15,88 |
| 5 | 2500 | R 42 | 190,50 | 19,05 | 25,40 | 23,81 |
| 6 | 150 | R 43 | 193,68 | 7,94 | 14,29 | 12,70 |
| 5 | 1500 | *R 44 | 193,68 | 11,11 | 17,46 | 15,88 |
| 6 | 300 to 900 | *R 45 | 211,14 | 11,11 | 17,46 | 15,88 |
| 6 | 1500 | *R 46 | 211,14 | 12,70 | 19,05 | 17,46 |
| 6 | 2500 | R 47 | 228,60 | 19,05 | 25,40 | 23,81 |
| 8 | 150 | R 48 | 247,65 | 7,94 | 14,29 | 12,70 |
| 8 | 300 to 900 | *R 49 | 269,88 | 11,11 | 17,46 | 15,88 |
| 8 | 1500 | *R 50 | 269,88 | 15,88 | 22,23 | 20,64 |
| 8 | 2500 | R 51 | 279,40 | 22,23 | 28,58 | 26,99 |
| 10 | 150 | R 52 | 304,80 | 7,94 | 14,29 | 12,70 |
| 10 | 300 to 900 | *R 53 | 323,85 | 11,11 | 17,46 | 15,88 |
| 10 | 1500 | *R 54 | 323,85 | 15,88 | 22,23 | 20,64 |
| 10 | 2500 | R 55 | 342,90 | 28,58 | 36,51 | 34,93 |
| 12 | 150 | R 56 | 381,00 | 7,94 | 14,29 | 12,70 |
| 12 | 300 to 900 | *R 57 | 381,00 | 11,11 | 17,46 | 15,88 |
| 12 | 1500 | R 58 | 381,00 | 22,23 | 28,58 | 26,99 |
| 14 | 150 | R 59 | 396,88 | 7,94 | 14,29 | 12,70 |

Dimensions in mm

| NPS | class | Ring-No. | Ring measurements | | | |
|-----|---------------|---------------------|-------------------|-------|-------|----------------|
| | | | dm | b | h | h ₁ |
| 12 | 2500 | R 60 | 406,40 | 31,75 | 39,69 | 38,10 |
| 14 | 300 to 600 | R 61 | 419,10 | 11,11 | 17,46 | 15,88 |
| 14 | 900 | R 62 | 419,10 | 15,88 | 22,22 | 20,64 |
| 14 | 1500 | R 63 | 419,10 | 25,40 | 33,34 | 31,75 |
| 16 | 150 | R 64 | 454,00 | 7,94 | 14,29 | 12,70 |
| 16 | 300 to 600 | *R 65 | 469,90 | 11,11 | 17,46 | 15,88 |
| 16 | 900 | *R 66 | 469,90 | 15,88 | 22,23 | 20,64 |
| 16 | 1500 | R 67 | 469,90 | 28,58 | 36,51 | 34,93 |
| 18 | 150 | R 68 | 517,53 | 7,94 | 14,29 | 12,70 |
| 18 | 300 to 600 | R 69 | 533,40 | 11,11 | 17,46 | 15,88 |
| 18 | 900 | R 70 | 533,40 | 19,05 | 25,40 | 23,81 |
| 18 | 1500 | R 71 | 533,40 | 28,58 | 36,51 | 34,93 |
| 20 | 150 | R 72 | 558,80 | 7,94 | 14,29 | 12,70 |
| 20 | 300 to 600 | *R 73 | 584,20 | 12,70 | 19,05 | 17,46 |
| 20 | 900 | *R 74 | 584,20 | 19,05 | 25,40 | 23,81 |
| 20 | 1500 | R 75 | 584,20 | 31,75 | 39,68 | 38,10 |
| 24 | 150 | R 76 | 673,10 | 7,94 | 14,29 | 12,70 |
| 24 | 300 to 600 | R 77 | 692,15 | 15,88 | 22,23 | 20,64 |
| 24 | 900 | R 78 | 692,15 | 25,40 | 33,34 | 31,75 |
| 24 | 1500 | R 79 | 692,15 | 34,92 | 44,45 | 41,28 |
| 22 | 150 | R 80 | 615,95 | 7,93 | - | 12,70 |
| 22 | 300 to 600 | R 81 | 635,00 | 14,28 | - | 19,05 |
| 1 | 10000 | R 82 | 57,15 | 11,11 | - | 15,87 |
| 1½ | 10000 | R 84 | 63,50 | 11,11 | - | 15,87 |
| 2 | 10000 | R 85 | 79,37 | 12,70 | - | 17,46 |
| 2½ | 10000 | R 86 | 90,49 | 15,87 | - | 20,63 |
| 3 | 10000 | R 87 | 100,01 | 15,87 | - | 20,63 |
| 4 | 10000 | R 88 | 123,83 | 19,05 | - | 23,81 |
| 3½ | 10000 | R 89 | 114,30 | 19,05 | - | 23,81 |
| 5 | 10000 | R 90 | 155,58 | 22,22 | - | 26,98 |
| 10 | 10000 | R 91 | 260,35 | 31,75 | - | 38,10 |
| | | R 92 | 228,60 | 11,11 | 17,46 | 15,87 |
| 26 | 300, 400, 600 | R 93 ²⁾ | 749,30 | 19,05 | - | 23,81 |
| 28 | 300, 400, 600 | R 94 ²⁾ | 800,10 | 19,05 | - | 23,81 |
| 30 | 300, 400, 600 | R 95 ²⁾ | 857,25 | 19,05 | - | 23,81 |
| 32 | 300, 400, 600 | R 96 ²⁾ | 914,40 | 22,22 | - | 26,98 |
| 34 | 300, 400, 600 | R 97 ²⁾ | 965,2 | 22,22 | - | 26,98 |
| 36 | 300, 400, 600 | R 98 ²⁾ | 1022,35 | 22,22 | - | 26,98 |
| 8 | 2000, 3000 | R 99 | 234,95 | 11,11 | - | 15,87 |
| 26 | 900 | R 100 ²⁾ | 749,30 | 28,57 | - | 34,92 |
| 28 | 900 | R 101 ²⁾ | 800,10 | 31,75 | - | 38,10 |
| 30 | 900 | R 102 ²⁾ | 857,25 | 31,75 | - | 38,10 |
| 32 | 900 | R 103 ²⁾ | 914,40 | 31,75 | - | 38,10 |
| 34 | 900 | R 104 ²⁾ | 965,20 | 34,92 | - | 41,27 |
| 36 | 900 | R 105 ²⁾ | 1022,35 | 34,92 | - | 41,27 |

- Flanges compliant with the standard not available Dimensions in mm

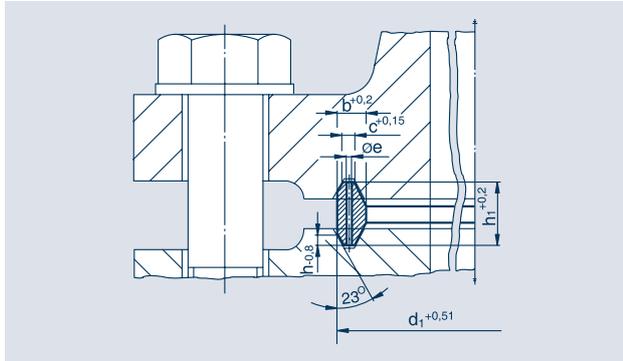
* These rings conform to API standard 6A. The measurements given in mm are converted measurements and will differ marginally from the metric API table.

1) Specify material when placing order

2) Ring for flanges in accordance with ASME B16.47 Series A

RING JOINT GASKETS, TYPE RX

Ring joint gaskets, Type RX, dimensions in accordance with ASME B16.20 and/or API Std 6 A for API 6B flanges



Ring joint gasket R 37 A14 / 1.4541

Ring joint gaskets, Type RX

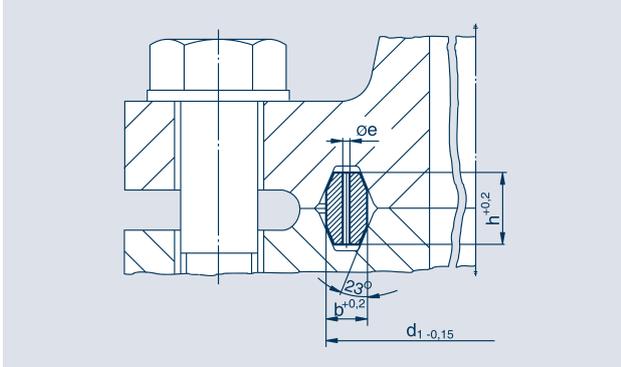
| NPS | class | Ring-No. | Ring measurements | | | | | Bore* e |
|-------|------------------|----------|-------------------|-------|-------|----------------|------|------------|
| | | | d ₁ | b | c | h ₁ | h | |
| 1½ | 2000, 3000, 5000 | RX 20 | 76,2 | 8,73 | 4,62 | 19,05 | 3,18 | - |
| 2 | 2000 | RX 23 | 93,27 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 2 | 3000,5000 | RX 24 | 105,97 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 3½ | 5000 | RX 25 | 109,54 | 8,73 | 4,62 | 19,05 | 3,18 | - |
| 2½ | 2000 | RX 26 | 111,92 | 11,91 | 6,45 | 25,4 | 3,78 | - |
| 2½ | 3000, 5000 | RX 27 | 118,27 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 3 | 2000, 3000 | RX 31 | 134,54 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 3 | 5000 | RX 35 | 147,24 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 4 | 2000, 3000 | RX 37 | 159,94 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 4 | 5000 | RX 39 | 172,64 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 5 | 2000, 3000 | RX 41 | 191,69 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 5 | 5000 | RX 44 | 204,39 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 6 | 2000, 3000 | RX 45 | 221,85 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 6 | 5000 | RX 46 | 222,25 | 13,49 | 6,68 | 28,58 | 4,78 | - |
| 8 | crossover flange | RX 47 | 245,3 | 19,84 | 10,34 | 41,28 | 6,88 | - |
| 8 | 2000, 3000 | RX 49 | 280,59 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 8 | 5000 | RX 50 | 283,37 | 16,67 | 8,51 | 31,75 | 5,28 | - |
| 10 | 2000, 3000 | RX 53 | 334,57 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 10 | 5000 | RX 54 | 337,94 | 16,67 | 8,51 | 31,75 | 5,28 | - |
| 12 | 2000, 3000 | RX 57 | 391,72 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 14 | 5000 | RX 63 | 441,72 | 26,99 | 14,78 | 50,8 | 8,46 | - |
| 16 | 2000 | RX 65 | 480,62 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 16 | 3000 | RX 66 | 483,39 | 16,67 | 8,51 | 31,75 | 5,28 | - |
| 18 | 2000 | RX 69 | 544,1 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 18 | 3000 | RX 70 | 550,1 | 19,84 | 10,34 | 41,28 | 6,88 | - |
| 20 | 2000 | RX 73 | 596,1 | 13,49 | 6,68 | 31,75 | 5,28 | - |
| 20 | 3000 | RX 74 | 600,87 | 19,84 | 10,34 | 41,28 | 6,88 | - |
| 1 | 10000 | RX 82 | 67,87 | 11,91 | 6,45 | 25,4 | 4,24 | 1,6 |
| 1½ | 10000 | RX 84 | 74,22 | 11,91 | 6,45 | 25,4 | 4,24 | 1,6 |
| 2 | 10000 | RX 85 | 90,09 | 13,49 | 6,68 | 25,4 | 4,24 | 1,6 |
| 2½ | 10000 | RX 86 | 103,58 | 15,08 | 8,51 | 28,58 | 4,78 | 2,4 |
| 3 | 10000 | RX 87 | 113,11 | 15,08 | 8,51 | 28,58 | 4,78 | 2,4 |
| 4 | 10000 | RX 88 | 139,3 | 17,46 | 10,34 | 31,75 | 5,28 | 3,2 |
| 3½ | 10000 | RX 89 | 129,78 | 18,26 | 10,34 | 31,75 | 5,28 | 3,2 |
| 5 | 10000 | RX 90 | 174,62 | 19,84 | 12,17 | 44,45 | 7,42 | 3,2 |
| 10 | 10000 | RX 91 | 286,94 | 30,16 | 19,81 | 45,24 | 7,54 | 3,2 |
| 8 | 2000, 3000 | RX 99 | 245,67 | 11,91 | 6,45 | 25,4 | 4,24 | - |
| 1¼ | 5000 | RX 201 | 51,46 | 5,74 | 3,2 | 11,3 | 1,45 | - |
| 1¾ | 5000 | RX 205 | 62,31 | 5,56 | 3,05 | 11,1 | 1,83 | - |
| 2½ | 5000 | RX 210 | 97,63 | 9,53 | 5,41 | 19,05 | 3,18 | - |
| 4 | 5000 | RX 215 | 140,89 | 11,91 | 5,33 | 25,4 | 4,24 | - |
| 4x 4¼ | 5000 | RX 215 | 140,89 | 11,91 | 5,33 | 25,4 | 4,24 | - |

- Flanges compliant with the standard not available

Dimensions in mm

RING JOINT GASKET, TYPE RX

Ring joint gasket, Type BX, dimensions in accordance with API Std 6 A for API 6BX flanges



Ring joint gaskets, Type BX

| NPS | class | Ring-No. | d ₁ | b | h | Bore* e |
|---------|-------------------|----------|----------------|-------|-------|------------|
| 1 11/16 | 10000,15000 | BX 150 | 72,19 | 9,30 | 9,30 | 1,6 |
| 1 13/16 | 10000,15000,20000 | BX 151 | 76,40 | 9,63 | 9,63 | 1,6 |
| 2 1/16 | 10000,15000,20000 | BX 152 | 84,68 | 10,24 | 10,25 | 1,6 |
| 2 9/16 | 10000,15000,20000 | BX 153 | 100,94 | 11,38 | 11,38 | 1,6 |
| 3 1/16 | 10000,15000,20000 | BX 154 | 116,84 | 12,40 | 12,40 | 1,6 |
| 4 1/16 | 10000,15000,20000 | BX 155 | 147,96 | 14,22 | 14,22 | 1,6 |
| 7 1/16 | 10000,15000,20000 | BX 156 | 237,92 | 18,62 | 18,62 | 3,2 |
| 9 | 10000,15000 | BX 157 | 294,46 | 20,98 | 20,98 | 3,2 |
| 11 | 10000,15000 | BX 158 | 352,04 | 23,14 | 23,14 | 3,2 |
| 13 5/8 | 10000 | BX 159 | 426,72 | 25,70 | 25,70 | 3,2 |
| 13 5/8 | 5000 | BX 160 | 402,59 | 13,74 | 23,83 | 3,2 |
| 16 3/4 | | BX 161 | 491,41 | 16,20 | 28,07 | 3,2 |
| 16 3/4 | 5000,10000 | BX 162 | 475,49 | 14,22 | 14,22 | 1,6 |
| 18 3/4 | 5000 | BX 163 | 556,16 | 17,37 | 30,10 | 3,2 |
| 18 3/4 | 10000 | BX 164 | 570,56 | 24,59 | 30,10 | 3,2 |
| 21 1/4 | 5000 | BX 165 | 624,71 | 18,49 | 32,03 | 3,2 |
| 21 1/4 | 10000 | BX 166 | 640,03 | 26,14 | 32,03 | 3,2 |
| 26 3/4 | 2000 | BX 167 | 759,36 | 13,11 | 35,86 | 1,6 |
| 26 3/4 | 3000 | BX 168 | 765,25 | 16,05 | 35,86 | 1,6 |
| 5 1/8 | 10000 | BX 169 | 173,52 | 12,93 | 15,84 | 1,6 |
| 9 | | BX 170 | 218,03 | 14,22 | 14,22 | 1,6 |
| 11 | | BX 171 | 267,44 | 14,22 | 14,22 | 1,6 |
| 13 5/8 | | BX 172 | 333,07 | 14,22 | 14,22 | 1,6 |
| 30 | 2000, 3000 | BX 303 | 852,75 | 16,97 | 37,95 | 1,6 |

Dimensions in mm

Ring Type Joint Gaskets Weight List

Type R Oval and Octagonal Ring Type Joint Gaskets -In accordance ASME B16.20 / API 6A*

| RING NO | ASME B16.5 FLANGES / ASME B16.20 | | | | | API 6B FLANGES / API 6A (psi) | | | | PCD (mm) | WIDTH (mm) | RING HEIGHT | | WEIGHT (kg) |
|---------|----------------------------------|---------|--------|--------|--------|-------------------------------|---------|---------|-------|-------------|---------------|-------------|----------|----------------|
| | 150 | 300-600 | 900 | 1500 | 2500 | 2000 | 3000 | 5000 | 10000 | | | OVAL (mm) | OCT (mm) | |
| R11 | - | 1/2" | - | - | - | - | - | - | - | 34.14 | 6.35 | 11.2 | 9.7 | 0.05 |
| R12 | - | - | 1/2" | 1/2" | - | - | - | - | - | 39.7 | 7.95 | 14.2 | 12.7 | 0.1 |
| R13 | - | 3/4" | - | - | 1/2" | - | - | - | - | 42.88 | 7.95 | 14.2 | 12.7 | 0.1 |
| R14 | - | - | 3/4" | 3/4" | - | - | - | - | - | 44.45 | 7.95 | 14.2 | 12.7 | 0.11 |
| R15 | 1" | - | - | - | - | - | - | - | - | 47.63 | 7.95 | 14.2 | 12.7 | 0.12 |
| R16 | - | 1" | 1" | 1" | 3/4" | 1" | 1" | 1" | - | 50.8 | 7.95 | 14.2 | 12.7 | 0.12 |
| R17 | 1.1/4" | - | - | - | - | - | - | - | - | 57.15 | 7.95 | 14.2 | 12.7 | 0.14 |
| R18 | - | 1.1/4" | 1.1/4" | 1.1/4" | 1" | 1.1/4" | 1.1/4" | 1.1/4" | - | 60.33 | 7.95 | 14.2 | 12.7 | 0.15 |
| R19 | 1.1/2" | - | - | - | - | - | - | - | - | 65.1 | 7.95 | 14.2 | 12.7 | 0.16 |
| R20* | - | 1.1/2" | 1.1/2" | - | 1.1/2" | 1.1/2" | 1.1/2" | 1.1/2" | - | 68.28 | 7.95 | 14.2 | 12.7 | 0.17 |
| R21 | - | - | - | - | 1.1/4" | - | - | - | - | 72.24 | 11.13 | 17.5 | 16 | 0.3 |
| R22 | 2" | - | - | - | - | - | - | - | - | 82.55 | 7.95 | 14.2 | 12.7 | 0.2 |
| R23* | - | 2" | - | - | 1.1/2" | 2.1/16" | - | - | - | 82.55 | 11.13 | 17.5 | 16 | 0.34 |
| R24* | - | - | 2" | 2" | - | - | 2.1/16" | 2.1/16" | - | 95.25 | 11.13 | 17.5 | 16 | 0.39 |
| R25 | 2.1/2" | - | - | - | - | - | - | - | - | 101.6 | 7.95 | 14.2 | 12.7 | 0.25 |
| R26* | - | 2.1/2" | - | - | 2" | 2.9/16" | - | - | - | 101.6 | 11.13 | 17.5 | 16 | 0.42 |
| R27 | - | - | 2.1/2" | 2.1/2" | - | - | 2.9/16" | 2.9/19" | - | 107.95 | 11.13 | 17.5 | 16 | 0.45 |
| R28 | - | - | - | - | 2.1/2" | - | - | - | - | 111.13 | 12.7 | 19.1 | 17.5 | 0.57 |
| R29 | 3" | - | - | - | - | - | - | - | - | 114.3 | 7.95 | 14.2 | 12.7 | 0.28 |
| R30 | - | 3" | - | - | - | - | - | - | - | 117.48 | 11.13 | 17.5 | 16 | 0.48 |
| R31* | - | 3" | 3" | - | - | 3.1/8" | 3.1/8" | - | - | 123.83 | 11.13 | 17.5 | 16 | 0.51 |
| R32 | - | - | - | - | 3 | - | - | - | - | 127 | 12.7 | 19.1 | 17.5 | 0.65 |
| R33 | 3.1/2" | - | - | - | - | - | - | - | - | 131.78 | 7.95 | 14.2 | 12.7 | 0.32 |
| R34 | - | 3.1/2" | - | - | - | - | - | - | - | 131.78 | 11.13 | 17.5 | 16 | 0.54 |
| R35* | - | - | - | 3" | - | - | - | 3.1/8" | - | 136.53 | 11.13 | 17.5 | 16 | 0.56 |
| R36 | 4" | - | - | - | - | - | - | - | - | 149.23 | 7.95 | 14.2 | 12.7 | 0.37 |
| R37* | - | 4" | 4" | - | - | 4.1/16" | 4.1/16" | 3.1/2" | - | 149.23 | 11.13 | 17.5 | 16 | 0.62 |
| R38 | - | - | - | - | 4" | - | - | - | - | 157.18 | 15.88 | 22.4 | 20.6 | 1.16 |
| R39* | - | - | - | 4" | - | - | - | 4.1/16" | - | 161.93 | 11.13 | 17.5 | 16 | 0.67 |
| R40 | 5" | - | - | - | - | - | - | - | - | 171.45 | 7.95 | 14.2 | 12.7 | 0.42 |
| R41 | - | 5" | 5" | - | - | 5.1/8" | 5.1/8" | - | - | 180.98 | 11.13 | 17.5 | 16 | 0.75 |
| R42 | - | - | - | - | 5 | - | - | - | - | 190.5 | 19.05 | 25.4 | 23.9 | 1.91 |
| R43 | 6" | - | - | - | - | - | - | - | - | 193.68 | 7.95 | 14.3 | 12.7 | 0.48 |
| R44* | - | - | - | 5" | - | - | - | 5.1/8" | - | 193.68 | 11.13 | 17.5 | 16 | 0.8 |
| R45* | - | 6" | 6" | - | - | 7.1/16" | 7.1/16" | - | - | 211.15 | 11.13 | 17.5 | 16 | 0.87 |
| R46* | - | - | - | 6" | - | - | - | 7.1/16" | - | 211.15 | 12.7 | 19.05 | 17.5 | 1.08 |
| R47* | - | - | - | - | 6" | - | - | - | - | 228.6 | 19.05 | 25.4 | 23.9 | 2.3 |
| R48 | 8" | - | - | - | - | - | - | - | - | 247.65 | 7.95 | 14.3 | 12.7 | 0.61 |
| R49* | - | 8" | 8" | - | - | 9" | 9" | - | - | 269.88 | 11.13 | 17.5 | 16 | 1.11 |
| R50* | - | - | - | 8" | - | - | - | 9" | - | 269.88 | 15.88 | 22.22 | 20.6 | 1.99 |
| R51 | - | - | - | - | 8" | - | - | - | - | 279.4 | 22.23 | 28.6 | 26.9 | 3.69 |
| R52 | 10" | - | - | - | - | - | - | - | - | 304.8 | 7.95 | 14.3 | 12.7 | 0.75 |
| R53* | - | 10" | 10" | - | - | 11" | 11" | - | - | 323.85 | 11.13 | 17.5 | 16 | 1.34 |
| R54* | - | - | - | 10" | - | - | - | 11" | - | 323.85 | 15.88 | 22.22 | 20.6 | 2.39 |
| R55 | - | - | - | - | 10" | - | - | - | - | 342.9 | 28.58 | 36.51 | 35.1 | 7.68 |
| R56 | 12" | - | - | - | - | - | - | - | - | 381 | 7.95 | 14.3 | 12.7 | 0.93 |
| R57 | - | 12" | 12" | - | - | 13.5/8" | 13.5/8" | - | - | 381 | 11.13 | 17.5 | 16 | 1.57 |
| R58 | - | - | - | 12" | - | - | - | - | - | 381 | 22.23 | 28.6 | 26.9 | 5.03 |
| R59 | 14" | - | - | - | - | - | - | - | - | 396.88 | 7.95 | 14.5 | 12.7 | 0.98 |
| R60 | - | - | - | - | 12" | - | - | - | - | 406.4 | 31.75 | 39.7 | 38.1 | 11.09 |
| R61 | - | 14" | - | - | - | 14" | 14" | - | - | 419.1 | 11.13 | 17.5 | 16 | 1.73 |
| R62 | - | - | 14" | - | - | - | - | - | - | 419.1 | 15.88 | 22.22 | 20.6 | 3.09 |
| R63* | - | - | - | 14" | - | - | - | - | - | 419.1 | 25.4 | 33.33 | 31.8 | 7.54 |
| R64 | 16" | - | - | - | - | - | - | - | - | 454.03 | 7.95 | 14.2 | 12.7 | 1.12 |
| R65* | - | 16" | - | - | - | 16.3/4" | 16.3/4" | - | - | 469.9 | 11.13 | 17.5 | 16 | 1.89 |
| R66* | - | - | 16" | - | - | - | - | - | - | 469.9 | 15.88 | 22.4 | 20.6 | 3.4 |
| R67 | - | - | - | 16" | - | - | - | - | - | 469.9 | 28.58 | 36.6 | 35.1 | 10.53 |
| R68 | 18" | - | - | - | - | - | - | - | - | 517.53 | 7.95 | 14.2 | 12.7 | 1.28 |
| R69* | - | 18" | - | - | - | 18" | - | - | - | 533.4 | 11.13 | 17.5 | 16 | 2.2 |
| R70* | - | - | 18" | - | - | - | 18" | - | - | 533.4 | 19.05 | 25.4 | 23.9 | 5.35 |
| R71 | - | - | - | 18" | - | - | - | - | - | 533.4 | 28.58 | 36.6 | 35.1 | 11.95 |
| R72 | 20" | - | - | - | - | - | - | - | - | 558.8 | 7.95 | 14.2 | 12.7 | 1.38 |
| R73* | - | 20" | - | - | - | 20.3/4" | - | - | - | 584.2 | 12.7 | 19.1 | 17.5 | 2.99 |

Ring Type Joint Gaskets Weight List

Continued.

Type R Oval and Octagonal Ring Type Joint Gaskets - In accordance ASME B16.20 / API 6A*

| RING NO | ASME B16.5 FLANGES / ASME B16.20 | | | | | API 6B FLANGES / API 6A (psi) | | | | PCD (mm) | WIDTH (mm) | RING HEIGHT | | WEIGHT (kg) |
|---------|----------------------------------|---------|-----|------|------|-------------------------------|---------|------|--------|-------------|---------------|-------------|----------|----------------|
| | 150 | 300-600 | 900 | 1500 | 2500 | 2000 | 3000 | 5000 | 10000 | | | OVAL (mm) | OCT (mm) | |
| R74* | - | - | 20" | - | - | - | 20.3/4" | - | - | 584.2 | 19.05 | 25.4 | 23.9 | 5.85 |
| R75 | - | - | - | 20" | - | - | - | - | - | 584.2 | 31.75 | 39.6 | 38.1 | 15.94 |
| R76 | 24" | - | - | - | - | - | - | - | - | 673.1 | 7.95 | 14.2 | 12.7 | 1.66 |
| R77 | - | 24" | - | - | - | - | - | - | - | 692.15 | 15.88 | 22.4 | 20.6 | 5.11 |
| R78 | - | - | 24" | - | - | - | - | - | - | 692.15 | 25.4 | 33.3 | 31.8 | 12.46 |
| R79 | - | - | - | 24" | - | - | - | - | - | 692.15 | 34.93 | 44.5 | 41.4 | 22.58 |
| R80 | 22" | - | - | - | - | - | - | - | - | 615.95 | 7.95 | 14.29 | 12.7 | 1.59 |
| R81 | - | 22" | - | - | - | - | - | - | - | 635 | 14.3 | 20.64 | 19.1 | 4.05 |
| R82* | - | - | - | - | - | - | - | - | 1" | 57.15 | 11.13 | 17.46 | 16 | 0.23 |
| R84* | - | - | - | - | - | - | - | - | 1.1/2" | 63.5 | 11.13 | 17.46 | 16 | 0.25 |
| R85* | - | - | - | - | - | - | - | - | 2" | 79.38 | 12.7 | 19.05 | 17.5 | 0.4 |
| R86* | - | - | - | - | - | - | - | - | 2.1/2" | 90.5 | 15.88 | 22.22 | 20.6 | 0.65 |
| R87* | - | - | - | - | - | - | - | - | 3" | 100.03 | 15.88 | 22.22 | 20.6 | 0.72 |
| R88* | - | - | - | - | - | - | - | - | 4" | 123.83 | 19.05 | 25.4 | 23.9 | 1.22 |
| R89* | - | - | - | - | - | - | - | - | 3.1/2" | 114.3 | 19.05 | 25.4 | 23.9 | 1.13 |
| R90* | - | - | - | - | - | - | - | - | 5" | 155.58 | 22.23 | 28.58 | 26.9 | 2.05 |
| R91* | - | - | - | - | - | - | - | - | 10" | 260.35 | 31.75 | 39.68 | 38.1 | 7.1 |
| R92 | - | - | - | - | - | - | - | - | - | 228.6 | 11.13 | 17.5 | 16 | 0.94 |
| R93 | - | 26" | - | - | - | - | - | - | - | 749.3 | 19.05 | 25.4 | 23.9 | 7.4 |
| R94 | - | 28" | - | - | - | - | - | - | - | 800.1 | 19.05 | 25.4 | 23.9 | 7.9 |
| R95 | - | 30" | - | - | - | - | - | - | - | 857.25 | 19.05 | 25.4 | 23.9 | 8.47 |
| R96 | - | 32" | - | - | - | - | - | - | - | 914.4 | 22.23 | 28.58 | 26.9 | 12.08 |
| R97 | - | 34" | - | - | - | - | - | - | - | 965.2 | 22.23 | 28.58 | 26.9 | 12.75 |
| R98 | - | 36" | - | - | - | - | - | - | - | 1022.35 | 22.23 | 28.58 | 26.9 | 13.51 |
| R99* | - | - | - | - | - | 8" | 8" | - | - | 234.95 | 11.13 | 17.46 | 16 | 0.95 |
| R100 | - | - | 26" | - | - | - | - | - | - | 749.3 | 28.58 | 36.51 | 35.1 | 16.79 |
| R101 | - | - | 28" | - | - | - | - | - | - | 800.1 | 31.75 | 39.68 | 38.1 | 21.83 |
| R102 | - | - | 30" | - | - | - | - | - | - | 857.25 | 31.75 | 39.68 | 38.1 | 23.39 |
| R103 | - | - | 32" | - | - | - | - | - | - | 914.4 | 31.75 | 39.68 | 38.1 | 24.95 |
| R104 | - | - | 34" | - | - | - | - | - | - | 965.2 | 34.93 | 44.45 | 41.4 | 31.49 |
| R105 | - | - | 36" | - | - | - | - | - | - | 1022.35 | 34.93 | 44.45 | 41.4 | 33.35 |

Ring Type Joint Gaskets Weight List

BX Ring Type Joint Gaskets - In accordance ASME B16.20 / API 6A

| RING NO | API 6B FLANGES / API 6A (psi) | | | | | | OD | HEIGHT | WIDTH | HOLE SIZE | WEIGHT |
|---------|-------------------------------|---------|---------|----------|----------|----------|--------|--------|-------|-----------|--------|
| | 2000 | 3000 | 5000 | 10000 | 15000 | 20000 | (mm) | (mm) | (mm) | (mm) | (kg) |
| BX150 | - | - | - | 1.11/16" | 1.11/16" | - | 72.19 | 9.3 | 9.3 | 1.5 | 0.134 |
| BX151 | - | - | - | 1.13/16" | 1.13/16" | 1.13/16" | 76.4 | 9.63 | 9.63 | 1.5 | 0.153 |
| BX152 | - | - | - | 2.1/16" | 2.1/16" | 2.1/16" | 84.68 | 10.24 | 10.24 | 1.5 | 0.193 |
| BX153 | - | - | - | 2.9/16" | 2.9/16" | 2.9/16" | 100.94 | 11.38 | 11.38 | 1.5 | 0.287 |
| BX154 | - | - | - | 3.1/16" | 3.1/16" | 3.1/16" | 116.84 | 12.4 | 12.4 | 1.5 | 0.398 |
| BX155 | - | - | - | 4.1/16" | 4.1/16" | 4.1/16" | 147.96 | 14.22 | 14.22 | 1.5 | 0.555 |
| BX156 | - | - | - | 7.1/16" | 7.1/16" | 7.1/16" | 237.92 | 18.62 | 18.62 | 3 | 1.882 |
| BX157 | - | - | - | 9" | 9" | 9" | 294.46 | 20.98 | 20.98 | 3 | 2.977 |
| BX158 | - | - | - | 11" | 11" | 11" | 352.04 | 23.14 | 23.14 | 3 | 4.364 |
| BX159 | - | - | - | 13.5/8" | 13.5/8" | 13.5/8" | 426.72 | 25.7 | 25.7 | 3 | 6.55 |
| BX160 | - | - | 13.5/8" | - | - | - | 402.59 | 23.83 | 13.74 | 3 | 3.068 |
| BX161 | - | - | 16.3/4" | - | - | - | 491.41 | 28.07 | 16.21 | 3 | 5.35 |
| BX162 | - | - | 16.3/4" | 16.3/4" | - | - | 475.49 | 14.22 | 14.22 | 1.5 | 1.99 |
| BX163 | - | - | 18.3/4" | - | - | - | 556.16 | 30.1 | 17.37 | 3 | 6.534 |
| BX164 | - | - | - | 18.3/4" | 18.3/4" | - | 570.56 | 30.1 | 24.59 | 3 | 9.545 |
| BX165 | - | - | 21.1/4" | - | - | - | 624.71 | 32.03 | 18.49 | 3 | 8.76 |
| BX166 | - | - | - | 21.1/4" | - | - | 640.03 | 32.03 | 26.14 | 3 | 12.82 |
| BX167 | 26.3/4" | - | - | - | - | - | 759.36 | 35.86 | 13.11 | 1.5 | 8.53 |
| BX168 | - | 26.3/4" | - | - | - | - | 765.25 | 35.86 | 16.05 | 1.5 | 11.14 |
| BX169 | - | - | - | 5.1/8" | - | - | 173.51 | 15.85 | 12.93 | 1.5 | 0.73 |
| BX170 | - | - | - | 6.5/8" | 6.5/8" | - | 218.03 | 14.22 | 14.22 | 1.5 | 1.03 |
| BX171 | - | - | - | 8.9/16" | 8.9/16" | - | 267.44 | 14.22 | 14.22 | 1.5 | 1.24 |
| BX172 | - | - | - | 11.5/32" | 11.5/32" | - | 333.07 | 14.22 | 14.22 | 1.5 | 1.56 |
| BX303 | 30" | 30" | - | - | - | - | 852.75 | 37.95 | 16.97 | 1.5 | - |

Ring Type Joint Gaskets Weight List

RX Ring Type Joint Gaskets - In accordance ASME B16.20 / API 6A

| RING NO | API 6B FLANGES / API 6A (psi) | | | | OD | HEIGHT | WIDTH | HOLE SIZE | WEIGHT |
|---------|-------------------------------|--------|------------------|------------------|--------|--------|--------|-----------|--------|
| | 2000 | 2900 | 3000 | 5000 | (mm) | (mm) | (mm) | (mm) | (kg) |
| RX20 | 1.1/2" | - | 1.1/2" | 1.1/2" | 76.2 | 19.05 | 8.4 | - | 0.24 |
| RX23 | 2.1/16" | - | - | - | 93.27 | 25.4 | 11.91 | - | 0.52 |
| RX24 | - | - | 2.1/16" | 2.1/16" | 105.97 | 25.4 | 11.91 | - | 0.6 |
| RX25 | - | - | - | 3.1/8" | 109.55 | 19.05 | 8.74 | - | 0.65 |
| RX26 | 2.1/2" - 2.9/16" | - | - | - | 111.91 | 25.4 | 11.91 | - | 0.68 |
| RX27 | - | - | 2.1/2" - 2.9/16" | 2.1/2" - 2.9/16" | 118.26 | 25.4 | 119.91 | - | 0.68 |
| RX31 | 3" - 3.1/8" | - | 3" - 3.1/8" | - | 134.54 | 25.4 | 11.91 | - | 0.78 |
| RX35 | - | - | - | 3" - 3.1/8" | 147.24 | 25.4 | 11.91 | - | 0.86 |
| RX37 | 4" - 4.1/16" | - | 4" - 4.1/16" | - | 159.94 | 25.4 | 11.91 | - | 0.95 |
| RX39 | - | - | - | 4" - 4.1/16" | 172.64 | 25.4 | 11.91 | - | 1.03 |
| RX41 | 5" - 5.1/8" | - | 5" - 5.1/8" | - | 191.69 | 25.4 | 11.91 | - | 1.15 |
| RX44 | - | - | - | 5" - 5.1/8" | 204.39 | 25.4 | 11.91 | - | 1.23 |
| RX45 | 6" - 7.1/16" | - | 6" - 7.1/16" | - | 221.84 | 25.4 | 11.91 | - | 1.34 |
| RX46 | - | - | - | 6" - 7.1/16" | 222.25 | 28.58 | 13.49 | - | 1.66 |
| RX47 | - | - | - | 8" | 245.26 | 41.28 | 19.84 | - | 3.88 |
| RX49 | 8" - 9" | - | 8" - 9" | - | 280.59 | 25.4 | 11.91 | - | 1.72 |
| RX50 | - | - | - | 8" - 9" | 283.36 | 31.75 | 16.66 | - | 2.43 |
| RX53 | 10" - 11" | - | 10" - 11" | - | 334.57 | 25.4 | 11.91 | - | 2.06 |
| RX54 | - | - | - | 10" - 11" | 337.34 | 31.75 | 16.66 | - | 2.92 |
| RX57 | 12" - 13 5/8" | - | 12" - 13 5/8" | - | 391.72 | 25.4 | 11.91 | - | 2.42 |
| RX63 | - | - | - | 14" | 441.73 | 50.8 | 27 | - | 11.96 |
| RX65 | 16" - 16 3/4" | - | - | - | 480.62 | 25.4 | 11.91 | - | 3 |
| RX66 | - | - | 16" - 16.3/4" | - | 457.99 | 31.75 | 16.66 | - | 4.26 |
| RX69 | 18" | - | - | - | 544.12 | 25.4 | 11.91 | - | 3.41 |
| RX70 | - | - | 18" | - | 550.06 | 41.28 | 19.84 | - | 9.15 |
| RX73 | 20" - 21.1/4" | - | - | - | 596.11 | 31.75 | 13.49 | - | 5.27 |
| RX74 | - | - | 20" - 20.3/4" | - | 600.86 | 41.28 | 19.84 | - | 10.01 |
| RX82 | - | 1" | - | - | 67.87 | 25.4 | 11.91 | 1.5 | 0.36 |
| RX84 | - | 1.1/2" | - | - | 74.22 | 25.4 | 11.91 | 1.5 | 0.4 |
| RX85 | - | 2" | - | - | 90.09 | 25.4 | 13.49 | 1.5 | 0.4 |
| RX86 | - | 2.1/2" | - | - | 103.58 | 28.58 | 15.09 | 2.3 | 0.81 |
| RX87 | - | 3" | - | - | 113.11 | 28.58 | 15.09 | 2.3 | 0.9 |
| RX88 | - | 4" | - | - | 139.29 | 31.75 | 17.48 | 3 | 1.46 |
| RX89 | - | 3.1/2" | - | - | 129.77 | 31.75 | 18.26 | 3 | 3.1 |
| RX90 | - | 5" | - | - | 174.63 | 44.45 | 19.84 | 3 | 7.75 |
| RX91 | - | 10" | - | - | 286.94 | 45.24 | 30.18 | 3 | 1.5 |
| RX99 | 8" | - | 8" | - | 245.67 | 25.4 | 11.91 | - | 2.2 |
| RX201 | - | - | - | 1.3/8" | 51.46 | 11.3 | 5.74 | - | 0.1 |
| RX205 | - | - | - | 1.13/16" | 62.31 | 11.1 | 5.56 | - | 0.13 |
| RX210 | - | - | - | 2.9/16" | 97.64 | 19.05 | 9.53 | - | 0.35 |
| RX215 | - | - | - | 4.1/16" | 140.89 | 25.4 | 11.91 | - | 0.8 |

Ring Type Joint Gaskets Weight List

IX Ring Joint Gaskets for Compact Flanges

In accordance Norsok L-005.

| NOMINAL SIZE | | SEAL RING | ID | OD | Height | WEIGHT |
|--------------|--------|-----------|--------|--------|--------|--------|
| DN | NPS | IX SIZE | (mm) | (mm) | (mm) | (kg) |
| 15 | 1/2" | IX15 | 22.2 | 30.2 | 10 | 0.02 |
| 20 | 3/4" | IX20 | 27.2 | 35.2 | 10 | 0.03 |
| 25 | 1" | IX25 | 34.2 | 42.2 | 10 | 0.03 |
| 40 | 1.1/2" | IX40 | 49.3 | 58.2 | 10.6 | 0.05 |
| 50 | 2" | IX50 | 61.3 | 71.1 | 11.8 | 0.08 |
| 65 | 2.1/2" | IX65 | 74.4 | 85 | 13 | 0.12 |
| 80 | 3" | IX80 | 89.5 | 101 | 14.2 | 0.17 |
| 100 | 4" | IX100 | 115.7 | 128.8 | 16.2 | 0.28 |
| 125 | 5" | IX125 | 142 | 156.8 | 17.9 | 0.42 |
| 150 | 6" | IX150 | 170.2 | 186.7 | 19.6 | 0.62 |
| 200 | 8" | IX200 | 220.5 | 238.5 | 22.4 | 0.99 |
| 250 | 10" | IX250 | 274.9 | 298.4 | 25.2 | 1.85 |
| 300 | 12" | IX300 | 325 | 347.4 | 27.1 | 2-18 |
| 350 | 14" | IX350 | 357.1 | 380.3 | 28.5 | 2.6 |
| 400 | 16" | IX400 | 409.3 | 434.3 | 30.5 | 3.43 |
| 450 | 18" | IX450 | 459.4 | 486.2 | 32.3 | 4.38 |
| 500 | 20" | IX500 | 511.6 | 539.2 | 34.1 | 5.27 |
| 550 | 22" | IX550 | 561.7 | 591.2 | 35.7 | 6.48 |
| 600 | 24" | IX600 | 611.9 | 642.2 | 37.3 | 7.55 |
| 650 | 26" | IX650 | 664 | 695.2 | 38.8 | 8.74 |
| 700 | 28" | IX700 | 714.1 | 747.2 | 40.2 | 10.4 |
| 750 | 30" | IX750 | 766.3 | 800.2 | 41.7 | 11.8 |
| 800 | 32" | IX800 | 816.4 | 851.2 | 43 | 13.3 |
| 850 | 34" | IX850 | 866.6 | 902.2 | 44.3 | 14.8 |
| 900 | 36" | IX900 | 918.7 | 956.2 | 45.6 | 17.1 |
| 950 | 38" | IX950 | 968.8 | 1007.2 | 46.9 | 18.9 |
| 1000 | 40" | IX1000 | 1021 | 1060.2 | 48.1 | 20.9 |
| 1050 | 42" | IX1050 | 1071.1 | 1111.3 | 49.3 | 23 |
| 1100 | 44" | IX1100 | 1121.3 | 1162.3 | 50.4 | 25.1 |
| 1150 | 46" | IX1150 | 1173.4 | 1215.3 | 51.6 | 27.5 |
| 1200 | 48" | IX1200 | 1223.6 | 1266.3 | 52.7 | 29.9 |