

The **revoseal** delivery program

Standard gaskets

As to complete the product portfolio and for the qualification as full-range provider revoseal offers also all established standard gaskets like metal gaskets with soft materials (grooved gaskets and spiral wound gaskets) as well as metal gaskets in all industry standards and manufactured from a wide variety of materials.

revoseal SWG
spiral wound gaskets



revoseal KJ
grooved gaskets



revoseal RJ
ring joint gaskets







revoseal SJ
weld ring gaskets





Highlights

- › total thickness: 4.5 mm (additional thicknesses on request)
- › available in different carrier materials
- › available with graphite, PTFE or Mica als filler material
- › factory standards: EN1514-2, ASME B16.20 etc.
(also available in special dimensions)

| <i>type</i> | <i>cross section</i> | <i>designation</i> |
|-------------|---|--|
| SIA |  | Spiral wound gasket with inner and outer ring, with graphite or PTFE filler material |
| SI |  | Spiral wound gasket with inner ring and graphite or PTFE filler material |
| SA |  | Spiral wound gasket with outer ring and graphite or PTFE filler material |
| S |  | Spiral wound gasket without inner and outer ring, with graphite or PTFE filler material (e.g. for tongue & groove) |

Grooved gaskets



Highlights

- › total thickness: 5.0 mm (4.0 mm metal core + 2x 0.5 mm graphite layer)
(additional thicknesses on request)
- › available in different carrier materials
- › available with graphite or PTFE layer
- › All designs also available with crowned profile
- › factory standards: EN1514-6, EN 12560-6, ASME B16.20, etc.
(also available in special dimensions)

| type | cross section | designation |
|-------------|---|--|
| KJ1 | A cross-sectional diagram of a gasket between two metal plates. The gasket has a blue, zigzag internal structure. There is no centering ring. | Grooved gasket without centering ring, with graphite or PTFE coating |
| KJ2 | A cross-sectional diagram of a gasket between two metal plates. The gasket has a blue, zigzag internal structure. It features a centering ring on the left side and a groove on the right side. | Grooved gasket with centering ring, breaking point groove and graphite or PTFE coating |
| KJ3 | A cross-sectional diagram of a gasket between two metal plates. The gasket has a blue, zigzag internal structure. It features a loose centering ring on the left side. | Grooved gasket with loose centering ring and graphite or PTFE coating |



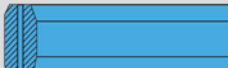

Ring joint gaskets



Ring joint gaskets (series RJ) by revoseal are applied primarily in refineries and in the petro-chemical industry.

Highlights

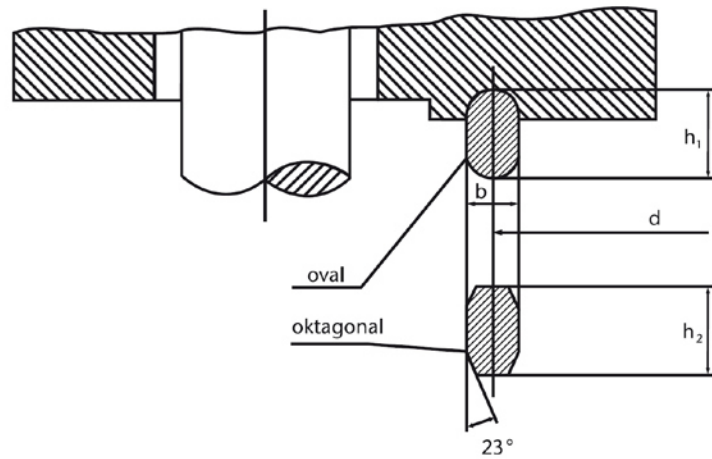
- › factory standard: ASME B16.20

| type | cross section | designation |
|---------|---|-------------------------------------|
| RJ – O |  | ring joint gasket, oval design |
| RJ – K |  | ring joint gasket, octagonal design |
| RJ – RX |  | ring joint gasket, type RX |
| RJ – BX |  | ring joint gasket, type BX |

materials and marking

| short designation | material number | hardness (HB) | US type AISI | marking |
|-------------------|-----------------|---------------|------------------|---------|
| pure iron, Armco | 1.1003 | 90-100 | Soft-Iron | D |
| low carbon steel | - | 120 | Low-Carbon-Steel | S |
| 13 CrMo 44 | 1.7335 | ca. 130 | - | 7335 |
| 13 CrMo 195 | 1.7326 | ca. 130 | 501 | F5 |
| X6 Cr 13 | 1.4000 | ca. 160 | 410 | S 410 |
| X5 CrNi 1810 | 1.4301 | ca. 160 | 304 | S 304 |
| X5 CrNiMo 17122 | 1.4401 | ca. 160 | 316 | S 316 |
| X6 CrNiTi 1810 | 1.4541 | ca. 160 | 321 | S 321 |
| X6 CrNiNb 1810 | 1.4550 | ca. 160 | 347 | S 347 |
| X6 CrNiMoTi 17112 | 1.4571 | ca. 160 | 316 Ti | 316 Ti |

Ring joint gaskets RJ-O, RJ-K



Dimension table type RJ-O, RJ-K

according to ANSI B16.20 or API Std. 6 A

| ring | [DN] inch | [PN] lbs | ring dimensions | | | |
|------|-----------|------------|-----------------|-------|--------|-------------|
| | | | d | b | h oval | d octagonal |
| R11 | ½ | 300 – 600 | 34.13 | 6.35 | 11.11 | 9.52 |
| R12 | ½ | 900 – 1500 | 39.68 | 7.93 | 14.28 | 12.70 |
| R13 | ½ | 2500 | 42.86 | 7.93 | 14.28 | 12.70 |
| R13 | ¾ | 300 – 600 | 42.86 | 7.93 | 14.28 | 12.70 |
| R14 | ¾ | 900 – 1500 | 44.45 | 7.93 | 14.28 | 12.70 |
| R15 | 1 | 150 | 47.62 | 7.93 | 14.28 | 12.70 |
| R16 | ¾ | 2500 | 50.80 | 7.93 | 14.28 | 12.70 |
| R16 | 1 | 300 – 1500 | 50.80 | 7.93 | 14.28 | 12.70 |
| R17 | 1 ¼ | 150 | 57.15 | 7.93 | 14.28 | 12.70 |
| R18 | 1 | 2500 | 60.32 | 7.93 | 14.28 | 12.70 |
| R18 | 1 ¼ | 300 – 1500 | 60.32 | 7.93 | 14.28 | 12.70 |
| R19 | 1 ½ | 150 | 65.08 | 7.93 | 14.28 | 12.70 |
| R20 | 1 ½ | 300 – 1500 | 68.26 | 7.93 | 14.28 | 12.70 |
| R21 | 1 ¼ | 2500 | 72.23 | 11.11 | 17.46 | 15.87 |
| R22 | 2 | 150 | 82.55 | 7.93 | 14.28 | 12.70 |
| R23 | 1 ½ | 2500 | 82.55 | 11.11 | 17.46 | 15.87 |
| R23 | 2 | 300 – 600 | 82.55 | 11.11 | 17.46 | 15.87 |
| R24 | 2 | 900 – 1500 | 95.25 | 11.11 | 17.46 | 15.87 |
| R25 | 2 ½ | 150 | 101.60 | 7.93 | 14.28 | 12.70 |
| R26 | 2 | 2500 | 101.60 | 11.11 | 17.46 | 15.87 |
| R26 | 2 ½ | 300 – 600 | 101.60 | 11.11 | 17.46 | 15.87 |
| R27 | 2 ½ | 900 – 1500 | 107.95 | 11.11 | 17.46 | 15.87 |
| R28 | 2 ½ | 2500 | 111.12 | 12.70 | 19.05 | 17.46 |
| R29 | 3 | 150 | 114.30 | 7.93 | 14.28 | 12.70 |
| R30 | 3 | 300 – 600 | 117.47 | 11.11 | 17.46 | 15.87 |
| R31 | 3 | 300 – 900 | 123.82 | 11.11 | 17.46 | 15.87 |
| R32 | 3 | 2500 | 127.00 | 12.70 | 19.05 | 17.46 |
| R33 | 3 ½ | 150 | 131.76 | 7.93 | 14.28 | 12.07 |
| R34 | 3 ½ | 300 – 600 | 131.76 | 11.11 | 17.46 | 15.87 |
| R35 | 3 | 1500 | 136.52 | 11.11 | 17.46 | 15.87 |
| R36 | 4 | 150 | 149.22 | 7.93 | 14.28 | 12.70 |
| R37 | 4 | 300 – 900 | 149.22 | 11.11 | 17.46 | 15.87 |
| R38 | 4 | 2500 | 157.16 | 15.87 | 22.22 | 20.64 |
| R39 | 4 | 1500 | 161.92 | 11.11 | 17.46 | 15.87 |
| R40 | 5 | 150 | 171.45 | 7.93 | 14.28 | 12.70 |

| ring | [DN] inch | [PN] lbs | ring dimensions | | | |
|------|-----------|-----------|-----------------|-------|--------|-------------|
| | | | d | b | h oval | d octagonal |
| R41 | 5 | 300 – 900 | 180.97 | 11.11 | 17.46 | 15.87 |
| R42 | 5 | 2500 | 190.50 | 19.05 | 25.40 | 23.81 |
| R43 | 6 | 150 | 193.67 | 7.93 | 14.28 | 12.70 |
| R44 | 5 | 1500 | 193.67 | 11.11 | 17.46 | 15.87 |
| R45 | 6 | 300 – 900 | 211.13 | 11.11 | 17.46 | 15.87 |
| R46 | 6 | 1500 | 211.13 | 12.70 | 19.05 | 17.46 |
| R47 | 6 | 2500 | 228.60 | 19.05 | 25.40 | 23.81 |
| R48 | 8 | 150 | 247.65 | 7.93 | 14.28 | 12.70 |
| R49 | 8 | 300 – 900 | 269.87 | 11.11 | 17.46 | 15.87 |
| R50 | 8 | 1500 | 269.87 | 15.87 | 22.22 | 20.64 |
| R51 | 8 | 2500 | 279.40 | 22.22 | 25.57 | 26.99 |
| R52 | 10 | 150 | 304.80 | 7.93 | 14.28 | 12.70 |
| R53 | 10 | 300 – 900 | 323.85 | 11.11 | 17.46 | 15.87 |
| R54 | 10 | 1500 | 323.85 | 15.87 | 22.22 | 20.64 |
| R55 | 10 | 2500 | 342.90 | 28.57 | 36.51 | 34.92 |
| R56 | 12 | 150 | 381.00 | 7.93 | 14.28 | 12.70 |
| R57 | 12 | 300 – 900 | 381.00 | 11.11 | 17.46 | 15.87 |
| R58 | 12 | 1500 | 381.00 | 22.22 | 28.57 | 26.99 |
| R59 | 14 | 150 | 396.87 | 7.93 | 14.28 | 12.70 |
| R60 | 12 | 2500 | 406.40 | 31.75 | 39.68 | 38.10 |
| R61 | 14 | 300 – 600 | 419.10 | 11.11 | 17.46 | 15.87 |
| R62 | 14 | 900 | 419.10 | 15.87 | 22.22 | 20.64 |
| R63 | 14 | 1500 | 419.10 | 25.40 | 33.33 | 31.75 |
| R64 | 16 | 150 | 454.02 | 7.93 | 14.28 | 12.70 |
| R65 | 16 | 300 – 600 | 469.90 | 11.11 | 17.46 | 15.87 |
| R66 | 16 | 900 | 469.90 | 15.87 | 22.22 | 20.64 |
| R67 | 16 | 1500 | 469.90 | 28.57 | 36.51 | 34.92 |
| R68 | 18 | 150 | 517.52 | 7.93 | 14.28 | 12.70 |
| R69 | 18 | 300 – 600 | 533.40 | 11.11 | 17.46 | 15.87 |
| R70 | 18 | 900 | 533.40 | 19.05 | 25.40 | 23.81 |
| R71 | 18 | 1500 | 533.40 | 28.57 | 36.51 | 34.92 |
| R72 | 20 | 150 | 558.80 | 7.93 | 14.28 | 12.70 |
| R73 | 20 | 300 – 600 | 584.20 | 12.70 | 19.05 | 17.46 |
| R74 | 20 | 900 | 584.20 | 19.05 | 25.40 | 23.81 |
| R75 | 20 | 1500 | 584.20 | 31.75 | 39.68 | 38.10 |
| R76 | 24 | 150 | 673.10 | 7.93 | 14.28 | 12.70 |
| R77 | 24 | 300 – 600 | 692.15 | 15.87 | 22.22 | 20.64 |
| R78 | 24 | 900 | 692.15 | 25.40 | 33.33 | 31.75 |
| R79 | 24 | 1500 | 692.15 | 34.92 | 44.45 | 41.27 |
| R80 | 22 | 150 | 615.95 | 7.93 | - | 12.70 |
| R81 | 22 | 300 – 600 | 635.00 | 14.28 | - | 19.05 |
| R82 | 1 | 10000 | 57.15 | 11.11 | - | 15.87 |
| R84 | 1 ½ | 10000 | 63.50 | 11.11 | - | 15.87 |
| R85 | 2 | 10000 | 79.37 | 12.70 | - | 17.46 |
| R86 | 2 ½ | 10000 | 90.49 | 15.87 | - | 20.63 |
| R87 | 3 | 10000 | 100.01 | 15.87 | - | 20.63 |
| R88 | 4 | 10000 | 123.83 | 19.05 | - | 23.81 |
| R89 | 3 ½ | 10000 | 114.30 | 19.05 | - | 23.81 |
| R90 | 5 | 10000 | 155.58 | 22.22 | - | 26.98 |
| R91 | 10 | 10000 | 260.35 | 31.75 | - | 38.10 |
| R92 | X | - | 228.60 | 11.11 | 17.46 | 15.87 |
| R93 | 26 | 300 – 600 | 749.30 | 19.05 | - | 23.81 |
| R94 | 28 | 300 – 600 | 800.10 | 19.05 | - | 23.81 |

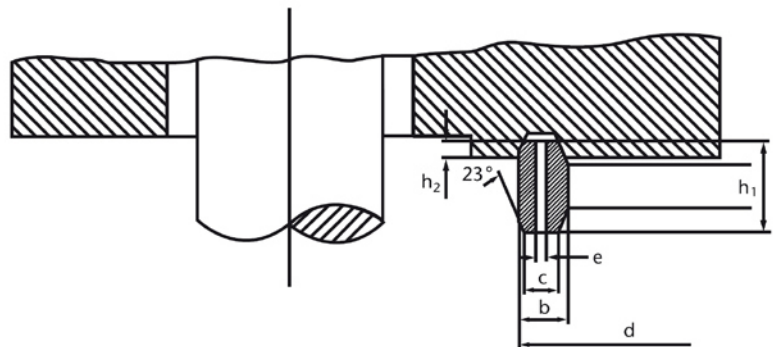
| ring | [DN] inch | [PN] lbs | ring dimensions | | | |
|------|-----------|-------------|-----------------|-------|--------|-------------|
| | | | d | b | h oval | d octagonal |
| R95 | 30 | 300 – 600 | 857.25 | 19.05 | - | 23.81 |
| R96 | 32 | 300 – 600 | 914.40 | 22.22 | - | 26.98 |
| R97 | 34 | 300 – 600 | 965.20 | 22.22 | - | 26.98 |
| R98 | 36 | 300 – 600 | 1022.35 | 22.22 | - | 26.98 |
| R99 | 8 | 2000 – 3000 | 234.95 | 11.11 | - | 15.87 |
| R100 | 26 | 900 | 749.30 | 28.57 | - | 34.92 |
| R101 | 28 | 900 | 800.10 | 31.75 | - | 38.10 |
| R102 | 30 | 900 | 857.25 | 31.75 | - | 38.10 |
| R103 | 32 | 900 | 914.40 | 31.75 | - | 38.10 |
| R104 | 34 | 900 | 965.20 | 34.92 | - | 41.27 |
| R105 | 36 | 900 | 1022.35 | 34.92 | - | 41.27 |

X not standardized. Additional dimensions available.

Tolerances: $d \pm 0.18$ mm, $b \pm 0.2$ mm, h_0 and $h_k \pm 0.4$ mm

Design according to revoseal factory standard

Ring joint gaskets RJ – RX



Dimension table type RJ – RX

according to ANSI B16.20 or API Std. 6 A

| ring | [DN] inch | [PN] lbs | ring dimensions | | | | h2 | bore e |
|------|-----------|------------------|-----------------|-------|------|-------|------|--------|
| | | | d | b | c | h1 | | |
| RX20 | 1 | 2000. 3000. 5000 | 76.20 | 8.73 | 4.62 | 19.05 | 3.18 | - |
| RX23 | 2 | 2000 | 93.27 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX24 | 2 | 3000. 5000 | 105.97 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX25 | 3 | 5000 | 109.54 | 8.73 | 4.62 | 19.05 | 3.18 | - |
| RX26 | 2 | 2000 | 111.92 | 11.91 | 6.45 | 25.40 | 3.78 | - |
| RX27 | 2 | 3000. 5000 | 118.27 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX31 | 3 | 2000. 3000 | 134.54 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX35 | 3 | 5000 | 147.24 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX37 | 4 | 2000. 3000 | 159.94 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX39 | 4 | 5000 | 172.64 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX41 | 5 | 2000. 3000 | 191.69 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX44 | 5 | 5000 | 204.39 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX45 | 6 | 2000. 3000 | 221.85 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX46 | 6 | 5000 | 222.85 | 13.49 | 6.68 | 28.58 | 4.78 | - |

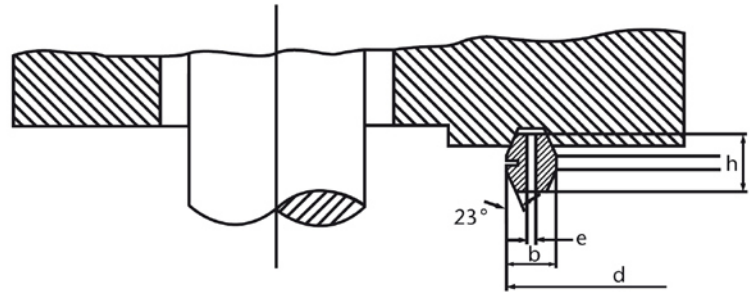
| ring | [DN] inch | [PN] lbs | ring dimensions | | | | h2 | bore e |
|-------|-----------|------------------|-----------------|-------|-------|-------|------|--------|
| | | | d | b | c | h1 | | |
| RX47 | 8 | crossover flange | 245.30 | 19.84 | 10.34 | 41.28 | 6.88 | - |
| RX49 | 8 | 2000. 3000 | 280.59 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX50 | 8 | 5000 | 283.37 | 16.67 | 8.51 | 31.75 | 5.28 | - |
| RX53 | 10 | 2000. 3000 | 334.57 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX54 | 10 | 5000 | 337.34 | 16.67 | 8.51 | 31.75 | 5.28 | - |
| RX57 | 12 | 2000. 3000 | 391.72 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX63 | 14 | 5000 | 441.72 | 26.99 | 14.78 | 50.80 | 8.46 | - |
| RX65 | 16 | 2000 | 480.62 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX66 | 16 | 3000 | 483.39 | 16.67 | 8.51 | 31.75 | 5.28 | - |
| RX69 | 18 | 2000 | 544.10 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX70 | 18 | 3000 | 550.10 | 19.84 | 10.34 | 41.28 | 6.88 | - |
| RX73 | 20 | 2000 | 596.10 | 13.49 | 6.68 | 31.75 | 5.28 | - |
| RX74 | 20 | 3000 | 600.87 | 19.84 | 10.34 | 41.28 | 6.88 | - |
| RX82 | X | - | 67.87 | 11.91 | 6.45 | 25.40 | 4.24 | 1.6 |
| RX84 | X | - | 74.22 | 11.91 | 6.45 | 25.40 | 4.24 | 1.6 |
| RX85 | X | - | 90.09 | 13.49 | 6.68 | 25.40 | 4.24 | 1.6 |
| RX86 | X | - | 103.58 | 15.08 | 8.51 | 28.58 | 4.78 | 2.4 |
| RX87 | X | - | 113.11 | 15.08 | 8.51 | 28.58 | 4.78 | 2.4 |
| RX88 | X | - | 139.30 | 17.46 | 10.34 | 31.75 | 5.28 | 3.2 |
| RX89 | X | - | 129.78 | 18.26 | 10.34 | 31.75 | 5.28 | 3.2 |
| RX90 | X | - | 174.62 | 19.84 | 12.17 | 44.45 | 7.42 | 3.2 |
| RX91 | X | - | 286.94 | 30.16 | 19.81 | 45.24 | 7.54 | 3.2 |
| RX99 | X | - | 245.67 | 11.91 | 6.45 | 25.40 | 4.24 | - |
| RX201 | 1 ¼ | 5000 | 51.46 | 5.74 | 3.20 | 11.30 | 1.45 | - |
| RX205 | 1 ¾ | 5000 | 62.31 | 5.56 | 3.05 | 11.10 | 1.83 | - |
| RX210 | 2 ½ | 5000 | 97.63 | 9.53 | 5.41 | 19.05 | 3.18 | - |
| RX215 | 4 | 5000 | 140.89 | 11.91 | 5.33 | 25.40 | 4.24 | - |
| RX215 | 4 – 4 ½ | 5000 | 140.89 | 11.91 | 5.33 | 25.40 | 4.24 | - |

X not standardized. Additional dimensions available.

Tolerances: +0.51 mm, h1/h2 –0.8 mm, b +0.2 mm, c +0.15 mm

Design according to revoseal factory standard

Ring joint gaskets RJ – BX



dimension table type RJ – BX

according to ANSI B16.20 or API Std. 6 A

| ring | [DN] inch | [PN] lbs | ring dimensions | | | |
|--------|-----------|---------------------|-----------------|-------|-------|------|
| | | | d | b | c | h1 |
| BX 150 | 1 11/16 | 10000. 15000 | 72.19 | 9.30 | 9.30 | 1.60 |
| BX 151 | 1 13/16 | 10000. 15000. 20000 | 76.40 | 9.63 | 9.63 | 1.60 |
| BX 152 | 2 1/16 | 10000. 15000. 20000 | 84.68 | 10.24 | 10.24 | 1.60 |
| BX 153 | 2 9/16 | 10000. 15000. 20000 | 100.94 | 11.38 | 11.38 | 1.60 |
| BX 154 | 3 1/16 | 10000. 15000. 20000 | 116.84 | 12.40 | 12.40 | 1.60 |
| BX 155 | 4 1/16 | 10000. 15000. 20000 | 147.96 | 14.22 | 14.22 | 1.60 |
| BX 156 | 7 1/16 | 10000. 15000. 20000 | 237.92 | 18.62 | 18.62 | 3.20 |
| BX 157 | 9 10000. | 15000 | 294.46 | 20.98 | 20.98 | 3.20 |
| BX 158 | 11 10000. | 15000 | 352.04 | 23.14 | 23.14 | 3.20 |
| BX 159 | 13 5/8 | 10000 | 426.72 | 25.70 | 25.70 | 3.20 |
| BX 160 | 13 5/8 | 5000 | 402.59 | 13.74 | 23.83 | 3.20 |
| BX 161 | 16 3/4 | – | 491.41 | 16.20 | 28.07 | 3.20 |
| BX 162 | 16 3/4 | 5000. 10000 | 475.49 | 14.22 | 14.22 | 1.60 |
| BX 163 | 18 3/4 | 5000 | 556.16 | 17.37 | 30.10 | 3.20 |
| BX 164 | 18 3/4 | 10000 | 570.56 | 24.59 | 30.10 | 3.20 |
| BX 165 | 21 1/4 | 5000 | 624.71 | 18.49 | 32.03 | 3.20 |
| BX 166 | 21 1/4 | 10000 | 640.03 | 26.14 | 32.03 | 3.20 |
| BX 167 | 26 3/4 | 2000 | 759.36 | 13.11 | 35.86 | 1.60 |
| BX 168 | 26 3/4 | 3000 | 765.25 | 16.05 | 35.86 | 1.60 |
| BX 169 | 5 1/8 | 10000 | 173.52 | 12.93 | 15.84 | 1.60 |
| BX 170 | 9 | – | 218.03 | 14.22 | 14.22 | 1.60 |
| BX 171 | 11 | – | 267.44 | 14.22 | 14.22 | 1.60 |
| BX 172 | 13 5/8 | – | 333.07 | 14.22 | 14.22 | 1.60 |
| BX 303 | 30 | 2000. 3000 | 852.75 | 16.97 | 37.95 | 1.60 |

Tolerances: d -0.15 mm. b +0.2 mm. h +0.2 mm. Design according to revo seal factory standard

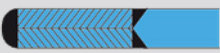



Weld ring gaskets



RevoSeal weld ring gaskets (series SJ) are applied primarily in chemical and petrochemical industries namely in areas where hazardous media appear and where absolute gasket reliability is required. A long-term technical tightness can be achieved by welding the two diaphragm parts together.

Highlights

- › Types SJ-11, SJ-12, SJ-13 are also available with a secondary seal as grooved gasket or spiral gasket.
- › Available in different materials and additional types
- › Factory standards: DIN, ASME, EN, GOST, JIS, etc. (also available in special dimensions)

| <i>type</i> | <i>cross section</i> | <i>designation</i> |
|-------------|---|---|
| SJ – 10 |  | weld ring gasket with diaphragm |
| SJ – 11 |  | weld ring gasket with diaphragm and external weld seams |
| SJ – 12 |  | weld ring gasket with diaphragm with hollow lip compensating different radial extensions |
| SJ – 13 |  | weld ring gasket with diaphragm with hollow lip compensating vast and different radial extensions, e. g. in heat exchangers |