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NOTE: European specification standard is 316 stainless steel for gland body

PGS, SPG & DSPG SERIES ■ SPLIT SEALS FOR SINGLE & MULTIPLE PROBE SEALING



Conax Technologies offers three models of split seals designed to facilitate assembly and sealant replacement when the diameter of the probe tip is larger than the diameter of the element(s) at the location of the seal. Split glands provide split sealants, followers and seats to facilitate easy sealant change without removing the element(s) from the system.

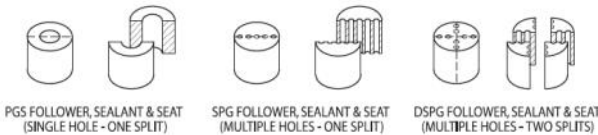
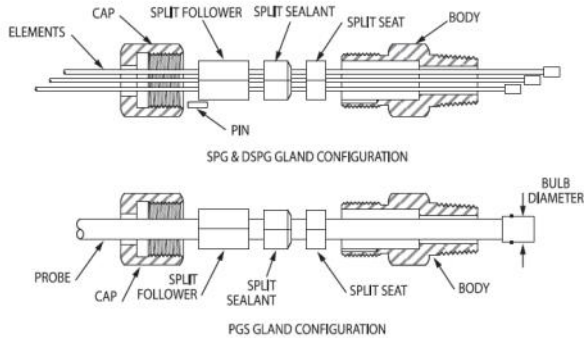
Possible applications include the sealing of analyzer sampling probes with blow-out collars, gas-filled capillary bulb temperature sensors, cable assemblies with factory-installed connectors or to facilitate assembly and disassembly of long cable/sheath lengths.

- **PGS Series** assemblies seal on single elements.
- **SPG Series** assemblies seal on multiple elements with a single split.
- **DSPG Series** assemblies seal on multiple elements with a double split.

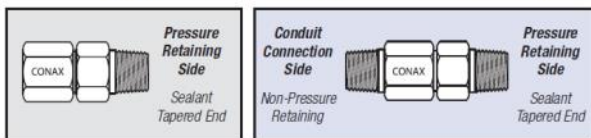
Optional materials are also available. See page 9 for details. Caps, seats and followers for all styles are constructed from 303SST. Cap Style A offers a mounting thread only. Cap Style B provides threading on both ends for attachment to conduit or terminal heads.

Split glands are offered with Viton, Teflon, Lava and Grafoil sealants, however, due to the complexities of construction, not all hole densities are available in all sealant materials. Alternative sealant materials and custom bore sizes are available. Please consult a Conax sales engineer for custom needs.

- Temperature Range: -400° F to +1600° F (-240° C to +870° C)
- Pressure Range: Vacuum to 10,000 PSIG (690 bar) for PGS Series. For SPG and DSPG, due to the many variables affecting pressure ratings on these assemblies, no pressure rating guide is provided. Please consult factory for pressure ratings on a given assembly.



Bodies with NPT threads are constructed from 303SST standard. Weld-neck style gland bodies are constructed from 316LSST standard.



Type A has mounting thread only. Type B has cap end threaded. B Cap NPT matches the standard mounting NPT.

Accessories

The replaceable sealant permits repeated use of the same fitting. Elements can be easily assembled or replaced in the field. To replace the sealant or elements, simply loosen the cap, replace the necessary items, relubricate and retorque the cap.

Glands are supplied factory lubricated. If glands are cleaned prior to assembly or when reused, the glands should be relubricated to maintain the published torque and pressure ratings. See page 103 for information on our lubrication kit.

To order a Replacement Sealant for SPG and DSPG models, order RS – (Gland) – (Diameter) – (Number of Holes) – (Sealant)

Example: RS-SPG75-062-2-T

To order a Replacement Packing Set, including sealant, seat and follower, order RPS – (Gland) – (Diameter) – (Number of Holes) – (Sealant)

Example: RPS-SPG75-062-2-T

To order a Replacement Sealant for PGS models, order RS – (Gland) – (Diameter) – (Sealant)

Example: RS-PG2S-093-T

To order a Replacement Packing Set, including sealant, seat and follower, order RPS – (Gland) – (Diameter) – (Sealant)

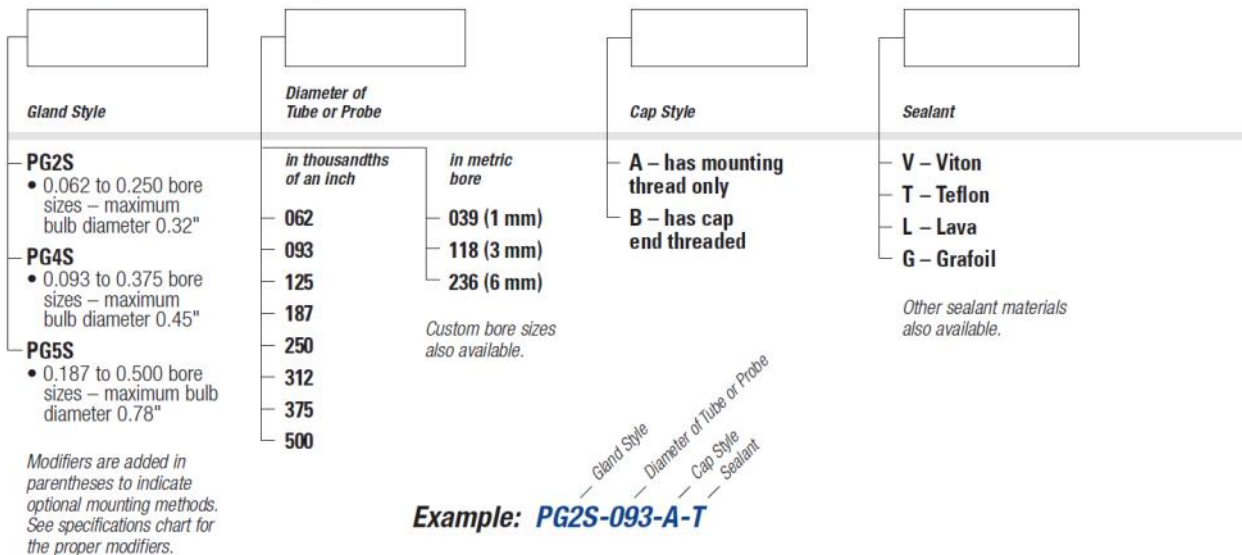
Example: RPS-PG2S-093-T

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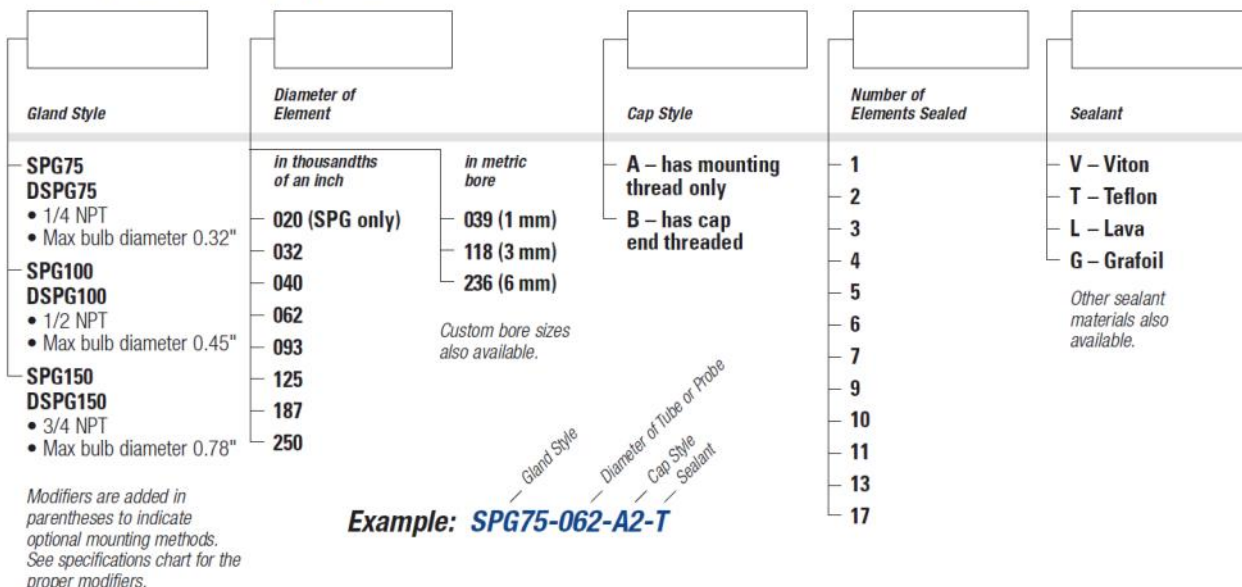
SPLIT SEALS FOR SINGLE & MULTIPLE PROBE SEALING ■ PGS, SPG & DSPG SERIES

REFER TO OUR WEBSITE: WWW.CONAXTECHNOLOGIES.COM FOR OUR DEMONSTRATIONAL VIDEO.

Catalog Numbering System – PGS

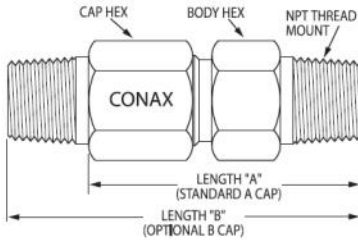


Catalog Numbering System – SPG and DSPG

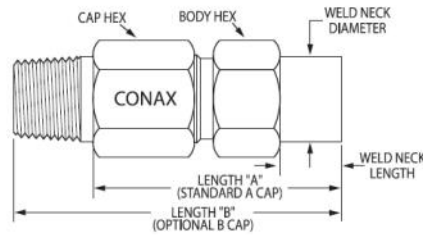


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PGS, SPG & DSPG SERIES ■ SPLIT GLANDS FOR SINGLE & MULTIPLE PROBE SEALING



Standard NPT



Weld Neck Mount

Maximum Probe Density

| Probe Diameter | SPG75 | SPG100 | SPG150 | DSPG75 | DSPG100 | DSPG150 |
|----------------|-------|--------|--------|--------|---------|---------|
| 0.020 | 5 | 7 | 11 | N/O | N/O | N/O |
| 0.032 | 4 | 5 | 10 | 5 | 9 | 17 |
| 0.040 | 3 | 5 | 9 | 5 | 9 | 17 |
| 0.062 | 2 | 4 | 7 | 4 | 5 | 13 |
| 0.093 | 2 | 3 | 5 | N/O | 5 | 9 |
| 0.125 | 1 | 2 | 4 | N/O | 4 | 6 |
| 0.187 | 1 | 1 | 3 | N/O | N/O | 5 |
| 0.250 | 1 | 1 | 2 | N/O | N/O | 4 |

SPG and DSPG assemblies are not available in all gland sealant materials and/or hole densities. Please consult factory for availability.
N/O = Not Offered.

Specifications – SPG & DSPG

| Catalog Number | Length 'A' | | Length 'B' | | Hex Size | | | | Pressure Rating | |
|--|------------|------|------------|-------|----------|--------|---------|--------|-----------------|-----|
| | IN | MM | IN | MM | Body IN | Cap IN | Body MM | Cap MM | PSIG | BAR |
| Standard 1/4 NPT | | | | | | | | | | |
| SPG75 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | C/F | C/F |
| DSPG75 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | C/F | C/F |
| Weld Neck Mount (Weld Neck Mount Length 0.59", Diameter 0.540") | | | | | | | | | | |
| SPG75(SWM2/S316L) | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | C/F | C/F |
| DSPG75(SWM2/S316L) | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | C/F | C/F |
| Standard 1/2 NPT | | | | | | | | | | |
| SPG100 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | C/F | C/F |
| DSPG100 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | C/F | C/F |
| Weld Neck Mount (Weld Neck Mount Length 0.78", Diameter 0.840") | | | | | | | | | | |
| SPG100(SWM4/S316L) | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | C/F | C/F |
| DSPG100(SWM4/S316L) | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | C/F | C/F |
| Standard 3/4 NPT | | | | | | | | | | |
| SPG150 | 3.31 | 84.1 | 4.06 | 103.1 | 1.250 | 1.500 | 31.8 | 38.1 | C/F | C/F |
| DSPG150 | 3.31 | 84.1 | 4.06 | 103.1 | 1.250 | 1.500 | 31.8 | 38.1 | C/F | C/F |
| Weld Neck Mount (Weld Neck Mount Length 0.79", Diameter 1.050") | | | | | | | | | | |
| SPG150(SWM5/S316L) | 3.31 | 84.1 | 4.06 | 103.1 | 1.250 | 1.500 | 31.8 | 38.1 | C/F | C/F |
| DSPG150(SWM5/S316L) | 3.31 | 84.1 | 4.06 | 103.1 | 1.250 | 1.500 | 31.8 | 38.1 | C/F | C/F |

* Hex size for the body and cap are the same.

** When applying torque to SPG150 and DSPG150 models with 0.040" diameters or less containing Grafoil sealants, torque to 200 ft.-lbs., then retorquing to 225 ft.-lbs after 24 hours.

† Weld neck models require lubrication prior to use.

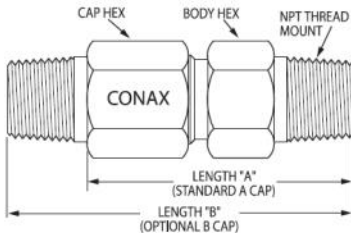
N/O = Not Offered. C/F = Consult Factory.

All pressure and torque ratings were determined at 68° F (20° C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for glands with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints. Tolerance of tube or probe diameters 0.040" and larger is ±0.005; less than 0.040" is ±0.003.

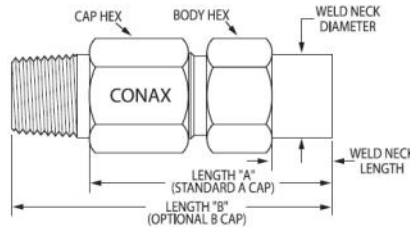
Deviation from the nominal may affect the pressure rating.

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SPLIT GLANDS FOR SINGLE & MULTIPLE PROBE SEALING ■ PGS, SPG & DSPG SERIES



Standard NPT



Weld Neck Mount

Specifications – PGS

| Catalog Number | Tube/Probe Diameter | | Length 'A' | | Length 'B' | | Hex Size | | | | Pressure Rating | | | | | | | | |
|--|---------------------|-------|------------|------|------------|-------|----------|--------|---------|--------|-----------------|-----|--------|-----|--------|-----|---------|-----|--|
| | IN | MM | IN | MM | IN | MM | Body IN | Cap IN | Body MM | Cap MM | Viton | | Teflon | | Lava | | Grafoil | | |
| | | | | | | | | | | | PSIG | BAR | PSIG | BAR | PSIG | BAR | PSIG | BAR | |
| Standard 1/4 NPT | | | | | | | | | | | | | | | | | | | |
| PG2S-062 | 0.062 | 1.57 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 10,000 | 689 | 3,200 | 220 | 10,000 | 689 | 10,000 | 689 | |
| PG2S-093 | 0.093 | 2.36 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 2,800 | 193 | 1,900 | 131 | 9,000 | 620 | 8,000 | 551 | |
| PG2S-125 | 0.125 | 3.18 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 2,800 | 193 | 1,400 | 96 | 9,000 | 620 | 7,200 | 496 | |
| PG2S-187 | 0.187 | 4.75 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 4,500 | 310 | 900 | 62 | 8,800 | 606 | 4,000 | 276 | |
| PG2S-250 | 0.250 | 6.35 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 2,000 | 138 | 720 | 50 | 7,500 | 517 | 3,600 | 248 | |
| Weld Neck Mount (Weld Neck Mount Length 0.59", Diameter 0.540") | | | | | | | | | | | | | | | | | | | |
| PG2S(SWM2/S316L)-062 | 0.062 | 1.57 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 10,000 | 689 | 3,200 | 220 | 10,000 | 689 | 10,000 | 689 | |
| PG2S(SWM2/S316L)-093 | 0.093 | 2.36 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 2,800 | 193 | 1,900 | 131 | 9,000 | 620 | 8,000 | 551 | |
| PG2S(SWM2/S316L)-125 | 0.125 | 3.18 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 2,800 | 193 | 1,400 | 96 | 9,000 | 620 | 7,200 | 496 | |
| PG2S(SWM2/S316L)-187 | 0.187 | 4.75 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 4,500 | 310 | 900 | 62 | 8,800 | 606 | 4,000 | 276 | |
| PG2S(SWM2/S316L)-250 | 0.250 | 6.35 | 2.00 | 50.8 | 2.63 | 66.7 | 0.750 | 0.750 | 19.1 | 19.1 | 2,000 | 138 | 720 | 50 | 8,000 | 517 | 3,600 | 248 | |
| Standard 1/2 NPT | | | | | | | | | | | | | | | | | | | |
| PG4S-093 | 0.093 | 2.36 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 10,000 | 689 | |
| PG4S-125 | 0.125 | 3.18 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 10,000 | 689 | |
| PG4S-187 | 0.187 | 4.75 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 8,000 | 551 | |
| PG4S-250 | 0.250 | 6.35 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 5,000 | 345 | |
| PG4S-312 | 0.312 | 7.92 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,200 | 83 | 2,000 | 138 | 10,000 | 689 | 5,000 | 345 | |
| PG4S-375 | 0.375 | 9.53 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 500 | 34 | 1,400 | 96 | 7,500 | 517 | 4,500 | 310 | |
| Weld Neck Mount (Weld Neck Mount Length 0.79", Diameter 0.840") | | | | | | | | | | | | | | | | | | | |
| PG4S(SWM4/S316L)-093 | 0.093 | 2.36 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 10,000 | 689 | |
| PG4S(SWM4/S316L)-125 | 0.125 | 3.18 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 10,000 | 689 | |
| PG4S(SWM4/S316L)-187 | 0.187 | 4.75 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 8,000 | 551 | |
| PG4S(SWM4/S316L)-250 | 0.250 | 6.35 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,500 | 103 | 1,600 | 110 | 10,000 | 689 | 5,000 | 345 | |
| PG4S(SWM4/S316L)-312 | 0.312 | 7.92 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 1,200 | 83 | 2,000 | 138 | 10,000 | 689 | 5,000 | 345 | |
| PG4S(SWM4/S316L)-375 | 0.375 | 9.53 | 2.56 | 65.1 | 3.38 | 85.7 | 1.000 | 1.000 | 25.4 | 25.4 | 500 | 34 | 1,400 | 96 | 7,500 | 517 | 4,500 | 310 | |
| Standard 3/4 NPT | | | | | | | | | | | | | | | | | | | |
| PG5S-187 | 0.187 | 4.75 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 2,100 | 145 | 800 | 55 | 2,000 | 138 | 1,200 | 83 | |
| PG5S-250 | 0.250 | 6.35 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 1,600 | 110 | 800 | 55 | 2,000 | 138 | 900 | 62 | |
| PG5S-375 | 0.375 | 9.53 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 1,000 | 69 | 800 | 55 | 2,800 | 193 | 600 | 41 | |
| PG5S-500 | 0.500 | 12.70 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 800 | 55 | 800 | 55 | 2,000 | 138 | 480 | 33 | |
| Weld Neck Mount (Weld Neck Mount Length 0.79", Diameter 1.050") | | | | | | | | | | | | | | | | | | | |
| PG5S(SWM5/S316L)-187 | 0.187 | 4.75 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 2,100 | 145 | 800 | 55 | 2,000 | 138 | 1,200 | 83 | |
| PG5S(SWM5/S316L)-250 | 0.250 | 6.35 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 1,600 | 110 | 800 | 55 | 2,000 | 138 | 900 | 62 | |
| PG5S(SWM5/S316L)-375 | 0.375 | 9.53 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 1,000 | 69 | 800 | 55 | 2,800 | 193 | 600 | 41 | |
| PG5S(SWM5/S316L)-500 | 0.500 | 12.70 | 3.31 | 84.1 | 4.19 | 106.4 | 1.250 | 1.500 | 31.8 | 38.1 | 800 | 55 | 800 | 55 | 2,000 | 138 | 480 | 33 | |

CAUTION: When sealing on soft, fragile or crushable elements, catalog torques may not apply. When catalog torques are applied, compressed sealants generate considerable forces on the element to be sealed. These forces could result in damaging soft or fragile elements such as coax cables or thin-wall materials. Consult factory for these types of applications.