

Standard Metal Seals

Metal C-Rings



Features

- Available in diameters greater than .250" (6.35 mm)
- Cross sections from .031" to .500" (.79 mm to 12.70 mm)
- Good springback properties
- Very low leakage rates
- High-pressure capabilities
- Many plating options
- Circular or shaped configurations

Applications

- High-temperature applications with moderate movement
- Moderate load for lighter flanges
- Internally or externally pressurized applications

Metal E-Rings



Features

- Available in diameters greater than .750" (19.50 mm)
- Excellent springback properties
- Multiple cross sections
- Can be TriCom coated for wear resistance
- Available in multi-convolutions for high deflection applications
- Split, segmented, shaped and liner configurations

Applications

- Jet engine and land based turbines
- High-temperature and joints with considerable movement
- Internally or externally pressurized applications
- Available for all AS 1895 flange applications

Metal O-Rings



Features

- Available in diameters greater than .250" (6.35 mm)
- Cross Sections from .031" to .625" (.79 mm to 15.88 mm)
- Available in 304 and 321 stainless steel or 718 and X-750 Inconel
- Many plating options
- 25 tubing options
- Robust high-integrity seal
- Internally, externally venting available
- Gas pressure filled available

Applications

- Many industrial applications and MS9141, 9142, 9292-5, 9371-6
- Heavy joint applications with minimal movement

Metal U-Rings



Features

- Available in diameters greater than 1.75" (44.45 mm)
- Cross Sections from .063" to .250" (1.59 mm to 6.35 mm)
- Good springback properties
- High-pressure capabilities
- Available in 718 and X-750 Inconel
- Economically priced

Applications

- Turbochargers
- High-temperature pumps
- Low load joints with significant movement
- High-temperature applications
- Internally or externally pressurized applications

Spring Energized C-Rings



Features

- Available in diameters greater than .750" (19.05 mm)
- Cross Sections from .063" to .500" (1.59 mm to 12.70 mm)
- Good springback properties
- Uses jacket and spring forces, and system pressure to increase sealing forces
- Lowest leakage standard seal

Applications

- Diesel engines, gas turbines and high-pressure valves
- Heavy load joints with some movement
- Best choice for non-flat mating surfaces
- Internally or externally pressurized applications