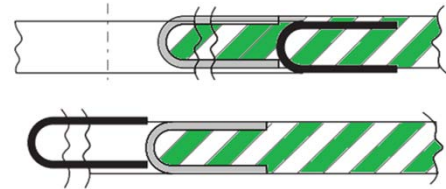


EYELETED GASKETS

Spira Power also manufacture the standardized CNAF, Graphite, PTFE and Ceramic cut gaskets with metal eyelets to seal sever service conditions to prevent 'Blow-Out' or catastrophic gasket failure in pressure surge conditions.

The addition of the inner diameter eyelet offers higher, long-term sealing standards and excellent residual stress, excellent conformability to flange irregularities, outstanding chemical and thermal resistance with low maintenance expenses thanks to the sealing materials' long service life.

These gaskets are generally cut from expanded Graphite reinforced with stainless steel core or CNAF sheet. The eyelet is beneficial also in the applications where there is a rapidly swirling process services. With hot small molecular gases, this combination of high-quality core material with an eyelet will make an efficient seal.



ADVANTAGES

- ✓ Blow out protection.
- ✓ Protection against chemical attack.
- ✓ High Pressure and Temp range
- ✓ Extremely Gastight
- ✓ Improved sealability due to the local higher stress under eyelet.
- ✓ Reduced danger of over compression at high seating stresses.
- ✓ Reinforce the gasket surfaces.
- ✓ Gasket is easier to handle

PROPERTIES

- ✓ Gasket Material : stainless steel (304L or 316L) or in copper.
- ✓ Gasket ID: 20mm to 1500mm
- ✓ Gasket Thick: 1.5 to 4mm
- ✓ Gasket Eyelet Thick: 0.15mm -0.4mm (depends on material)

BENEFITS

- ✓ Higher long-term sealing standards
- ✓ Very good residual stress value
- ✓ Excellent conformability to flange irregularities
- ✓ Outstanding chemical and thermal resistance
- ✓ Low maintenance expenses thanks to the sealing materials' long service life

Flexible Graphite Composite Gasket

| Materials | Pressure (N/MM2) | Temperature | | Compressibility (%) | Recovery (%) |
|-------------------------|-----------------------------------|----------------------|--------------------|---------------------|--------------|
| | | Non-Oxidation | Oxidation | | |
| Perforated Carbon Steel | ≥4.8 | -460 | -560 | 30-35 | 15-20 |
| Perforated SS304/SS316 | ≥4.8 | -690 | -800 | 30-35 | 15-30 |
| Flat SS304/SS316 | ≥4.8 | -690 | -800 | 30-40 | 15-Oct |
| SS304 Wire Mesh | ≥4.8 | -690 | -800 | 40-50 | 15-20 |
| Materials | Imporosity (cm3/min) (THK= 1.5mm) | Leakage (THK= 1.5mm) | | Seal Constant | |
| | | N2 m1/hr | Bumming oil Am1/hr | "M" | "Y" |
| Perforated Carbon Steel | ≤0.8 | 30 | <0.5 | 3 | 9000 |
| Perforated SS304/SS316 | ≤0.8 | 60 | <0.5 | 2.5 | 4000 |
| Flat SS304/SS316 | ≤0.4 | 35 | <0.5 | 2 | 900 |
| SS304 Wire Mesh | ≥1.0 | 70 | <0.5 | 3 | 5000 |