EagleBurgmann
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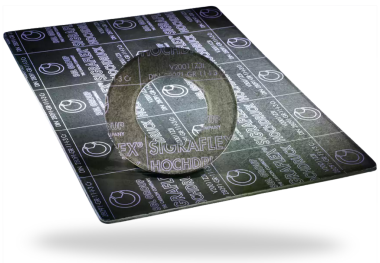
RELY ON EXCELLENCE

Statotherm HD 9593/HD

Packings & Gaskets | Graphite gasket sheets



Features

Statotherm HD 9593/HD is a reinforced, multilayer graphite gasket sheet made from 0.5 mm thick layers of high quality impregnated graphite foil (purity ≥ 99.85 %) combined without adhesive with 0.05 mm thick stain- less steel foil layers (AISI 316 (L)). Statotherm HD 9593/HD is outstanding for use in applications where high surface pressures are combined with high operating pressure. This seal is particularly useful where there are increased requirements in terms of seal tightness and operational safety. Equates to the SGL Sigraflex Hochdruck.

Notes

For safe operation, always use seals that are dry and undamaged.

Advantages

- Very high maximum surface pressure
- No embrittlement (contains no adhesive)
- High mechanical strength

Operating range

Pressure: p = 250 bar
Temperature

- Continuous operation:
  t = -250 °C ... +450 °C
- Steam: tmax+550°C

Recommended surface roughness:
RZ = 12.5 ... 50 µm

Chemical resistance: pH = 0 ... 14
Resistant to almost all organic and inorganic acids, alkalis, oils and solvents. Not suitable for use in highly oxidizing media or in elementary fluorine, bromine, sulfur trioxide or ozone (03) > 150 °C.

Standards and approvals

- TA Luft in various flanged versions and unflanged for tongue-and-groove flanges
- BAM (upon request)
- DVGW
- Fire Safe API 607
- Blow-out resistance (TÜV Süd)
- Germanischer Lloyd
- TRD 401
- EG 1935/2004

eagleburgmann.com
info@eagleburgmann.com

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.