

RELY ON EXCELLENCE

Kammprofile serrated gasket 9598

Packings & Gaskets | Metallic gaskets



Features

The serrated gasket 9598 has a concentrically-machined profile based on a 4 mm thick stainless steel base plate. This is coated on both sides with a 0.5 mm thick layer of pure graphite (purity $\geq 99.85\%$ or $> 98\%$). Thicker layers are available on request. The serrated gasket 9598 is easy to handle and is particularly suitable for applications in the chemical and petrochemical industries and in power station technology.

Notes

After the initial warm-up, we recommend retightening the bolts (with the system depressurized) in order to compensate for any minor settling of the overlay material and thus maintain optimum surface pressure. If the gasket is replaced, the undamaged serrated profile ring can be reused.

Advantages

- Maximum compressive strength
- Low minimum surface pressure required
- High temperature stability
- Ideal for withstanding temperature/pressure cycling

Operating range

Pressure: $p = 400$ bar
Higher pressures available on request
Temperature

- Continuous operation:
 $t = -200\text{ °C} \dots +550\text{ °C}$

Recommended surface roughness:
 $R_z = 12.5 \dots 50\text{ }\mu\text{m}$

Chemical resistance: $\text{pH} = 0 \dots 14$

Materials

- Serrated ring:
Standard 1.4541 and 1.4571
- Gasket overlay:
Statotherm pure graphite, purity $\geq 99.85\%$ or $> 98\%$

Standards and approvals

- TA Luft
- Fire-Safe (API 607)
- EG 1935/2004
- FDA

Recommended applications

Industries

- Process industry
- Oil & gas industry
- Petrochemical industry
- Chemical industry
- Power plant technology
- Building services industry

Mechanical Units

- Heat exchanger
- Covers
- Tank hatches
- Process boilers
- Flanged connections
- Pipe connections
- Furnaces
- Maintenance seals