## Technical Details

| Temperature range | -100°C /+260°C |
|---|---|
| Pressure | 15 MPa - 25 MPa |
| Speed | 2 m/sec |

## Maximum extrusion gap

| Groove width L$_1$ min | Radial extrusion gap F/2 | | |
|---|---|---|---|
| | 2MPa | 10MPa | 20MPa |
| 3.60 | 0.25 | 0.25 | 0.10 |
| 4.80 | 0.35 | 0.20 | 0.15 |
| 7.10 | 0.50 | 0.25 | 0.20 |
| 9.50 | 0.60 | 0.30 | 0.25 |

## Surface roughness

| Fluids | Dynamic surface area | Static surface area | Groove flanks |
|---|---|---|---|
| High and low viscosity fluids | Ra= 0.2µm | Ra= 0.8µm | Ra= 0.8µm |
| | Rz= 1.6µm | Rz= 5.0µm | Rz= 5.0µm |
| | Rz= 1.6µm | Rmax= 6.5µm | Rmax= 6.5µm |
| Gaseous fluids | Ra= 0.1µm | Ra= 0.3µm | Ra= 0.3µm |
| | Rz= 0.63µm | Rz= 2.2µm | Rz= 2.2µm |
| | Rz= 1.0µm | Rz= 3.5µm | Rz= 3.5µm |

## DESIGN

GS19 is a machined U-ring type filled or virgin PTFE shaft seal, pre-stressed by a stainless steel V-spring. It is generally used for helical applications. It is designed specifically for the food industry as it prevents food products from accumulating in hard to clean areas.

## FEATURES

- **Low friction coefficient**
- **Excellent abrasion resistance**
- **Wide temperature range**
- **Suitable for static, rotating and oscillatory systems**

## MATERIAL

Seal design comes in a variety of materials and sizes. For more information, please refer to MSDS datasheet.

## APPLICATIONS
Light to medium duty applications