

SPI-M320

Double Face mechanical seals
Technical Data Sheet



Features

Double face, unbalanced, large spring construction
Same features as SPI-M320

SPI-M320 Double Face mechanical seals Double face mechanical seal type SPI-M320 has a high degree of interchangeability of the parts, suitable for mass production and with economical price. It is ideal for rotating Equipment on water, mud, oil media

Recommended Applications

Water and waste water technology,
Petroleum chemical industry
Industrial pumps
Process pumps
Other Rotating Equipment

Operating range

Shaft diameter: $d_1=10...45$
Pressure: $p=-0.05...0.16\text{Mpa}$ (23.2psi)
Temperature: $t = -20\text{ }^\circ\text{C} \dots 80\text{ }^\circ\text{C}$ (-4°F to 176°F)
Sliding velocity: $n \leq 3000\text{r/min}$
Notes: The range of pressure, temperature and sliding velocity is depend on seals combination materials

Combination Materials

1. Rotary Face

- Carbon graphite resin impregnated Ak
- Tungsten carbide W1
- Silicon carbide (RBSIC) O

2. Stationary Seat

- Aluminium oxide (Ceramic) B
- Silicon carbide (RBSIC) O
- Tungsten carbide W1

3. Auxiliary Seal

- Nitrile-Butadiene-Rubber (NBR) P
- Fluorocarbon-Rubber (Viton) V
- Ethylene-Propylene-Diene (EPDM) E

4. Spring

- Stainless Steel (SUS304) F

5. Metal Parts

- Stainless Steel (SUS304) F