

SPI-M80

Parallel Spring Mechanical Seals
Technical Data Sheet



Features

Different rotary ring material option
Drive lugs
Bi-directional
TO EN 12756

SPI-M80 series design with drive lugs, rugged and reliable drive, Offering various different rotary ring and Auxiliary seal material, it is ideal for dirty and/or viscous liquids condition, widely used in textile, pulp and paper and wastewater treatment industry. Working dimension the same as

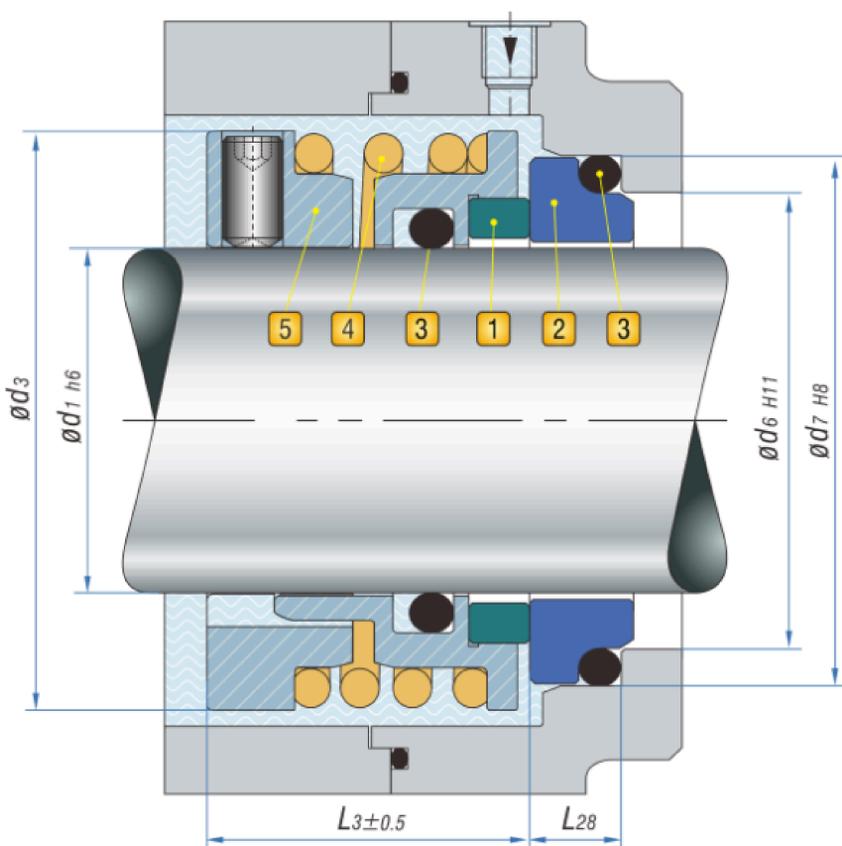
Recommended Applications

Petrochemical industry and sewage treatment
Low solids content or viscous media
Sewage pumps, chemical pumps, screw pumps
Other Rotating Equipment.

Operating range

Shaft diameter: $d_1=20\text{...}100\text{mm}$
Pressure: $p=0\text{...}1.0\text{Mpa}$ (145psi)
Temperature: $t = -20\text{ }^\circ\text{C} \text{...}220\text{ }^\circ\text{C}$ (-4°F to 428°F)
Sliding velocity: $V_g \leq 15\text{m/s}$ (49.2ft/s)
Notes: The range of pressure, temperature and sliding velocity is depend on seals combination materials

Product Structure



Combination Materials

1. Rotary Face

- Carbon graphite, resin impreg A_k
- Carbon graphite, antimony impreg A_D
- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O_1
- Tungsten Carbide.Ni-binder W

2. Stationary Seat

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O_1
- Tungsten Carbide.Ni-binder W

3. Auxiliary Seal

- Nitrile Butadiene Rubber NBR P
- Fluorocarbon Rubber FKM V
- Ethylene Propylene Rubber EPDM E
- tetrafluoroethylene Propylene Rubber EPDM X

5. Metal Parts

- GrNi-Steel (AIS1304) F
- GrNiMo-Steel (AIS1316) G

4. Spring

- GrNi-Steel (AIS1304) F
- GrNiMo-Steel (AIS1316) G