

SPI-M90

Parallel Spring Mechanical Seals
Technical Data Sheet



Features

Different rotary ring material option
Spring Drive
Mono-directional
TO EN 12756. ISO 3069

SPI-M90 Series, Driven by spring, Dependent on the direction of shaft rotation it can run either clockwise or anti-clockwise. Offering various different rotary ring and Auxiliary seal material in order to meet different using condition. Widely used in marine, textile, pulp and paper, refrigeration compressors, wastewater treatment industry.

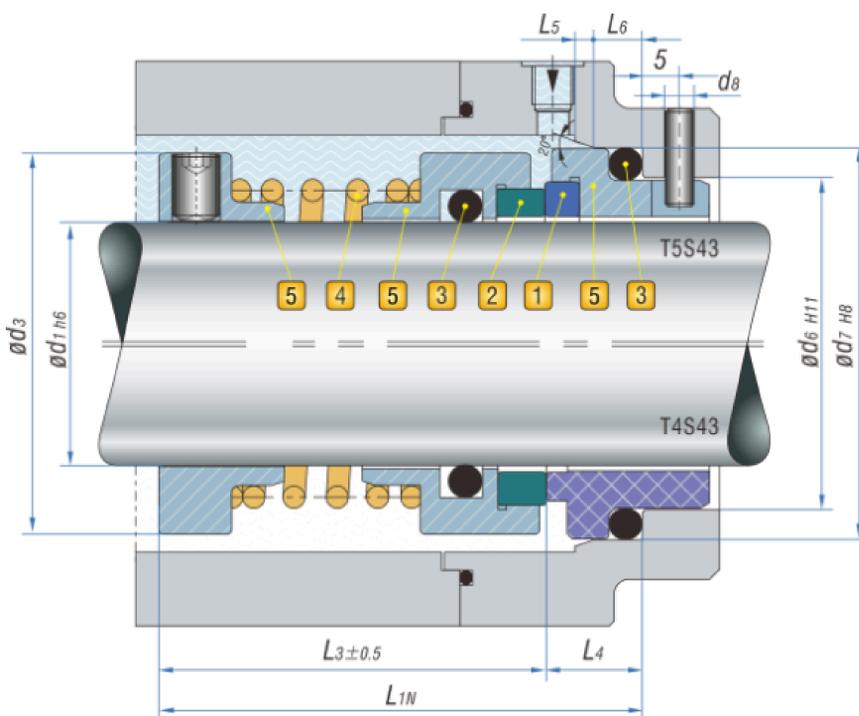
Recommended Applications

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

Operating range

Shaft diameter: $d_1=18\text{...}100\text{mm}$
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

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O₁
- Tungsten Carbide.Ni-binder W

2. Stationary Seat

- Carbon graphite, resin impreg A_K
- Carbon graphite, antimony impreg A_D
- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O₁
- Tungsten Carbide.Ni-binder W

3. Auxiliary Seal

- Elastomers O-ring
- FKM V
- EPDM E
- Tetrafluoroethylene Propylene Rubber FEPM X

4. Spring

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

5. Metal Parts

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