

SPI-M110

Parallel Spring Mechanical Seals
Technical Data Sheet



Features

Different rotary ring material option
Two o-ring design in seat
Mono-directional
Standard

SPI-M110 mechanical seal range features rugged and reliable, using left and right rotation spring drive, Mono-directional (clockwise or anti-clockwise), stationary seat include two o-rings, 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

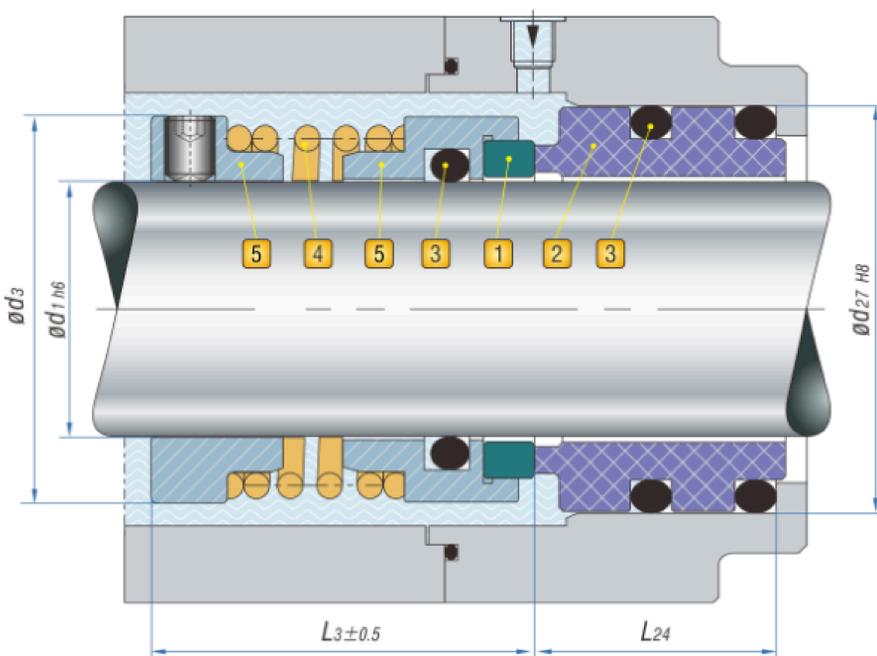
Recommended Applications

Textile printing, petrochemical industry and sewage treatment industry
Low solids content or viscous media
Printing and dyeing pumps, Sewage pumps and industrial pumps
Other Rotating Equipment.

Operating range

Shaft diameter: $d_1=20\text{...}100\text{mm}$ (0.625" ...4.000")
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
- Cr-Steel (Solid) E

2. Stationary Seat

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

3. Auxiliary Seal

- Elastomers O-ring
- Fluorocarbon Rubber FKM V
- Etylene Propylene Rubber EPDM E
- TetraflouroeThylene Propylene Rubber FEPM X

4. Spring

- GrNi-Steel (AIS1304) F
- GrNiMo-Steel (AIS131 6) G

5. Metal Parts

- GrNi-Steel (AIS1304) F
- GrNiMo-Steel (AIS131 6) G