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SPI-M105

Parallel Spring Mechanical Seals
Technical Data Sheet

Features

Different rotary ring naterial optation
Spring Drive
Mono-directional
Standard

SPI-M105 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.

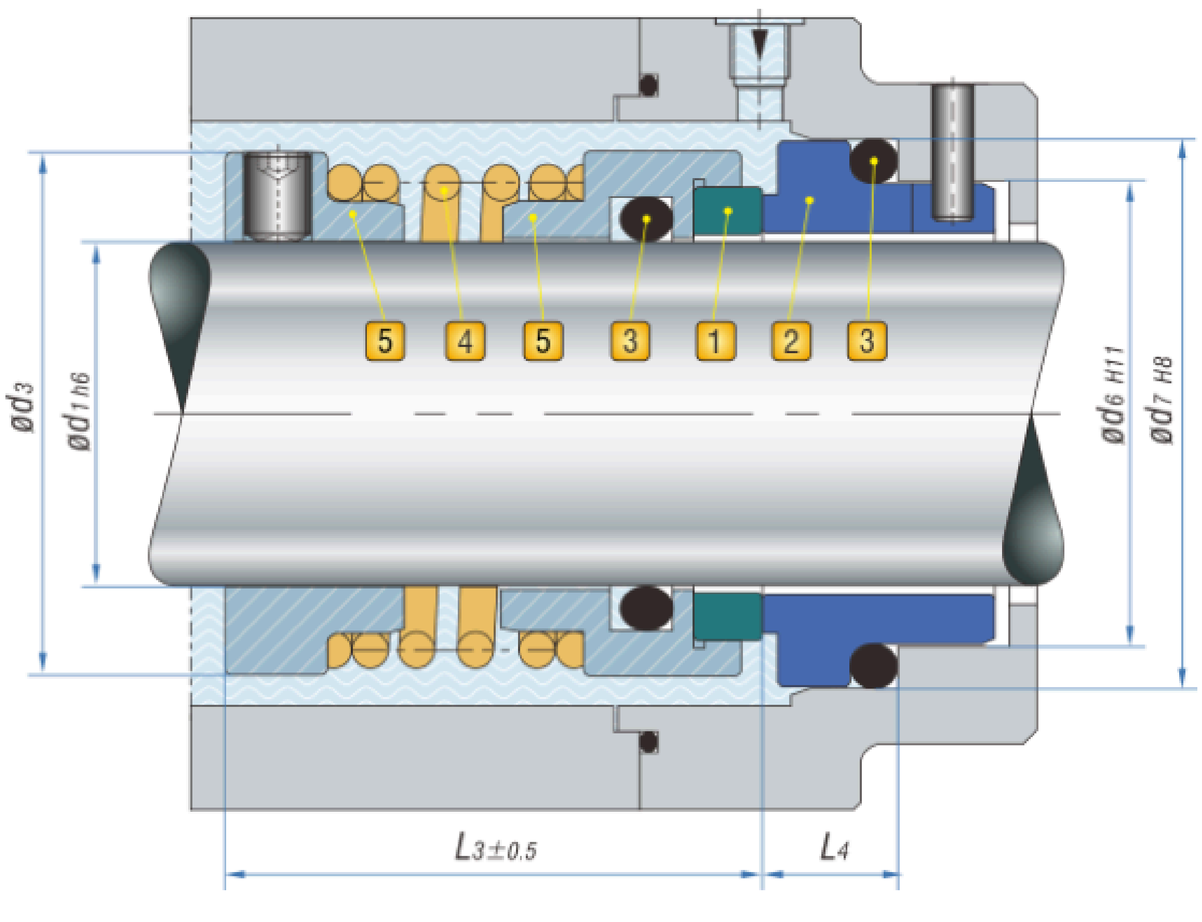
Recommended Applications

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: d1=20...120mm(0.625''...4.000'')
Pressure: p=0...1.0Mpa（145psi）
Temperature: t = -20 °C ...220 °C（-4°F to 428°F）
Sliding velocity: Vg≤15m/s（49.2ft/s）
Notes: The range of preesure,temperature and sliding velocity is depend on seals combination materials

Product Structure



Combination Materials

1. Rotary Face

- Reaction Bonded Sic RBSlC O
- Sintered Silicon Carbide SSlC O1
- Tungsten Carbide.Ni-binder W
- Cr-Steel (Solid) E

2. Stationary Seat

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

3. Auxiliary Seal

- Elastomers 0-ring
- Fluorocarbon Rubber FKM V
- Etylene Propylene Rubber EPDM E
- TetraflouroeThylene Propylene Rubber FEPM X

4. Spring

- GrNi-Steel (AlS1304) F
- GrNiMo-Steel (AlS131 6) G

5. Metal Parts

- GrNi-Steel (AlS1304) F
- GrNiMo-Steel (AlS131 6) G