

SPI-M75

EagleBurgmann type M2N series
Replacement
Technical Data Sheet



Features

Unbalanced Mechanical Seal
Rotating conical spring
Dependent on direction of rotation
TO EN 12756. DIN24960
Equivalent to M2N M2N4 M2

SPI-M75 mechanical seal range feature a spring loaded solid carbon graphite or silicone carbide seal face. It is conical spring and O-ring pusher construction mechanical seals with economical price. It is widely used in basic applications such as circulating pumps for water and heating system.

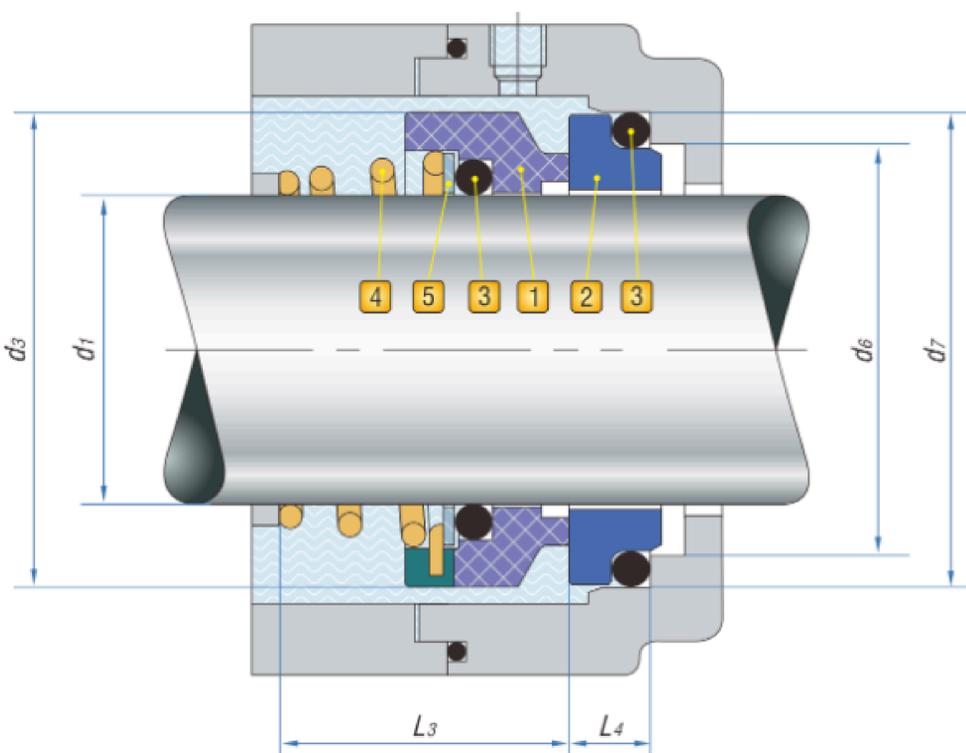
Recommended Applications

Basic applications such as circulating pumps for water and heating system.
Circulating pumps and centrifugal pumps
Other Rotating Equipment.

Operating range

Shaft diameter: $d_1=10...38\text{mm}$
Pressure: $p=0...1.0\text{Mpa}$ (145psi)
Temperature: $t = -20\text{ }^\circ\text{C} \dots 180\text{ }^\circ\text{C}$ (-4°F to 356°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
- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O_1

2. Stationary Seat

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O_1
- Aluminium Oxide Ceramic B
- GrNiMo-Steel G

3. Auxiliary Seal

- Encapsulated O-ring
- Elastomers O-ring
- FEP Jacketed FKM M_1
- FKM V
- FEP Jacketed VMQ M_3
- EPDM E
- PFA Jacketed FKM M_5
- VMQ S

5. Metal Parts

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

4. Spring

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