

SPI-M10

EagleBurgmann BT-RN series Replacement
Technical Data Sheet



Features

Seal face Inlaid SIC SSIC TC
Single seal
Unbalanced Seal
Rotating conical spring
Dependent on direction of rotation

SPI-M10 mechanical seal range feature a spring loaded EagleBurgmann BT-RN series Replacement graphite or silicon carbide seal face. It is conical spring and O-ring pusher construction mechanical seals with economical price. It is widely used in basic applications.

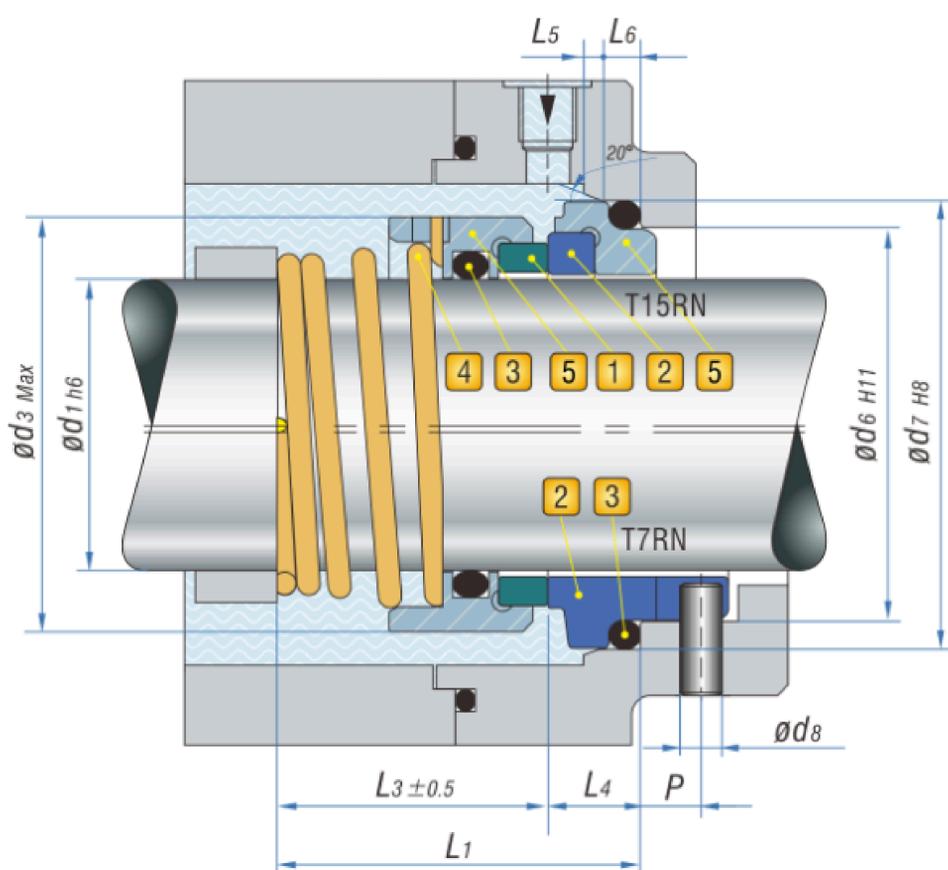
Recommended Applications

Paper and sugar industry, Food
Processing, waste water technology
Low solids content or viscous media
Sewage pumps, chemical pumps, screw
pumps, process pumps
Other Rotating Equipment

Operating range

Shaft diameter: $d_1=8\text{...}100$ mm
Pressure: $p=0\text{...}1.5$ Mpa (217.5psi)
Temperature: $t = -20$ °C .. 120 °C (-4°F to 248°F)
Sliding velocity: $V_g \leq 15$ m/s (49.2ft/s)
Notes: The range of pressure, temperature and sliding velocity is depend on seals combination material

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

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

3. Auxiliary Seal

- Encapsulated O-ring
- Elastomers O-ring
- FEP Jacketed FKM M₁
- FKM V
- FEP Jacketed VMQ M₃
- EPDM E
- PFA Jacketed FKM M₅
- VMQ S

4. Spring

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

5. Metal Parts

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