

# SPI-M35

EagleBurgmann type M37GN series  
G6/G9 seat Replacement  
Technical Data Sheet



## Features

Seal face Inlaid SIC SSIC TC  
Rotating conical spring  
Dependent on direction of rotation  
TO EN 12756.DIN24960  
Equivalent to M37GN

SPI-M35 With reliable performance, wide range of application and easy installation features. Used in the different media conditions due to extend material options. SPI-M35 is conical spring and O-ring pusher construction mechanical seals, designed for large batch production. It is ideal for use in paper industry,sugar industry, chemical and petroleum, food processing, sewage treatment industry .

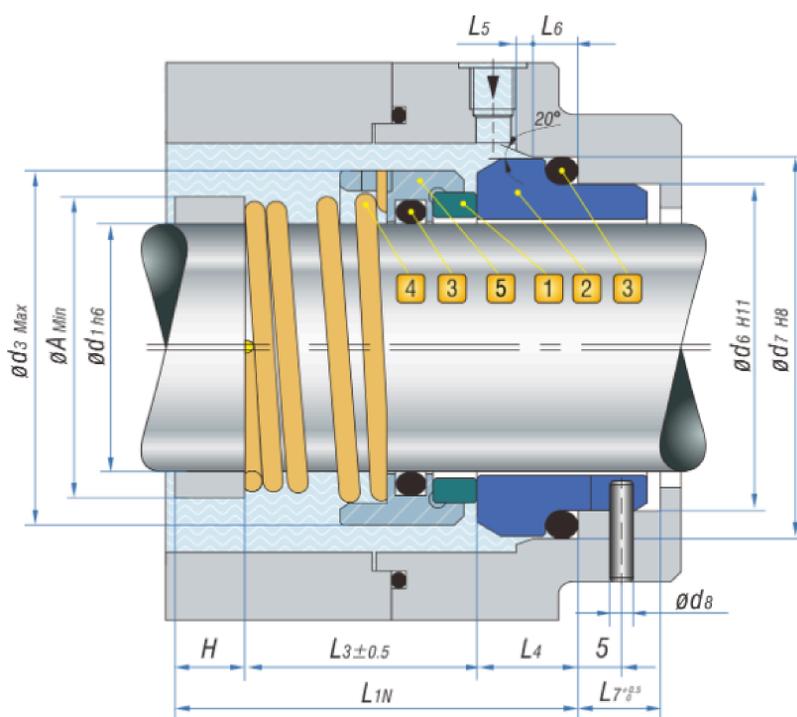
## Recommended Applications

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:** d1=12...80mm  
**Pressure:** p=0...1.5Mpa (217.5psi)  
**Temperature:** t = -20 °C ...120°C (-4°F to 248°F)  
**Sliding velocity:** Vg≤15m/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 O<sub>1</sub>
- Tungsten Carbide.Ni-binder W

### 2. Stationary Seat

- Reaction Bonded Sic RBSIC O
- Sintered Silicon Carbide SSIC O<sub>1</sub>
- Tungsten Carbide.Ni-binder W

### 3. Auxiliary Seal

- Encapsulated O-ring
- Elastomers O-ring
- FEP Jacketed FKM M<sub>1</sub>
- FKM V
- FEP Jacketed VMa M<sub>3</sub>
- EPDM E
- PFA Jacketed FKM M<sub>5</sub>
- VMQ S

### 4. Spring

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

### 5. Metal Parts

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