

# SPI-M300

John Crane Type1 Replacement  
Technical Data Sheet



## Features

Reliable transmission due to special design in the drive band and drive notches.  
Special balancing in the elastomer bellows.  
design,available in high-pressure application  
Single seal, balanced, Bi-directional  
Good interchange ability, SPI-M300 Dimensional data conform with EG standard, SPI-M300 conform with standard.  
Available in metric and inch sizes

Elastomer Bellows mechanical seal SPI-M300 is suitable for a wide range of service condition. SPI-M300,SPI-M300 conform with standard respectively. Type SPI-M300 mechanical seal range is designed for universal application: pumps, mixers, air compressors, fans and other rotating equipment. It is frequently used in the pulp and paper, petrochemical, food processing, wastewater treatment, chemical processing and power generation industries.

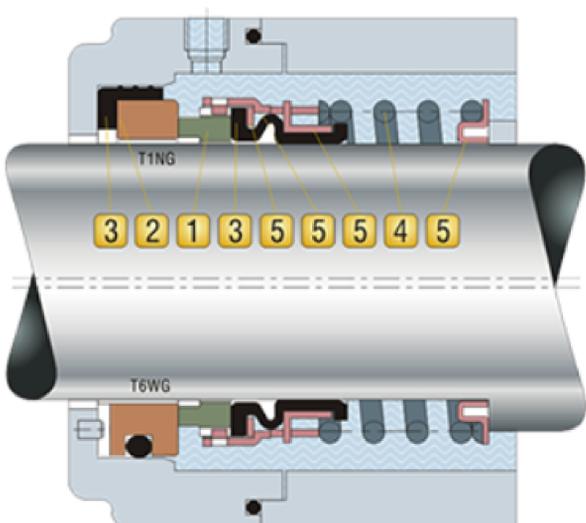
## Recommended Applications

Water and waste water technology  
Petroleum chemical industry  
Industrial pumps.  
Process pumps.  
Other Rotating Equipment

## Operating range

**Shaft diameter:** d1=16...75mm(0.625" ...3.000")  
**Pressure:** p=0...1.7Mpa (246.5psi)  
**Temperature:** t = -40 °C ...200 °C(-40°F to 392°F)  
**Sliding velocity:** Vg≤13m/s (42.6ft/m)  
**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 impregnated Ak
- Tungsten carbide W1
- Silicon carbide (RBSIC) O

### 2. Stationary Seat

- Aluminium oxide(Ceramic) B
- Silicon carbide (RBSIC) O
- Tungsten carbide W1

### 3. Auxiliary Seal

- Nitrile-Butadiene-Rubber (NBR) P
- Fluorocarbon-Rubber (Viton) V
- Ethylene-Propylene-Diene (EPDM) E

### 4. Spring

- Stainless Steel (SUS304) F

### 5. Metal Parts

- Stainless Steel (SUS304) F

## Stationary Seat

Standard Stationary Seat: T1,T2  
T1 equivalent to John Crane NG  
T2 equivalent to John Crane N



Alternatives Stationary Seat: T5,T6  
T5 equivalent to John Crane WG  
T6 equivalent to John Crane W

