

# SPI-M525

Double Face Mechanical Seal

Technical Data Sheet



## Features

Single and elastomer bellows mechanical seal  
Bi-directional  
Double face mechanical seal  
Non-sliding design structure, elastomer bellows automatically compensates for primary ring wear.  
Available in metric

SPI-M525 is a dual seal in a back-to-back arrangement with an SPI-M525 base. It is ideal for used in submersible pumps and other rotating shaft equipment.

## Recommended Applications

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

## Operating range

**Shaft diameter:**  $d_1=12...45\text{mm}$

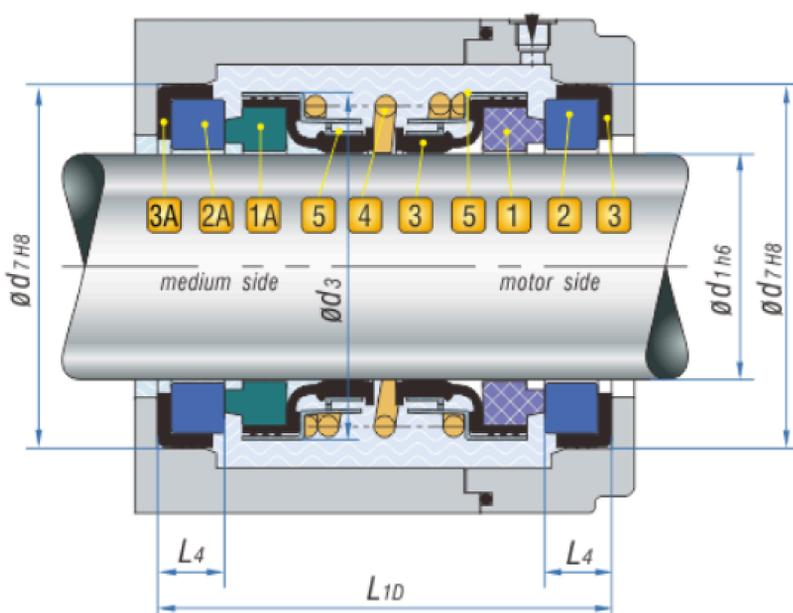
**Pressure:**  $p=0...0.0\text{Mpa}$

**Temperature:**  $t = -20\text{ }^\circ\text{C} \dots 80\text{ }^\circ\text{C}$

**Sliding :**  $n \leq 3600\text{rpm}$

**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**  
Silicon carbide (RBSiC) **O**  
Hot-Pressing Carbon **Ac**  
Tungsten carbide **Wl**

### 2. Stationary Seat

Aluminium oxide (Ceramic) **B**  
Silicon carbide (RBSiC) **O**  
Tungsten carbide **Wl**

### 3. Auxiliary Seal

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

### 4. Spring

Stainless Steel (SUS304) **F**  
Stainless Steel (SUS316) **G**

### 5. Metal Parts

Stainless Steel (SUS304) **F**  
Stainless Steel (SUS316) **G**