

# SPI-M515

EagleBurgmann EA100 Replacement

Technical Data Sheet



## Features

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

SPI-M515 mechanical seal with simple and effective structure, bi-directional rotation, unbalanced elastomer diaphragm seal. It is easy installation and reliable sealing performance. Suitable for small shaft diameter centrifugal water pumps, jet pumps, swimming pool pumps and wastewater pumps.

## Recommended Applications

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

## Operating range

**Shaft diameter:**  $d_1=8...55\text{mm}$

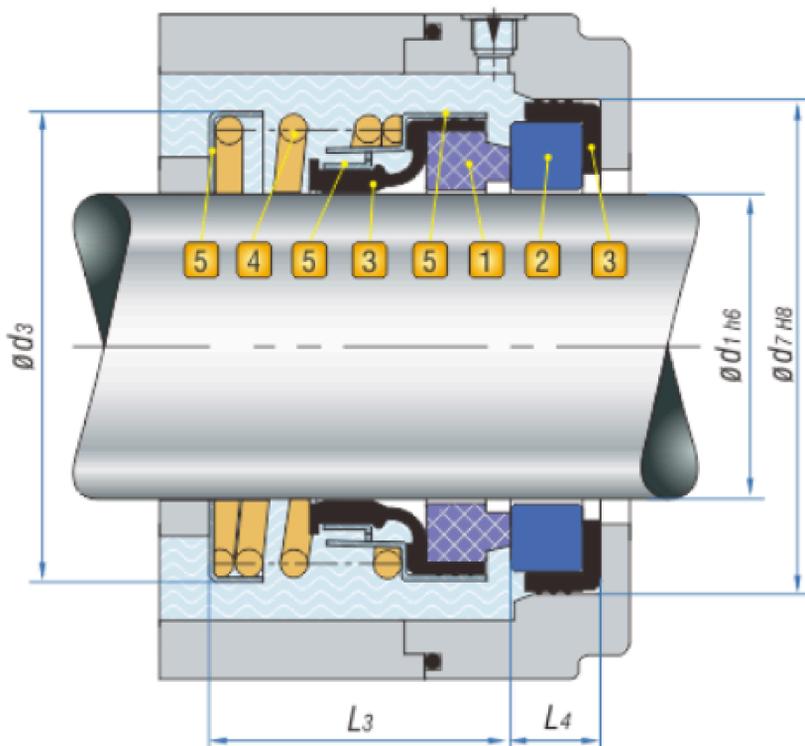
**Pressure:**  $p=0...0.6\text{Mpa}$

**Temperature:**  $t = -20\text{ }^{\circ}\text{C} \dots 150\text{ }^{\circ}\text{C}$

**Sliding velocity:**  $V_g \leq 8\text{m/s}$

**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 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**