



**sealmatic®**

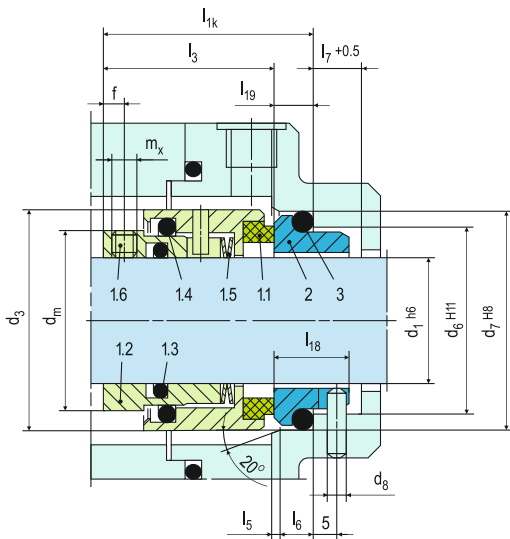
## Sealmatic BJ Series For Heavy Duty Dewatering Pumps

Dewatering pumps have the unique characteristic of draining water down to the very bottom. Ideal for cleaning underground sumps, overhead tanks, and draining & curing water from concrete floors at construction sites with minimal effort. High performance construction dewatering pumps can take on the toughest construction sites by virtue of the rugged mechanical seals with robust construction and superior design. Sealmatic BJ series is the perfect mechanical seal for highly abrasive sand and silt laden water at construction sites.

Several factors play a major role when choosing the mechanical seals, the type, the materials used, and how it is operated: process conditions, sealing point, operating conditions, and the medium to be sealed. No matter what requirements our customers have, we know how these factors affect functionality and economic feasibility, so we convert this know-how effortlessly into long-term, reliable sealing solutions.

Sealmatic mechanical seals for heavy duty dewatering pumps are suitable for:

- Media with poor lubricating properties
- Media containing solids
- Aggressive media
- Polluting media



### Performance Capabilities

Sizes:  $d_1 =$  Upto 100 mm (Upto 4.000")  
 Pressure:  $p_1^{*)} = 0.8$  abs... 25 bar  
 (12 abs.... 363 PSI)  
 Temperature:  $t = -50$  °C...+220 °C  
 (-58 °F...+430 °F)  
 Speed = 20 m/s (66 ft/s)

Permissible axial movement:  $\pm 0.5$  mm

<sup>\*)</sup> An integral stationary seat lock is not needed within the permissible low pressure range. For prolonged operation under vacuum it is necessary to arrange for quenching on the atmospheric side.

API SPEC Q1 . API . ISO 9001:2015 . EU 1935:2004 . ATEX - 2014/34/EU . ISO 9001:2015 . ISO 14001:2015 . BS-OHSAS 18001:2007 . PED-CE

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