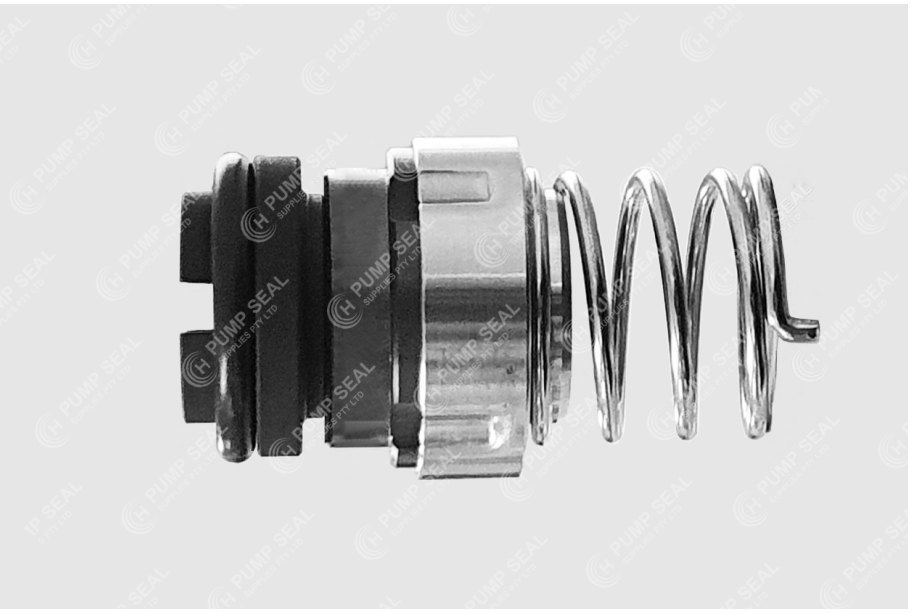
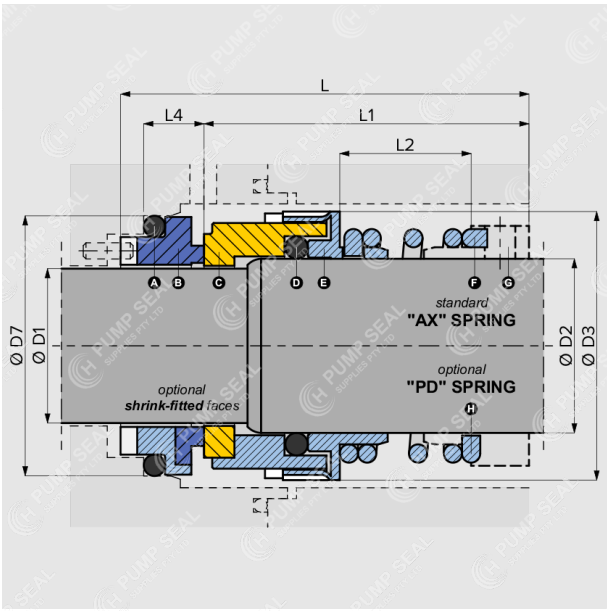
H103B

'TYPE B103'
SPECIFICATION SHEET





- **O-Ring, Parallel-Spring Drive**
- **To PRC JB/T 1472 Standards**
- **Balanced**
- **Clockwise Shaft Rotation Only**

H103B is a JB/T 1472 compliant balanced mechanical seal for metric shafts, based on the Chinese Machinery Industry Standard "Type B103".

A right-hand wound parallel spring is legged 90° axially at the end coil ("AX" Spring), slotting into a collar which drives the seal (**excluded**). Due to coil direction, it is only usable for clockwise-rotating shafts.

An alternative ("PD" Spring) is available which is legged 90° perpendicularly, for other drive collars.

The seal faces are available standard with solid (monolithic) faces. Alternative shrink-fitted faces are available.

- **Operating conditions**[1]

Temperature: -20°C to +200°C
Pressure: <30 bar, 435 psi, 3 MPa
Speed: < 13m/s, 2560 fpm
rpm < 780000/(3.14 x D2)

- **Material Options**

Rotary Face: (SiC) or (TC)
Stationary Face: (CAB), (SiC) or (TC)
Elastomer: N, V or EP
Metal Parts: 304S.S.

PARTS

A Stationary O-ring
B Stationary Face / Ring
C Rotary Face / Ring
D Rotary O-ring
E Rotary Holder
F Rotary "AX" Spring
G **excluded* Drive Collar*
H Rotary "PD" Spring

SEAT

S20 standard

EQUIVALENT

JB/T 1472 - Type B103

DIMENSIONS

D1 / D2 = Shaft Size D3 = Rotary OD L2 = Spring W.L.
D7 = Seat Cavity L4 = Seat Height L1 / L = JB/T 1472 norm.

D1 / D2	D3	L2	D7	L4	L1	L
17/22mm	39.0	20.0	42.0	14.0	56.0	75.0
20/25mm	42.0	20.0	45.0	14.0	56.0	75.0
25/30mm	52.0	22.0	50.0	14.0	65.0	84.0

Additional sizes not typically stocked, therefore omitted. Contact us for more info.

[1] Guide-values only (due to diversity of possible applications). Enquire for specific-use cases. Maximum values of each parameter cannot be applied together.

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