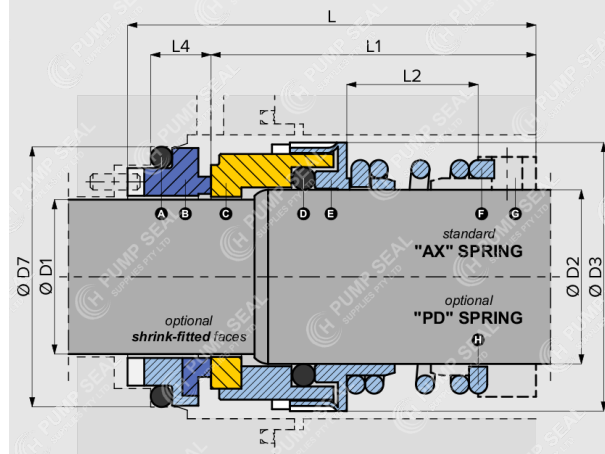


H103B

'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 conditions¹

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
11/16mm	33.0	12.0	33.0	12.0	48.0	64.0
13/18mm	35.0	16.0	36.0	12.0	52.0	68.0
15/20mm	37.0	16.0	40.0	14.0	52.0	71.0
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
22/28mm	45.0	22.0	48.0	14.0	58.0	77.0
25/30mm	52.0	22.0	50.0	14.0	65.0	84.0
28/35mm	57.0	26.0	55.0	14.0	70.0	89.0
34/40mm	62.0	30.0	60.0	14.0	74.0	93.0
38/45mm	67.0	36.0	65.0	14.0	81.0	100.0
44/50mm	72.0	40.0	70.0	14.0	85.0	104.0
48/55mm	77.0	42.0	75.0	14.0	87.0	106.0
52/60mm	82.0	42.0	80.0	14.0	87.0	106.0
58/65mm	92.0	50.0	90.0	17.0	96.0	118.0
62/70mm	97.0	52.0	97.0	19.0	101.0	126.0
66/75mm	102.0	52.0	102.0	19.0	101.0	126.0
72/80mm	107.0	59.0	107.0	19.0	108.0	133.0
76/85mm	112.0	59.0	112.0	19.0	110.0	135.0
82/90mm	117.0	60.0	117.0	19.0	111.0	136.0
85/95mm	122.0	60.0	122.0	19.0	111.0	136.0
90/100mm	127.0	60.0	127.0	19.0	111.0	136.0
100/110mm	141.0	80.0	142.0	21.0	138.0	165.0
110/120mm	151.0	80.0	152.0	21.0	138.0	165.0

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