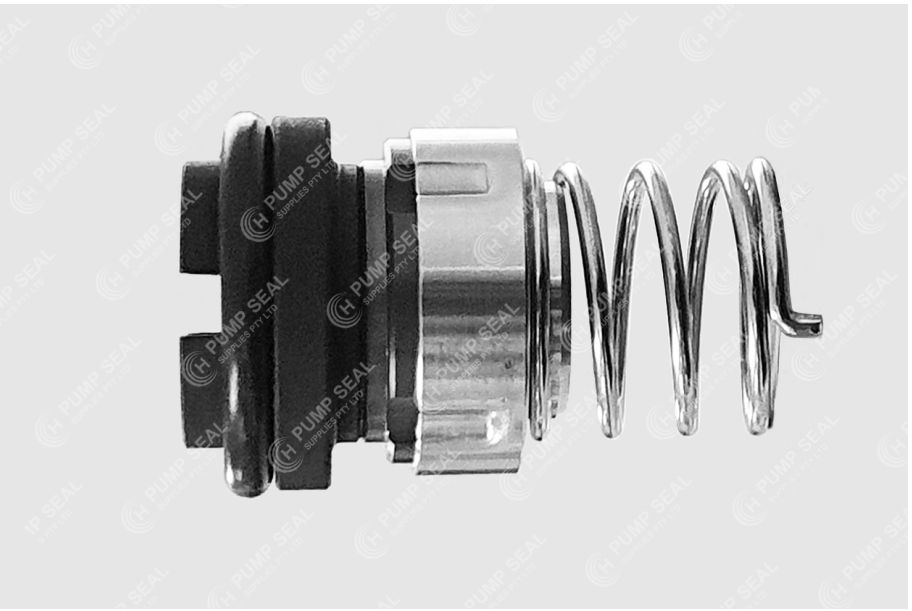
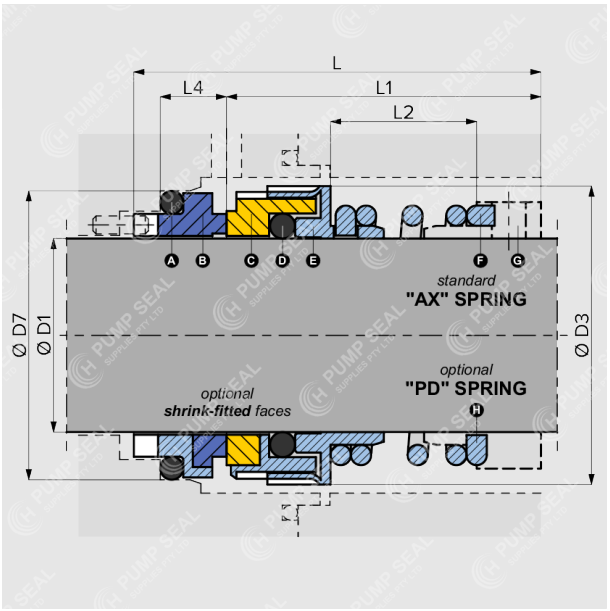
H103U

'TYPE 103'
SPECIFICATION SHEET





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

H103U is a JB/T 1472 compliant unbalanced mechanical seal for metric shafts, based on the Chinese Machinery Industry Standard "Type 103".

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:	< 8 bar, 116 psi, 0.8 MPa
Speed:	< 13m/s, 2560 fpm
	rpm < 780000/(3.14 x D1)

- **Material Options**

Rotary Face:	SiC or (TC)
Stationary Face:	CAB 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

S18 standard

EQUIVALENT

JB/T 1472 - Type 103

DIMENSIONS

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

D1	D3	L2	D7	L4	L1	L
22mm	39.0	20.0	42.0	14.0	48.0	67.0
25mm	42.0	20.0	45.0	14.0	48.0	67.0
30mm	52.0	22.0	50.0	14.0	56.0	75.0

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.

© 2025 Pump Seal Supplies Pty Ltd
No part of this publication may be reproduced or transmitted in any form without permission