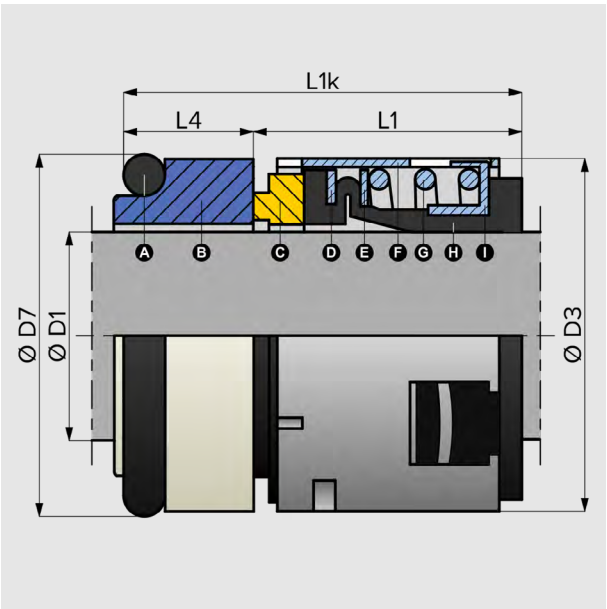
H502

'TYPE 502'
SPECIFICATION SHEET





- **Rubber Bellows Drive**
- **To DIN EN 12756 Standards**
- **High Pressure**
- **Non-Clogging, Self-Aligning**
- **Bi-Directional**

H502 is a DIN EN 12756 compliant mechanical seal for metric shafts, based on the industry standard "Type 502" design. It is widely specified as a "high-pressure" alternative for existing seal configurations without impacting fitted working lengths.

The rubber bellows extends the full length of the seal, protecting the shaft against wear. The bellows and spring are encased by a metal housing protecting these components from impact damage.

An optional "BP" seat includes an extended tail with a slot to accommodate an anti-rotation pin

- **Operating conditions**[1]

Temperature: -40°C to +205°C
Pressure: < 40 bar, 580 psi, 4 MPa
Speed: < 13m/s, 2500 fpm
rpm < 780000/(3.14 x D1)

- **Material Options**

Rotary Face: CAB, SiC or TC
Stationary Face: CER, 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 Washer
E Rotary Washer
F Rotary Metal Housing
G Rotary Spring
H Rotary Rubber Bellows
I Rotary Drive Collar

SEAT OPTIONS

BO standard
BP w/ anti-rotation slot
BM cup-mounted

EQUIVALENT

T502
B07 / B07S / B07SL
Type 1724S / 1724L
250 / P250
RB852

DIMENSIONS

D1 = Shaft Size
L1 = Rotary W.L.
D7 = Seat Cavity
L4 = Seat Height
D3 = Rotary OD
L1k = DIN L1k norm.

D1	D3	D7	L4	L1	L1K
14mm	24.0	25.0	12.0	23.0	35.0
16mm	26.0	27.0	12.0	23.0	35.0
18mm	32.0	33.0	13.5	24.0	37.5
20mm	34.0	35.0	13.5	24.0	37.5
22mm	36.0	37.0	13.5	24.0	37.5
24mm	38.0	39.0	13.3	26.7	40.0
25mm	39.0	40.0	13.0	27.0	40.0
28mm	42.0	43.0	12.5	30.0	42.5
30mm	44.0	45.0	12.0	30.5	42.5
32mm	46.0	48.0	12.0	30.5	42.5
33mm	47.0	48.0	12.0	30.5	42.5
35mm	49.0	50.0	12.0	30.5	42.5
38mm	54.0	56.0	13.0	32.0	45.0
40mm	56.0	58.0	13.0	32.0	45.0
43mm	59.0	61.0	13.0	32.0	45.0
45mm	61.0	63.0	13.0	32.0	45.0
48mm	64.0	66.0	13.0	32.0	45.0
50mm	66.0	70.0	13.5	34.0	47.5
53mm	69.0	73.0	13.5	34.0	47.5
55mm	71.0	75.0	13.5	34.0	47.5
58mm	78.0	78.0	13.5	39.0	52.5
60mm	80.0	80.0	13.5	39.0	52.5
63mm	83.0	83.0	13.5	39.0	52.5
65mm	85.0	85.0	13.5	39.0	52.5
68mm	88.0	90.0	13.5	39.0	52.5
70mm	89.0	92.0	14.5	45.5	60.0
75mm	96.0	97.0	14.5	45.5	60.0
80mm	104.0	105.0	15.0	45.0	60.0
85mm	108.0	110.0	15.0	45.0	60.0
90mm	114.0	115.0	15.0	50.0	65.0
95mm	118.0	120.0	15.0	50.0	65.0
100mm	124.0	125.0	15.0	50.0	65.0

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

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