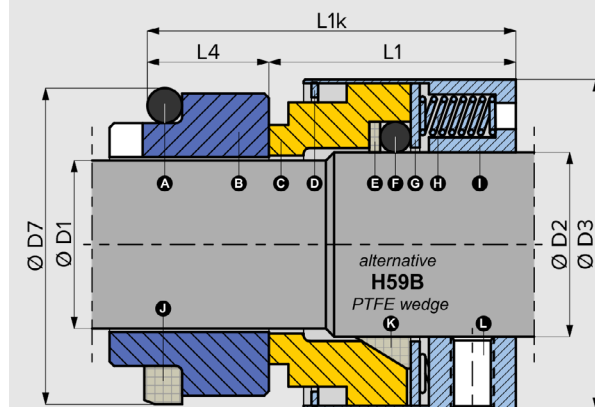


H58B / H59B

'TYPE 58B / 59B'

SPECIFICATION SHEET



- **O-ring, Multi-Spring Pusher**
- **To DIN EN 12756 Standards**
- **Balanced**
- **Bi-directional**

H58B is a DIN EN 12756 compliant mechanical seal for metric shafts, based on the industry standard "Type 58B & 59B" designs. The multi-spring design ensures even face pressure, minimising face wear whilst also compensating for any shaft misalignment.

Originally designed to use a PTFE wedge (H59B) as the secondary seal, improvements in o-ring materials have made the o-ring version (H58B) more common, due to ease of access and replaceability.

The multi-spring holes are ported to the rear, reducing the risk of spring clogging from product build-up.

An additional rear pin hole allows two units to be mounted back-to-back, forming a double seal.

► Operating conditions¹

Temperature: -30°C to +260°C
 Pressure: < 62 bar, 900 psi, 6.2 MPa
 Speed: < 25m/s, 5000 fpm
 rpm < 1500000/(3.14 x D1)

► Material Options

Rotary Face: CAB, A1 or SiC
 Stationary Face: SiC
 Elastomer: N, V or EP
 Metal Parts: 304S.S.

PARTS

- A Stationary O-ring
- B Stationary Face / Ring
- C Rotary Face / Ring
- D Rotary Snap Ring
- E Rotary PTFE Spacer Ring
- F Rotary O-ring
- G Rotary Washer
- H Rotary Multi-Springs
- I Rotary Housing
- J Stationary PTFE *optional*
- K H59B - PTFE wedge
- L Rotary Set Screws

SEAT OPTIONS

- BP standard, with slot
- BO no tail / slot
- BM cup-mounted

EQUIVALENT

T58B / T59B
 M04SU / M04U
 1659BS / 1659B
 BT-C5.KB
 BT-C56.KB
 RB858B / RB859B

DIMENSIONS

D1 / D2 = Shaft Size D3 = Rotary OD D7 = Seat Cavity
 L4 = Seat Height L1 = Rotary W.L. L1k = DIN L1k norm.

D1/D2	D3	D7	L4	L1	L1k
14/18mm	32.0	25.0	12.0	30.5	42.5
16/20mm	34.0	27.0	12.0	30.5	42.5
18/22mm	36.0	33.0	13.5	31.5	45.0
20/24mm	38.0	35.0	13.5	31.5	45.0
22/26mm	40.0	37.0	13.5	31.5	45.0
24/28mm	42.0	39.0	13.3	34.2	47.5
25/30mm	44.0	40.0	13.0	34.5	47.5
28/33mm	47.0	43.0	12.5	37.5	50.0
30/35mm	49.0	45.0	12.0	38.0	50.0
32/38mm	54.0	48.0	12.0	38.0	50.0
33/38mm	54.0	48.0	12.0	38.0	50.0
35/40mm	56.0	50.0	12.0	38.0	50.0
38/43mm	59.0	56.0	13.0	39.5	52.5
40/45mm	61.0	58.0	13.0	39.5	52.5
43/48mm	64.0	61.0	13.0	39.5	52.5
45/50mm	66.0	63.0	13.0	39.5	52.5
48/53mm	69.0	66.0	13.0	39.5	52.5
50/55mm	71.0	70.0	13.5	44.0	57.5
53/58mm	78.0	73.0	13.5	44.0	57.5
55/60mm	80.0	75.0	13.5	44.0	57.5
58/63mm	83.0	78.0	13.5	49.0	62.5
60/65mm	85.0	80.0	13.5	49.0	62.5
63/68mm	88.0	83.0	13.5	49.0	62.5
65/70mm	90.0	85.0	13.5	49.0	62.5
70/75mm	95.0	92.0	14.5	55.5	70.0
75/80mm	104.0	97.0	14.5	55.5	70.0
80/85mm	109.0	105.0	15.0	55.0	70.0
85/90mm	114.0	110.0	15.0	60.0	75.0
90/95mm	119.0	115.0	15.0	60.0	75.0
95/100mm	124.0	120.0	15.0	60.0	75.0
100/105mm	129.0	125.0	15.0	60.0	75.0

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