

H58U / H59U

'TYPE 58U / 59U'

SPECIFICATION SHEET



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

H58U is a DIN EN 12756 compliant mechanical seal for metric shafts, based on the industry standard "Type 58U & 59U" 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 (H59U) as the secondary seal, improvements in o-ring materials have made the o-ring version (H58U) 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: < 17 bar, 245 psi, 1.7 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

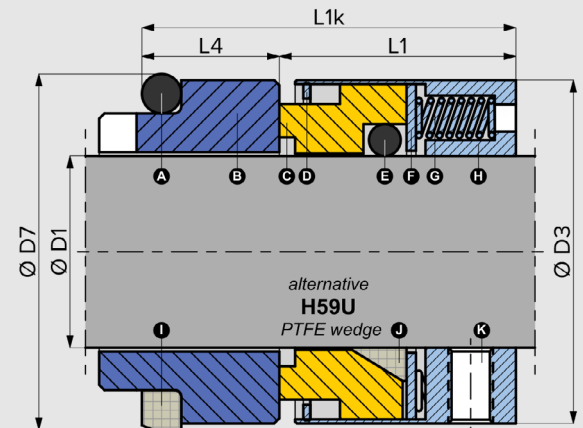
- A Stationary O-ring
- B Stationary Face / Ring
- C Rotary Face / Ring
- D Rotary Snap Ring
- E Rotary O-ring
- F Rotary Washer
- G Rotary Multi-Springs
- H Rotary Housing
- I Stationary PTFE *optional*
- J H59U - PTFE wedge
- K Rotary Set Screws

SEAT OPTIONS

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

EQUIVALENT

T58U / T59U
 M03SU / M03U
 1659S / 1659
 BT-C5
 BT-C56.KU
 RB858 / RB859



DIMENSIONS

D1 = Shaft Size D3 = Rotary OD D7 = Seat Cavity
 L4 = Seat Height L1 = Rotary W.L. 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	90.0	92.0	14.5	45.5	60.0
75mm	95.0	97.0	14.5	45.5	60.0
80mm	104.0	105.0	15.0	45.0	60.0
85mm	109.0	110.0	15.0	45.0	60.0
90mm	114.0	115.0	15.0	50.0	65.0
95mm	119.0	120.0	15.0	50.0	65.0
100mm	124.0	125.0	51.0	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.