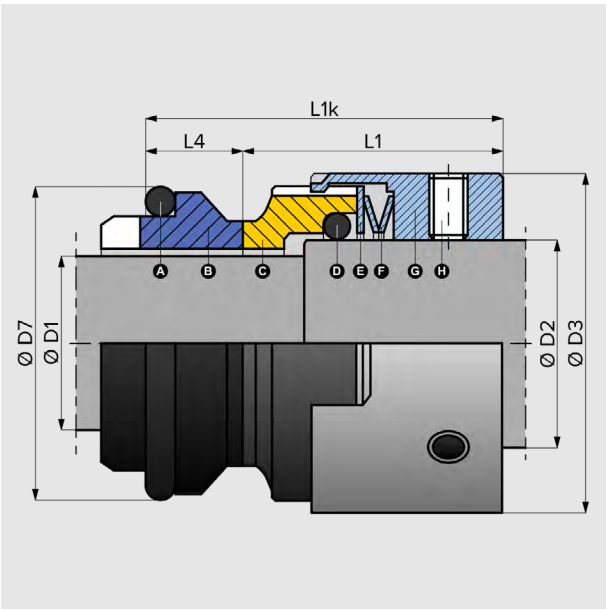
H7B

'H7N'
SPECIFICATION SHEET





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

H7B is a DIN EN 12756 compliant mechanical seal for metric shafts, based on the industry standard "H7N" design. It is balanced to suit stepped shafts. It is o-ring mounted and relies on a one-piece, sinuous wave-spring that offers greater axial movement tolerance while reducing the risk of clogging.

The design allows the rotating seal face to be easily replaced or interchanged.

Operating conditions[1]

Temperature:	-30°C to +260°C
Pressure:	< 40 bar, 580 psi, 4 MPa
Speed:	< 20m/s, 4000 fpm
	rpm < 1200000/(3.14 x D2)

Material Options

Rotary Face:	SiC
Stationary Face:	SiC, CAB or A1
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 Thrust Ring
- **F** Rotary Wave-Spring
- **G** Rotary Holder
- **H** Rotary Set Screws

SEAT OPTIONS

G9	standard - SiC
G15	standard - CAB
G4	Euro - SiC
G13	Euro - CAB
G6	DIN EN Short - SiC

EQUIVALENT

H7N
P167B
W07DMBU
Type 1678 / 1678M
RB677

DIMENSIONS

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

D1/D2	D3	D7	L4	L1	L1K
14/18mm	33.0	25.0	10.0	32.5	42.5
16/20mm	35.0	27.0	10.0	32.5	42.5
18/22mm	37.0	33.0	11.5	33.5	45.0
20/24mm	39.0	35.0	11.5	33.5	45.0
22/26mm	40.0	37.0	11.5	33.5	45.0
24/28mm	43.0	39.0	11.5	36.0	47.5
25/30mm	45.0	40.0	11.5	36.0	47.5
28/33mm	47.0	43.0	11.5	38.5	50.0
30/35mm	48.0	45.0	11.5	38.5	50.0
32/38mm	55.0	48.0	11.5	38.5	50.0
33/38mm	55.0	48.0	11.5	38.5	50.0
35/40mm	57.0	50.0	11.5	38.5	50.0
38/43mm	60.0	56.0	14.0	38.5	52.5
40/45mm	62.0	58.0	14.0	38.5	52.5
43/48mm	65.0	61.0	14.0	38.5	52.5
45/50mm	67.0	63.0	14.0	38.5	52.5
48/53mm	70.0	66.0	14.0	38.5	52.5
50/55mm	72.0	70.0	15.0	42.5	57.5
53/58mm	79.0	73.0	15.0	42.5	57.5
55/60mm	81.0	75.0	15.0	42.5	57.5
58/63mm	84.0	78.0	15.0	47.5	62.5
60/65mm	86.0	80.0	15.0	47.5	62.5
63/68mm	89.0	83.0	15.0	47.5	62.5
65/70mm	91.0	85.0	15.0	47.5	62.5
70/75mm	99.0	92.0	18.0	52.0	70.0
75/80mm	104.0	97.0	18.0	52.0	70.0
80/85mm	109.0	105.0	18.2	51.8	70.0
85/90mm	114.0	110.0	18.2	56.8	75.0
90/95mm	119.0	115.0	18.2	56.8	75.0
95/100mm	124.0	120.0	17.2	57.8	75.0
100/105mm	129.0	125.0	17.2	57.8	75.0
105/115mm*	148.0	134.3	20.0	53.0	73.0
110/120mm*	153.0	140.3	20.0	53.0	73.0
115/125mm*	158.0	148.3	20.0	53.0	73.0
120/130mm*	163.0	150.3	20.0	53.0	73.0

* non-DIN EN 12756 size

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