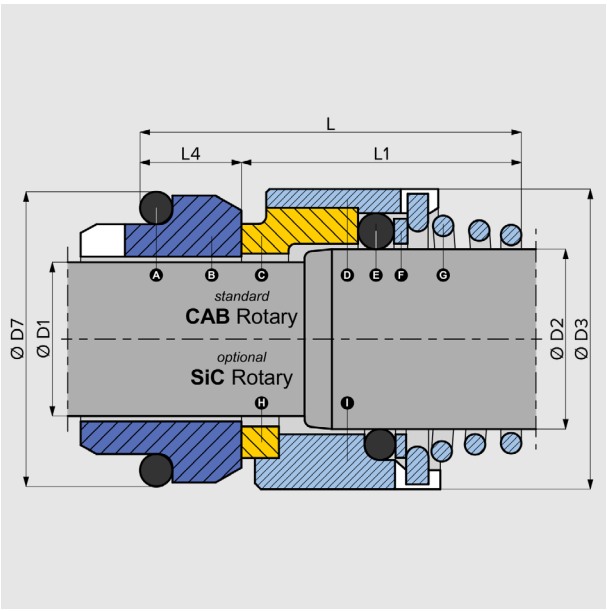
H12N

'H12N / H17GN'
SPECIFICATION SHEET





- **O-ring, Conical-Spring Drive**
- **Shaft Rotation Dependant**
- **Balanced**
- **To DIN EN 12756 Standards**

H12N is a DIN EN 12756 compliant (apart from fitting length) conical spring-driven balanced mechanical seal, based on the industry standard "H12N & H17GN" designs. The spring provides both axial and rotational force being tightly wound in the direction of the rotating shaft.

Available in shrink-fitted carbon or carbide rotary face materials, dimensionally interchangeable.

- **Operating conditions[1]**

Temperature: -30°C to +260°C
Pressure: < 25 bar, 360 psi, 2.5 MPa
Speed: < 15m/s, 3000 fpm
rpm < 900000/(3.14 x D2)

- **Material Options**

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

PARTS

A Stationary O-ring
B Stationary Face / Ring
C CAB Rotary Face / Ring
D CAB Rotary Holder
E Rotary O-ring
F Rotary Thrust Ring
G Rotary Conical Spring
H SiC Rotary Face / Ring
I SiC Rotary Holder

SEAT

G9 standard, with slot

EQUIVALENT

H12N / H17GN
P32
T01DB/ T01DBU
Type 82
RB642 / RB647

DIMENSIONS

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

D1/D2	D3	D7	L4	L1	L
10/14mm	24.0	21.0	10.0	25.5	35.5
12/16mm	26.0	23.0	10.0	26.5	36.5
14/18mm	31.0	25.0	10.0	29.5	39.5
16/20mm	34.0	27.0	10.0	31.0	41.0
18/22mm	36.0	33.0	11.5	32.5	44.0
20/24mm	38.0	35.0	11.5	32.5	44.0
24/28mm	42.0	39.0	11.5	32.5	44.0
25/30mm	44.0	40.0	11.5	33.5	45.0
28/33mm	47.0	43.0	11.5	35.5	47.0
30/35mm	49.0	45.0	11.5	35.5	47.0
32/38mm	54.0	48.0	11.5	39.5	51.0
33/38mm	54.0	48.0	11.5	39.5	51.0
35/40mm	56.0	50.0	11.5	43.5	55.0
38/43mm	59.0	56.0	14.0	46.0	60.0
40/45mm	61.0	58.0	14.0	48.0	62.0
43/48mm	64.0	61.0	14.0	51.0	65.0
45/50mm	66.0	63.0	14.0	55.0	69.0
48/53mm	69.0	66.0	14.0	55.0	69.0
50/55mm	71.0	70.0	15.0	58.0	73.0
53/58mm	78.0	73.0	15.0	60.0	75.0
55/60mm	79.0	75.0	15.0	60.0	75.0
60/65mm	85.0	80.0	15.0	60.0	75.0
63/68mm	88.0	83.0	15.0	60.0	75.0
65/70mm	90.0	85.0	15.0	61.0	76.0
70/75mm	98.0	92.0	18.0	63.0	81.0
75/80mm	103.0	97.0	18.0	68.0	86.0

[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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