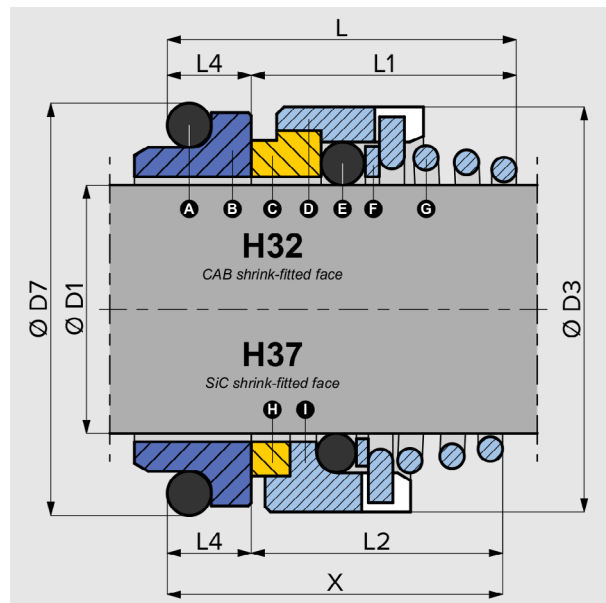
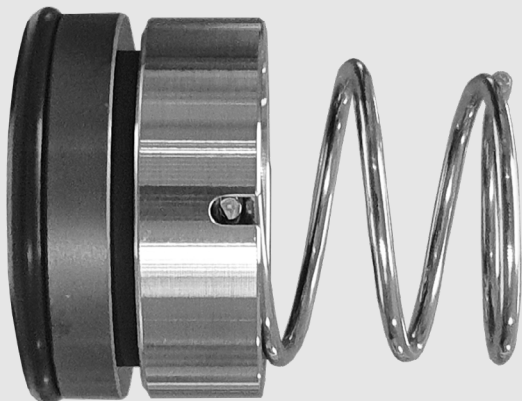


H32 / H37

'M3N'

SPECIFICATION SHEET



- O-ring, Conical-Spring Drive
- Shaft Rotation Dependant
- Unbalanced
- Metric Sizes - European

H3_ series are conical spring-driven mechanical seals for metric shafts, based on the industry standard "M3N" design. The spring provides both axial and rotational force being tightly wound in the direction of the rotating shaft.

Compliance to DIN EN 12756 in shaft size only. Fitting length and stationary cavity size ("G4" seat standard) to European dimensional standards.

H32 is shrink-fitted rotary "soft" face i.e. resin-carbon (CAB) or antimony-carbon (A1). Equivalent "M32".

H37 is shrink-fitted rotary "hard" face i.e. silicon carbide (SiC). Equivalent "M37G".

H3 is monolithic one-piece rotary, i.e. S.S. or CAB. Equivalent "M2" or "M3"

► Operating conditions¹

Temperature: -30°C to +260°C
 Pressure: < 10 bar, 145 psi, 1 MPa
 Speed: < 10m/s, 2000 fpm
 rpm < 600000/(3.14 x D1)

► Material Options

Elastomer: N, V or EP
 Metal Parts: 304S.S.

PARTS

- A Stationary O-ring
- B Stationary Face / Ring
- C H32 - Rotary Face / Ring
- D H32 - Rotary Holder
- E Rotary O-ring
- F Rotary Thrust Ring
- G Rotary Conical Spring
- H H37 - Rotary Face / Ring
- I H37 - Rotary Holder

SEAT OPTIONS

- G4 standard, euro - SiC
- G13 euro - CAB
- G6 DIN EN, no slot
- G9 DIN EN, with slot

EQUIVALENT

- M3N range:
- M3, M32, M37, M37G
- M32N4, M37N4, M37GN4
- M3N, M32N, M37N, M37GN
- M2N range:
- M2, M2N4, M2N
- 37 / 38 / 38D / 39
- P37 / P38 / P38B / P39
- T01 / T01U / T01D / T01DU
- T02 / T02U
- Type 8, 8B, 8DIN, 8DINS
- Type 9
- RB632 / RB638

DIMENSIONS

D1 = Shaft Size D3 = Rotary OD D7 = Seat Cavity
 L4 = Seat Height L1 = H32 Rotary W.L. L2 = H37 Rotary W.L.

D1	D3	D7	L4	L1	L2	L	X
10mm	20.0	19.2	6.6	16.9	15.5	23.5	23.5
12mm	22.0	21.6	5.6	17.4	16.0	23.0	21.6
14mm	24.0	24.6	5.6	17.4	16.5	23.0	22.1
15mm*	25.0	24.6	6.6	17.4	16.5	24.0	23.1
16mm	26.0	28.0	7.5	17.4	16.5	24.9	24.0
18mm	31.0	30.0	8.0	20.5	18.0	28.5	26.0
20mm	34.0	35.0	8.0	22.0	19.0	30.0	27.0
22mm	36.0	35.0	7.5	23.5	20.5	31.0	28.0
24mm	38.0	38.0	7.5	25.0	22.0	32.5	29.5
25mm	39.0	38.0	7.5	26.5	23.5	34.0	31.0
28mm	42.0	42.0	9.0	26.5	23.5	35.5	32.5
30mm	44.0	45.0	10.5	26.5	24.5	37.0	35.0
32mm	46.0	48.0	10.5	28.5	28.0	39.0	38.5
33mm	47.0	-	-	28.5	28.0	-	-
35mm	49.0	52.0	11.0	28.5	28.0	39.5	39.0
38mm	54.0	55.0	10.3	32.2	31.0	42.5	41.3
40mm	56.0	58.0	10.8	34.7	34.0	45.5	44.8
43mm	59.0	-	-	38.5	35.5	-	-
45mm	61.0	64.0	11.6	39.2	36.5	50.8	48.1
48mm	61.0	68.4	11.6	44.7	42.0	56.3	53.6
50mm	66.0	69.3	11.6	45.7	43.0	57.3	54.6
53mm	69.0	-	-	47.0	44.0	-	-
55mm	71.0	75.4	13.3	49.0	47.0	62.3	60.3
58mm	78.0	78.4	13.3	55.0	51.0	68.3	64.3
60mm	79.0	80.4	13.3	55.0	51.0	68.3	64.3
63mm	83.0	-	-	55.0	52.0	-	-
65mm	85.0	85.4	13.0	54.3	52.0	67.3	65.0
68mm	88.0	91.5	13.7	56.3	54.0	70.0	67.7
70mm	90.0	92.0	13.0	56.3	54.0	69.3	67.0
75mm	98.0	99.0	14.0	56.3	54.0	70.3	68.0
80mm	103.0	104.0	15.0	59.3	58.0	74.3	73.0

* non-DIN EN 12756 size

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