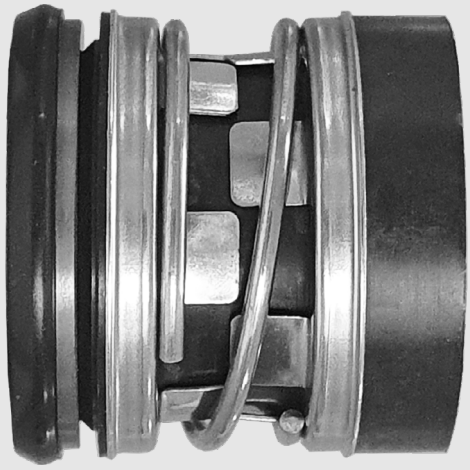
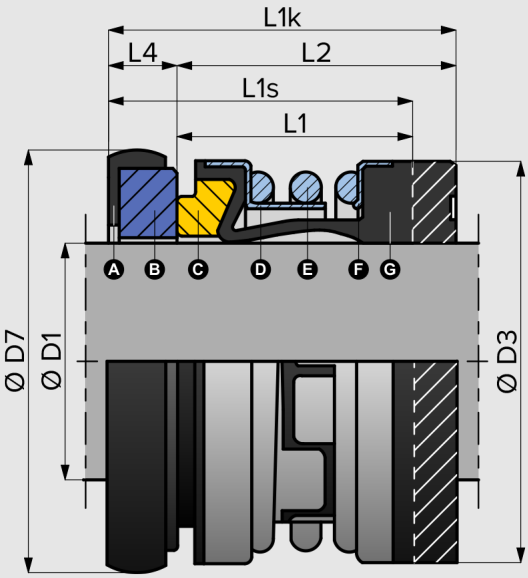
HC1 / HC12

'TYPE 2100'
SPECIFICATION SHEET





- **Rubber Bellows Drive**
- **To DIN EN 12756 Standards**
- **High Speed**
- **Bi-Directional**

HC_ series are based on the industry standard "Type 2100" design. HC12 is standardised to DIN EN 12756 "L1k" operating length while HC1 is standardised to DIN EN 12756 "L1s".

The HC_ design utilises inter-meshing metal tags which protect the bellows from torsional strain under higher operating speeds.

An optional "BS" o-ring mounted seat is available.

- **Operating conditions**[1]

Temperature: -20°C to +200°C
Pressure: < 20 bar, 290 psi, 2 MPa
Speed: < 15m/s, 3000 fpm
rpm < 900000/(3.14 x D1)

- **Material Options**

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

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

PARTS

A Stationary Cup
B Stationary Face / Ring
C Rotary Face / Ring
D Rotary Holder
E Rotary Spring
F Rotary Drive Collar
G Rotary Rubber Bellows

SEAT OPTIONS

C60 standard
BS o-ring mounted

EQUIVALENT

T2100, 2100K, 2100S
B05 / B05U / B052 / B092U
B05S / B052S / B092SSU
Type 14DIN / 14DINS
Type 142DIN / 142DINS
RB210 / RB212

DIMENSIONS

D1 = Shaft Size D7 = Seat Cavity D3 = Rotary OD
L1 / L2 = Rotary W.L. L4 = Seat Height L1s / L1k = DIN norm.

D1	D3	D7	L4	L1	L2	L1S	L1K
10mm	20.0	22.0	5.0	15.0	27.5	20.0	32.5
12mm	22.0	23.0	6.0	15.0	26.5	21.0	32.5
14mm	24.0	25.0	6.0	15.0	29.0	21.0	35.0
15mm*	25.0	26.0	6.0	15.0	29.0	-	-
16mm	26.0	27.0	6.0	15.0	29.0	21.0	35.0
18mm	32.0	33.0	6.0	20.0	31.5	26.0	37.5
20mm	34.0	35.0	6.0	20.0	31.5	26.0	37.5
22mm	36.0	37.0	6.0	20.0	31.5	26.0	37.5
24mm	38.0	39.0	6.0	20.0	34.0	26.0	40.0
25mm	39.0	40.0	6.0	20.0	34.0	26.0	40.0
28mm	42.0	43.0	6.0	26.0	36.5	32.0	42.5
30mm	44.0	45.0	7.0	26.0	35.5	33.0	42.5
32mm	46.0	48.0	7.0	26.0	35.5	33.0	42.5
33mm	47.0	48.0	7.0	26.0	35.5	33.0	42.5
35mm	49.0	50.0	8.0	26.0	34.5	34.0	42.5
38mm	54.0	56.0	8.0	30.0	37.0	38.0	45.0
40mm	56.0	58.0	8.0	30.0	37.0	38.0	45.0
43mm	59.0	61.0	8.0	30.0	37.0	38.0	45.0
45mm	61.0	63.0	8.0	30.0	37.0	38.0	45.0
48mm	64.0	66.0	10.0	30.0	35.0	40.0	45.0
50mm	66.0	70.0	10.0	30.0	37.5	40.0	47.5
53mm	69.0	73.0	10.0	30.0	37.5	40.0	47.5
55mm	71.0	75.0	10.0	30.0	37.5	40.0	47.5
58mm	78.0	78.0	10.0	33.0	42.5	43.0	52.5
60mm	80.0	80.0	12.0	33.0	40.5	45.0	52.5
63mm	83.0	83.0	12.0	33.0	40.5	45.0	52.5
65mm	85.0	85.0	12.0	33.0	40.5	45.0	52.5
68mm	88.0	90.0	12.0	33.0	40.5	45.0	52.5
70mm	90.0	92.0	12.0	33.0	48.0	45.0	60.0
75mm	99.0	97.0	12.0	40.0	48.0	52.0	60.0
80mm	104.0	105.0	12.5	40.0	47.5	52.5	60.0
85mm	109.0	110.0	12.5	40.0	47.5	52.5	60.0
90mm	114.0	115.0	12.5	40.0	52.5	52.5	65.0
95mm	119.0	120.0	12.5	40.0	52.5	52.5	65.0
100mm	124.0	125.0	12.5	40.0	52.5	52.5	65.0

* non-DIN EN 12756 size

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