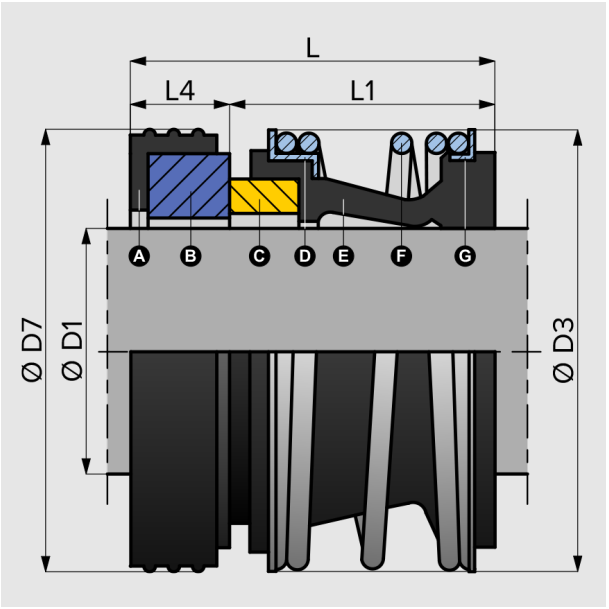
HG1

'MG1'
SPECIFICATION SHEET





- **Rubber Bellows Drive**
- **Interchangeable With MG1**
- **Compact Fitting Length**
- **Bi-Directional**

HG1 is a compact mechanical seal for metric shafts, based on the industry standard "MG1" design. It is suitable for solids-containing media as the bellows extend the full length of the seal, protecting the shaft against wear.

Metric shaft sizes and seat cavities are standardised to DIN EN 12756, except for the special compact fitting length.

An optional "G6" o-ring mounted seat is available.

- **Operating conditions**[1]

Temperature:	-20°C to +200°C
Pressure:	< 12 bar, 175 psi, 1.2 MPa
Speed:	< 10m/s, 2000 fpm
	rpm < 600000/(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 Cup
B Stationary Face / Ring
C Rotary Face / Ring
D Rotary "L" Ring
E Rotary Rubber Bellows
F Rotary Spring
G Rotary "L" Ring

SEAT OPTIONS

G60	standard
G6	o-ring mounted
G4	o-ring, euro cavity
G9	o-ring, slotted
G50	cup, euro

EQUIVALENT

MG1
B02 / B02S / B02SS / B02SL
Type 19 / 19B / 19L / 19S
140 / P140
190 / P190
RB610

DIMENSIONS

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

D1	D3	D7	L4	L1	L
10mm	24.0	21.0	6.6	14.5	21.1
12mm	24.0	23.0	6.6	15.0	21.6
14mm	28.5	25.0	6.6	17.0	23.6
15mm	28.5	24.6*	6.6	17.0	23.6
16mm	28.5	27.0	6.6	17.0	23.6
17mm	32.0	33.0	7.5	19.5	27.0
18mm	32.0	33.0	7.5	19.5	27.0
19mm	37.0	34.1^	10.5	21.5	32.0
20mm	37.0	35.0	7.5	21.5	29.0
22mm	37.0	37.0	7.5	21.5	29.0
24mm	42.5	39.0	7.5	22.5	30.0
25mm	42.5	40.0	7.5	23.0	30.5
28mm	49.0	43.0	7.5	26.5	34.0
30mm	49.0	45.0	7.5	26.5	34.0
32mm	53.5	48.0	7.5	27.5	35.0
33mm	53.5	48.0	7.5	27.5	35.0
35mm	57.0	50.0	7.5	28.5	36.0
38mm	59.0	56.0	9.0	30.0	39.0
40mm	62.0	58.0	9.0	30.0	39.0
43mm	65.5	61.0	9.0	30.0	39.0
45mm	68.0	63.0	9.0	30.0	39.0
48mm	70.5	66.0	9.0	30.5	39.5
50mm	74.0	70.0	9.5	30.5	40.0
53mm	78.5	73.0	11.0	33.0	44.0
55mm	81.0	75.0	11.0	35.0	46.0
58mm	85.5	78.0	11.0	37.0	48.0
60mm	88.5	80.0	11.0	38.0	49.0
63mm	91.0	83.0	11.0	40.0	51.0
65mm	93.5	85.0	11.0	40.0	51.0
68mm	96.5	90.0	11.3	40.0	51.3
70mm	99.5	92.0	11.3	40.0	51.3
75mm	107.0	97.0	11.3	40.0	51.3
80mm	112.0	105.0	12.0	40.0	52.0
85mm	120.0	110.0	14.0	41.0	55.0
90mm	127.0	115.0	14.0	45.0	59.0
95mm	132.0	120.0	14.0	46.0	60.0
100mm	137.0	125.0	14.0	47.0	61.0

*G4 Seat Standard ^G50 Seat Standard

[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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