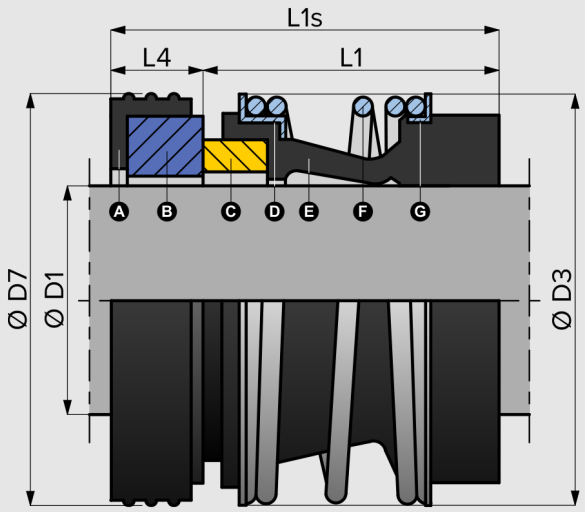
HG1S20

'MG1S20'
SPECIFICATION SHEET





- **Rubber Bellows Drive**
- **Interchangeable With MG1S20**
- **To DIN EN 12756 Standards**
- **Bi-Directional**

HG1S20 is a DIN EN 12756 compliant mechanical seal for metric shafts, based on the industry standard "MG1S20" design. It is suitable for solids-containing media as the bellows extend the full length of the seal, protecting the shaft against wear.

Fitting length to DIN EN 12756 "L1s"

- **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:	CER or 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

G50 (N)	standard
W	o-ring mounted

EQUIVALENT

MG1S20
BP02 / BP02U
Type 1520
150 / P150
RB614

DIMENSIONS

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

D1	D3	D7	L4	L1	L1S
10mm	24.0	24.60	9.0	25.0	34.0
12mm	24.0	27.80	9.0	25.0	34.0
14mm	28.5	30.95	10.5	25.0	35.5
15mm	28.5	30.95	10.5	25.0	35.5
16mm	28.5	30.95	10.5	25.0	35.5
18mm	32.0	34.15	10.5	25.0	35.5
19mm	37.0	34.15	10.5	25.0	35.5
20mm	37.0	35.70	10.5	25.0	35.5
22mm	37.0	37.30	10.5	25.0	35.5
24mm	42.5	40.50	10.5	25.0	35.5
25mm	42.5	40.50	10.5	25.0	35.5
28mm	49.0	47.65	12.0	33.0	45.0
30mm	49.0	50.80	12.0	33.0	45.0
32mm	53.5	50.80	12.0	33.0	45.0
33mm	53.5	54.00	12.0	33.0	45.0
35mm	57.0	54.00	12.0	33.0	45.0
38mm	59.0	57.15	12.0	33.0	45.0
40mm	62.0	60.35	12.0	33.0	45.0
43mm	65.5	63.50	12.0	41.0	53.0
45mm	68.0	63.50	12.0	41.0	53.0
48mm	70.5	66.70	12.0	41.0	53.0
50mm	74.0	69.85	13.5	41.0	53.0
52mm	78.5	69.85	13.5	41.0	53.0
53mm	78.5	73.05	13.5	41.0	53.0
55mm	81.0	76.20	13.5	41.0	53.0
58mm	85.5	79.40	13.5	41.0	53.0
60mm	88.5	79.40	13.5	41.0	53.0
63mm	85.8	92.10	16.0	49.0	65.0
65mm	93.5	92.10	16.0	49.0	65.0
68mm	96.5	95.25	16.0	49.0	65.0
70mm	99.5	95.25	16.0	49.0	65.0
75mm	107.0	101.60	16.0	52.0	68.0
80mm	112.0	114.30	20.0	56.0	76.0
85mm	120.0	117.50	20.0	56.0	76.0
90mm	127.0	123.85	20.0	59.0	79.0
95mm	132.0	127.00	20.0	59.0	79.0
100mm	137.0	133.35	20.0	62.0	82.0

[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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