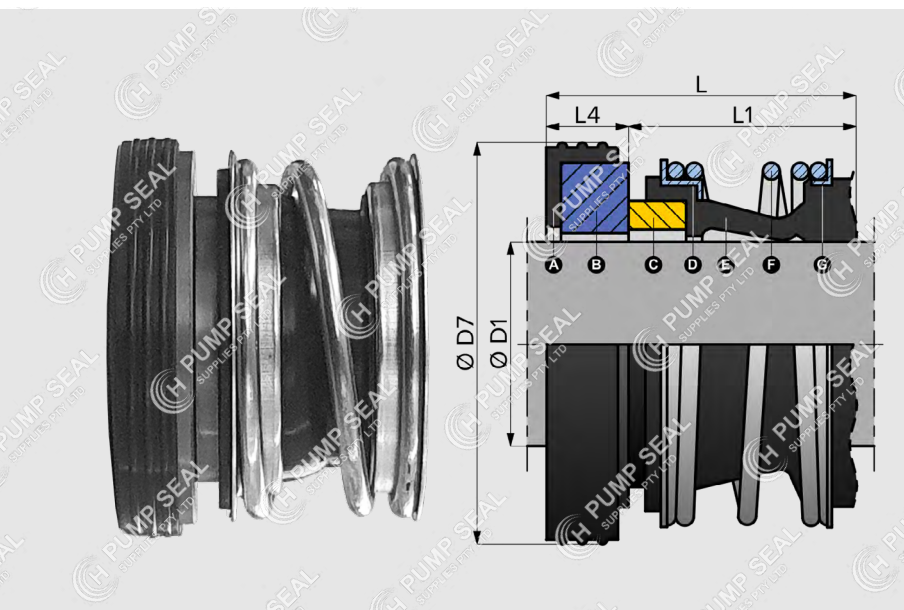




- Rubber Bellows Drive
- Special Lengths / Seat Cavities
- Metric & Imperial Sizes
- Pump-specific Sizes

HGS covers a range of "HG_" style rubber bellows mechanical seals, with fitting lengths and/or stationary sizes outside of DIN EN 12756 specified standards. Sizes are typically pump-specific, contact us for more information.

► Operating conditions¹

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 or SiC
 Stationary Face: SiC
 Elastomer: 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

EQUIVALENT

MG1S_

DIMENSIONS

D1 = Shaft Size

Ver. = Rotary Version

L1 = Rotary W.L.

D7 = Seat Cavity

L4 = Seat Height

L = Overall W.L.

► HGS - Metric Sizes

D1	Ver.	L1	D7	L4	L
14mm	HG1S2	16.0	26.0	5.0	21.0
15mm	HG1	17.0	38.0	6.0	23.0
			25.0	6.8	23.8
			25.0	5.0	22.0
			35.0	4.0	21.0
			24.6	7.0	24.0
19mm	HG1S20	25.0	34.15	10.3	35.3
20mm	HG1S20	25.0	30.9	8.0	33.0
	HG1	21.5	30.9	8.0	29.5
22mm	HG1S5	26.5	37.0	11.0	37.5
	HG3	34.0	37.0	11.0	45.0
25mm	HG1S5	22.5	40.0	6.0	28.5
			40.5	8.5	31.0
			50.0	5.0	27.5
	HG1S6	24.0	50.0	5.0	29.0
28mm	HG1	23.0	38.0	7.5	30.5
	HG1S6	35.5	43.0	14.5	50.0
30mm	HGS	31.5	43.0	7.5	39.0
30mm	HG1S15	24.0	50.8	9.5	33.5
33mm	HG1S3	29.5	48.0	7.5	37.0
35mm	HG1	28.5	52.0	11.0	39.5
38mm	HG1S6	41.5	56.0	13.5	55.0
	HG12S	36.0	56.0	9.0	45.0
40mm	HG1S4	33.5	58.0	11.0	44.5
			58.0	9.0	42.5
45mm	HG1	30.0	65.5	12.0	42.0
48mm	HG1	30.5	67.0	10.0	40.5
	HG12S	36.0	66.0	9.0	45.0
50mm	HG1	30.5	78.0	11.0	41.5
53mm	HG12S	36.5	73.0	11.0	47.5
55mm	HG1	35.0	75.4	13.3	48.3
			76.2	13.5	48.5
			75.7	12.0	47.0
	HG1S	33.5	75.7	12.0	45.5
65mm	HG1S15	39.0	86.0	13.0	52.0
			85.0	11.0	50.0
80mm	HG1	40.0	104.0	15.0	55.0
	HG1S15	36.0	105.0	12.0	48.0
90mm	HG1	45.0	114.0	13.3	58.3
	HG12S	51.0	115.0	14.0	65.0
100mm	HG1S15	46.0	123.3	13.3	59.3

► HGS - Imperial Sizes

D1	Ver.	LS	D7	L4	L
0.625"	HGS	22.5	30.14	10.0	32.5
1.125"	HGS	27.0	44.45	11.0	38.0
1.500"	HGS	28.5	53.98	11.0	39.5
2.000"	HGS	38.0	69.85	12.7	50.7
2.500"	HGS	46.0	85.73	14.3	60.3
3.000"	HGS	52.5	98.43	16.0	68.5

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