

# GENERAL PURPOSE SEAL G1 - G12 - G13 - G1S20



## DESIGN FEATURES

- **Self Aligning**  
Compensates for irregular shaft end play and run-out, seal face wear and equipment tolerances, leading to improved service life.
- **L-Ring Drive**  
The L-Ring Drive reduces stressing in the rubber bellows, eliminating slippage and protecting the shaft and sleeve from wear.
- **Non-Clogging Single Coil Spring**  
Provides greater reliability than multi spring designs, preventing the build-up of solids & decreasing the chances of seal hang-up.

## APPLICATIONS

- Recommended for use in harsh conditions and abrasive media.
- Suitable for almost all Sectors of Industry: e.g. Waste Water Industry, Food & Beverage Industry and Chemical Industry.
- Water Pumps, Sewage Pumps, Oil Circulating Pumps, Submersible Pumps.

## OPERATING CONDITIONS

- **Pressure**  
≤ 12 Bar. (175 psi)
- **Temperature**  
- 40°C ~ 150°C
- **Shaft Speed**  
≤ 13m/sec

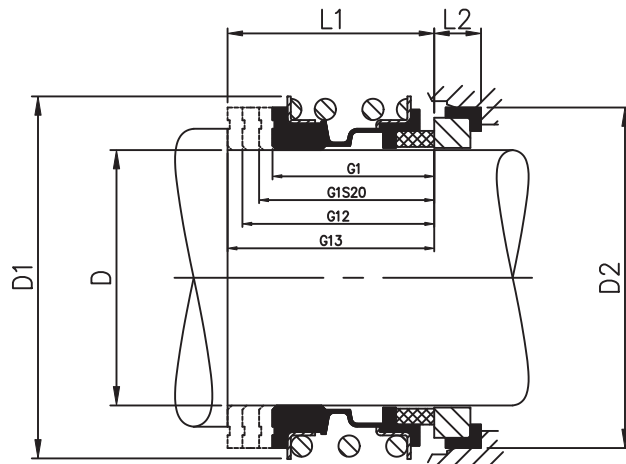
## MATERIAL OPTIONS

- **Retainer/Spring**  
302 SS / 304 SS / 316 SS
- **Rotary Face**  
Carbon & Silicon Carbide
- **Stationary Face**  
316 SS, Ni-Resist & Silicon Carbide
- **Elastomers**  
Viton & Ethylene Propylene (EP)

## SIZE RANGE

- **Metric Shaft Size**  
10mm ~ 100mm





### G1 Dimensions

SHAFT SIZE	D	D1	D2	D3	G1	L1			L2	L3	L4
10mm	10.00	22.5	21.00	19.20	14.5	25.0	25.9	33.4	6.6	6.6	10.0
12mm	12.00	25.0	23.00	21.60	15.0	25.0	25.9	33.4	6.6	5.6	10.0
14mm	14.00	28.5	25.00	24.60	17.0	25.0	28.4	33.4	6.6	5.6	10.0
15mm	15.00	28.5	27.00	24.60	17.0	25.0	28.4	33.4	6.6	6.6	-
16mm	16.00	28.5	27.00	28.00	17.0	25.0	28.4	33.4	6.6	7.5	10.0
17mm	17.00	32.0	33.00	-	19.5	-	-	-	7.5	-	-
18mm	18.00	32.0	33.00	30.00	19.5	25.0	30.0	37.5	7.5	8.0	11.5
19mm	19.00	37.0	35.00	-	21.5	-	-	-	7.5	-	-
20mm	20.00	37.0	35.00	35.00	21.5	25.0	30.0	37.5	7.5	7.5	11.5
22mm	22.00	37.0	37.00	35.00	21.5	25.0	30.0	37.5	7.5	7.5	11.5
24mm	24.00	42.5	39.00	38.00	22.5	25.0	32.5	42.5	7.5	7.5	11.5
25mm	25.00	42.5	40.00	38.00	23.0	25.0	32.5	42.5	7.5	7.5	11.5
28mm	28.00	49.0	43.00	42.00	26.5	33.0	35.0	42.5	7.5	9.0	11.5
30mm	30.00	49.0	45.00	45.00	26.5	33.0	35.0	42.5	7.5	10.5	11.5
32mm	32.00	53.5	48.00	48.00	27.5	33.0	35.0	47.5	7.5	10.5	11.5
33mm	33.00	53.5	48.00	50.00	27.5	33.0	35.0	47.5	7.5	11.0	11.5
35mm	35.00	57.0	50.00	52.00	28.5	33.0	35.0	47.5	7.5	11.0	11.5
38mm	38.00	59.0	56.00	55.00	30.0	33.0	36.0	46.0	9.0	10.3	14.0
40mm	40.00	62.0	58.00	58.00	30.0	33.0	36.0	46.0	9.0	10.8	14.0
43mm	43.00	65.5	61.00	62.00	30.0	41.0	36.0	51.0	9.0	12.0	14.0
45mm	45.00	68.0	63.00	64.00	30.0	41.0	36.0	51.0	9.0	11.6	14.0
48mm	48.00	70.5	66.00	68.40	30.5	41.0	36.0	51.0	9.0	11.6	14.0
50mm	50.00	74.0	70.00	69.30	30.5	41.0	38.0	50.5	9.5	11.6	15.0
53mm	53.00	78.5	73.00	72.30	33.0	41.0	36.5	59.0	11.0	12.3	15.0
55mm	55.00	81.0	75.00	75.40	35.0	41.0	36.5	59.0	11.0	13.3	15.0
58mm	58.00	85.5	78.00	78.40	37.0	41.0	41.5	59.0	11.0	13.3	15.0
60mm	60.00	88.5	80.00	80.40	38.0	41.0	41.5	59.0	11.0	13.3	15.0
65mm	65.00	93.5	85.00	85.40	40.0	49.0	41.5	69.0	11.0	13.0	15.0
68mm	68.00	96.5	90.00	91.50	40.0	49.0	41.2	68.7	11.3	13.7	18.0
70mm	70.00	99.5	92.00	92.00	40.0	49.0	48.7	68.7	11.3	13.0	18.0
75mm	75.00	107.0	97.00	99.00	40.0	52.0	48.7	68.7	11.3	14.0	18.0
80mm	80.00	112.0	105.00	104.00	40.0	56.0	48.0	78.0	12.0	15.0	18.2
85mm	85.00	120.0	110.00	109.00	41.0	56.0	46.0	76.0	14.0	14.8	18.2
90mm	90.00	127.0	115.00	114.00	45.0	59.0	51.0	76.0	14.0	14.8	18.2
95mm	95.00	132.0	120.00	120.30	46.0	59.0	51.0	76.0	14.0	15.8	17.2
100mm	100.00	137.0	125.00	123.30	47.0	62.0	51.0	76.0	14.0	15.8	17.2

### Seat Options

