



MECHANICAL SEAL GS- TYPE – MG1-12-13

d	d3	d6	d7	E	F	I4	H	I3	I31	I32
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
12	25.0	19.0	23.0	17.5	21.6	6.6	5.6	15.0	25.9	33.4
14	28.5	21.0	25.0	20.5	24.6	6.6	5.6	17.0	28.4	33.4
15	28.5	23.0	27.0	20.5	24.6	6.6	6.6	17.0	28.4	33.4
16	28.5	23.0	27.0	22.0	28.0	6.6	7.5	17.0	28.4	33.4
18	32.0	27.0	33.0	24.0	30.0	7.5	8.0	19.5	30.0	37.5
19	37.0	29.0	35.0	29.5	35.0	7.5	7.5	21.5	30.0	37.5
20	37.0	29.0	35.0	29.5	35.0	7.5	7.5	21.5	30.0	37.5
22	37.0	31.0	37.0	29.5	35.0	7.5	7.5	21.5	30.0	37.5
24	42.5	33.0	39.0	32.0	38.0	7.5	7.5	22.5	32.5	42.5
25	42.5	34.0	40.0	32.0	38.0	7.5	7.5	23.0	32.5	42.5
28	49.0	37.0	43.0	36.0	42.0	7.5	9.0	26.5	35.0	42.5
30	49.0	39.0	45.0	39.2	45.0	7.5	10.5	26.5	35.0	42.5
32	53.5	42.0	48.0	42.2	48.0	7.5	10.5	27.5	35.0	47.5
33	53.5	42.0	48.0	44.2	50.0	7.5	11.0	27.5	35.0	47.5
35	57.0	44.0	50.0	46.2	52.0	7.5	11.0	28.5	35.0	47.5
38	59.0	49.0	56.0	49.2	55.0	9.0	10.3	30.0	36.0	46.0
40	62.0	51.0	58.0	52.2	58.0	9.0	10.8	30.0	36.0	46.0
45	68.0	56.0	63.0	55.3	64.0	9.0	11.6	30.0	36.0	51.0
48	70.5	59.0	66.0	59.7	68.4	9.0	11.6	30.5	36.0	51.0
50	47.0	62.0	70.0	60.8	69.3	9.5	11.6	30.5	38.0	50.5
55	81.0	67.0	75.0	66.5	75.4	11.0	13.3	35.0	36.5	59.0
60	88.5	72.0	80.0	71.5	80.4	11.0	13.3	38.0	41.5	59.0
65	93.5	77.0	85.0	76.5	85.4	11.0	13.0	40.0	41.5	59.0
75	107.0	88.0	97.0	90.2	99.0	11.3	14.0	40.0	48.7	68.7

Operating range

- Pressure: $p=0..1.6\text{Mpa} - 243\text{psi}$
- Temperature $t = -30\text{ }^{\circ}\text{C}..180\text{ }^{\circ}\text{C} (-4^{\circ}\text{F to } 302^{\circ}\text{F})$
- Sliding velocity: $V_g \leq 13\text{m/s} - 42.6\text{ft/m}$

Combination Materials

- **Rotary Face**
Carbon graphite resin impregnated Ak
Silicon carbide (RBSiC) O
Hot-Pressing Carbon
- **Stationary Seat**
Aluminium oxide (Ceramic)
Silicon carbide (RBSiC) O
Tungsten carbide
- **Auxiliary Seal**
Nitrile-Butadiene-Rubber (NBR) 105°C
Fluorocarbon-Rubber (Viton) 204°C
Ethylene-Propylene-Diene (EPDM) 150°C
- **Spring**
Stainless Steel (SUS304)
- **Metal Parts**
Stainless Steel (SUS304)

Notes: The range of pressure, temperature and sliding velocity is depend on seals combination materials