

GARLOCK KLOZURE® HIGH PERFORMANCE DYNAMIC SEALS

# PK Mechanical Seal

## Benefits

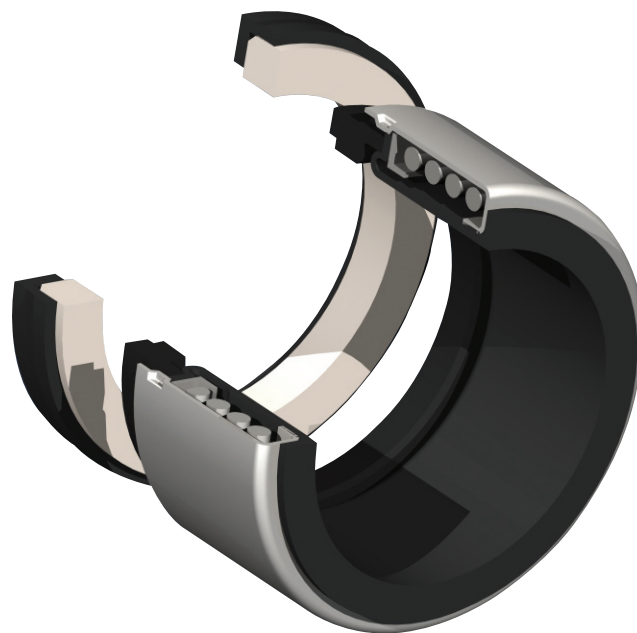
- ▶ Reliable, economical performance
- ▶ Unitized construction means simple installation, no loose parts to inventory
- ▶ Rubber bellows won't wear shaft or sleeve
- ▶ Fits in shallow stuffing boxes
- ▶ Won't clog in dirty environments
- ▶ Flexible rotary face floats to compensate for misalignment

## Applications

- ▶ Centrifugal pumps
- ▶ Gear boxes
- ▶ Speed reducers
- ▶ Other rotating equipment

## Design Parameters

- ▶ Pressure: To 150 psi (10 bar)
- ▶ Vacuum: To 28" (711 mm) Hg
- ▶ Temperature: To +400°F (+204°C)
- ▶ Speed: To 2,500 fpm (12.7 m/s)
- ▶ Runout: Consult KLOZURE
- ▶ Axial motion: Consult KLOZURE



## Materials

- ▶ Metal parts: 316 stainless steel
- ▶ Springs: Stainless steel
- ▶ Bellows: Fluoroelastomer or nitrile
- ▶ Faces: Chemical grade carbon and ceramic; silicon carbide and tungsten carbide optional. (See price list for other options)

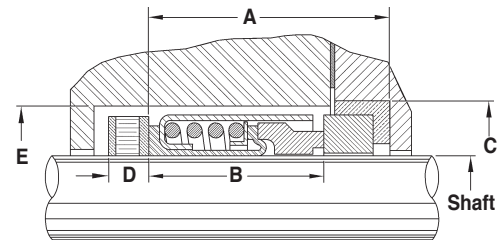
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## Dimensions

Shaft Diameter and Seal Size inches (mm)	A	B	C	D	E
	Complete Seal Operating Length inches (mm)	Rotary Unit Operating Length inches (mm)	Gland Counter Bore inches (mm)	Stop Collar* inches (mm)	Min. Box Diameter inches (mm)
3/8 (9.5)	1-1/4 (31.8)	7/8 (22.2)	1.000 (25.4)	5/16 (7.9)	1 (25.4)
7/16 (11.1)	1-1/4 (31.8)	7/8 (22.2)	1.125 (28.6)	5/16 (7.9)	1-1/16 (27.0)
1/2 (12.7)	1-1/4 (31.8)	7/8 (22.2)	1.125 (28.6)	5/16 (7.9)	1-1/16 (27.0)
9/16 (14.3)	1-1/4 (31.8)	7/8 (22.2)	1.250 (31.8)	5/16 (7.9)	1-1/4 (31.8)
5/8 (15.9)	1-1/4 (31.8)	7/8 (22.2)	1.250 (31.8)	5/16 (7.9)	1-3/16 (33.3)
11/16 (17.5)	1-1/4 (31.8)	7/8 (22.2)	1.375 (34.9)	5/16 (7.9)	1-3/8 (34.9)
3/4 (19.1)	1-1/4 (31.8)	7/8 (22.2)	1.375 (34.9)	5/16 (7.9)	1-3/8 (34.9)
13/16 (20.6)	1-1/4 (31.8)	7/8 (22.2)	1.500 (38.1)	5/16 (7.9)	1-1/2 (38.1)
7/8 (22.2)	1-1/4 (31.8)	7/8 (22.2)	1.500 (38.1)	5/16 (7.9)	1-1/2 (38.1)
15/16 (23.8)	1-3/8 (34.9)	1 (25.4)	1.625 (41.3)	5/16 (7.9)	1-5/8 (41.3)
1 (25.4)	1-3/8 (34.9)	1 (25.4)	1.625 (41.3)	5/16 (7.9)	1-5/8 (41.3)
1-1/16 (27.0)	1-3/8 (34.9)	1 (25.4)	1.750 (44.5)	5/16 (7.9)	1-21/32 (42.1)
1-1/8 (28.6)	1-3/8 (34.9)	1 (25.4)	1.750 (44.5)	5/16 (7.9)	1-21/32 (42.1)
1-3/16 (30.2)	1-9/16 (39.7)	1-3/16 (30.2)	2.000 (50.8)	5/16 (7.9)	1-15/16 (49.2)
1-1/4 (31.8)	1-9/16 (39.7)	1-3/16 (30.2)	2.000 (50.8)	5/16 (7.9)	2 (50.8)
1-5/16 (33.3)	1-9/16 (39.7)	1-3/16 (30.2)	2.125 (54.0)	3/8 (9.5)	2-1/16 (52.4)
1-3/8 (34.9)	1-9/16 (39.7)	1-3/16 (30.2)	2.125 (54.0)	3/8 (9.5)	2-1/8 (54.0)
1-7/16 (36.5)	1-5/8 (41.3)	1-1/4 (31.8)	2.250 (57.2)	3/8 (9.5)	2-3/16 (55.6)
1-1/2 (38.1)	1-5/8 (41.3)	1-1/4 (31.8)	2.250 (57.2)	3/8 (9.5)	2-1/4 (57.2)
1-9/16 (39.7)	1-5/8 (41.3)	1-1/4 (31.8)	2.375 (60.3)	3/8 (9.5)	2-5/16 (58.7)
1-5/8 (41.3)	1-5/8 (41.3)	1-1/4 (31.8)	2.375 (60.3)	3/8 (9.5)	2-3/8 (60.3)
1-11/16 (42.9)	1-5/8 (41.3)	1-1/4 (31.8)	2.500 (63.5)	3/8 (9.5)	2-7/16 (61.9)
1-3/4 (44.5)	1-5/8 (41.3)	1-1/4 (31.8)	2.500 (63.5)	3/8 (9.5)	2-1/2 (63.5)
1-13/16 (46.0)	1-5/8 (41.3)	1-1/4 (31.8)	2.625 (66.7)	3/8 (9.5)	2-9/16 (65.1)
1-7/8 (47.6)	1-5/8 (41.3)	1-1/4 (31.8)	2.625 (66.7)	3/8 (9.5)	2-5/8 (66.7)
1-15/16 (49.2)	1-3/4 (44.5)	1-3/8 (34.9)	2.750 (70.0)	3/8 (9.5)	2-11/16 (68.3)
2 (50.8)	1-3/4 (44.5)	1-3/8 (34.9)	2.750 (70.0)	3/8 (9.5)	2-3/4 (70.0)
2-1/8 (54.0)	1-3/4 (44.5)	1-3/8 (34.9)	2.875 (73.0)	3/8 (9.5)	2-7/8 (73.0)
2-1/4 (57.2)	1-3/4 (44.5)	1-3/8 (34.9)	3.000 (76.2)	3/8 (9.5)	3 (76.2)
2-3/8 (60.3)	1-3/4 (44.5)	1-3/8 (34.9)	3.125 (79.4)	3/8 (9.5)	3-1/8 (79.4)
2-1/2 (63.5)	1-3/4 (44.5)	1-3/8 (34.9)	3.250 (82.6)	3/8 (9.5)	3-1/4 (82.6)
2-5/8 (66.7)	1-7/8 (47.6)	1-1/2 (38.1)	3.375 (85.7)	3/8 (9.5)	3-3/8 (85.7)
2-3/4 (70.0)	1-7/8 (47.6)	1-1/2 (38.1)	3.500 (88.9)	3/8 (9.5)	3-1/2 (88.9)
2-7/8 (73.0)	1-7/8 (47.6)	1-1/2 (38.1)	3.625 (92.1)	3/8 (9.5)	3-5/8 (92.1)
3 (76.2)	1-7/8 (47.6)	1-1/2 (38.1)	3.750 (95.3)	3/8 (9.5)	3-3/4 (95.3)

\* Stop collar sold separately.



ISO 9001:2000  
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FOR MORE INFORMATION,  
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