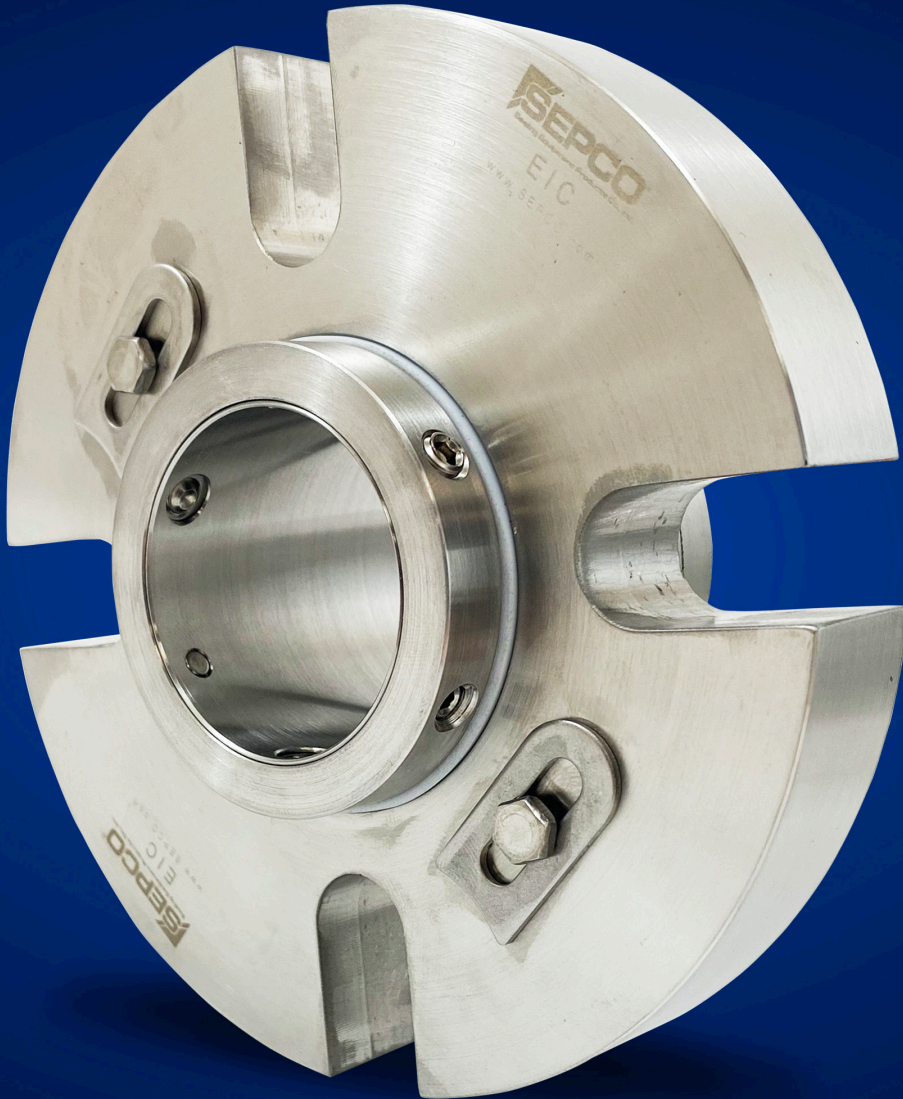


EIC Mechanical Seal

The SEPCO EIC is a single, internal, cartridge-mounted seal. The straight forward design maintains a competitive edge, yet it is rugged and equipped with proven features to provide exceptional reliability and performance. In addition, there are no assembly clips or clearance tabs that must be removed or repositioned so installation is simple and easy compared to most other equivalent single, cartridge-mounted seal designs. The EIC is available with a factory rebuild option.



EIC SPECIFICATIONS

- ✓ Standard Metal Parts: 316SS
- ✓ Standard Face Materials: high quality chemical grade carbon-graphite, silicon carbide, or solid nickel-bound tungsten carbide.
- ✓ Standard Elastomers: Viton, EPR and Aflas. Perfluorinated elastomers available on request.
- ✓ Operating Capabilities:
 - Pressure: To 350 psig (24 bar g)
 - Temperature: -20° to 400° F (-29° to 205° C) Dependent on Materials Selected
 - Peripheral Speed: To 5000 fpm (25 m/s)

Certified to ISO 9001:2015 Standards

This information is based on data that we believe to be reliable. Since conditions of product use are outside of our control, we make no warranties, expressed or implied and assume no liability in connection with any use of this information.
V081720

EIC Mechanical Seal

FEATURES & BENEFITS

- **Easily Maintained** - Reset clips installed on the gland can be used to quickly and easily make on-line equipment adjustments that may be required after installation has been completed.
- **Internally Balanced** - Hydraulic balancing is achieved internally, providing the capability for the seal to operate at higher seal chamber pressures. This feature also allows for the seal to load lighter, which reduces heat and wear, extends seal performance and reduces power consumption.
- **Compact & Versatile** - The small cross-section and short internal and external length allow for installation on equipment with small and shallow seal chambers as well as limited first obstruction space without requiring expensive equipment modifications. The slotted gland provides versatility for fitting ANSI pumps equipped with either a standard stuffing box or an oversized seal chamber. The glands are also machined for added strength and better corrosion resistance and are equipped with an easily accessible flush connection.
- **Secondary Seal Benefits**- The O-ring that seals between the ID of the seal sleeve and the OD of the equipment shaft/sleeve is static, eliminating fretting and wear. In addition, the dynamic O-ring is designed to move toward a clean surface as the faces wear preventing separation of the parallel sealing gap.
- **Isolated Multiple Springs** - Provides even mechanical load for cooler operation. Springs are isolated to prevent clogging from solids in the process fluid.
- **Positive Set Screw Drive** - The set screws that lock the seal to the shaft/sleeve are hardened and designed to eliminate slipping while maintaining the designed axial setting during high-torque conditions and when installed on hardened shaft/sleeve materials.

EIC Mechanical Seal

DIMENSIONAL DATA

Size Code	Shaft Size (A)	Stuffing Box Bore (B)		Internal Length (C)	External Length (D)	Min. Depth (E)	Gland Bolt Circle (F)			
		Min.	Max.				3/8 Stud Min.	Gland OD Max. BC	1/2 Stud Min.	Slot Size
16	1	1.625	1.750	.92	1.26	.98	2-19/32	4	2-23/32	9/16
18	1-1/8	1.750	1.875	.92	1.26	.98	2-23/32	4	2-27/32	9/16
20	1-1/4	1.875	2.000	.92	1.26	.98	2-27/32	4	2-31/32	9/16
22	1-3/8	2.000	2.125	.92	1.26	.98	2-31/32	4	3-3/32	9/16
24	1-1/2	2.250	2.500	.95	1.39	1.01	3-11/32	5	3-15/32	5/8
26	1-5/8	2.375	2.625	.95	1.39	1.01	3-15/32	5	3-19/32	5/8
28	1-3/4	2.500	2.750	.95	1.39	1.01	3-19/32	5-1/2	3-23/32	5/8
30	1-7/8	2.625	2.875	.95	1.39	1.01	3-23/32	5-1/2	3-27/32	5/8
32	2	2.750	3.000	.95	1.39	1.01	3-27/32	6	3-31/32	5/8
34	2-1/8	2.875	3.125	.95	1.39	1.01	3-31/32	6	4-3/32	3/4
36	2-1/4	3.000	3.375	.95	1.39	1.01	4-3/32	6-1/4	4-7/32	3/4
38	2-3/8	3.125	3.500	.95	1.39	1.01	4-7/32	6-1/4	4-11/32	3/4
40	2-1/2	3.250	3.625	.95	1.39	1.01	4-11/32	6-1/2	4-15/32	3/4
42	2-5/8	3.625	4.125	.95	2.13	1.01	5	6-1/2	5-1/8	3/4
44	2-3/4	3.750	4.250	.95	2.13	1.01	5-1/8	7	5-1/4	3/4
46	2-7/8	3.875	4.375	.95	2.13	1.01	5-1/4	7	5-3/8	3/4
48	3	4.000	4.500	.95	2.13	1.01	5-1/4	8	5-3/8	7/8
50	3-1/8	4.125	4.625	.95	2.13	1.01	5-3/8	8	5-1/2	7/8
52	3-1/4	4.250	4.750	.95	2.13	1.01	5-1/2	8	5-5/8	7/8
54	3-3/8	4.375	4.875	.95	2.13	1.01	5-5/8	8	5-3/4	7/8
56	3-1/2	4.500	5.000	.95	2.13	1.01	5-3/4	8-1/2	5-7/8	7/8
58	3-5/8	4.625	5.125	.95	2.13	1.01	5-7/8	8-1/2	6	7/8
60	3-3/4	4.750	5.250	.95	2.13	1.01	6	8-1/2	6-1/8	7/8
62	3-7/8	4.875	5.375	.95	2.13	1.01	6-1/8	8-1/2	6-1/4	7/8
64	4	5.000	5.500	.95	2.13	1.01	6-1/4	9	6-3/8	7/8
68	4-1/4	5.250	6.125	.95	2.13	1.01	7	9-1/2	7-1/8	7/8
72	4-1/2	5.500	6.375	.95	2.13	1.01	7-3/16	10	7-5/16	7/8
76	4-3/4	5.750	6.625	.95	2.13	1.01	7-5/8	10-1/2	7-3/4	1
80	5	6.250	7.375	.95	2.13	1.01	8-3/16	10-1/2	8-5/16	1

