

KLOZURE® DYNAMIC SEALS

Bearing Isolator Family

The Best Alternative to Radial Lip Seals

Over 90% of bearing failures are caused by contamination.

Replacing a lip seal with a KLOZURE® Bearing Isolator will extend equipment life and add profit to your bottom line. Conventional lip seals fail to exclude water and other contaminants from entering into the lubricant. Lip seals also have an unpredictable life, generate frictional heat, score the shaft surface, and cause increased energy consumption due to the frictional drag on the shaft.

KLOZURE® Bearing Isolators feature:

- ▶ Metallic and non-metallic design
- ▶ Non-contacting seals
- ▶ No wear on shaft, bore or bronze components
- ▶ Unitized design
- ▶ Easy installation – no arbor press required
- ▶ Standard fluoroelastomer O-rings
- ▶ Reusable
- ▶ No debris generation




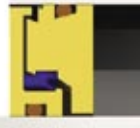




Typical Applications:

- ▶ Pump bearing frames
- ▶ Electric motors
- ▶ Gear boxes
- ▶ Split pillow block bearings
- ▶ Fans



EQUALIZER® Bearing Isolator, ISO-GARD® Bearing Isolator, GUARDIAN™ Metallic Bearing Isolator




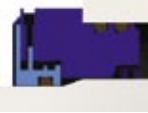
GUARDIAN™ Metallic Bearing Isolator

GUARDIAN™	Features	Material	Temperature	Surface Speed	Axial Motion	Misalignment & Runout	Pressure
Standard Design 29602 	<ul style="list-style-type: none"> No internal metal-to-metal contact Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards 	<ul style="list-style-type: none"> Bronze* Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	12,000 fpm (60.9 m/s)	± 0.025" (0.64mm)	± 0.020" (0.51mm)	Ambient
Small Cross Section 29607 	<ul style="list-style-type: none"> No internal metal-to-metal contact Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Fits in c/s as small as 0.188" (4.76mm) 	<ul style="list-style-type: none"> Bronze* Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	12,000 fpm (60.9 m/s)	± 0.015" (0.38mm)	± 0.010" (0.25mm)	Ambient
Flangeless 29619 	<ul style="list-style-type: none"> No internal metal-to-metal contact Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Does not extend past face of housing 	<ul style="list-style-type: none"> Bronze* Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	12,000 fpm (60.9 m/s)	± 0.025" (0.64mm)	± 0.020" (0.51mm)	Ambient
Narrow Width 29609 	<ul style="list-style-type: none"> No internal metal-to-metal contact Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Fits in spaces as narrow as 0.325" (8.25mm) 	<ul style="list-style-type: none"> Bronze* Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	12,000 fpm (60.9 m/s)	± 0.015" (0.38mm)	± 0.010" (0.25mm)	Ambient
Split Pillow Block 29616 	<ul style="list-style-type: none"> No internal metal-to-metal contact Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Standard and custom design for split pillow blocks 	<ul style="list-style-type: none"> Bronze* Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	12,000 fpm (60.9 m/s)	± 0.025" (0.64mm)	± 0.020" (0.51mm)	Ambient
Vertical 29620  29621 	<ul style="list-style-type: none"> No internal metal-to-metal contact Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Vertical for top applications only 	<ul style="list-style-type: none"> Bronze* Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	12,000 fpm (60.9 m/s)	± 0.025" (0.64mm)	± 0.020" (0.51mm)	Ambient
Step Shaft 29697 	<ul style="list-style-type: none"> No internal metal-to-metal contact Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Custom designed for individual application 	<ul style="list-style-type: none"> Bronze* Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	12,000 fpm (60.9 m/s)	± 0.025" (0.64mm)	± 0.020" (0.51mm)	Ambient

* Other materials available. Please consult KLOZURE Dynamic Seals.

Special designs available upon request.

ISO-GARD® Bearing Isolator

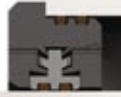


ISO-GARD®	Features	Material	Temperature	Surface Speed	Axial Motion	Misalignment & Runout	Pressure
Standard Design 29502 	<ul style="list-style-type: none"> Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards 	<ul style="list-style-type: none"> FDA-compliant, blue glass-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.020" (0.51mm)	Ambient
Small Cross Section 29507 	<ul style="list-style-type: none"> Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Fits in c/s as small as 0.188" (4.76mm) 	<ul style="list-style-type: none"> FDA-compliant, blue glass-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.020" (0.25mm)	Ambient
Flangeless 29519 	<ul style="list-style-type: none"> Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Does not extend past face of housing 	<ul style="list-style-type: none"> FDA-compliant, blue glass-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.020" (0.25mm)	Ambient
Split Pillow Block 29516 	<ul style="list-style-type: none"> Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Standard and custom design for split pillow blocks 	<ul style="list-style-type: none"> FDA-compliant, blue glass-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.020" (0.25mm)	Ambient
Grease Purge 29518 	<ul style="list-style-type: none"> Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Allows for degreasing without disassembly of equipment 	<ul style="list-style-type: none"> FDA-compliant, blue glass-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.020" (0.25mm)	5 psi max. (0.3 bar)
Vertical 29520  29521 	<ul style="list-style-type: none"> Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Vertical for top applications only 	<ul style="list-style-type: none"> FDA-compliant, blue glass-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.020" (0.25mm)	Ambient
Step Shaft 29597 	<ul style="list-style-type: none"> Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Custom designed for individual application 	<ul style="list-style-type: none"> FDA-compliant, blue glass-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.020" (0.25mm)	Ambient

* Other materials available. Please consult KLOZURE Dynamic Seals.

Special designs available upon request.

KLOZURE® DYNAMIC SEALS

EQUALIZER® Bearing Isolator

EQUALIZER®	Features	Material	Temperature	Surface Speed	Axial Motion	Misalignment & Runout	Pressure
Standard Design 24802 	<ul style="list-style-type: none"> Multi-position capability Unique pumping/fanning action Excellent chemical resistance 	<ul style="list-style-type: none"> Graphite-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.015" (0.38mm)	Ambient
Small Cross Section 24807 	<ul style="list-style-type: none"> Multi-position capability Unique pumping/fanning action Excellent chemical resistance Fits in c/s as small as 0.188" (4.76mm) 	<ul style="list-style-type: none"> Graphite-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.015" (0.38mm)	Ambient
Flangeless 24801 	<ul style="list-style-type: none"> Multi-position capability Unique pumping/fanning action Excellent chemical resistance Does not extend past face of housing 	<ul style="list-style-type: none"> Graphite-filled PTFE* Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	4,500 fpm (22.9 m/s)	± 0.015" (0.38mm)	± 0.015" (0.38mm)	Ambient

* Other materials available. Please consult KLOZURE Dynamic Seals. Special designs available upon request.

A U T H O R I Z E D D I S T R I B U T O R

WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury. Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing.

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KLOZURE® Dynamic Seals

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Bring KLOZURE® to all your sealing requirements

