








Bearing Isolators PRODUCT INFORMATION

GUARDIAN™ Model Number	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Axial Motion in. (mm)	Misalign. & Runout in. @ f/m (mm@m/s)	Pressure
Standard, Small Flanged 	<ul style="list-style-type: none"> Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact Small O.D. of flange does not interfere with equipment 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Filled PTFE unitizing ring Fluoroelastomer 	-30°F (-34°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	12,000 f/m (60.9 m/s)	±0.025 (0.64)	±0.020 (0.51)	Ambient
Small Cross Section, Short Flange 	<ul style="list-style-type: none"> Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact Fits in c/s as small as 0.188" (4.76mm) Short flange width does not interfere with equipment 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 5.500 (22.2 to 139.7)	12,000 f/m (60.9 m/s)	±0.015 (0.38)	±0.010 (0.25)	Ambient
Flangeless Narrow Width 	<ul style="list-style-type: none"> Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation No internal metal-to-metal contact Flangeless design fits in spaces as narrow as 0.375" (9.53mm) 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 5.500 (22.2 to 139.7)	12,000 f/m (60.9 m/s)	±0.015 (0.38)	±0.010 (0.25)	Ambient
Flangeless 	<ul style="list-style-type: none"> Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact Does not extend past face of housing 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	12,000 f/m (60.9 m/s)	±0.025 (0.64)	±0.020 (0.51)	Ambient
Split Pillow Block 	<ul style="list-style-type: none"> Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact Standard and custom design for split pillow blocks 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	12,000 fpm (60.9 m/s)	±0.025 (0.64)	±0.020 (0.51)	Ambient
Step Shaft 	<ul style="list-style-type: none"> Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact Custom designed for individual step shaft applications 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	12,000 f/m (60.9 m/s)	±0.025 (0.64)	±0.020 (0.51)	Ambient
Vertical, Small Cross Section 	<ul style="list-style-type: none"> Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact Fits in c/s as small as 0.188 in. (4.76mm) Vertical design for top applications only 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Filled PTFE unitizing ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	12,000 f/m (60.9 m/s)	±0.025 (0.64)	±0.020 (0.51)	Ambient

MICRO-TEC® II Model Number	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Axial Motion in. (mm)	Misalign. & Runout in. @ f/m (mm@m/s)	Pressure
Standard 	<ul style="list-style-type: none"> Unique microcellular technology Protects against severely dusty environments Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact 	<ul style="list-style-type: none"> Bronze or 316 stainless steel construction Silicone foam Filled PTFE Unitizing Ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	4,500 f/m (22.9 m/s)	±0.025 (0.64)	±0.020 (0.51)	Ambient
Flangeless 	<ul style="list-style-type: none"> Unique microcellular technology Protects against severely dusty environments Meets NEMA MG 1-2003 Surpasses IEEE 841-2001 test standards Conforms to API 610 No arbor press required for installation No internal metal-to-metal contact Does not extend past face of housing 	<ul style="list-style-type: none"> Bronze construction Silicone foam Filled PTFE Unitizing Ring Fluoroelastomer O-rings standard 	-30°F (-34°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	4,500 f/m (22.9 m/s)	±0.025 (0.38)	±0.020 (0.51)	Ambient
ISO-GARD® Model Number	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Axial Motion in. (mm)	Misalign. & Runout in. @ f/m (mm@m/s)	Pressure
Standard 	<ul style="list-style-type: none"> Filled PTFE construction Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation 	<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)	0.875 to 11.000 (22.2 to 279.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.020 (0.51)	Ambient
Small C/S 	<ul style="list-style-type: none"> Filled PTFE construction Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation 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)	0.875 to 11.000 (22.2 to 279.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.020 (0.51)	Ambient
Flangeless 	<ul style="list-style-type: none"> Filled PTFE construction Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation 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)	0.875 to 11.000 (22.2 to 279.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.020 (0.51)	Ambient
Grease Purgeable 	<ul style="list-style-type: none"> Filled PTFE construction Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation Relief in seal allows regreasing with no 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)	0.875 to 10.875 (22.2 to 276.2)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.020 (0.51)	5 psi
Split Pillow Block 	<ul style="list-style-type: none"> Filled PTFE construction Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation 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)	0.875 to 11.000 (22.2 to 279.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.020 (0.51)	Ambient

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ISO-GARD® Model Number	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Axial Motion in. (mm)	Misalign. & Runout in. @ f/m (mm@m/s)	Pressure
Step Shaft 	<ul style="list-style-type: none"> Filled PTFE construction Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation Custom designed for individual stepshaft applications 	<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)	0.875 to 11.000 (22.2 to 279.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.020 (0.51)	Ambient
Vertical 	<ul style="list-style-type: none"> Filled PTFE construction Excellent chemical resistance Meets NEMA MG 1-2003 Meets IEEE 841-2001 test standards No arbor press required for installation Two O.D. O-Rings for increased retention in the bore Vertical design 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)	0.875 to 11.000 (22.2 to 279.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.020 (0.51)	Ambient
EQUALIZER® Model Number	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Axial Motion in. (mm)	Misalign. & Runout in. @ f/m (mm@m/s)	Pressure
Standard 	<ul style="list-style-type: none"> Excellent chemical resistance Multi-position capability No arbor press required for installation Unique pumping/fanning action 	<ul style="list-style-type: none"> Graphite-filled PTFE Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	0.875 to 6.000 (22.2 to 152.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.015 (0.38)	Ambient
Standard C/S 	<ul style="list-style-type: none"> Excellent chemical resistance Multi-position capability No arbor press required for installation Unique pumping/fanning action Designed to fit small c/s with no equipment modification 	<ul style="list-style-type: none"> Graphite-filled PTFE Fluoroelastomer O-rings standard 	-40°F (-40°C) to 400°F (204°C)	0.875 to 10.500 (22.2 to 266.7)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.015 (0.38)	Ambient
Flangeless 	<ul style="list-style-type: none"> Excellent chemical resistance Multi-position capability No arbor press required for installation Unique pumping/fanning action 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)	0.875 to 6.000 (22.2 to 152.4)	4,500 f/m (22.9 m/s)	±0.015 (0.38)	±0.015 (0.38)	Ambient

For larger shaft diameters, please contact Garlock Klozure®.