

KLOZURE OIL SEALS &amp; BEARING ISOLATORS

# GUARDIAN™ Metallic Bearing Isolator

## The Metallic Isolator that can be installed on site...

- ▶ Noncontacting seal
- ▶ No wear on shaft or bronze components
- ▶ No internal metal to metal contact
- ▶ One piece unitized design
- ▶ Easy installation – No arbor press required
- ▶ Surpasses IEEE 841-2001 Test Standards

## Design Parameters

- ▶ Temperature: -30°F (-34°C) to 400°F (204°C)
- ▶ Maximum shaft-to-bore misalignment to  $\pm 0.020$ " (0.51mm)
- ▶ Axial motion is  $\pm 0.025$ " (0.64mm)
- ▶ Maximum surface speed 12,000 fpm (61 m/s)
- ▶ No internal o-rings



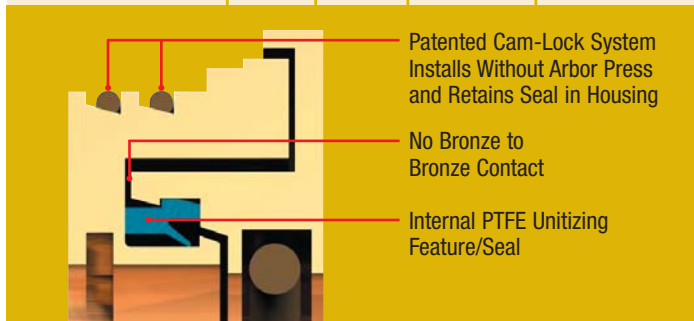
Patents Pending

**klozure**  
A DIVISION OF GARLOCK

KLOZURE OIL SEALS & BEARING ISOLATORS  
**GUARDIAN™ Metallic Bearing Isolator**

**Bearing Isolator Testing**

	IEEE Dust	IEEE Water	Durability	Hand Installable
<b>GUARDIAN™</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Yes</b>
<b>Competitor "A"</b>	<b>Fail</b>	<b>Fail</b>	<b>T.B.D.</b>	<b>Yes</b>
<b>Competitor "B"</b>	<b>Pass</b>	<b>Pass</b>	<b>T.B.D.</b>	<b>No</b>
<b>ISO-GARD®</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Yes</b>



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.

While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice.

GARLOCK is a registered trademark for packings, seals, gaskets, and other products of Garlock.

© Garlock 2003. All rights reserved worldwide.



**ISO 9002-94  
 Cert. #001762**

**Klozure Oil Seals & Bearing Isolators**

A Division of Garlock Sealing Technologies  
 1666 Division Street  
 Palmyra, New York 14522 USA  
 1.866.556.9873  
 Fax: 1.866.645.7325

Visit Klozure:  
[www.klozure.com](http://www.klozure.com)

**Other Garlock brand facilities are located in:**

- |                                |                |                      |
|--------------------------------|----------------|----------------------|
| <b>Columbia, SC, USA</b>       | 1-803-783-1880 | Fax: 1-803-783-4279  |
| <b>Houston, TX, USA</b>        | 1-281-459-7200 | Fax: 1-281-458-0502  |
| <b>Sydney, Australia</b>       | 61-2-9793-2511 | Fax: 61-2-9793-2544  |
| <b>São Paulo, Brazil</b>       | 55-11-884-9680 | Fax: 55-11-884-9680  |
| <b>Brantford, Canada</b>       | 1-519-753-8671 | Fax: 1-519-758-2265  |
| <b>Sherbrooke, Canada</b>      | 1-819-563-8080 | Fax: 1-819-563-5620  |
| <b>Jebel Ali, Dubai</b>        | 971-4-8833652  | Fax: 971-4-8833682   |
| <b>West Yorkshire, England</b> | 44-1422-313600 | Fax: 44-1422-313601  |
| <b>Saint-Étienne, France</b>   | 33-4-7743-5100 | Fax: 33-4-7743-5151  |
| <b>Neuss, Germany</b>          | 49-2131-3490   | Fax: 49-2131-349-222 |
| <b>Mexico City, Mexico</b>     | 52555-567-7011 | Fax: 52555-368-0418  |
| <b>Singapore</b>               | 65-6285-9322   | Fax: 65-6284-5843    |

PRINTED IN U.S.A.

KLZ 2:62    GPS-04/03



Bring KLOZURE to all your sealing requirements

