

KLOZURE® OIL SEALS &amp; BEARING ISOLATORS

**GUARDIAN™ for Electric Motors****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: ±0.020" (0.51mm)
- ▶ Axial motion: ±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™ for Electric Motors**

**Ordering Information**

**Electric Motor Frames Sizes**

Frame Size	Seal Size (inches)	GUARDIAN™ Part No.
130	1.312 x 2.000 x 0.625	29607-1146
182	0.875 x 1.875 x 0.750	29602-4267
182T	1.125 x 2.125 x 0.750	29602-4139
184	0.875 x 1.875 x 0.750	29602-4267
184T	1.125 x 2.125 x 0.750	29602-4139
210	1.375 x 2.375 x 0.750	29602-4141
213	1.125 x 2.125 x 0.750	29602-4139
213T	1.375 x 2.375 x 0.750	29602-4141
215	1.125 x 2.125 x 0.750	29602-4139
215T	1.375 x 2.375 x 0.750	29602-4141
250	1.766 x 2.750 x 0.750	29602-4350
254U	1.375 x 2.375 x 0.750	29602-4141
254T	1.625 x 2.625 x 0.750	29602-4144
256U	1.375 x 2.375 x 0.750	29602-4141
256T	1.625 x 2.625 x 0.750	29602-4144
280	1.900 x 3.500 x 0.750	29602-4356
284U	1.625 x 2.625 x 0.750	29602-4144
284T	1.875 x 2.875 x 0.750	29602-3585
284TS	1.625 x 2.625 x 0.750	29602-4144
286U	1.625 x 2.625 x 0.750	29602-4144
286T	1.875 x 2.875 x 0.750	29602-3585
286TS	1.625 x 2.625 x 0.750	29602-4144
320	2.355 x 3.870 x 0.750	29602-4351
324U	1.875 x 2.875 x 0.750	29602-3585
324S	1.625 x 2.625 x 0.750	29602-4144
324T	2.125 x 3.125 x 0.750	29602-4146
324TS	1.875 x 2.875 x 0.750	29602-3585
326U	1.875 x 2.875 x 0.750	29602-3585
326S	1.625 x 2.625 x 0.750	29602-4144

Frame Size	Seal Size (inches)	GUARDIAN™ Part No.
326T	2.125 x 3.125 x 0.750	29602-4146
326TS	1.875 x 2.875 x 0.750	29602-3585
360	2.500 x 4.375 x 0.750	29602-4353
364S	1.625 x 2.625 x 0.750	29602-4144
364U	2.125 x 3.125 x 0.750	29602-4146
364US	1.875 x 2.875 x 0.750	29602-3585
364T	2.375 x 3.375 x 0.750	29602-4149
364TS	1.875 x 2.875 x 0.750	29602-3585
365S	1.625 x 2.625 x 0.750	29602-4144
365U	2.125 x 3.125 x 0.750	29602-4146
365US	1.875 x 2.875 x 0.750	29602-3585
365T	2.375 x 3.375 x 0.750	29602-4149
365TS	1.875 x 2.875 x 0.750	29602-3585
404S	1.875 x 2.875 x 0.750	29602-3585
404U	2.375 x 3.375 x 0.750	29602-4149
404US	2.125 x 3.125 x 0.750	29602-4146
404T	2.875 x 3.875 x 0.750	29602-4153
404TS	2.125 x 3.125 x 0.750	29602-4146
405S	1.875 x 2.875 x 0.750	29602-3585
405U	2.375 x 3.375 x 0.750	29602-4149
405US	2.125 x 3.125 x 0.750	29602-4146
405T	2.875 x 3.875 x 0.750	29602-4153
405TS	2.125 x 3.125 x 0.750	29602-4146
324T	2.125 x 3.125 x 0.750	29602-4146
324TS	1.875 x 2.875 x 0.750	29602-3585
326U	1.875 x 2.875 x 0.750	29602-3585
326S	1.625 x 2.625 x 0.750	29602-4144
326T	2.125 x 3.125 x 0.750	29602-4146
326TS	1.875 x 2.875 x 0.750	29602-3585

Frame Size	Seal Size (inches)	GUARDIAN™ Part No.
360	2.500 x 4.375 x 0.750	29602-4353
364S	1.625 x 2.625 x 0.750	29602-4144
364U	2.125 x 3.125 x 0.750	29602-4146
364US	1.875 x 2.875 x 0.750	29602-3585
364T	2.375 x 3.375 x 0.750	29602-4149
364TS	1.875 x 2.875 x 0.750	29602-3585
365S	1.625 x 2.625 x 0.750	29602-4144
365U	2.125 x 3.125 x 0.750	29602-4146
365US	1.875 x 2.875 x 0.750	29602-3585
365T	2.375 x 3.375 x 0.750	29602-4149
365TS	1.875 x 2.875 x 0.750	29602-3585
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FOR MORE INFORMATION CONTACT YOUR CUSTOMER SATISFACTION SPECIALIST

1.866.KLOZURE (1.866.556.9873)  
 FAX 1.866.OILSEAL (1.866.645.7325)

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

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**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
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Bring KLOZURE® to all your sealing requirements

