ACTUATORS FOR ACTIVE SECURITY BARRIERS

STANDARD & CUSTOM ACTUATORS
Electric Actuator Solutions for Anti-Ram Vehicle Barriers

Tolomatic electric actuators have been deployed successfully in certified DOS K-12 L1 and ASTM M50 P1 active anti-ram vehicle barrier systems.

**ERD Low Cost Electric Actuator with All 300 Series Stainless Steel Construction**

**RSA Rod-Style Electric Actuator Features Anti-Rotate and Flexible Motor Mounting Capability.**

**Tolomatic’s Electric Rod-Style Actuators**

<table>
<thead>
<tr>
<th>Thrust up to:</th>
<th>ERD</th>
<th>500 lbf [2,224 N]</th>
<th>IMA</th>
<th>6,875 lbf [30,594 N]</th>
<th>RSA</th>
<th>7,350 lbf [32,695 N]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed up to:</td>
<td>ERD</td>
<td>40 in/sec* [1,016 mm/sec]</td>
<td>IMA</td>
<td>52.5 in/sec [1,334 mm/sec]</td>
<td>RSA</td>
<td>123 in/sec [3,124 mm/sec]</td>
</tr>
<tr>
<td>Stroke Length up to:</td>
<td>ERD</td>
<td>24 in [609 mm]</td>
<td>IMA</td>
<td>18 in [457 mm]</td>
<td>RSA</td>
<td>60 in [1,524 mm]</td>
</tr>
<tr>
<td>Screw/Nut Type</td>
<td>ERD</td>
<td>Solid &amp; Ball</td>
<td>IMA</td>
<td>Ball &amp; Roller</td>
<td>RSA</td>
<td>Solid, Ball &amp; Roller</td>
</tr>
<tr>
<td>Literature Number:</td>
<td>ERD</td>
<td>2190-4000</td>
<td>IMA</td>
<td>2700-4000</td>
<td>RSA</td>
<td>3600-4609</td>
</tr>
</tbody>
</table>

*Faster speeds longer strokes available upon request, lead time may vary from standard 15 day delivery, contact Tolomatic*

**Additional Features, Customization & Testing**

- Patented re-lubrication system with High / low temperature grease available
- Ingress protection rating of IP65, 67 & 69K available
- White epoxy paint & stainless steel for use in coastal regions (salt/fog protection)
- Optional manual override design
- Compact, lightweight designs
- Shock, vibration, temperature & humidity tested
Electric Actuator Solutions for Anti-Ram Vehicle Barriers

REPLACING HYDRAULIC CYLINDERS WITH LONG LASTING ELECTRIC ACTUATORS PROVIDES:

- Cleaner, more efficient operation
- Eliminates costly, messy leaks that contaminate the environment
- Eliminates hydraulic power unit and many associated hydraulic components
- No warm up period in cold temperatures
- Precise position, speed, acceleration & force control
- Improved accuracy & repeatability

APPLICATIONS

Deployed in DOS K-12 L1 and ASTM M50 P1 anti-ram vehicle barrier systems. This is a 15,000 lb (6,800 kg) vehicle traveling at 50 mph (80 kph) that doesn’t penetrate barrier more than 3 ft (1 m).

Above photo & cover photos used with permission from Avon Barrier Company, www.avon-barrier.co.uk
Tolomatic actuators are not currently installed in barriers shown in these photographs.
THE TOLOMATIC DIFFERENCE  What you expect from the industry leader:

EXEMPLARY CUSTOMER SERVICE & TECHNICAL SUPPORT  
Our people make the difference! Expect prompt, courteous replies to all of your application and product questions.

INDUSTRY LEADING DELIVERIES  
Tolomatic continues to offer the fastest delivery of standard catalog products. Modified and custom products ship weeks ahead of the competition.

INNOVATIVE PRODUCTS  
From standard catalog products... to modified products... to completely unique custom products, Tolomatic designs and builds the best solutions for your challenging applications.

ONLINE SIZING & SELECTION SOFTWARE  
Online sizing that is easy to use, accurate and always up-to-date. Input your application data and the software will determine a Tolomatic electric actuator to meet your requirements.

3D MODELS & 2D DRAWINGS AVAILABLE ON THE WEB  
Easy to access CAD files are available in many popular formats.

ALSO CONSIDER THESE OTHER TOLOMATIC PRODUCTS:

- PNEUMATIC PRODUCTS

- ELECTRIC PRODUCTS

- POWER TRANSMISSION PRODUCTS

All brand and product names are trademarks or registered trademarks of their respective owners. Information in this document is believed accurate at time of printing. However, Tolomatic assumes no responsibility for its use or for any errors that may appear in this document. Tolomatic reserves the right to change the design or operation of the equipment described herein and any associated motion products without notice. Information in this document is subject to change without notice. Visit www.tolomatic.com for the most up-to-date technical information.