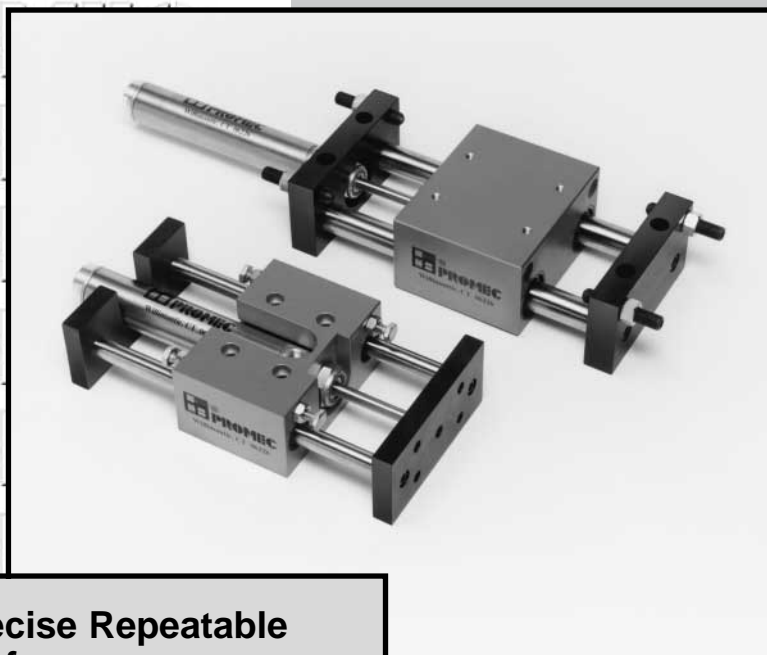


LINEAR MOTION SLIDERS & THRUSTERS

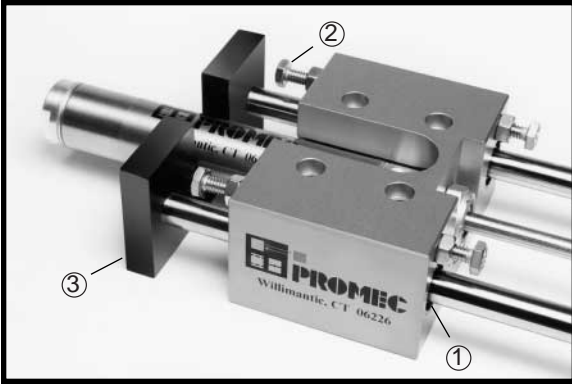
Handbook for Designers



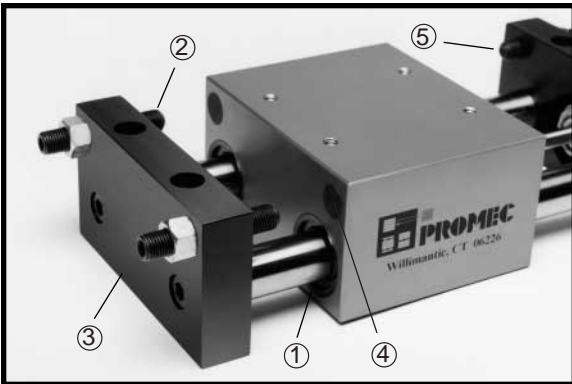
- **Precise Repeatable Performance**
- **Built to Last**
- **Low Cost**
- **Easy to Select**



Get the PROMEC Advantage



- ① Permanently lubricated linear ball bearings
- ② Precision adjusted hard stops can't slip
- ③ Steel end plates are more durable than typically used aluminum



- ④ Hardened steel stop buttons for precision and repeatability
- ⑤ Four hard stop points rather than standard two

PROMEC sliders and thrusters have been developed by Windham Automated Machines, Inc., based on what they have learned by designing and building custom machines since 1984. Every project that Windham Automated Machines has completed has involved the design, implementation and use of custom-designed sliders and thrusters. WAM found that many features offered by standard slider manufacturers are not needed and actually result in added costs and confusion for the purchaser/end user. Many common selection methods cause errors and delays in the purchasing process. PROMEC sliders and thrusters provide multiple advantages that eliminate the risks normally involved in choosing such components.

ADVANTAGE: Easy selection and ordering, assuring the correct unit for the application



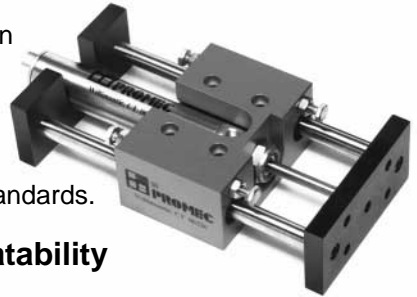
- Basic unit has all of the normally-needed “options.” No need to go through a lengthy list of confusing options that may not be necessary and just add to cost.
- Clear, understandable drawings and part numbering system make selection quick and simple.
- Factory-direct ordering and shipping system. On-time delivery with no middleman to confuse part numbers or delay shipments.

ADVANTAGE: Low cost

- Manufactured and sold with all the necessary features built in.
- No middleman markup.

ADVANTAGE: Highest quality and durability

- All units use linear ball bearings rather than “composite” bearings that other manufacturers use to cut their own costs.
- Standard steel end plates for increased stability, strength and precision stopping.
- Made in America to American industrial standards.



ADVANTAGE: Precision and repeatability

- Precisely-adjustable hard stops are standard.
- Hard stops are locked into position and will not slip or move over repeated cycles.
- Four hard stops provide absolute stability and repeatability in the stopped position.



PROMEC

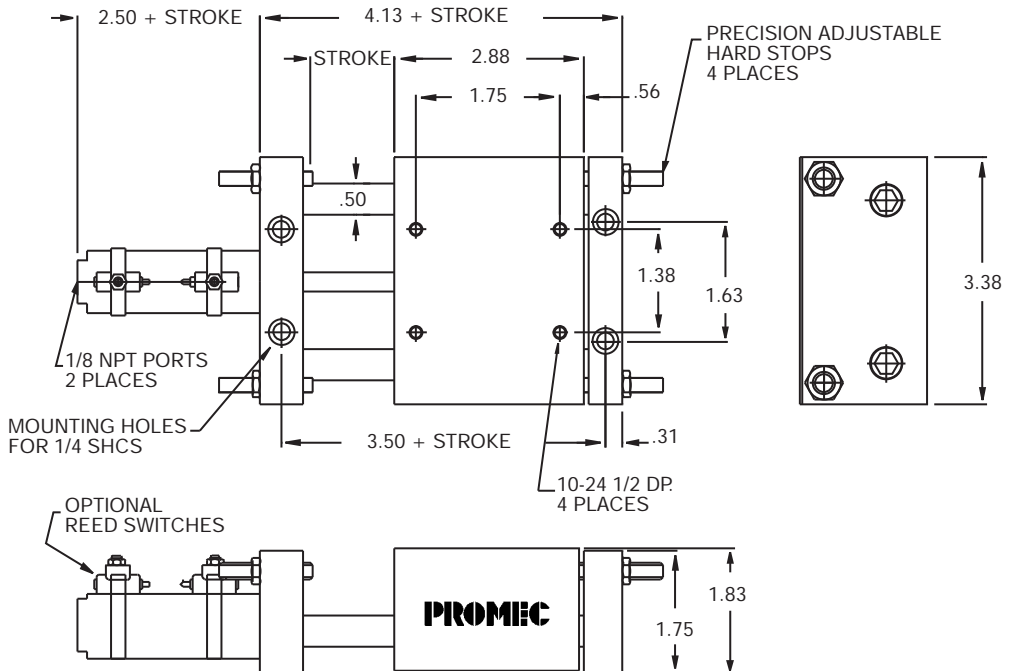
Slider S075

Standard Features:

- Precision adjustable hard stops (both ends)
- Permanently lubricated linear ball bearings
- Magnetic piston for sensor actuation

Specifications:

- Cylinder Diameter $\frac{3}{4}$ " SS
- Power Factor 0.44 Push 0.39 Pull
- Operating Pressure 200 PSI max.

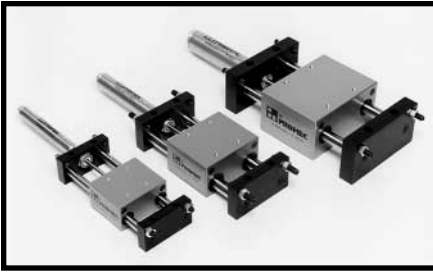


Stroke Length: 1" increments; min. 1", max. 12". Specify on order form.

Reed Switch: Available with two, one or none. See order form.

Part No. S075 - -
 STROKE LENGTH NO. REED SWITCHES

To order, use Easy Order
PROFAX on page 10.



PROMEC

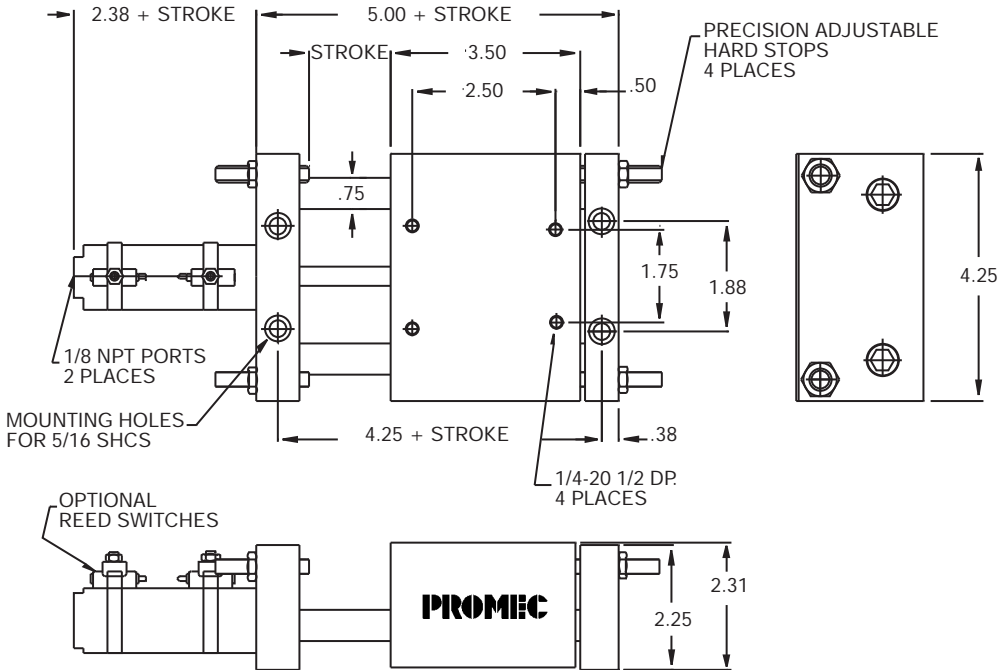
Slider S106

Standard Features:

- Precision adjustable hard stops (both ends)
- Permanently lubricated linear ball bearings
- Magnetic piston for sensor actuation

Specifications:

- Cylinder Diameter 1 1/16" SS
- Power Factor 0.89 Push 0.81 Pull
- Operating Pressure 200 PSI max.

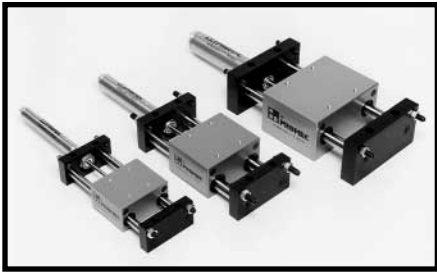


Stroke Length: 1" increments; min. 1", max. 12". Specify on order form.

Reed Switch: Available with two, one or none. See order form.

Part No. S106 - -
 STROKE LENGTH NO. REED SWITCHES

To order, use Easy Order
PROFAX on page 10.



PROMEC

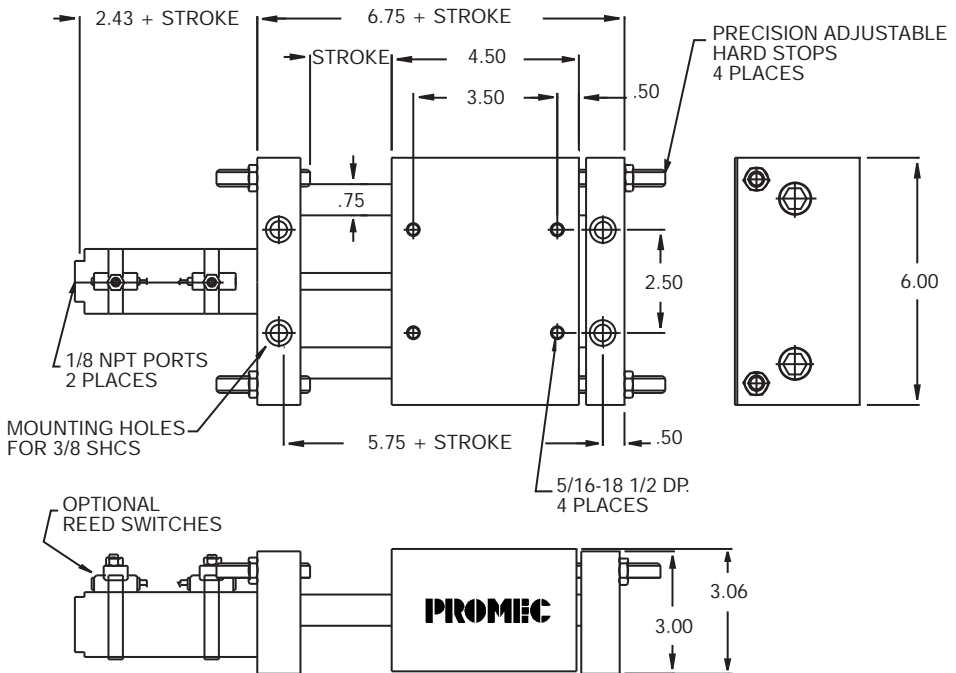
Slider S150

Standard Features:

- Precision adjustable hard stops (both ends)
- Permanently lubricated linear ball bearings
- Magnetic piston for sensor actuation

Specifications:

- Cylinder Diameter 1 1/2" SS
- Power Factor 1.77 Push 1.62 Pull
- Operating Pressure 200 PSI max.

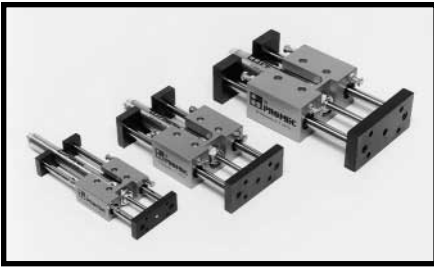


Stroke Length: 1" increments; min. 1", max. 12". Specify on order form.

Reed Switch: Available with two, one or none. See order form.

Part No. S150 - -
 STROKE LENGTH NO. REED SWITCHES

To order, use Easy Order
PROFAX on page 10.



PROMEC

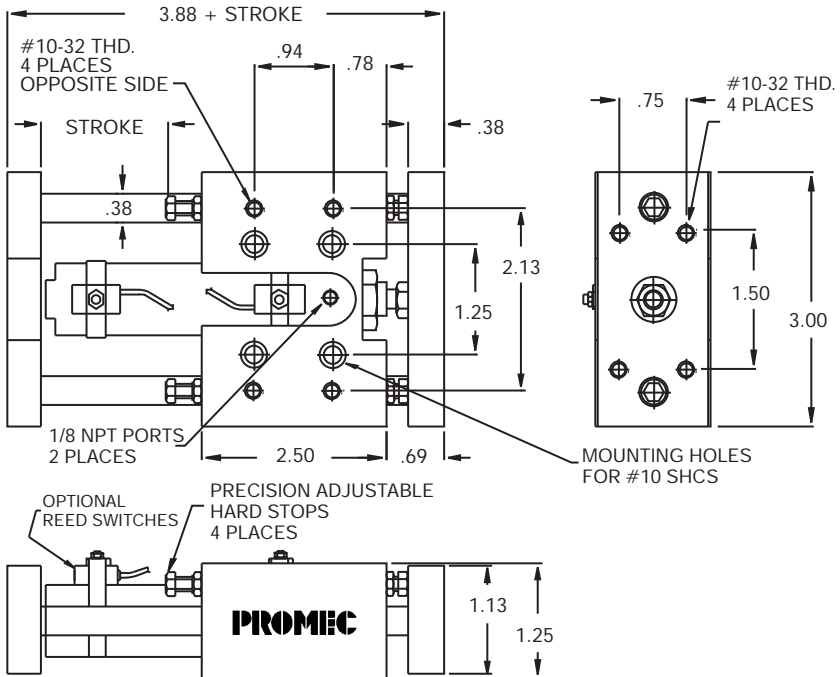
Thruster T075

Standard Features:

- Precision adjustable hard stops (both ends)
- Permanently lubricated linear ball bearings
- Magnetic piston for sensor actuation

Specifications:

- Cylinder Diameter $\frac{3}{4}$ " SS
- Power Factor 0.44 Push 0.39 Pull
- Operating Pressure 200 PSI max.

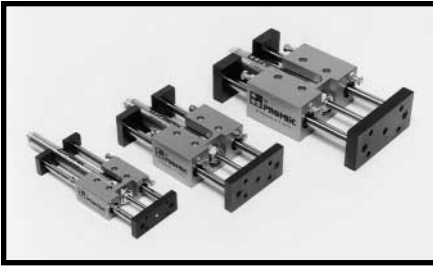


Stroke Length: 1" increments; min. 1", max. 12". Specify on order form.

Reed Switch: Available with two, one or none. See order form.

Part No. T075 - -
 STROKE LENGTH NO. REED SWITCHES

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PROFAX on page 10.



PROMEC

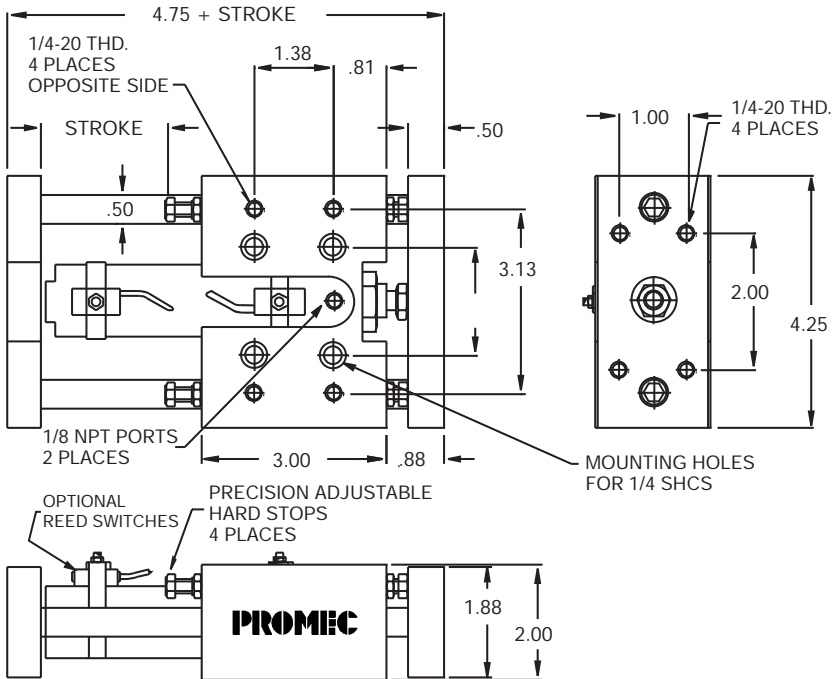
Thruster T106

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- Magnetic piston for sensor actuation

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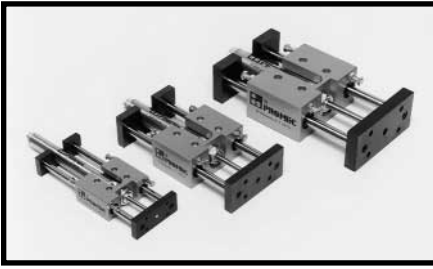


Stroke Length: 1" increments; min. 1", max. 12". Specify on order form.

Reed Switch: Available with two, one or none. See order form.

Part No. T106 - -
 STROKE LENGTH NO. REED SWITCHES

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PROMEC

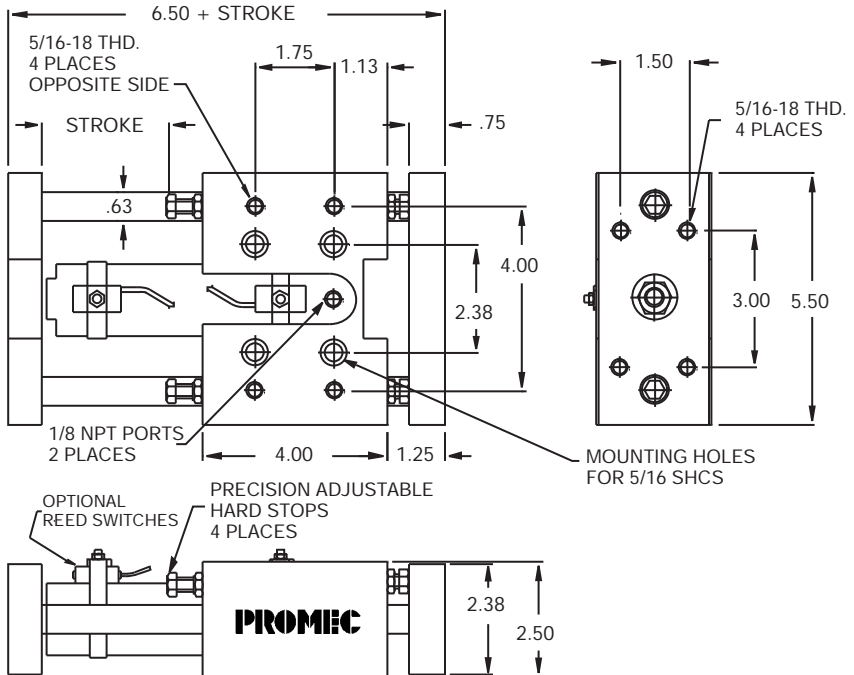
Thruster T150

Standard Features:

- Precision adjustable hard stops (both ends)
- Permanently lubricated linear ball bearings
- Magnetic piston for sensor actuation

Specifications:

- Cylinder Diameter 1 1/2" SS
- Power Factor 1.77 Push 1.62 Pull
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Part No. T150 - -
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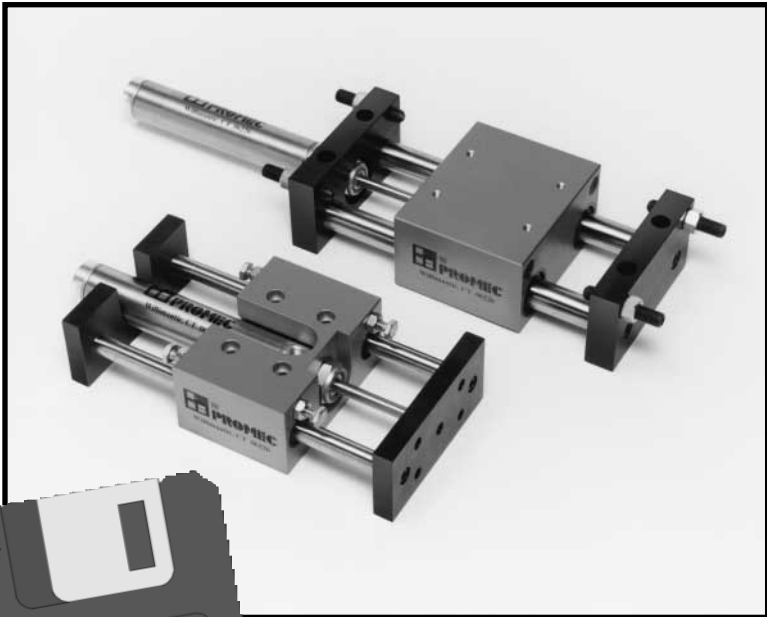
To order, use Easy Order
PROFAX on page 10.

General Information

Many other options available, including:

- Composite Bearings
- Stainless Steel Shafts
- Hall Effect Switches
- Complete Pick and Place Units
- External Bumpers
- Shock Absorbers
- Stop Collars
- Custom End Plates and Bodies

Call PROMEC direct to speak to the experts.



Available on CAD

PROMEC Sliders and Thrusters available on CAD for easy integration into your design. Call today for your free disk: 888-PROMEC-0 (888-776-6320).

PROMEC engineers are always available for technical support. They can provide up-to-date, detailed specifications on all sliders and thrusters so that you can be sure of selecting the right control for your application. With the PROMEC advantage, you are assured of a quality, reliable linear motion device to fit any application.



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Fax 860-423-9936