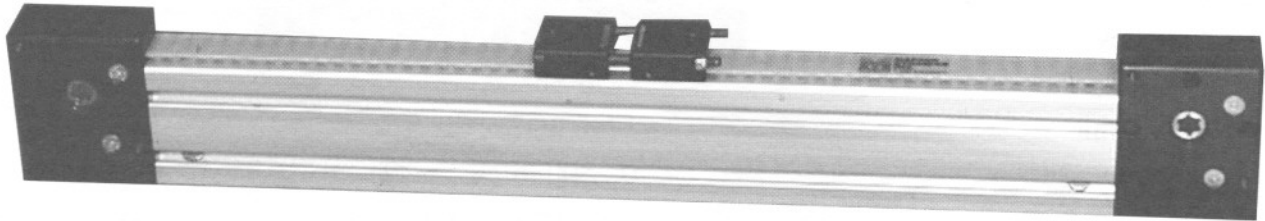


MACRON SINGLE BELT DRIVE LINEAR ACTUATOR



Features

- Macron actuators are furnished to your specifications
- Available in any length up to 76.2 meters (250 ft.)
- Fast turnaround on all standard units

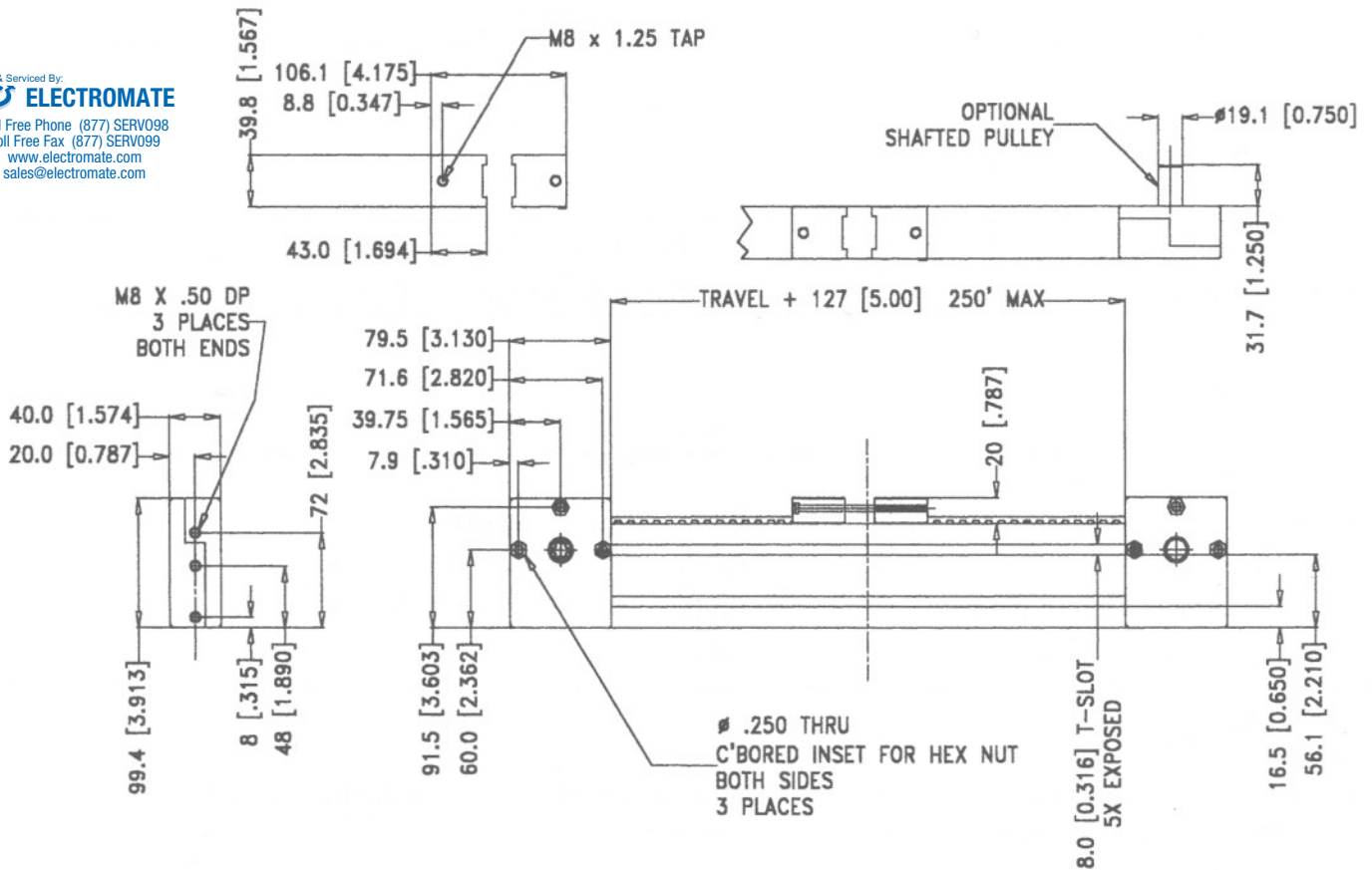
Optional

- Sensors

Motor Mounting (See Page 22)

- Motor Mount Adapter
- NEMA 23, 34 & 42 (standard)
48, 56 & non-NEMA sizes (optional)
- Spline Adapter
- Shafted Pulley

Sold & Serviced By:
 **ELECTROMATE**
 Toll Free Phone (877) SERV098
 Toll Free Fax (877) SERV099
 www.electromate.com
 sales@electromate.com



MACRON SINGLE BELT DRIVE LINEAR ACTUATOR

TECHNICAL DATA

Specifications:

| | | |
|------------------------|--|--|
| Repeatability | | +/- 0.001 in |
| Linear Accuracy | | +/- 0.003 in |
| Breakaway Torque | | 50 oz-in |
| Belt Tensile Limit | | 1750 lbs |
| Belt Running Load | | 0 - 500 lbs |
| Travel/Revolution | | 150 mm/rev (5.906 in/rev) |
| Pulley Diameter | | 47.75 mm (1.88 in) |
| Pulley Weight (each) | | 9.5 oz |
| Maximum Speed | | 300 in/sec |
| Acceleration Exceeding | | 5 G's |
| Motor Mount/Coupling | | NEMA 23, 34 & 42 (standard), 48, 56 & non-NEMA sizes (optional) |

Shipping Weight

Sold & Serviced By:



Toll Free Phone (877) SERVO98
Toll Free Fax (877) SERVO99
www.electromate.com
sales@electromate.com

| | | |
|----------------------|--|--------|
| Weight of travel | | 16 lbs |
| Additional per meter | | 6 lbs |

Load Capacities

| | | |
|--------------------|--|----------------------------|
| Dynamic Horizontal | | To Customer Specifications |
| Static Horizontal | | To Customer Specifications |

Inertia Calculation

| ~ W values of actuators | weight | inertia |
|----------------------------------|-----------|-----------------------------|
| ~ weight of cart & hardware | TDB* lbs | TDB* lbs - in ² |
| ~ weight of belt/meter of travel | 0.938 lbs | 0.827 lbs - in ² |
| ~ weight of (two) pulleys | 1.188 lbs | 0.524 lbs - in ² |

*Application Specific

For Multi-Axis Units and other specifications not listed, contact your local Distributor or Macron for Engineering Design assistance and quotations.