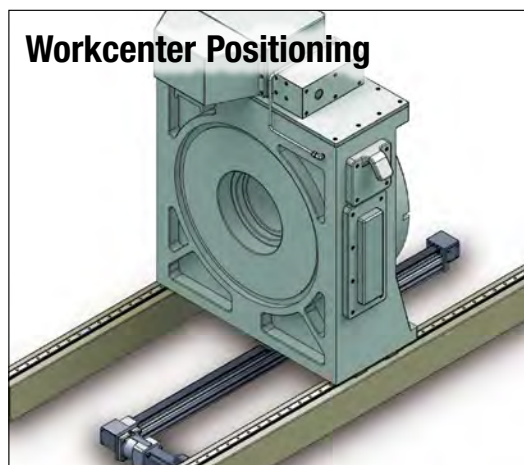
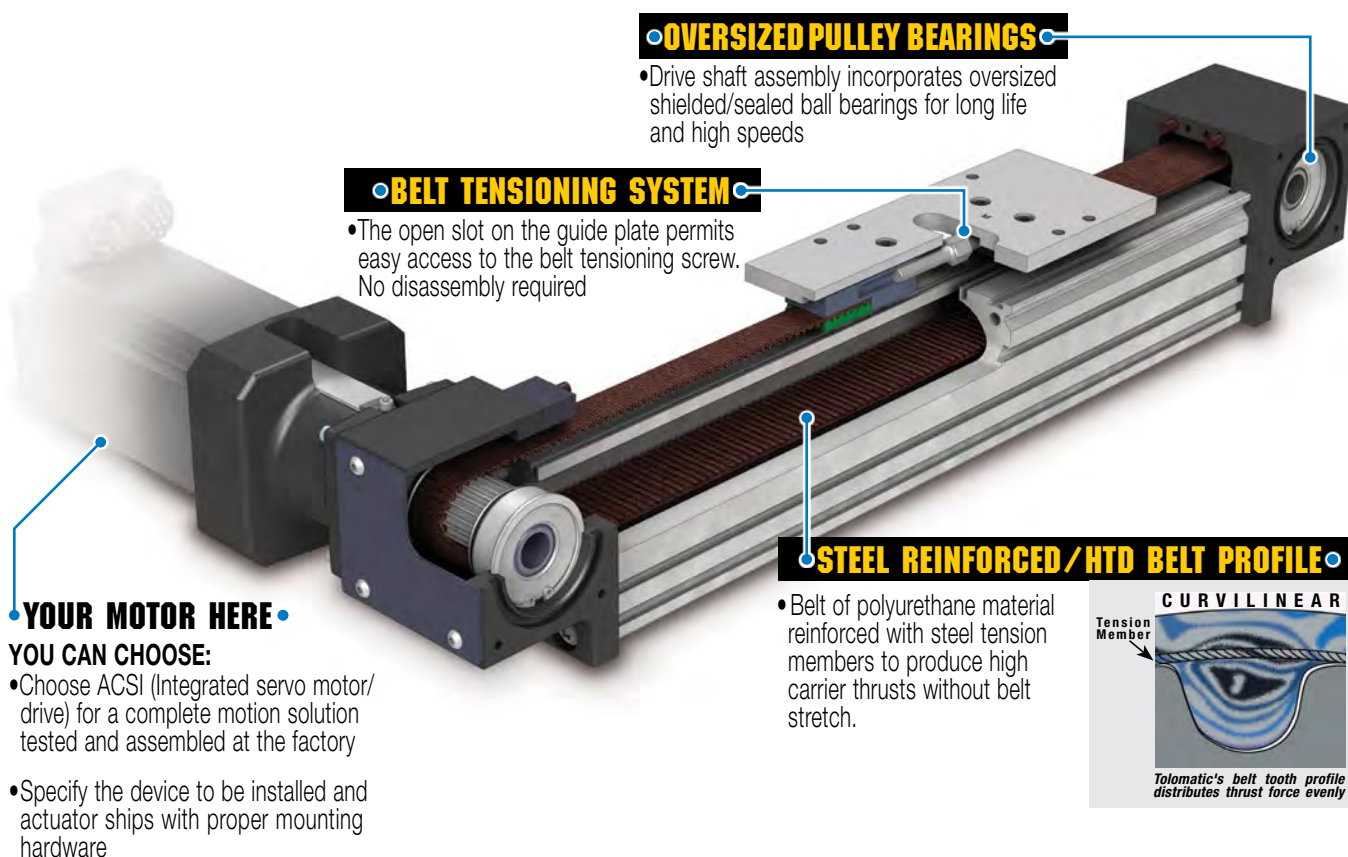


UNGUIDED RODLESS BELT-DRIVE ACTUATOR

The MXB-U rodless actuator is a pre-assembled compact linear belt solution for use in applications with existing guides & supports. This economical actuator features speeds up to 5080 mm/sec (200 in/sec) and thrusts up to 1859 N (418 lbf). Built-to-order in stroke lengths up to 5842 mm (230 in).

MXB-U



Applications:

- Adhesive dispensing
- Aligning
- Animation
- Assembly
- Automotive
- Camera positioning
- Conveyors
- Cutting
- Diverters
- Inspection
- Laser marking
- Material cutting
- Milling
- Packaging equipment
- Parts transfer
- Pick & place
- Positioning
- Product handling
- Slitting
- Sorting
- Spraying
- Stacking
- Table positioning
- Test stations
- Wire winding

Available Options:

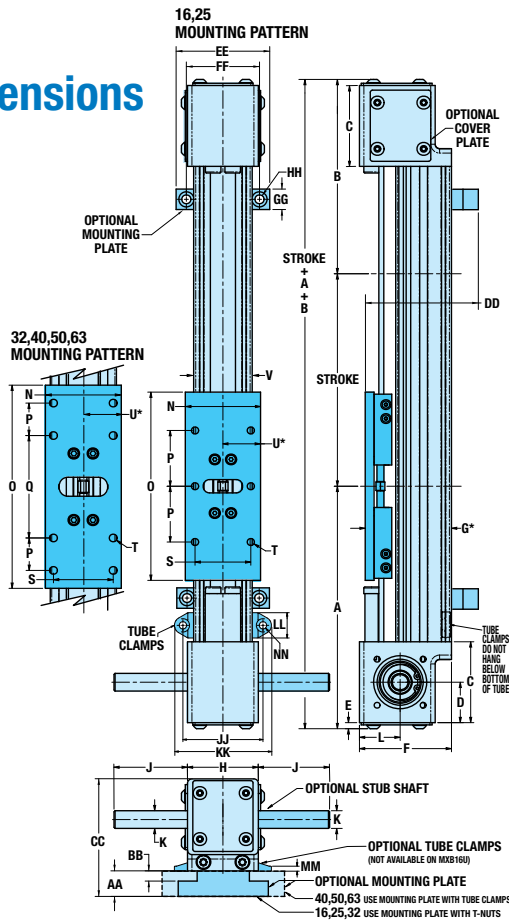
Mounting
 Mounting Plates,
 Tube Clamps

Sensors
 With integrated mounting

UNGUIDED RODLESS BELT-DRIVE ACTUATOR

MXB-U

Dimensions



| | MXB16 | MXB25 | MXB32 | MXB40 | MXB50 | MXB63 |
|----------------|-------|--------|--------|--------|--------|--------|
| A | 135.3 | 173.9 | 187.8 | 216.6 | 224.7 | 275.1 |
| B | 119.0 | 139.3 | 154.7 | 192.7 | 205.0 | 262.1 |
| C | 50.8 | 58.0 | 55.9 | 78.7 | 82.6 | 96.1 |
| D | 25.4 | 29.0 | 25.4 | 39.4 | 40.0 | 45.3 |
| E | 3.8 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| F | 52.8 | 66.0 | 77.5 | 93.8 | 110.6 | 139.3 |
| G* | 45.3 | 61.9 | 77.4 | 88.3 | 109.6 | 135.5 |
| H | 44.5 | 50.8 | 69.9 | 82.6 | 98.4 | 111.1 |
| J (LMI) | 15.0 | 57.7 | 57.7 | 47.5 | 47.5 | 47.5 |
| J (RP) | 46.6 | 57.7 | 57.7 | 47.5 | 47.5 | 47.5 |
| K | Ø9.53 | Ø12.70 | Ø12.70 | Ø12.70 | Ø12.70 | Ø12.70 |
| L | 26.4 | 29.2 | 27.9 | 39.7 | 41.5 | 52.2 |

Measurements in mm

Specifications

| MXB SIZE | MAX. THRUST N | BELT DEAD LENGTH mm | MAXIMUM STROKE* mm |
|-----------|------------------|------------------------|-----------------------|
| 16 | 169 | 363.0 | 5842 |
| 25 | 672 | 475.5 | 5181 |
| 32 | 930 | 556.0 | 5156 |
| 40 | 1112 | 633.7 | 5130 |
| 50 | 1446 | 692.2 | 5130 |
| 63 | 1859 | 917.2 | 2590 |

| | |
|----------------------|--------------|
| Max. Velocity | 5080 mm/sec |
| Repeatability | ± 0.051 mm |
| Temp. Range | -12 to 54 °C |

| | MXB16 | MXB25 | MXB32 | MXB40 | MXB50 | MXB63 |
|-----------|--------|--------|---------|---------|---------|---------|
| N | 34.9 | 54.0 | 63.5 | 88.9 | 95.3 | 114.3 |
| O | 110.0 | 135.0 | 170.0 | 200.0 | 216.0 | 304.8 |
| P | 40.0 | 40.0 | 27.1 | 25.4 | 25.4 | 40.0 |
| Q | - | - | 87.7 | 114.3 | 69.8 | 130.0 |
| S | 28.0 | 40.0 | 50.0 | 72.0 | 79.4 | 98.3 |
| T | M4x0.7 | M6x1.0 | M8x1.25 | M8x1.25 | M8x1.25 | M10x1.5 |
| U* | 17.5 | 27.0 | 31.8 | 44.5 | 47.7 | 57.2 |
| V | 30.00 | 42.00 | 55.37 | 64.00 | 78.74 | 100.00 |

OPTIONAL MOUNTING PLATES

| | | | | | | |
|-----------|------------------------------------|------------------------------------|-------------------------------------|------------------|------------------|------------------|
| AA | 15.9 | 15.9 | 19.1 | 25.4 | 31.8 | 25.4 |
| BB | 6.4 | 6.4 | 7.6 | - | - | - |
| CC | 68.7 | 81.9 | 96.5 | 119.4 | 119.4 | 164.6 |
| DD | 60.9 | 77.7 | 95.2 | 106.1 | 127.4 | 153.3 |
| EE | 60.0 | 63.5 | 86.4 | 127.0 | 142.2 | 203.2 |
| FF | 44.5 | 50.8 | 59.9 | 112.0 | 127.0 | 177.8 |
| GG | 25.4 | 25.4 | 25.4 | 20.1 | 20.1 | 25.4 |
| HH | Ø5.6 THRU └┐ Ø9.4 └┐ 5.6 (2) | Ø5.6 THRU └┐ Ø9.4 └┐ 5.6 (2) | Ø7.1 THRU └┐ Ø11.2 └┐ 7.1 (2) | Ø7.1 THRU (2) | Ø7.1 THRU (2) | Ø7.1 THRU (2) |

OPTIONAL TUBE CLAMPS

| | MXB16 | MXB25 | MXB32 | MXB40 | MXB50 | MXB63 |
|-----------|-------|-------|-------|-------|-------|-------|
| JJ | - | 57.0 | 74.1 | 82.7 | 97.5 | 131.7 |
| KK | - | 69.0 | 87.4 | 96.7 | 111.5 | 150.7 |
| LL | - | 18.0 | 16.0 | 14.0 | 14.0 | 19.0 |
| MM | - | 3.6 | 4.3 | 3.8 | 3.8 | 6.1 |
| NN | - | 5.2 | 7.1 | 7.1 | 7.1 | 10.7 |

*In order for the actuator to operate properly, dimensions "G" and "U" must not vary more than ±0.51mm over the entire length of the stroke.



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