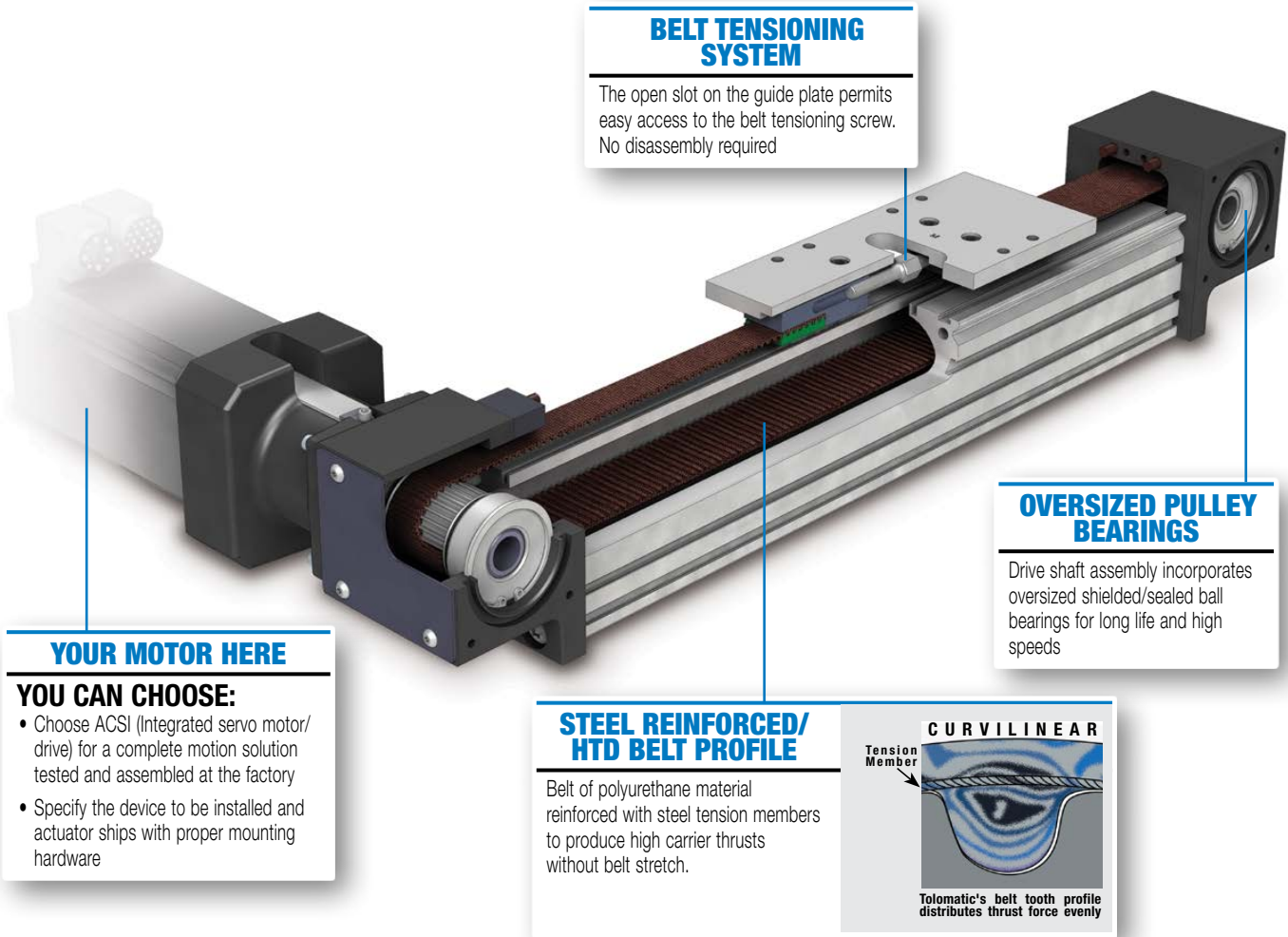


UNGUIDED RODLESS BELT-DRIVE ACTUATOR

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 1859N (418 lbf). Built-to-order in stroke lengths up to 10.5 m (414 in).

MXB-U



BELT TENSIONING SYSTEM

The open slot on the guide plate permits easy access to the belt tensioning screw. No disassembly required

OVERSIZED PULLEY BEARINGS

Drive shaft assembly incorporates oversized shielded/sealed ball bearings for long life and high speeds

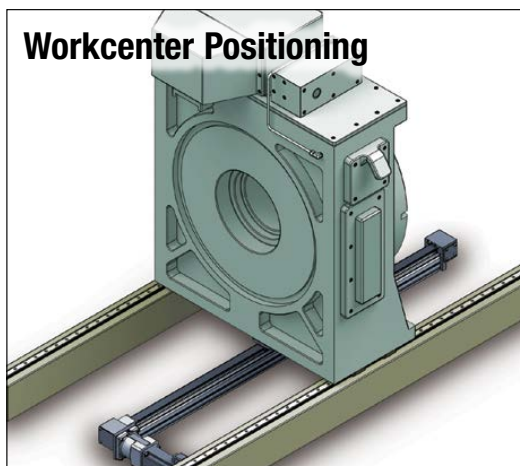
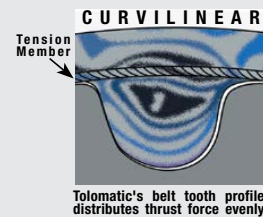
YOUR MOTOR HERE

YOU CAN CHOOSE:

- Choose ACSI (Integrated servo motor/ drive) for a complete motion solution tested and assembled at the factory
- Specify the device to be installed and actuator ships with proper mounting hardware

STEEL REINFORCED/HTD BELT PROFILE

Belt of polyurethane material reinforced with steel tension members to produce high carrier thrusts without belt stretch.



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:

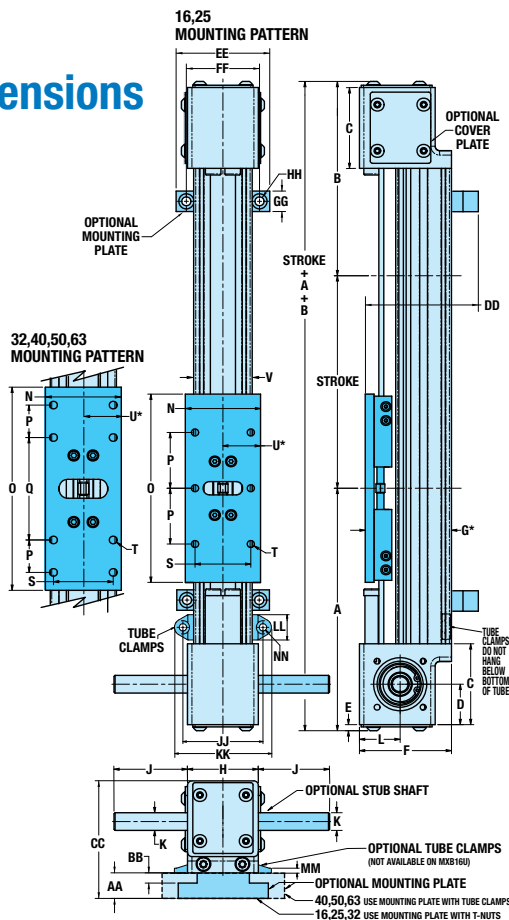
Mounting
Mounting Plates,
Tube Clamps

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
N	34.9	54.0	63.5	88.9	95.3	114.3

Measurements in mm

Specifications

MXB SIZE	MAX. THRUST	BELT DEAD LENGTH	MAXIMUM STROKE
	N	mm	mm
16	169	363.0	5,842
25	672	475.5	10,516
32	930	556.0	10,490
40	1,112	633.7	10,465
50	1,446	692.2	10,414
63	1,859	917.2	5,512

Max. Velocity	5,080 mm/sec
Repeatability	± 0.051 mm
Temp. Range	-12 to 54 °C

	MXB16	MXB25	MXB32	MXB40	MXB50	MXB63
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.



MADE IN U.S.A.

Tolomatic™

EXCELLENCE IN MOTION

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001 = Certified site: Hamel, MN

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