



BELT DRIVEN ACTUATORS > MSA-135 ACTUATOR

MSA-135 ACTUATOR



MSA-135 OPTIONS

SHAFT TYPE

Single

Double

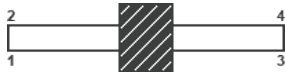
DRIVE SHAFT LOCATION

1

2

3

4



TRAVELS

(Min 150mm - Max 5550mm)

OPTIONS FOR:

Motor Mounting

Sensors

Gearbox

HOW TO BUILD YOUR MSA-135:

MSA - 135 - 0 - BC - **x0x-x**

Shaft Type

Drive Shaft Location

Travels



Macron Solutions Since 1987

MACRON DYNAMICS, INC.

100 Phyllis Drive

Croydon, PA 19021

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1-800-MACRON-1 (1-800-622-7661)

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Macron Guarantee

All Macron actuators and belt drives are covered by our

1-Year Warranty



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SPECIFICATIONS

Specifications	
Motion	Horizontal or Vertical
Max Speed - horizontal [vertical] - mm / sec	5080 [5080]
Max Load - horizontal [vertical] - lbs.	500 [250]
Repeatability - mm	+/-0.025
Moment Load Max - in. - lbs. [Nm]	460 [52]
Positional Accuracy - mm / meter	+/- 0.4
Acceleration max - G's	10
Beam Dimensions - mm	40 x 80
Cart Guide	Plastic rollers in aluminum channel
Motor Sizing Information	
Weight of Drive Pulley - oz. / kgs.	11.3 / 0.32
Weight of Idler Pulley - oz. / kgs.	7.7 / 0.22
Weight of Cart - lbs. / kgs.	1.7 / 0.77
Weight of Belt - kgs. based on travel selected	$((\text{Travel in meters} \times 2) + 0.47) \times 0.12$
Travel per Revolution - mm	150
Pulley Pitch Diameter - mm	47.74
Pulley Material / Width - mm	steel / 25
Breakaway Torque - oz. - in.	32 - 36
Coefficient Friction	N/A
Rolling Resistance - lbs. / kgs.	0.006 / 0.003

SPECIFICATIONS

Weight	
Weight - min. travel unit (150 mm) - lbs. / kgs.	10.8 / 4.9
Weight - additional 25 mm of travel - lbs. / kgs.	0.13 / 0.06
Travels	
Standard Travels - min max - mm (25 mm increment)	150 / 5550

Features

- Extruded aluminum actuator body with T-slots for ease of mounting
- Easy to adjust belt tensioner
- One piece, machined and stress proof shafted pulley
- Delrin, needle bearing rollers in extruded aluminum channel
- Zero backlash belt to pulley design
- Corrosion resistant components

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