



BELT DRIVEN ACTUATORS > MSA-14H ACTUATOR

MSA-14H ACTUATOR



MSA-14H OPTIONS

SHAFT TYPE

Single

Double

DRIVE SHAFT LOCATION

1

2

3

4



TRAVELS

(Min 150mm - Max 5625mm)

OPTIONS FOR:

Motor Mounting

Sensors

Gearbox

HOW TO BUILD YOUR MSA-14H:

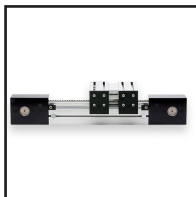
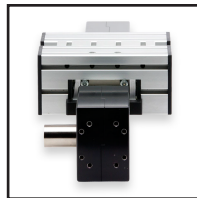
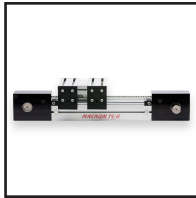
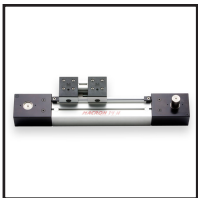
MSA - 14H - I - CF - **x0** **x** - **x**

Shaft Type

Drive Shaft Location

Travels

Note: See mounting notes below for mounting relationship to payloads.



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)
Phone: 267-557-3590
Fax: 215-443-0981

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	10160 [5080]
Max Load - horizontal [vertical] - lbs.	400 [300]
Repeatability - mm	+/-0.025
Moment Load Max - in. - lbs. [Nm]	460 [52]
Positional Accuracy - mm / meter	+/- 0.4
Acceleration max - G's	9
Beam Dimensions - mm	98 x 80
Cart Guide	Track roller with round rail
Motor Sizing Information	
Weight of Drive Pulley - oz. / kgs.	28.4 / 0.81
Weight of Idler Pulley - oz. / kgs.	26.4 / 0.75
Weight of Cart - lbs. / kgs.	12.0 / 5.44
Weight of Belt - kgs. based on travel selected	$((\text{Travel in meters} \times 2) + 0.84) \times 0.35$
Travel per Revolution - mm	280
Pulley Pitch Diameter - mm	89.13
Pulley Material / Width - mm	steel / 50
Breakaway Torque - oz. - in.	196-200
Coefficient Friction	N/A
Rolling Resistance - lbs. / kgs.	0.032 / 0.014

SPECIFICATIONS

Weight	
Weight - min. travel unit (150 mm) - lbs. / kgs.	60.5 / 27.4
Weight - additional 25 mm of travel - lbs. / kgs.	0.58 / 0.26
Travels	
Standard Travels - min max - mm (25 mm increment)	150 / 5625

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
- Four track rollers with 14mm hard chrome plated round steel rail per side of beam
- Zero backlash belt to pulley design
- Corrosion resistant components

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