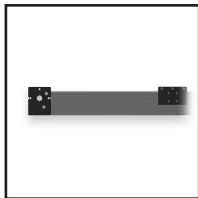
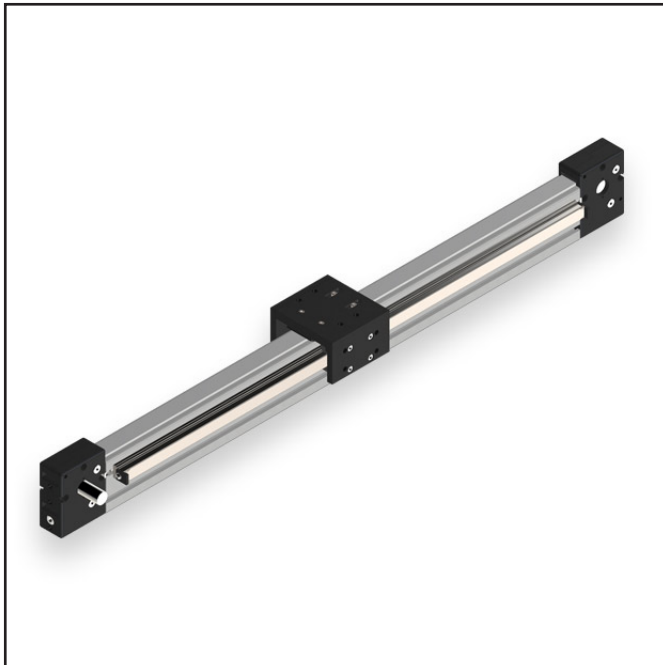




BELT DRIVEN ACTUATORS > MSA-R6S ACTUATOR

MSA-R6S ACTUATOR



MSA-R6S OPTIONS

SHAFT TYPE

Single

Double

DRIVE SHAFT LOCATION

1

2

3

4



TRAVELS

(Min 150mm - Max 5750mm)

OPTIONS FOR:

Motor Mounting

Sensors

Gearbox

HOW TO BUILD YOUR MSA-R6S:

MSA - R6S - E - BC - **x0** **x** - **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)

Phone: 267-557-3590

Fax: 215-443-0981

Macron Guarantee

All Macron actuators and belt drives are covered by our

1-Year Warranty



BELT DRIVEN ACTUATORS > MSA-R6S ACTUATOR

MSA-R6S ACTUATOR

SPECIFICATIONS

Specifications	
Motion	Horizontal or Vertical
Max Speed - horizontal [vertical] - mm / sec	5000 [5000]
Max Load - horizontal [vertical] - lbs.	300 [150]
Repeatability - mm	+/-0.025
Moment Load Max - in. - lbs. [Nm]	575 [65]
Positional Accuracy - mm / meter	+/- 0.4
Acceleration max - G's	20
Beam Dimensions - mm	N/A
Cart Guide	Linear bearing with profile rail
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.	1.3 / 0.59
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.	13 - 14
Coefficient Friction	0.05
Rolling Resistance - lbs. / kgs.	N/A

SPECIFICATIONS

Weight	
Weight - min. travel unit (150 mm) - lbs. / kgs.	8.4 / 3.8
Weight - additional 25 mm of travel - lbs. / kgs.	0.64 / 0.29
Travels	
Standard Travels - min max - mm (25 mm increment)	150 / 5750

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
- One 20 series linear bearing with single covered steel profile rail
- Zero backlash belt to pulley design
- Corrosion resistant components

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