



BELT DRIVEN ACTUATORS > MSA-PSC ACTUATOR

MSA-PSC ACTUATOR

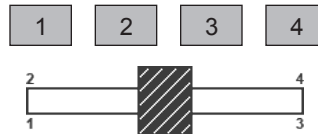


MSA-PSC OPTIONS

SHAFT TYPE

- Single
- Double

DRIVE SHAFT LOCATION



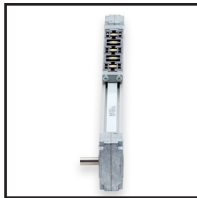
TRAVELS

(Min 150mm - Max 5350mm)

OPTIONS FOR:

- Motor Mounting
- Sensors
- Gearbox

HOW TO BUILD YOUR MSA-PSC:



Macron Solutions Since 1987

MACRON DYNAMICS, INC.
100 Phyllis Drive
Croydon, PA 19021

1-800-MACRON-1 (1-800-622-7661)
Phone: 267-557-3590
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SPECIFICATIONS

Specifications

Motion	Horizontal or Vertical
Max Speed - horizontal [vertical] - mm / sec	1270 [635]
Max Load - horizontal [vertical] - lbs.	20 [20]
Repeatability - mm	+/-0.025
Moment Load Max - in. - lbs. [Nm]	15 [1.7]
Positional Accuracy - mm / meter	+/- 0.4
Acceleration max - G's	5
Beam Dimensions - mm	28 x 38
Motor Sizing Information	
Weight of Drive Pulley - oz. / kgs.	4.7 / 0.13
Weight of Idler Pulley - oz. / kgs.	4.3 / 0.12
Weight of Cart - lbs. / kgs.	0.4 / 0.18
Weight of Belt - kgs. based on travel selected	((Travel in meters x 2) + 0.32) x 0.04
Travel per Revolution - mm	105
Pulley Pitch Diameter - mm	33.42
Pulley Material / Width - mm	steel / 12
Breakaway Torque - oz. - in.	12-14
Coefficient Friction	0.25
Rolling Resistance - lbs. / kgs.	N/A

SPECIFICATIONS

Weight

Weight - min. travel unit (150 mm) - lbs. / kgs.	3.5 / 1.6
Weight - additional 25 mm of travel - lbs. / kgs.	0.08 / 0.04
Travels	
Standard Travels - min max - mm (25 mm increment)	150 / 5350

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
- Zero backlash belt to pulley design
- Corrosion resistant components

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