



BELT DRIVEN ACTUATORS > MSA-SBH BELT DRIVE

MSA-SBH BELT DRIVE

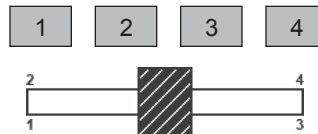


MSA-SBH OPTIONS

SHAFT TYPE

- Single
- Double

DRIVE SHAFT LOCATION



TRAVELS

(Min 150mm - Max 5625mm)

OPTIONS FOR:

- Motor Mounting
- Sensors
- Gearbox

HOW TO BUILD YOUR MSA-SBH:



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
 Fax: 215-443-0981

© 2014 MACRON DYNAMICS, INC.

Macron Guarantee

All Macron actuators and belt drives are covered by our
 1-Year Warranty



BELT DRIVEN ACTUATORS > MSA-SBH BELT DRIVE

MSA-SBH BELT DRIVE

SPECIFICATIONS

Specifications	
Motion	Horizontal or Vertical
Max Speed - horizontal [vertical] - mm / sec	15240 [7620]
Max Load - horizontal [vertical] - lbs.	2500 [1250]
Repeatability - mm	+/-0.025
Moment Load Max - in. - lbs. [Nm]	NONE
Positional Accuracy - mm / meter	+/- 0.4
Acceleration max - G's	20
Beam Dimensions - mm	80 x 98
Ultimate tensile strength of belts - lbs. [N]	10,800 [48,040]
Recommended belt running load - lbs. [N]	2700 [12,015]
Cart Guide	NONE
Motor Sizing Information	
Weight of Drive Pulley - oz. / kgs.	105 / 2.98
Weight of Idler Pulley - oz. / kgs.	92 / 2.60
Weight of Cart - lbs. / kgs.	N/A
Weight of Belt - kgs. based on travel selected	((Travel in meters x 2) + 0.84) x 0.35
Travel per Revolution - mm	280
Pulley Pitch Diameter - mm	89.13
Pulley Material / Width - mm	steel / 50
Breakaway Torque - oz. - in.	N/A
Coefficient Friction	N/A
Rolling Resistance - lbs. / kgs.	N/A

SPECIFICATIONS

Weight	
Weight - min. travel unit (150 mm) - lbs. / kgs.	41.7 / 18.9
Weight - additional 25 mm of travel - lbs. / kgs.	0.28 / 0.13
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
- Zero backlash belt to pulley design
- Corrosion resistant components

Macron Solutions Since 1987

MACRON DYNAMICS, INC.
 100 Phyllis Drive
 Croydon, PA 19021
 © 2014 MACRON DYNAMICS, INC.

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