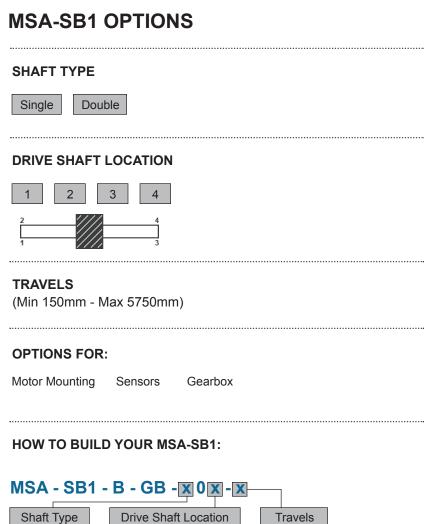
BELT DRIVEN ACTUATORS > MSA-SB1 BELT DRIVE

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## SPECIFICATIONS

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Specifications		
Motion	Horizontal or Vertical	
Max Speed - horizontal [vertical] - mm / sec	5050 [2525]	
Max Load - horizontal [vertical] - lbs.	100 [50]	
Repeatability - mm	+/-0.025	
Moment Load Max - in lbs. [Nm]	NONE	
Positional Accuracy - mm / meter	+/- 0.4	
Acceleration max - G's	5	
Beam Dimensions - mm	28 x 56	
Ultimate tensile strength of belts - lbs. [N]	800 [3559]	
Recommended belt running load - lbs. [N]	200 [889]	
Cart Guide	NONE	
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.	N/A	
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.	N/A	
Coefficient Friction	N/A	
Rolling Resistance - lbs. / kgs.	N/A	
••••••	•••••	

SPE	ECIFICATIONS	
We	ight	
	eight - min. travel unit 50 mm) - lbs. / kgs.	5.5 / 2.5
	eight - additional 25 mm of travel - . / kgs.	0.08 / 0.04
Tra	vels	
Sta	andard Travels - min max - mm	150 / 5750

#### **Features**

- Extruded aluminum actuator body with T-slots for ease of mounting
- Easy to adjust belt tensioner

(25 mm increment)

- · One piece, machined and stress proof shafted pulley
- · Zero backlash belt to pulley design
- · Corrosion resistant components

### Macron Solutions Since 1987

Macron Guarantee

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