Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

MiSUMi C-VALUE Single Axis Actuators LST10 - Belt Driving

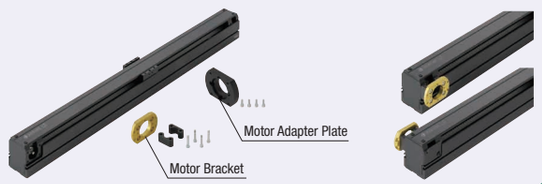
Compared to Similar Products 45% Off Max.

Similar Component Page P.459~P.462

Points to compare against Similar Products | For Positioning Repeatability and Allowable Static Moment, C-VALUE components differ from their similar products. P.459~P.462

Product Features: By adopting this Belt Driving type of Single Axis Actuator, Long Stroke and High Speed Transferring / Positioning can be achieved at low costs.

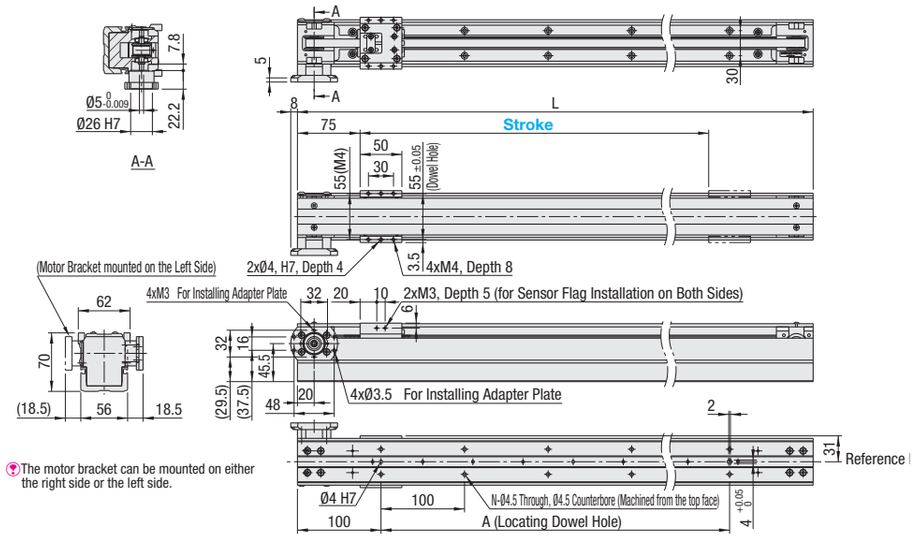
<Example of Mounting a Motor Bracket>



A Accessory	M Material	S Surface Treatment	Quantity	Note
Motor Bracket	Aluminum Alloy	Gold Anodize	1	-
Spacer	Aluminum Alloy	Black Anodize	2	-
Hex Socket Head Cap Screw M4x20	Steel	Black Oxide	4	Motor Bracket Non-flexible
Adapter Plate	Aluminum Alloy	Black Anodize	1	-
Hex Socket Head Cap Screw M3x8	Steel	Black Oxide	4	Adapter Plate Non-flexible

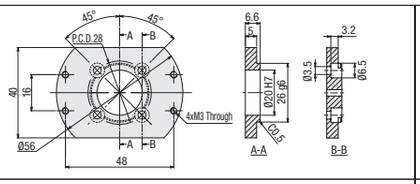
The Motor Bracket and Adapter Plate are not installed yet when being shipped from the factory.
The motor bracket can be mounted on either the right side or the left side.

RoHS

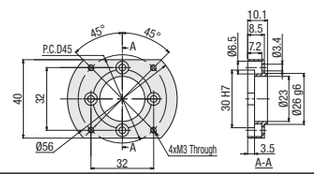


The motor bracket can be mounted on either the right side or the left side.

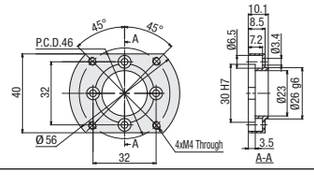
A25 Servo □25



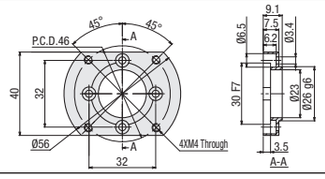
A38 Servo □38



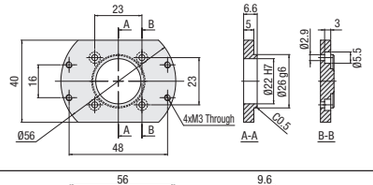
A40 Servo □40



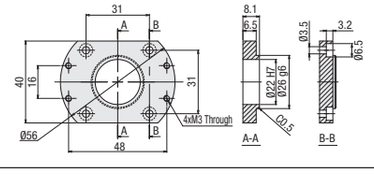
E40 Servo □40



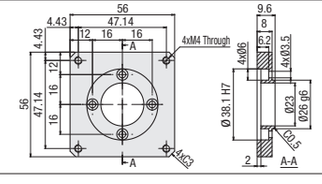
T28 Stepping □28



T42 Stepping □42



T56.4 Stepping □56.4



Part Number	Stroke (mm)	Motor Adapter Plate	L	A	Mass (kg)	Number of Holes (N)	Pitch Circle Dia. of Pulley (mm)	Travel per Pulley Rotation (mm)	Base Mounting
LST10	500	(Servo Motor) A25 A38 A40 E40 (Stepping Motor) T28 T42 T56.4 (No Adapter Plate) N	700	500	3.3	12	19.1	59.97	From the Top of Base Rail (Counterbored Hole)
	600		800	600	3.7	14			
	700		900	700	4.1	16			
	800		1000	800	4.5	18			
	900		1100	900	4.9	20			
	1000		1200	1000	5.3	22			

Accuracy Standards

Accuracy Standards	Standard Value
Positioning Repeatability (mm)	±0.05
Running Parallelism (mm)	±0.05

The standard values are measured after the rail is mounted. (It is not the value measured before the rails are fastened with screws.)

Stepping Motor Application Table

Part Number	Flange Size	Manufacturer	Product Number	Type	Recommended Coupling
T28	□28	Oriental Motor	CSK22	2-phase	SCXW21 (P.1108) SCPW21 (P.1108) CPDW19 (P.1103)
			CSK52	5-phase	
			ASC3	α- Step	
T42	□42		PK24	2-phase	
			CSK24		
			RK54	5-phase	
			RKS54/PK54		
			AS46, ASC46, AR46	α- Step	
T56.4	□56.4	NEMA standards	NEMA23	-	CPDW19 (P.1103)

NEMA standards is a set of standards stipulated by National Electrical Manufacturers Association of United States.

Ordering Example: Part Number LST10 - Stroke 500 - Motor Adapter Plate A25

Servo Motor Application Table

Part Number	Flange Size	Manufacturer	Product Number	Wattage	Recommended Coupling
A25	□25	Yasukawa Electric Corporation	SGMMJ-A1	10W	SCXW21 (P.1108) SCPW21 (P.1108) CPDW19 (P.1103)
			SGMMJ-A2	20W	
			SGMMJ-A3	30W	
		Mitsubishi Electric Corporation	HG-AK0136	10W	
			HG-AK0236	20W	
			HG-AK0336	30W	
A38	□38	Panasonic	MSMD5A	50W	
			MSME5A		
			MSMD01	100W	
			MSME01		
A40	□40	Yasukawa Electric Corporation	SGMJV-A5	50W	
			SGMAH-A5		
			SGMAS-A5		
		Mitsubishi Electric Corporation	HG-MR053		
			HG-KR053		
			HF-KP053		
		Sanyo Denki Co., Ltd.	Q1AA04003D	30W	
			Q1AA04005D	50W	
		Omron Corporation	R88M-K05030		
		Keyence Corporation	MV-M05		
			SV-M005		
E40	□40	SIEMENS	1FK7011-5	50W	CPDW19 (P.1103)
			1FK7015-5	100W	

Product numbers and specifications of motors are subject to change. Please check the manufactures' information.
Applicable motors and couplings are not limited to the above listed products. Please confirm each mounting dimension.

Part Number	Unit Price: Stroke (mm) 500	600	700	800	900	1000	Motor Adapter Plate
LST10							No Adapter Plate
							Servo / Stepping

Alterations: Part Number LST10 - Stroke 500 - Motor Adapter Plate A25 - (Code) MP3

Photo Sensor Types - Set Part Specification

Code	Sensor Type	Sensor	Sensor Type/Qty.	Sensor Flag Mounting		Sensor Mounting	Sensor Bracket Mounting			Unit Price			Note
			Configurable to turn ON or OFF when Light is blocked.	Sensor Flag	Sensor Flag Mounting Screw	Sensor Mounting Screw	Bracket	Bracket Mounting Screw	Bracket Mounting Nut	Sensor Qty. 1 pc.	2 pcs.	3 pcs.	
MP□	Photomicro Sensor	FPMY45	□pc(s).	Dedicated	Hex Socket Head Cap Screw M3x6, 2 pcs.	Hex Socket Head Cap Screw M3x6, 2 pcs.	Dedicated	Hex Socket Head Cap Screw M3x6, 2 pcs.	Hex Nut 2 pcs.				Cable 1m

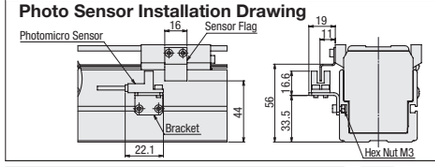
"□" specifies the sensor qty. (1~3). For 100 or less strokes, select 1 or 2.

Proximity Sensor Types - Set Part Specification

Code	Sensor Type	Sensor	Sensor Type/Qty. ON when near	ON when away	Sensor Flag Mounting Sensor Flag	Sensor Flag Mounting Screw	Sensor Mounting Screw	Sensor Mounting Nut	Unit Price Sensor Qty. 1 pc.	2 pcs.	3 pcs.	Note
PR□	Proximity Sensor - Two-Wire Type	EX4-T12	□pc(s).	-	Dedicated	Hex Socket Head Cap Screw M3x6, 2 pcs.	Pan Head Screw M3x10	Hex Nut 1 pc.				Cable 1m
PRO□	Proximity Sensor - Three-Wire Type with N.O. Output	EMX4-T12	□pc(s).	-								
PRC□	Proximity Sensor - Three-Wire Type with N.C. Output	EMX4-T12C	-	□pc(s).								
PRW1	Proximity Sensor - Three-Wire, Combination Type	-	1 pc.	1 pc.					-		-	
PRW2			1 pc.	2 pcs.					-	-		
PRW3			2 pcs.	1 pc.								

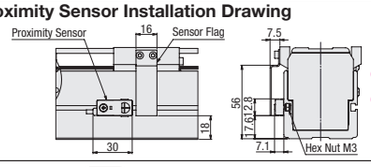
"□" specifies the sensor qty. (1~3). For 100 or less strokes, select 1 or 2.

Photo Sensor Installation Drawing



The sensor can also be installed on the opposite side.
The drawing only shows some example of sensor orientation. The sensor can also be installed in the opposite direction (i.e. with the cable wiring on the right).

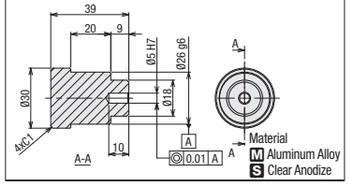
Proximity Sensor Installation Drawing



The sensor can also be installed on the opposite side.
The drawing only shows some example of sensor orientation. The sensor can also be installed in the opposite direction (i.e. with the cable wiring on the right).

Motor Bracket Mounting Fixture dedicated for LST10

JIGLST10



Ordering Example: Part Number JIGLST10

Example: Please use for centering of Motor Brackets.

Part Number	Unit Price
JIGLST10	

* When a unit of Belt Driving Type is purchased for the first time, this product must be purchased also.

