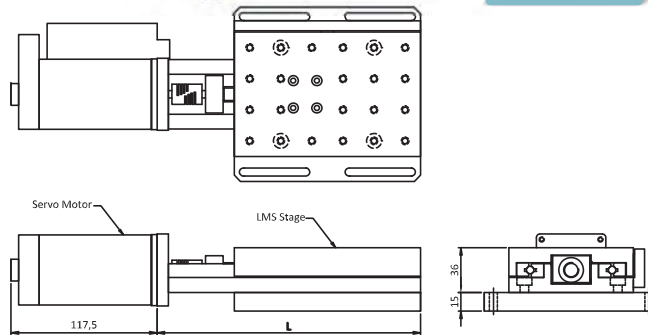


Motorized Translation Stages-LMSZZ Series : SERVO BASED

LMS-ZZ series stages make use of BLDC motors as electrical actuators. Brushless DC (BLDC) motors provide better speed and vibration characteristics compared to stepper motors. Feedback can either be by rotary encoder fixed to the shaft of the motor or by linear encoder. In the case of linear encoder, absolute accuracy of the stage is independent of the accuracy of the leadscrew. Hence better accuracy of positioning can be expected from linear encoder based stages compared to stages fixed with rotary encoder. Holmarc manufactures LMS-ZZ series stages fixed with either rotary or linear encoders as standard products as described in the table below. Apart from drive motor and feedback device, all other features remain same as of our LMS series stages detailed in the preceding page.



1mm Pitch Ground lead screw



- ▶ Straight line accuracy : $\pm 10 \mu$ for total travel length
- ▶ Guide way : Precision V Grooved Guide
- ▶ Drive : Precision Lead screw
- ▶ Construction : Aluminum Alloy B51S
- ▶ Finish : Black anodized
- ▶ Tapped Holes on Carriage : M6 Tapped Holes
- ▶ Mounting Holes on the base plate : M6 Tapped Holes

Model no:	Travel(mm)	Drive	Load Capacity (Kg)	Size L X B (mm)	Accessories	
					Angle Bracket	Base Plate
LMSZZ 75100 - RE10	50	Servo Motor RE10	5	100 x 75	AB - LMS 75100	BP - LMS 75100
LMSZZ 75100 - RE25		Servo Motor RE25	5			
LMSZZ 75150 - RE10	100	Servo Motor RE10	5	150 x 75	AB - LMS 75150	BP - LMS 75150
LMSZZ 75150 - RE25		Servo Motor RE25	5			
LMSZZ 75200 - RE10	150	Servo Motor RE10	5	200 x 75	AB - LMS 75200	BP - LMS 75200
LMSZZ 75200 - RE25		Servo Motor RE25	5			
LMSZZ 100100 - RE10	50	Servo Motor RE10	5	100 x 100	AB - LMS 100100	BP - LMS 100100
LMSZZ 100100 - RE25		Servo Motor RE25	5			
LMSZZ 100150 - RE10	100	Servo Motor RE10	5	150 x 100	AB - LMS 100150	BP - LMS 100150
LMSZZ 100150 - RE25		Servo Motor RE25	5			
LMSZZ 100200 - RE10	150	Servo Motor RE10	5	200 x 100	AB - LMS 100200	BP - LMS 100200
LMSZZ 100200 - RE25		Servo Motor RE25	5			
LMSZZ 150150 - RE10	100	Servo Motor RE10	5	150 x 150	AB - LMS 150150	BP - LMS 150150
LMSZZ 150150 - RE25		Servo Motor RE25	5			
LMSZZ 150200 - RE10	150	Servo Motor RE10	5	200 x 150	AB - LMS 150200	BP - LMS 150200
LMSZZ 150200 - RE25		Servo Motor RE25	5			
LMSZZ 200200 - RE10	150	Servo Motor RE10	5	200 x 200	AB - LMS 200200	BP - LMS 200200
LMSZZ 200200 - RE25		Servo Motor RE25	5			

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OPTION-1 Servo Motor RE10

Linear Accuracy : 0.002mm,
Resolution : 0.0005mm
Speed : 50mm/sec Max.

OPTION-2 Servo Motor - RE25

Linear Accuracy : 0.0004mm,
Resolution : 0.0001mm
Speed : 40mm/sec Max.