

## MS65 Miniature Linear Actuator

- Compact design.
- Thrust to 65 lbf (290 N) and speeds up to 10 in/sec (254 mm/sec).
- Incremental stroke availability up to 5.9 in (150 mm).
- Available with ACME or Ball screws in a variety of leads to match your application.
- Optional tooling plate with ball slide.
- Available with Servo motors.
- Optional Hall Effect magnetic limit switches (NPN or PNP).



MS65 with optional tooling plate

The MS65 Linear Actuator is perfect in applications where space is a premium. Its compact design makes it ideal for medical and semi-conductor equipment. With thrust up to 65 lbf (290 N) and speeds to 10 in/sec (254 mm/sec), it makes the perfect choice for a variety of applications. Availability of Brushless Servomotor allows for easy integration with your overall machine control. The actuator comes standard with a female threaded insert at the rod end or an optional ball slide mounted tooling plate as shown above.

General Capabilities								1:1 Timing Ratio Performance Data							
Max Stroke		Available Screws		Max Design Thrust		Max Design Speed		Screw Type	Thrust		Speed		Tested Motor	Torque	
in.	mm	Acme	Ball	lb. Force	N	in/sec	mm/sec		lb. Force	N	in/sec	mm/sec		oz.-in.	NM
5.9	150	A2, A4	MB1	65	290	10	254	A4	65	290	10	254	AC Servo	9	63.7
		A16, A20						A16	65	290	10	254			

### Mounting Options

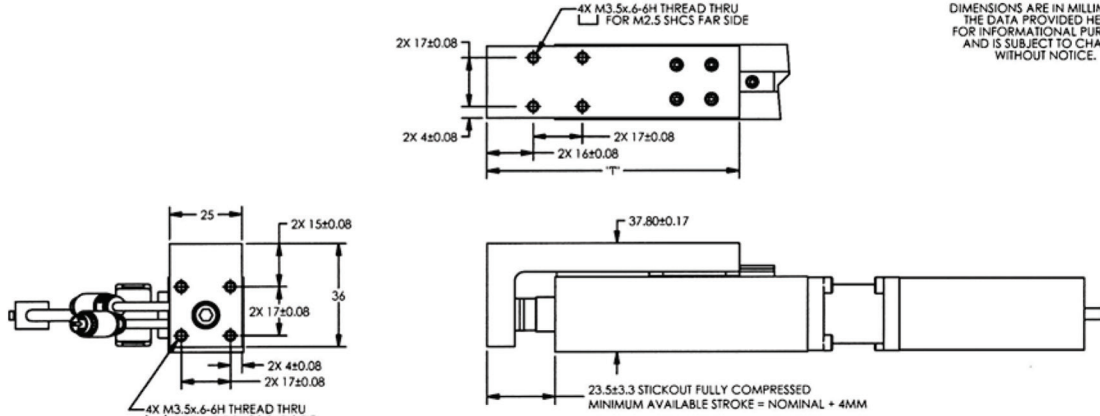
BCR - Rear Clevis  
 BPR - Rear Base Plate  
 BCF - Front Clevis  
 RCF - Front Bearing Rod Clevis

FTF - Female Threaded Stud  
 TPF - Tooling Plate (Ball Slide)

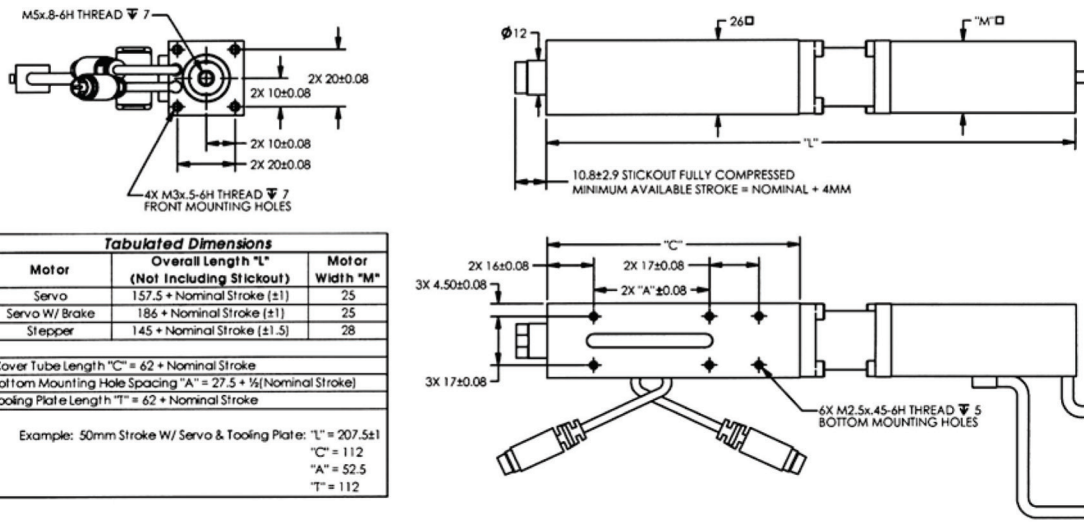
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ABOVE VIEWS SHOWN WITH  
OPTIONAL TOOLING PLATE



Tabulated Dimensions		
Motor	Overall Length "L" (Not Including Stickout)	Motor Width "M"
Servo	157.5 + Nominal Stroke (±1)	25
Servo W/ Brake	186 + Nominal Stroke (±1)	25
Stepper	145 + Nominal Stroke (±1.5)	28
Cover Tube Length "C" = 62 + Nominal Stroke		
Bottom Mounting Hole Spacing "A" = 27.5 + 1/2(Nominal Stroke)		
Tooling Plate Length "T" = 62 + Nominal Stroke		
Example: 50mm Stroke W/ Servo & Tooling Plate: "L" = 207.5±1		
"C" = 112		
"A" = 52.5		
"T" = 112		

### MS65 Brushless Servomotor Thrust (NM)

