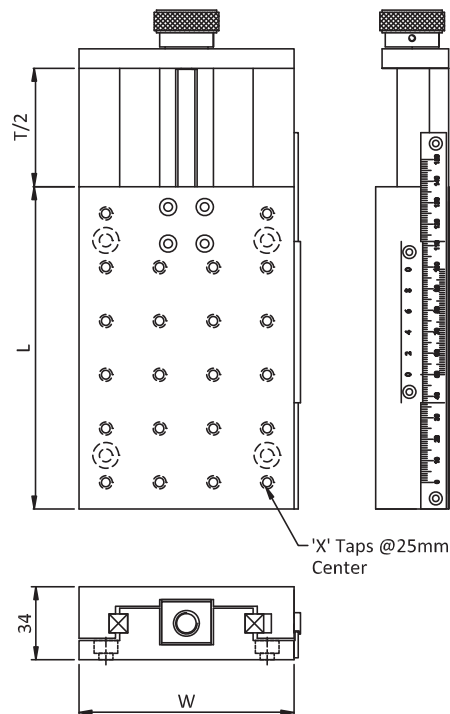


## MLS Series Translation Stages

Travel: 25 to 150 mm  
Carriage width : 65mm to 200mm  
Load Capacity :5-35kg vertical  
Leadscrew: 1mm pitch/9mm pitch  
Lock : Can be locked at desired position



- ▶ Straight line accuracy :  $\pm 10 \mu\text{m}$  for total travel length
- ▶ Vernier Readout : 0.1mm
- ▶ Guide way : Precision ball slide
- ▶ Drive : Precision lead screw
- ▶ Construction : Aluminium alloy B51S
- ▶ Finish : Black anodized
- ▶ Tapped Holes on Carriage : M6 tapped holes
- ▶ Mounting Holes on the base : M6 tap and M4 CBR
- ▶ Design : Modular type
- ▶ Configuration : Multi axis

### Drive Details



#### 1mm Pitch Lead screw

Pitch : 1mm  
Lead screw Type : Ground  
Linear Resolution : 1mm/rotation  
Positioning Accuracy : 10  $\mu\text{m}$   
Repeatability : 10  $\mu\text{m}$   
Readout : 0.1mm Vernier  
Feature : Fine controlled motion with 1mm pitch lead screw

#### 9mm Pitch Lead screw

Pitch : 9mm  
Lead screw Type : Ground  
Linear Resolution : 9mm/rotation  
Positioning Accuracy : 100  $\mu\text{m}$   
Repeatability : 200  $\mu\text{m}$   
Readout : 0.1mm vernier  
Feature : Coarse motion with 9mm pitch lead screw

1 mm Pitch Lead Screw	Load Capacity Vertical(X Axis)	9mm Pitch Lead Screw	Load Capacity Vertical(X Axis)	Travel	Dimensions			
Model No:	Kg	Model No:	Kg	T	W	L	T/2	X
MLS-6565-1	6	MLS-6565-9	6	25	65	65	12.5	M4
MLS-7575-1	8	MLS-7575-9	7	35	75	75	17.5	M4
MLS-75100-1	15	MLS-75100-9	12	50	75	100	25	M4
MLS-75150-1	25	MLS-75150-9	22	100	75	150	50	M4
MLS-75200-1	28	MLS-75200-9	24	150	75	200	75	M4
MLS-100100-1	20	MLS-100100-9	15	50	100	100	25	M6
MLS-100150-1	25	MLS-100150-9	20	100	100	150	50	M6
MLS-100200-1	28	MLS-100200-9	24	150	100	200	75	M6
MLS-150150-1	25	MLS-150150-9	22	100	150	150	50	M6
MLS-150200-1	35	MLS-150200-9	30	150	150	200	75	M6
MLS-200200-1	35	MLS-200200-9	30	150	200	200	75	M6



#### Angle Bracket :

Angle bracket can be used for assembling Z-axis stages. Horizontally fixed height platforms can be constructed by combining two angle brackets.

#### Base plates :

Base plates can be used for mounting translation stages to breadboards and tables conveniently.