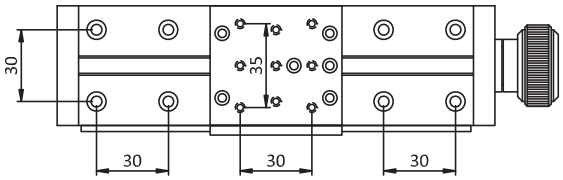
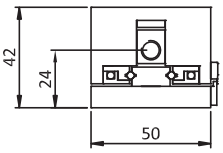
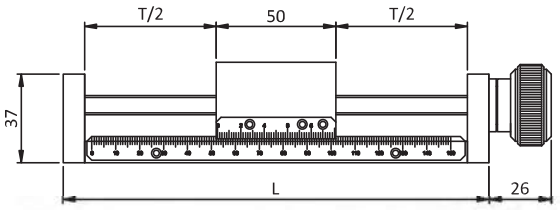
LTTS50 Series

Travel : 50 to 150 mm
Carriage Size : 50mm X 50mm
Load Capacity :2kg vertical on X Axis
Leadscrew : 1mm pitch/9mm pitch



Engraved vernier scales are provided with all LTTS series translation stages.





- Straight line accuracy : ±5 µm over 25mm travel
- Vernier readout : 0.1mm
- Guide way : Precision recirculating Guide way
- Drive : Precision lead screw
- Construction : Aluminium alloy B51S
- Finish : Black anodized
- Tapped holes on carriage : M4 tapped holes
- Mounting holes on the base : M6 tap and M4 CBR
- Design : Modular type
- Configuration : Multi Axis Configuration

Drive Details

1mm Pitch Lead screw

Pitch : 1mm
Lead screw type : Ground
Linear resolution : 1mm/rotation
Positioning accuracy :10 µm
Readout : 0.1mm precision 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 µm
Readout : 0.1mm precision vernier
Feature : Coarse movement with 9mm pitch lead screw

1mm Pitch Lead screw	Load Capacity Vertical(X Axis)	Load Capacity Vertical(Z Axis)	9mm Pitch Lead screw	Load Capacity Vertical(X Axis)	Load Capacity Vertical(Z Axis)	Travel	Length
Model No.	Kg	Kg	Model No.	Kg	Kg	T	L
LTTS50-50	2	1	LTTS50-50Z	2	1	50	155
LTTS50-75	2	1	LTTS50-75Z	2	1	75	180
LTTS50-100	2	1	LTTS50-100Z	2	1	100	205
LTTS50-150	2	1	LTTS50-150Z	2	1	150	280

Accessories		
Vertical Bracket	Horizontal Bracket	Base Plate
VAB-LTTS50-50	HAB-LTTS-50 Size : 50x50mm	BP-LTTS50-50
VAB-LTTS50-75		BP-LTTS50-75
VAB-LTTS50-100		BP-LTTS50-100
VAB-LTTS50-150		BP-LTTS50-150

◄ Angle Brackets :
It is used to transform horizontal translators into vertical ones. 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.