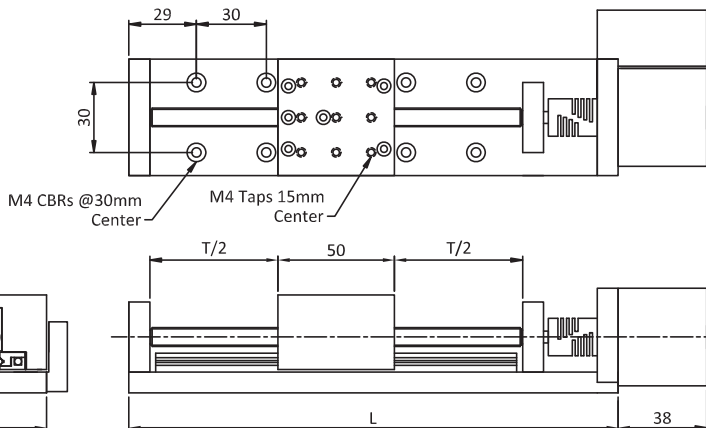
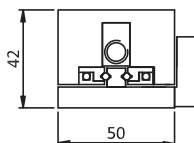


RCMTS-50 Series

These stages use re-circulating type ball bearing guideway along with a leadscrew positioned above the guideway as shown in the drawing. This configuration helps to keep the footprint as minimum as possible. In this case, width of the stage is could be reduced to 50 mm. Construction is in aluminum alloy with black anodized finish.

There are two options for leadscrew pitch, 1mm and 9mm. For those applications where greater speed is required, 9mm pitch leadscrew can be considered.

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



- ▶ Straight line Accuracy : 20 Micron
- ▶ 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

Drive Details



1mm Pitch Ground Lead Screw

Positioning Accuracy : 0.025mm
Repeatability : 0.025mm
Resolution : 0.0003125
(in Micro Step Mode)

4mm Pitch Lead screw

Positioning Accuracy : 0.1mm
Repeatability : 0.1mm
Resolution : 0.010
(in Micro Step Mode)

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
RCMTS50-50-1	2	1	RCMTS50-50-2	2	1	50	155
RCMTS50-75-1	2	1	RCMTS50-75-2	2	1	75	180
RCMTS50-100-1	2	1	RCMTS50-100-2	2	1	100	205
RCMTS50-150-1	2	1	RCMTS50-150-2	2	1	150	280

Accessories

Vertical Bracket	Horizontal Bracket	Base Plate
VAB-RCMTS50-50		BP-RCMTS50-50
VAB-RCMTS50-75	HAB-RCMTS-50	BP-RCMTS50-75
VAB-RCMTS50-100	Size : 50x50mm	BP-RCMTS50-100
VAB-RCMTS50-150		BP-RCMTS50-150

◀ **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.