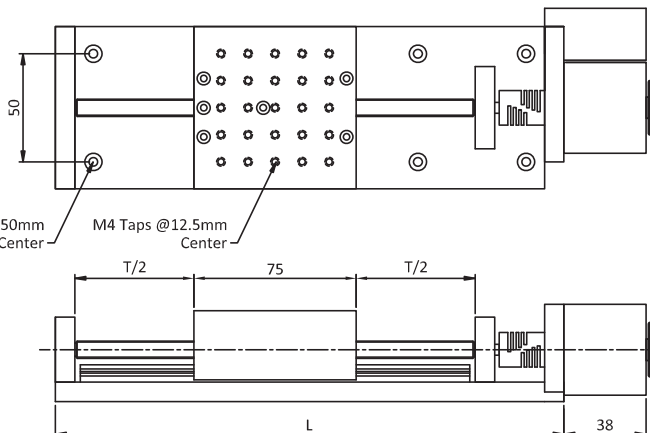
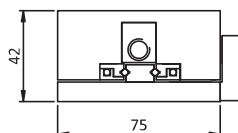


## RCMITS-75 Series

RCMITS-75 series are light duty stages with respect to load capacity. Point contact ball bearing guides are used in these stages to keep height of the stage at 42 mm which is height of the drive motor. Bellows are provided for the protection of the stage from dust as well as to protect the environment from the accidental contamination from grease used in the guideways and leadscrew drives. Standard stages are fixed with stepper motors.

There are two models from choose from, stages with 1 mm pitch leadscrew (low speed) and stages with 9 mm pitch leadscrew (high speed).



**Travel: 50 to 250 mm**  
**Carriage Size : 75mm X 250mm**  
**Load Capacity :5kg vertical on X Axis**  
**Leadscrew: 1mm pitch/9mm pitch**  
**Lock : Can be Locked at desired position**

Controller sold separately  
please refer page 183



RCMITS-75 Series in  
XY Configuration

- ▶ 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)	4mm 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
RCMITS75-50	2	1	RCMITS75-50-Z	2	1	50	155
RCMITS75-100	2	1	RCMITS75-100-Z	2	1	100	205
RCMITS75-150	2	1	RCMITS75-150-Z	2	1	150	280
RCMITS75-200	2	1	RCMITS75-200-Z	2	1	150	280
RCMITS75-250	2	1	RCMITS75-250-Z	2	1	150	280

#### Accessories

Vertical Bracket	Horizontal Bracket	Base Plate
VAB-RCMITS75-50		BP-RCMITS75-50
VAB-RCMITS75-100	HAB-RCMITS-75	BP-RCMITS75-100
VAB-RCMITS75-150	Size : 75x75mm	BP-RCMITS75-150
VAB-RCMITS75-200		BP-RCMITS75-200
VAB-RCMITS75-250		BP-RCMITS75-250

**◀ 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.

