

## TSB-V Series: Low vacuum translation stages



- Low vacuum compatible to 10^-3 torr
- 28 and 60 mm travel
- 10 kg load capacity
- Requires a T-NA-SV1 actuator to drive it

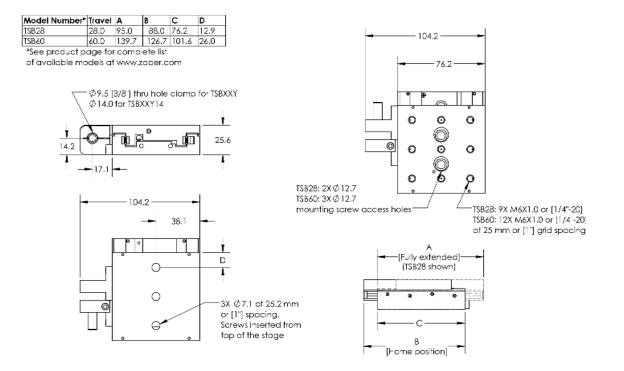
## **Product Description**

Zaber's TSB-V Series of translation stages are ball bearing linear stages with 28mm or 60mm of travel. They are compatible with our low vacuum T-NA-SV1 series miniature linear actuators and can be used in x-y stage configuration.

These vacuum compatible translation stages use vacuum compatible greases and epoxies and non-anodized components. These translation stages have been used successfully in vacuum applications down to 10-6 Torr.



## **Dimension Drawings**



## **Product Specifications**

Specification	Value	Alternate Unit
Maximum Centered Load	100 N	22.4 lb
Maximum Cantilever Load	125 N-cm	177.0 oz-in
Guide Type	Ball bearing	
Motor Type	None	
Axes of Motion	1	
Vacuum Compatible	Yes	
Compatible Products	T-NA, T-LA	
Operating Temperature Range	0 to 75 degrees C	
Stage Parallelism	$< 100 \ \mu m$	< 0.003937 "
RoHS Compliant	Yes	
CE Compliant	Yes	

Part Number	Travel Range	Mounting Interface	Weight
TSB28E-V	28 mm (1.102 ")	1/4-20 threaded holes	0.47 kg
TSB28M-V	28 mm (1.102 ")	M6 threaded holes	0.47 kg
TSB60E-V	60 mm (2.362 ")	1/4-20 threaded holes	0.56 kg
TSB60M-V	60 mm (2.362 ")	M6 threaded holes	0.56 kg