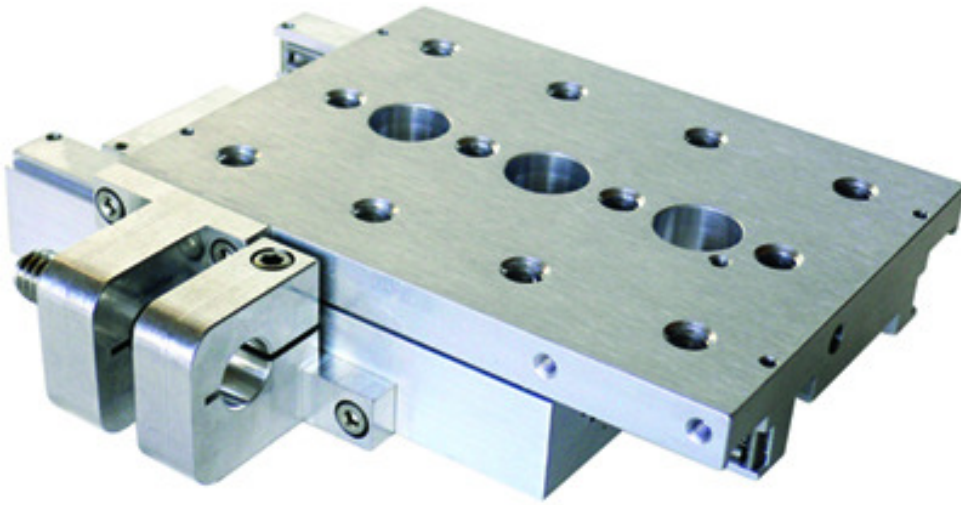


TSB-V Series: Low vacuum translation stages



- 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.

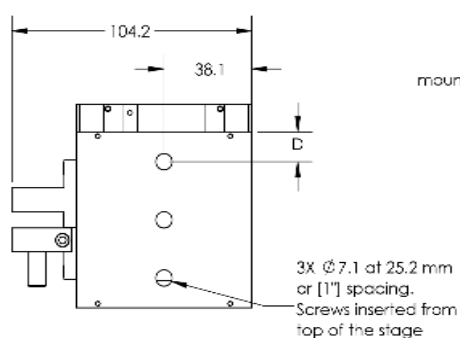
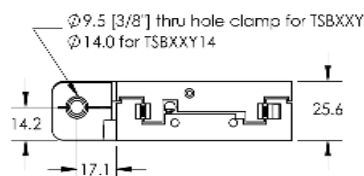
These vacuum compatible translation stages use vacuum compatible greases and epoxies and non-anodized components. These translation stages have been used successfully in vacuum applications down to 10^{-6} Torr.

Dimension Drawings

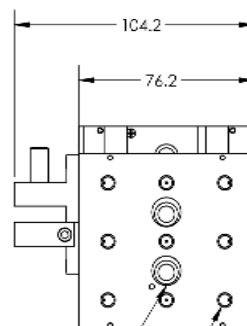
(shown in home position)

Model Number*	Travel	A	B	C	D
TSB28	28.0	92.4	88.0	76.2	12.9
TSB60	60.0	137.0	126.2	101.6	25.2

*See product page for complete list of available models at www.zaber.com

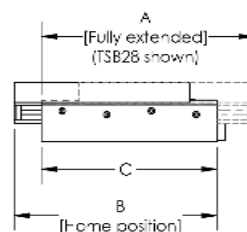


(shown in home position)



TSB28: 2X Ø 12.7
TSB60: 3X Ø 12.7
mounting screw access holes

TSB28: 9X M6X1.0 or [1/4"-20]
TSB60: 12X M6X1.0 or [1/4"-20]
at 25 mm or [1"] grid spacing



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	
Operating Temperature Range	0 to 75 degrees C	
Stage Parallelism	< 100 µm	< 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