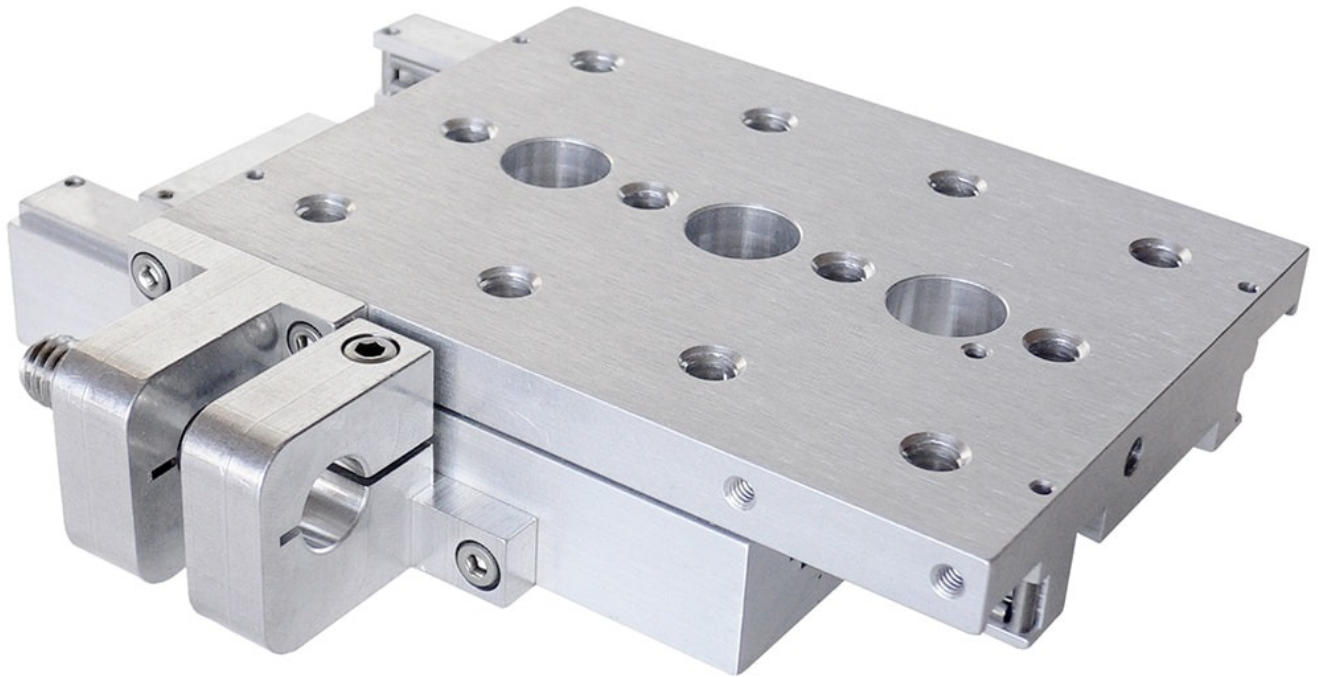


TSB-V Series Datasheet



- Vacuum compatible to 10⁻³ Torr
- 28 and 60 mm travel
- 10 kg load capacity
- Requires a T-NA-SV1 actuator to drive it

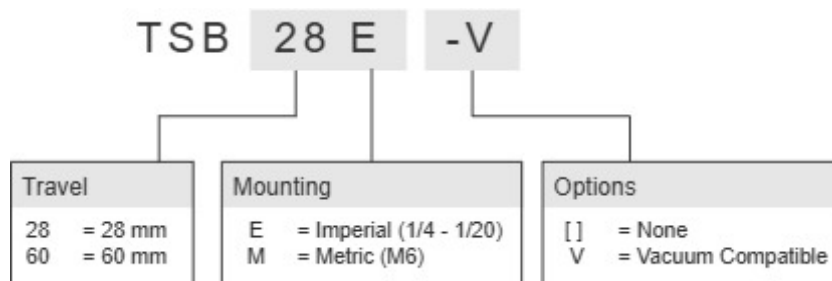
TSB-V Series Overview

Zaber's TSB-V Series of translation stages are ball bearing linear stages with 28 mm or 60 mm 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.

For more information visit: <https://www.zaber.com/products/vacuum-compatible-stages/TSB-V>

TSB-V Series Part Numbering & Options



TSB-V Series Drawings

- [TSB-V.png \(Drawing for the TSB-V\)](#)

TSB-V Series Specifications

AutoDetect	
Maximum Centered Load	100 N (22.4 lb)
Maximum Moment (Pitch)	40 N-cm (56.6 oz-in)
Maximum Moment (Roll)	125 N-cm (177.0 oz-in)
Maximum Moment (Yaw)	40 N-cm (56.6 oz-in)
Motor Type	No
Guide Type	Ball bearing
Axes of Motion	1
Stage Parallelism	< 100 µm (< 0.003937")
Operating Temperature Range	0 to 75 °C
CE Compliant	Yes
Vacuum Compatible	Low vacuum (10-3 Torr)

Part Number	Travel Range	Mounting Interface	Weight
TSB28E-V	28 mm (1.102")	1/4-20 threaded holes	0.47 kg (1.036 lb)
TSB28M-V	28 mm (1.102")	M6 threaded holes	0.47 kg (1.036 lb)
TSB60E-V	60 mm (2.362")	1/4-20 threaded holes	0.56 kg (1.235 lb)
TSB60M-V	60 mm (2.362")	M6 threaded holes	0.56 kg (1.235 lb)

Contact

Email: contact@zaber.com

Phone (toll free Canada/USA): 1-888-276-8033

Phone (direct): 1-604-569-3780

Fax: 1-604-648-8033

Zaber Technologies Inc.

#2 - 605 West Kent Ave. N.

Vancouver, British Columbia

Canada, V6P 6T7

<https://www.zaber.com>