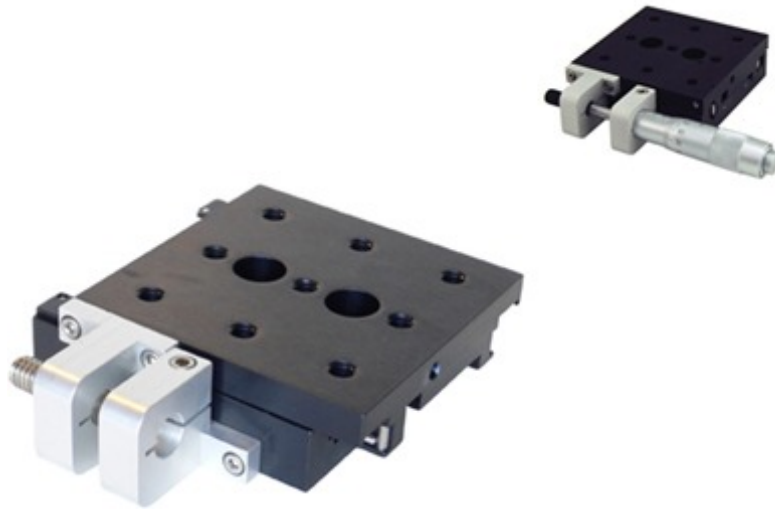


TSB Series Datasheet



- 25, 28, 50 and 60 mm travel
- 10 kg load capacity
- Available with a micrometer head
- Stages without a manual micrometer require a X-NA, T-NA08, T-LA, or an NA11

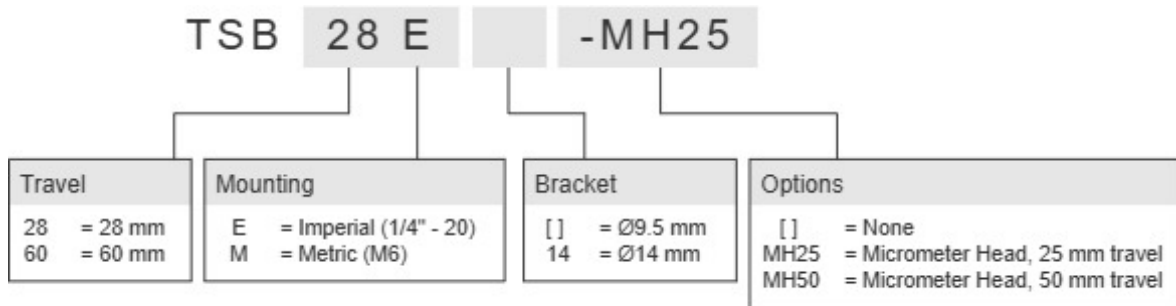
TSB Series Overview

Zaber's TSB Series of translation stages are ball bearing linear stages with 28 mm or 60 mm of travel. They are compatible with our X-NA and T-NA Series micro linear actuators, T-LA Series miniature linear actuators, and our NA11 Series stepper linear actuators and can be used in XY stage configuration.

The versions with manual micrometer heads have 25 mm or 50 mm of travel and 0.01 mm resolution. They can also be mounted directly in XY configuration or XYZ configuration with an AB90E (imperial) angle bracket or an AB90M (metric) angle bracket.

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

TSB Series Part Numbering & Options



TSB Series Drawings

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

TSB Series Specifications

Microstep Size (Default Resolution)	10 μm
AutoDetect	No
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	No

Part Number	Travel Range	Mounting Interface	Weight
TSB28E	28 mm (1.102")	1/4-20 threaded holes	0.47 kg (1.036 lb)
TSB28M	28 mm (1.102")	M6 threaded holes	0.47 kg (1.036 lb)
TSB60E	60 mm (2.362")	1/4-20 threaded holes	0.56 kg (1.235 lb)
TSB60M	60 mm (2.362")	M6 threaded holes	0.56 kg (1.235 lb)
TSB28E14	28 mm (1.102")	1/4-20 threaded holes	0.47 kg (1.036 lb)
TSB28M14	28 mm (1.102")	M6 threaded holes	0.47 kg (1.036 lb)
TSB60E14	60 mm (2.362")	1/4-20 threaded holes	0.56 kg (1.235 lb)
TSB60M14	60 mm (2.362")	M6 threaded holes	0.56 kg (1.235 lb)
TSB28E-MH25	25 mm (0.984")	1/4-20 threaded holes	0.48 kg (1.058 lb)
TSB28M-MH25	25 mm (0.984")	M6 threaded holes	0.48 kg (1.058 lb)
TSB60E-MH50	50 mm (1.969")	1/4-20 threaded holes	0.72 kg (1.587 lb)
TSB60M-MH50	50 mm (1.969")	M6 threaded holes	0.72 kg (1.587 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>