

TSB60M-V 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

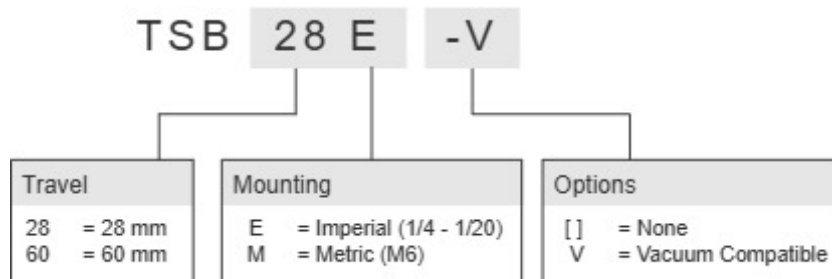
TSB-V Series Overview

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



TSB60M-V Drawings

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

TSB60M-V Specifications

| AutoDetect | |
|-----------------------------|-----------------------------|
| Travel Range | 60 mm (2.362") |
| 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 |
| Mounting Interface | M6 threaded holes |
| Stage Parallelism | < 100 μ m (< 0.003937") |
| Operating Temperature Range | 0 to 75 °C |
| CE Compliant | Yes |
| Vacuum Compatible | Low vacuum (10-3 Torr) |
| Weight | 0.56 kg (1.235 lb) |

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