

TSB-V Series User's Manual

Low vacuum translation stages



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Custom products are any part numbers containing the suffix ENG followed by a 4 digit number. Each of these products has been designed for a custom application for a particular customer. Custom products are guaranteed for one year, unless explicitly stated otherwise. During this period Zaber will repair any products with faults due to manufacturing defects, free of charge.

How to return products

Customers with devices in need of return or repair should contact Zaber to obtain an RMA form which must be filled out and sent back to us to receive an RMA number. The RMA form contains instructions for packing and returning the device. The specified RMA number must be included on the shipment to ensure timely processing.

Email Updates

If you would like to receive our periodic email newsletter including product updates and promotions.

Contact Information

Contact Zaber Technologies Inc by any of the following methods:

Phone	1-604-569-3780 (direct) 1-888-276-8033 (toll free in North America)
Fax	1-604-648-8033
Mail	#2 - 605 West Kent Ave. N., Vancouver, British Columbia, Canada, V6P 6T7
Web	www.zaber.com
Email	Please visit our website for up to date email contact information.

The original instructions for this product are available at <https://www.zaber.com/manuals/TSB>.

Product Drawing

[Drawing for the TSB-V](#)

Specifications

Specification	Value	Alternate Unit
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	None	
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)	

Comparison

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)

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