

**TECHSPEC® Linear Bearing Bushings (2pk)**



#85-686

Stock **#85-686 4 In Stock**

⊖ 1 ⊕ **\$\$123<sup>00</sup>**

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Volume Pricing	
Qty 1+	<b>\$\$123.20</b> each
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Product Downloads

**Regulatory Compliance**

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
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**Product Details**

- Compact Design with Built-In Translation Assembly

- Configurable for 1/2" or 1" Travel
- [Accepts Micrometers with 3/8" Shank](#)
- [Step-by-Step Assembly Instructions Available](#)

TECHSPEC® Cage System Linear Translation Assemblies are used to add linear translation to a TECHSPEC Optical Cage System setup. The built-in translation assembly enables coarse positioning along the cage rods. Once fixed to the cage rods, fine translation can be done using a micrometer drive. By adding additional springs and replacing the 3mm x 50mm rods ([#85-470](#)) with two 3mm x 75mm ([#86-847](#), sold separately), the 1/2" standard travel can be extended to 1". TECHSPEC Cage System Linear Translation Assemblies are available in two options: simple translation utilizes 6mm rods and standard plates, while ball bearing translation utilizes ball bearing slides for low-friction translation.

**Note:** [Micrometer/drive mechanism](#) and [6mm Support Rods](#) sold separately.

## Technical Information

Description	Quantity	Feature	Stock No.
Micrometer Mount Kit	1 Required	Micrometer Holder	<a href="#">#85-618</a>
		Protective Steel Plate	
		<a href="#">#86-838</a> Compression Springs (2pk)	
25mm Standard Cage Plate, M6	2 Required*	One plate is used for travel and second plate is fixed	<a href="#">#85-632</a>
30mm Standard Cage Plate, M6			<a href="#">#85-630</a>
25mm Standard Cage Plate, 1/4-20			<a href="#">#85-633</a>
30mm Standard Cage Plate, 1/4-20			<a href="#">#85-631</a>
Micrometer or Actuator	1 Required	Choose based on type, travel, and graduation	<a href="#">Customer Selected</a>
Shaft Collar (2pk)	1 Optional	Can be used instead of a fixed plate	<a href="#">#86-845</a>
Compression Springs (2pk)	1 Optional	Used to extend travel range to 1"	<a href="#">#86-838</a>

\*Note: Only 1 required if Shaft Collars are used.

Description	Quantity	Feature	Stock No.
Translation Assembly Kit	1 Required	<a href="#">#85-618</a> Micrometer Mount Kit	<a href="#">#86-847</a>
		<a href="#">#85-620</a> Travel Bearing Plate	
		<a href="#">#85-619</a> Fixed Bearing Plate	
		<a href="#">#85-686</a> Linear Bearing Bushings (2pk)	
		<a href="#">#85-471</a> 3mm Dia x 75mm Length Rod (x2)	
Micrometer or Actuator	1 Required	Choose based on type, travel, and graduation	<a href="#">Customer Selected</a>
Compression Springs (2pk)	1 Optional	Used to extend travel range to 1"	<a href="#">#86-838</a>

Type	Travel	Graduation	Stock No.
Micrometer Drive	0.5"	0.001"	<a href="#">#58-660</a>
Micrometer Drive	25mm	0.01mm	<a href="#">#58-663</a>