

TECHSPEC® Linear Bearing Bushings (2pk)



#85-686

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

1 £70⁴⁰

ADD TO CART

Volume Pricing	
Qty 1+	£70.40 each
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Product Downloads

Regulatory Compliance

RoHS 2015:

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Product Details

- Compact Design with Built-In Translation Assembly
- Configurable for ½" 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 ½" 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	#85-618
		Protective Steel Plate	
		#86-838 Compression Springs (2pk)	
25mm Standard Cage Plate, M6	2 Required*	One plate is used for travel and second plate is fixed	#85-632
30mm Standard Cage Plate, M6			#85-630
25mm Standard Cage Plate, ¼-20			#85-633
30mm Standard Cage Plate, ¼-20			#85-631
Micrometer or Actuator	1 Required	Choose based on type, travel, and graduation	Customer Selected
Shaft Collar (2pk)	1 Optional	Can be used instead of a fixed plate	#86-845
Compression Springs (2pk)	1 Optional	Used to extend travel range to 1"	#86-838

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

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

Type	Travel	Graduation	Stock No.
Micrometer Drive	0.5"	0.001"	#58-660
Micrometer Drive	25mm	0.01mm	#58-663