

70mm Precision Stage, Metric Dovetail Carrier



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Stock **#12-511** 20+ In Stock

-

1

+

£121⁰⁰

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Volume Pricing	
Qty 1-9	£121.60 each
Qty 10+	£107.84 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Metric	Type:
Carrier	Note:
Physical & Mechanical Properties	
Linear (X)	Type of Movement:

	Guide System:
Dovetail	
	Length (inches):
2.76	
	Length (mm):
70.00	
	Construction:
Black Anodized Aluminum	

Hardware & Interface Connectivity

	Type of Drive:
Manual	

Threading & Mounting

	Mounting Threads:
(4) M3 x 0.5, (8) M2 x 0.4, (9) M6 x 1.0	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	REACH 241:
Compliant	

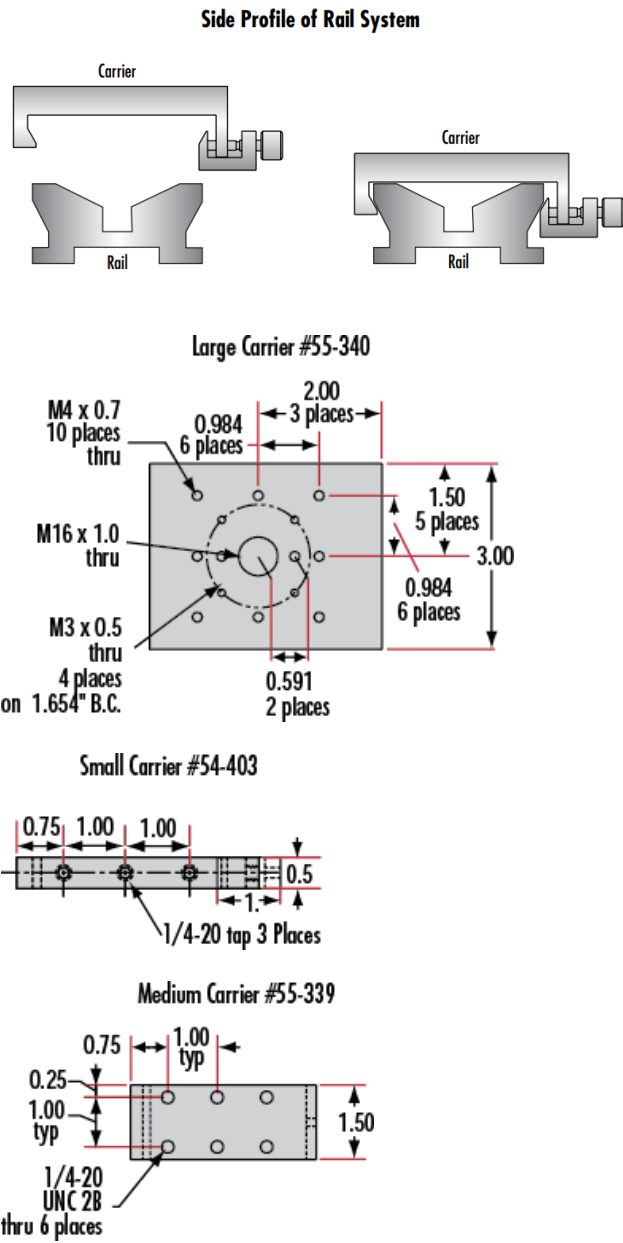
Product Details

- Wide Range of Carrier Length and Mounting Hole Options Available
- Low Profile Design with Smooth Movement
- Increased Stability and <1mrad Straight Line Accuracy

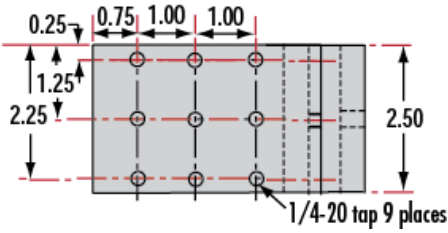
Dovetail Optical Rail Systems are designed for easy and stable installation and positioning of various optical components along the same axis. The rails feature slotted holes that allow them to be fixed to standard 1/4-20 TPI and M6 breadboards or optical tables. Carriers are available with different lengths and hole patterns to meet various mounting needs including options that are directly compatible with our [TECHSPEC® Manual Stages](#) for precision alignment. Carriers utilize a unique two-piece design to prevent the locking screws from contacting the rail and to allow easy attachment and removal. All Dovetail Optical Rail System parts are constructed of black anodized aluminum to minimize stray reflections or glare.

Note: Rails and carriers are sold separately.

Technical Information



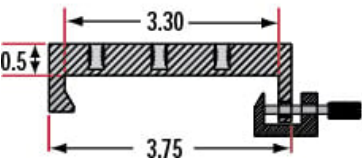
Large Carrier #55-404



Medium Carrier #55-341



Common Side Profile



Stock No.	L	A	B	C	D	# Slots	# C'bores
#54-401	12	6	4	—	—	3	—
#54-402	36	18	16	4	6	5	2

Dovetail Optical Rail

Technical drawing of the Dovetail Optical Rail. The drawing shows a side view of the component with dimensions A, B, C, D, and L. The overall width is 3.30 inches. The overall height is 0.5 inches. The distance from the top edge to the center of the central hole is 1.50 inches. The distance from the bottom edge to the center of the central hole is 0.75 inches. The distance from the left edge to the center of the central hole is 0.75 inches. The distance from the right edge to the center of the central hole is 0.75 inches. The distance from the top edge to the center of the central hole is 2.30 inches. The distance from the bottom edge to the center of the central hole is 1.70 inches. The distance from the left edge to the center of the central hole is 1.70 inches. The distance from the right edge to the center of the central hole is 1.70 inches. The distance from the top edge to the center of the central hole is 0.40 inches. The distance from the bottom edge to the center of the central hole is 1.25 inches. The distance from the left edge to the center of the central hole is 0.25 inches. The distance from the right edge to the center of the central hole is 0.25 inches. The text "C'bore for 1/4 S.H.C.S." and "Slots for 1/4 S.H.C.S." indicate the hole specifications.

Units: inches