

30mm Precision Stage, Metric Dovetail Carrier



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Stock **#12-507** **9 In Stock**

-

1

+

£95²⁰

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Volume Pricing	
Qty 1-9	£95.20 each
Qty 10+	£84.08 each
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Product Downloads

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

	Guide System:
Dovetail	
	Length (inches):
1.18	
	Length (mm):
30.00	
	Construction:
Black Anodized Aluminum	

Hardware & Interface Connectivity

	Type of Drive:
Manual	

Threading & Mounting

	Mounting Threads:
(8) M2 x 0.4, (1) 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

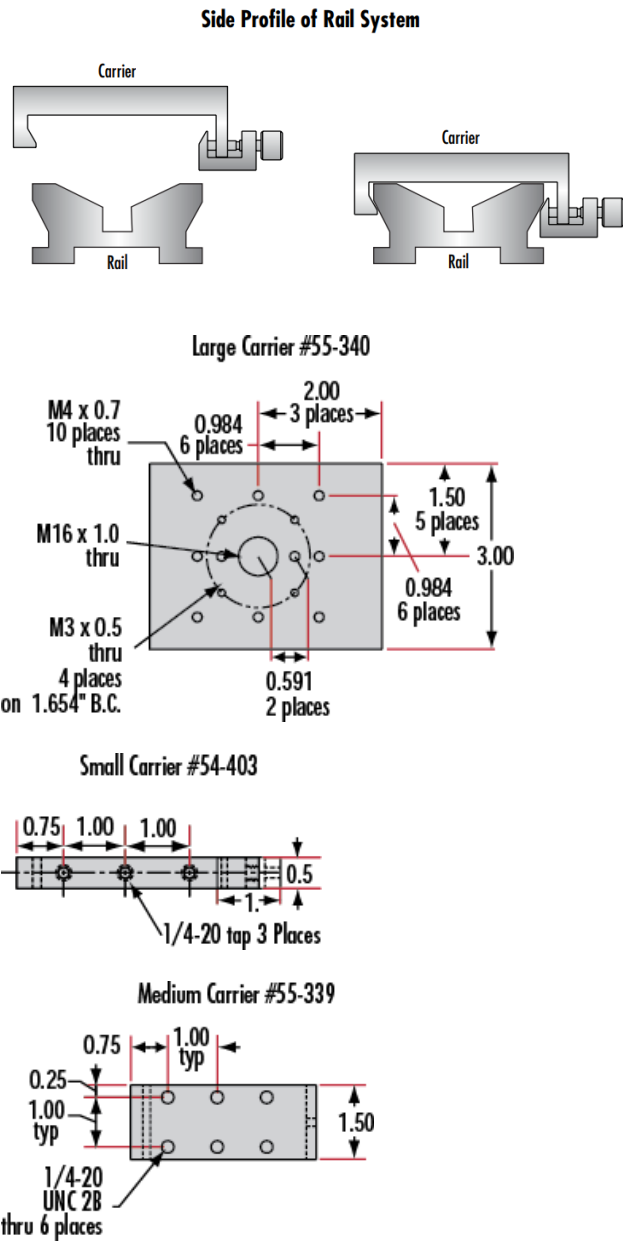
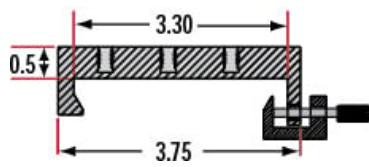


Figure 10: Detail of reinforcement layout for the deck slab. The diagram shows a rectangular slab with dimensions 2.50m by 2.25m. Reinforcement bars are spaced at 0.25m, 0.75m, 1.00m, and 1.00m. A note indicates "1/4-20 top 9 places".

Technical drawing of a rectangular plate with the following specifications:

- Overall width: 1.75
- Overall height: 2.00
- Top hole: M2 x 0.4 thru 4 places
- Bottom hole: M3 x 0.5 thru 4 places
- Right hole: M16 x 1.0 thru
- Distance from top edge to top hole center: 1.00
- Distance from bottom edge to bottom hole center: 1.26 typ
- Distance from right edge to right hole center: 0.787 typ
- Distance between top and bottom hole centers: 0.787 typ
- Distance between bottom hole center and right hole center: 1.26 typ



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

The drawing illustrates the dimensions for a Dovetail Optical Rail. The top view shows a rectangular rail with a central slot. Key dimensions include:

- Top View:**
 - A:** Total length of the rail.
 - B:** Distance between the centers of the slots.
 - C:** Distance from the end of the rail to the center of the first slot.
 - D:** Distance between the centers of the slots (labeled as B in the diagram).
 - Slot Width:** 1.50 inches.
 - Slot Depth:** 2.30 inches.
 - Slot Spacing:** 1.70 inches.
 - End Flange Width:** 2.30 inches.
 - End Flange Depth:** 1.70 inches.
 - End Flange Thickness:** 0.40 inches.
- Side View:**
 - L:** Total length of the rail.
 - Slot Depth:** 0.75 inches.
 - Slot Width:** 1.25 inches.
 - Slot Spacing:** 1.50 inches.
 - Slot Depth:** 3.00 inches.
- Detail View:**
 - Slot Width:** 0.25 inches.
 - Slot Depth:** 0.75 inches.
 - Slot Spacing:** 1.50 inches.
 - Slot Depth:** 3.00 inches.

Units: inches