

30mm Precision Stage, English Dovetail Carrier



30mm Precision Stage, English Dovetail Carrier

Stock **#12-508** 11 In Stock

-

1

+

A\$190⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-9	A\$190.40 each
Qty 10+	A\$168.16 each
Need More?	Request Quote

Product Downloads

General	
English	Type:
Carrier	Note:
Physical & Mechanical Properties	
Linear (X)	Type of Movement:
	Guide System:

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

Hardware & Interface Connectivity

	Type of Drive:
Manual	

Threading & Mounting

	Mounting Threads:
(8) 2-56, (1) 1/4-20	

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

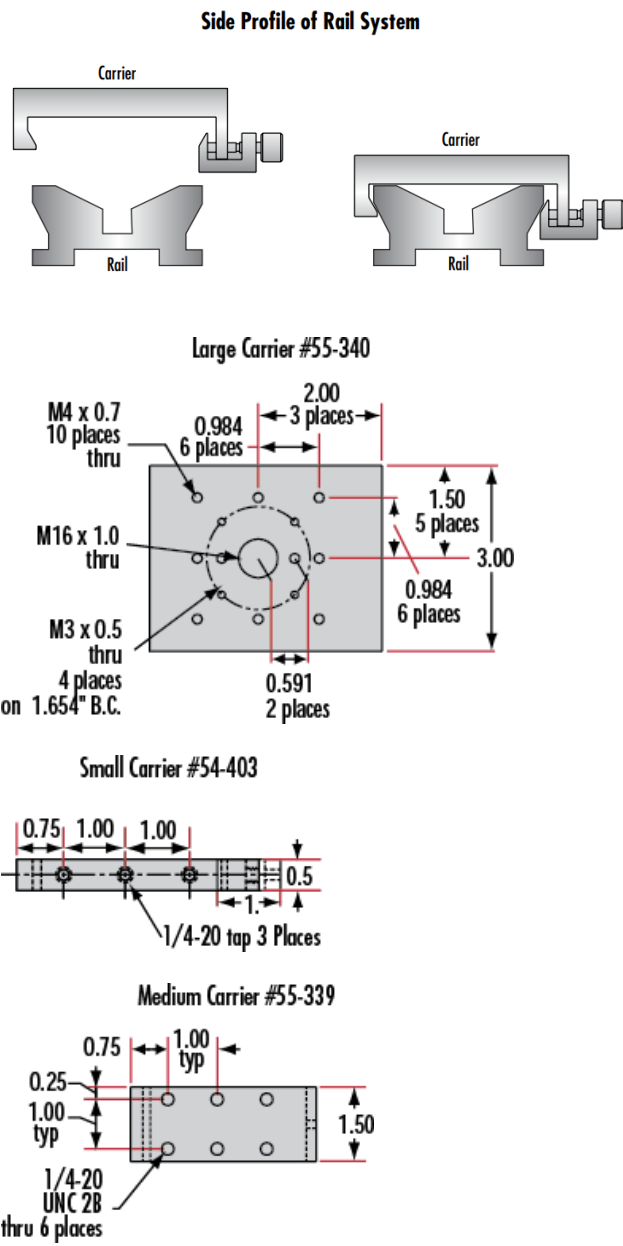
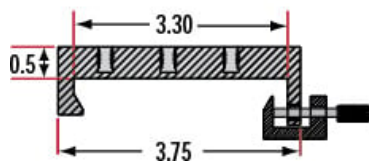


Figure 10: Detail of reinforcement layout for the deck slab. The diagram shows a rectangular slab with dimensions 2.50m by 2.25m. Reinforcement bars are spaced at 0.25m, 0.75m, 1.00m, and 1.00m. A note indicates "1/4-20 top 9 places".

Technical drawing of a rectangular plate with the following dimensions and specifications:

- Overall width: 1.75
- Overall height: 2.00
- Top edge hole: M2 x 0.4 thru 4 places
- Bottom edge hole: M3 x 0.5 thru 4 places
- Central hole: M16 x 1.0 thru
- Distance from top edge to center hole: 1.00
- Distance from bottom edge to center hole: 1.26 typ
- Distance from left edge to center hole: 0.787 typ
- Distance from right edge to center hole: 0.787 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:** 0.40 inches.
 - Slot Depth:** 0.25 inches.
 - Slot Spacing:** 1.70 inches between the centers of the slots.
 - End Spacing:** 2.30 inches from the end of the rail to the center of the first slot.
- Side View:**
 - L:** Total length of the rail.
 - Slot Depth:** 0.25 inches.
 - Slot Spacing:** 1.50 inches between the centers of the slots.
 - End Spacing:** 3.00 inches from the end of the rail to the center of the first slot.
- Detail View:**
 - Slot Width:** 0.25 inches.
 - Slot Depth:** 0.75 inches.

Units: inches