

## 70mm Precision Stage, Metric Dovetail Carrier



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

-

1

+

€152<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €152,00 each                  |
| Qty 10+        | €134,80 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ 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:                  |
| <a href="#">Compliant</a> |                             |
|                           | Certificate of Conformance: |
| <a href="#">View</a>      |                             |
|                           | REACH 241:                  |
| <a href="#">Compliant</a> |                             |

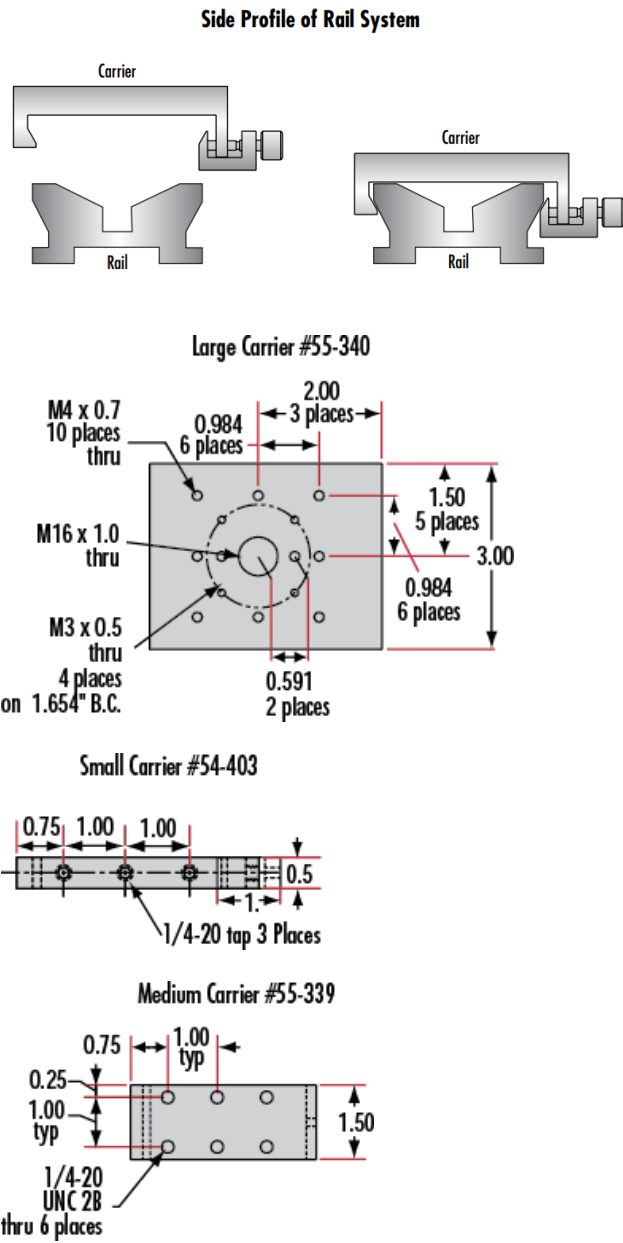
Product Details

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

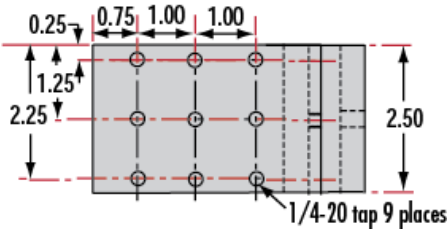
Dovetail Optical Rail Systems are designed for easy and stable installation and positioning of various optical components along the same axis. The rails feature slotted holes that allow them to be fixed to standard 1/4-20 TPI and M6 breadboards or optical tables. Carriers are available with different 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



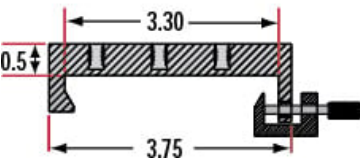
Large Carrier #55-404



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 a dovetail optical rail. The drawing shows a cross-section of a component with a central hole and two slots. The overall width is 3.00. The overall height is 1.50. The distance from the top edge to the first row of holes is 0.25. The distance from the bottom edge to the first row of holes is 0.75. The distance from the left edge to the first column of holes is 0.75. The distance from the right edge to the first column of holes is 0.75. The text 'C'bore for 1/4 S.H.C.S.' is located at the bottom left. The text 'Slots for 1/4 S.H.C.S.' is located at the bottom center. The text '1.25 (31.75)' is located at the bottom right.

Units: inches