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## Dovetail Optical Rail Systems



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

### Common Specifications

#### Physical & Mechanical Properties

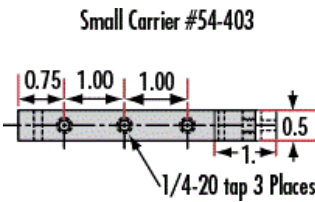
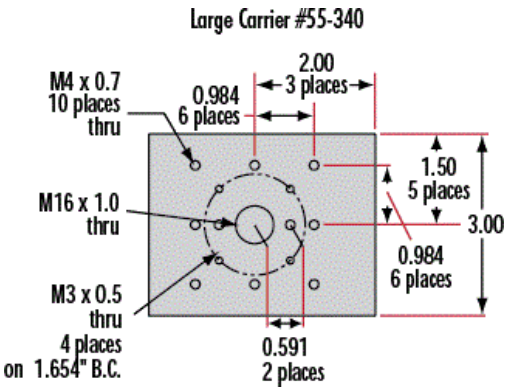
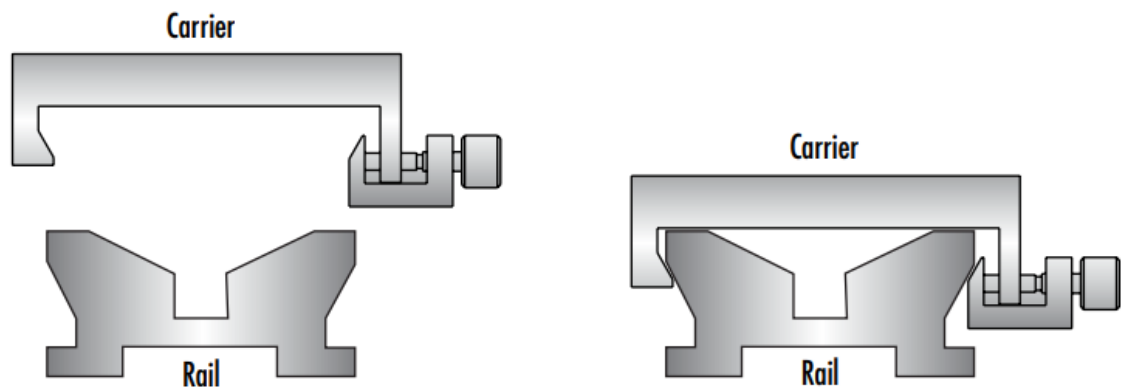
Type of Movement:	Linear (X)	Guide System:	Dovetail
Construction:	Black Anodized Aluminum		

#### Hardware & Interface Connectivity

Type of Drive:	Manual
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Technical Information

Side Profile of Rail System



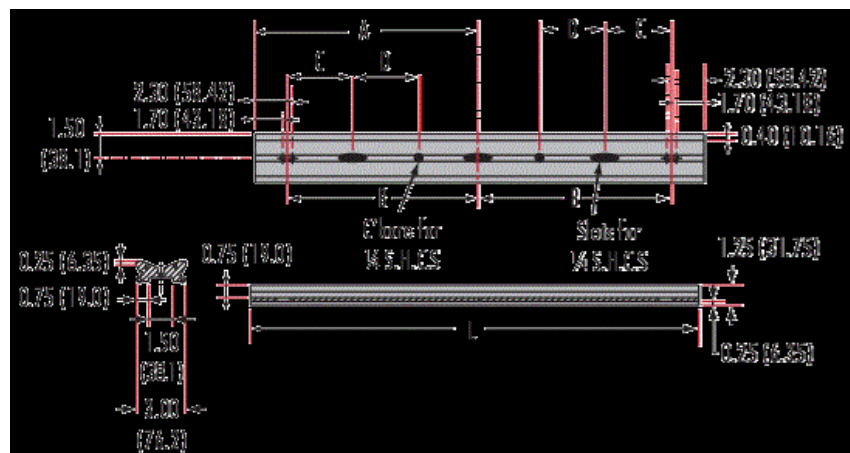
Technical drawing of a rectangular plate with the following specifications:

- Overall width: 1.50
- Overall height: 1.00 typ
- Distance from top edge to center of first hole: 0.25
- Distance between centers of adjacent holes: 1.00 typ
- Hole size: 1/4-20 UNC 2B
- Number of holes: thru 6 places

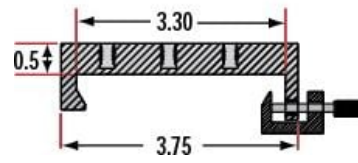
Technical drawing of a rectangular plate with dimensions and hole locations. The plate has a total width of 2.50 and a total height of 2.25. There are four holes arranged in a 2x2 grid. The horizontal spacing between the centerlines of the holes is 1.00, with a 0.25 offset from the left edge to the first hole centerline. The vertical spacing between the centerlines of the holes is 1.25, with a 0.75 offset from the top edge to the first hole centerline. The right edge of the plate is labeled "1/4-20 tap 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
- Right edge hole: M16 x 1.0 thru
- Central hole: 0.787 typ
- Distance from top edge to central hole: 1.00
- Distance from bottom edge to central hole: 1.26 typ
- Distance from right edge to central hole: 0.787 typ
- Distance from left edge to central hole: 1.26 typ



Common Side Profile



## Products

Type of Drive	Type	Note	Length (inches)	Length (mm)	Mounting Threads	Stock Number	Price	Buy
Manual	Universal (Metric & English)	Rail	12	304.80	C'bore Holes and Slots only for ¼" (or M6) S.H.C.S	<a href="#">#54-401</a>	£156.71 <a href="#">Volume Pricing</a>	20+ In Stock
Manual	Universal (Metric & English)	Rail	24	609.60	C'bore Holes and Slots only for ¼" (or M6) S.H.C.S	<a href="#">#11-159</a>	£219.30 <a href="#">Volume Pricing</a>	10 In Stock
Manual	Metric	Carrier	1.18	30.00	(8) M2 x 0.4, (1) M6 x 1.0	<a href="#">#12-507</a>	£97.18 <a href="#">Volume Pricing</a>	11 In Stock
Manual	English	Carrier	1.18	30.00	(8) 2-56, (1) 1/4-20	<a href="#">#12-508</a>	£97.18 <a href="#">Volume Pricing</a>	11 In Stock
Manual	Metric	Carrier	1.57	40.00	(4) M3 x 0.5, (8) M2 x 0.4, (1) M6 x 1.0	<a href="#">#12-509</a>	£107.69 <a href="#">Volume Pricing</a>	4 In Stock
Manual	English	Carrier	1.57	40.00	(4) 6-32, (8) 2-56, (1) 1/4-20	<a href="#">#12-510</a>	£107.69 <a href="#">Volume Pricing</a>	20+ In Stock
Manual	Metric	Carrier	2.76	70.00	(4) M3 x 0.5, (8) M2 x 0.4, (9) M6 x 1.0	<a href="#">#12-511</a>	£124.32 <a href="#">Volume Pricing</a>	20+ In Stock
Manual	English	Carrier	2.76	70.00	(4) 6-32, (8) 2-56, (9) 1/4-20	<a href="#">#12-512</a>	£124.32 <a href="#">Volume Pricing</a>	20+ In Stock
Manual	Universal (Metric & English)	Rail	36	914.40	C'bore Holes and Slots only for ¼" (or M6) S.H.C.S	<a href="#">#54-402</a>	£293.29 <a href="#">Volume Pricing</a>	20+ In Stock
Manual	English	Carrier	0.5	12.70	(3) ¼-20 on 1"	<a href="#">#54-403</a>	£69.16 <a href="#">Volume Pricing</a>	5 In Stock

Manual	Metric	Carrier	0.5	12.70	(3) M6 x 1.0 on 25mm	<a href="#">#11-160</a>	£69.16 <a href="#">Volume Pricing</a>	5 In Stock
Manual	English	Carrier	1.5	38.10	(6) ¼-20 on 1"	<a href="#">#55-339</a>	£75.73 <a href="#">Volume Pricing</a>	20+ In Stock
Manual	English	Carrier	2.5	63.50	(9) ¼-20 on 1"	<a href="#">#54-404</a>	£104.18 <a href="#">Volume Pricing</a>	20+ In Stock
Manual	Metric	Carrier	2.5	63.50	(9) M6 x 1.0 on 25mm	<a href="#">#11-161</a>	£104.18 <a href="#">Volume Pricing</a>	16 In Stock
Manual	Metric	Carrier	2	50.80	(1) M16 x 1.0, (4) M3 x 0.5, (4) M2 x 0.4	<a href="#">#55-341</a>	£96.31 <a href="#">Volume Pricing</a>	5 In Stock
Manual	Metric	Carrier	3	76.20	(1) M16 x 1.0, (10) M4 x 0.7, (4) M3 x 0.5	<a href="#">#55-340</a>	£107.69 <a href="#">Volume Pricing</a>	1 In Stock



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