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Precision 100 mm Dovetail Optical Rails

The PRL Series Precision Dovetail Optical Rail system maintains a low profile while offering sturdy support to carriers that ride on hard polymer pads with optimal linearity. The dovetail design allows easy attachment and removal of carriers without disturbing the rest of the system.



- Precision dovetail design provides sturdy hold and excellent linearity
- Four sizes of low profile rails with three carrier styles
- Carriers ride on extra-hard polymer pads
- Engraved scales in both inches and millimeters
- Rails mount at any orientation on English or metric optical tables

See All Features

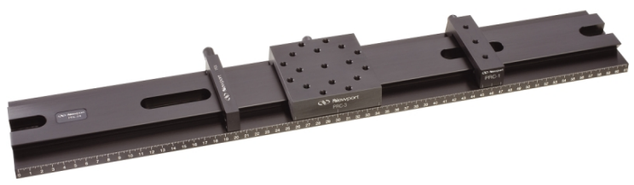
Compare	Model	Availability	Price
	**PRL-6** Precision Optical Rail, 6.56 in. Length, 3.93 in. Width, 6 in. Scale	In Stock	$165
	**PRL-12** Precision Optical Rail, 12.46 in. Length, 3.93 in. Width, 12 in. Scale	In Stock	$235
	**PRL-24** Precision Optical Rail, 24.28 in. Length, 3.93 in. Width, 24 in. Scale	In Stock	$350
	PRL-36 Precision Optical Rail, 36.48 in. Length, 3.93 in. Width, 36 in. Scale	In Stock	$420
	**PRX** Rail Indexing Block, 0.5 in. (12.7 mm) Length, No Holes, PRL Series	In Stock	$61
	**PRC-1** Optical Rail Carrier, 1.0 in. Length, 1/4-20 Thread, PRL Series	In Stock	$84
	**M-PRC-1** Optical Rail Carrier, 25.4 mm Length, M6 Thread, PRL Series	In Stock	$84
	**PRC-3** Optical Rail Carrier, 3.0 in. Length, 1/4-20 Thread, PRL Series	In Stock	$107
	**M-PRC-3** Optical Rail Carrier, 88.9 mm Length, M6 Thread, PRL Series	In Stock	$107

Precision 100 mm Dovetail Optical Rails

Features

Precision Dovetail Design for Sturdy Hold and Excellent Linearity

The PRL Series Precision Dovetail Optical Rail system maintains a low profile with its 3.93 in. (99.8 mm) wide base to provide a sturdy hold of carriers with a combined height of 1.26 in. (31.9 mm). The precision-machined, anodized aluminum dovetail construction provides smooth and easy-to-use carrier translation with a straightness of 0.001 in over 8 in. (25 µm over 25 cm).





Four Optical Rail Lengths Available

Optical rails come in 6.00 in (16.7 cm), 12.5 in. (31.7 cm), 24.3 in. (61.7 cm) and 36.5 in (92.7 cm) lengths and are compatible with English or metric table hole patterns.

Three Optical Rail Carriers Available

The optical rail carriers are also easy to use and may be removed or installed at any point on the rail. The aluminum carriers ride on extra-hard polymer pads, selected for low friction, resistance to cold flow, and long life. The overall nominal height of a carrier mounted on to an optical rail is 1.256 in. (31.9 mm). Convenient thumb-adjust lock knobs securely clamp the carriers in place anywhere on the rail.





Engraved Linear Scales

A metric and imperial linear scale is engraved in the side of the precision-machined anodized aluminum optical rail for ease of optical system set-up.

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