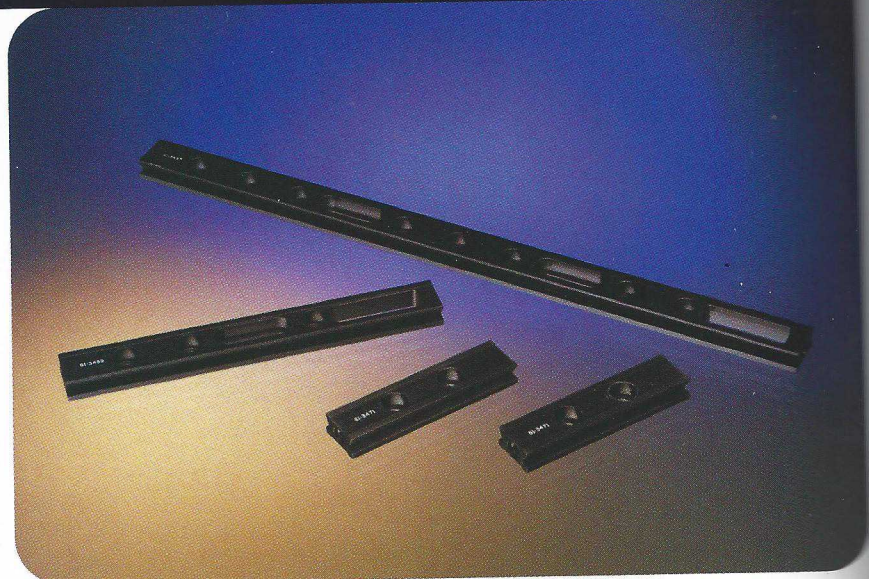
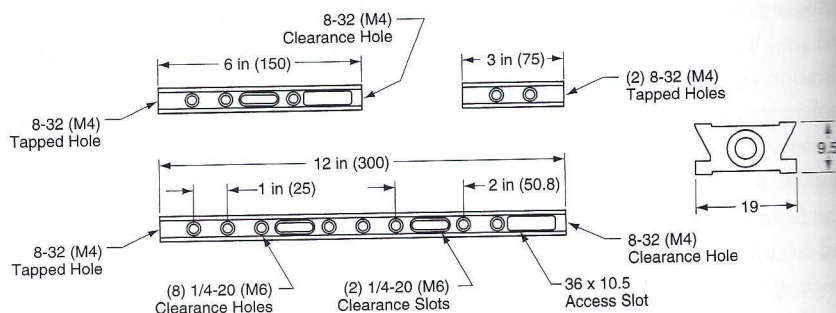


MicroMech™ 19 mm Optical Rail



- 19 mm dovetail section rail
- Precisely machined aluminum construction
- End tapped holes enable construction of 3D optical systems
- Range of carriers for mounting MicroMech™ stages and standard post holders
- End stackable



MicroMech Optical Rails provide a compact and economical foundation for constructing small-scale intricate optical systems. The heart of the MicroMech Optical Rail system is a 19 mm wide precision machined aluminum dovetail section rail, this gives a more accurate mating face and smoother positioning of MicroMech carriers than less expensive extruded designs.

The low profile cross section of MicroMech Optical Rails allows systems to be constructed with a low optical center line height. Carriers which have been specially designed for the MicroMech rails may be fitted and locked onto the rail at any point to provide a stable mounting surface for positioners and optical component mounts. Mounting holes and slots in the rail accommodate metric (M6) and inch (1/4-20) optical table hole patterns. The slots also allow the rail to be secured at almost any angle across the mounting surface. MicroMech Rails can also be securely attached to a table using the clamping ledges and MicroMech table clamps.

The 75 mm (3 inch) long MicroMech Rails have tapped M4 (metric versions) or 8-32 (inch version) holes in each end allowing them to be attached to bases and longer rails. The longer 150 mm and 300 mm MicroMech Rails have a cut-out section with a M4 (8-32) clearance hole at one end and a tapped hole at the other end allowing them to be joined together

to form almost any length rail, these sizes are supplied with the hardware needed to connect rails together.

Note: 19 mm Rails can be stacked to give longer lengths. For example to construct an 18 inch rail connect a 12 inch and 6 inch rail together – all connecting hardware is supplied.

MicroMech™ 19 mm Optical Rail (Metric)

Catalog Number	Description	Price US
53-3471	MicroMech 19 mm Optical Rail - 75 mm, Metric	\$28.60
53-3489	MicroMech 19 mm Optical Rail - 150 mm, Metric	\$39.60
53-3497	MicroMech 19 mm Optical Rail - 300 mm, Metric	\$53.55

MicroMech™ 19 mm Optical Rail (Inch)

Catalog Number	Description	Price US
61-3471	MicroMech 19 mm Optical Rail – 3 inch, Inch	\$28.60
61-3489	MicroMech 19 mm Optical Rail – 6 inch, Inch	\$39.60
61-3497	MicroMech 19 mm Optical Rail – 12 inch, Inch	\$53.55

Optics

Lenses & Microscope Components

Coatings

Mirrors, Beamsplitters & Windows

Prisms & Polarizers

Filters

Pinholes

Opto-mechanics

Tables, Breadboards & Rails

Mounting Hardware

Mirror & Component Mounts

Manual Micro-positioners

Motorized Positioners

Lasers & Accessories

Beam Delivery

Laser Measurement

Diode Laser Modules