

# Table Rails

## DATA OPTICS, INC.

115 HOLMES ROAD • YPSILANTI MICHIGAN 48198-3020  
(800)321-9026 (734)483-8228 Fax:(734)483-9879

- Low Profile
- Use on Optical Tables
- Provides Lateral Alignment

- Remote Lens Focusing
- Flexibility

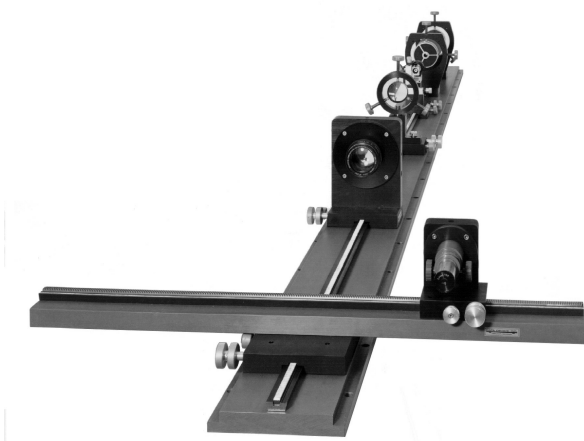
Table rails are low profile optical benches designed to give optical tables and surface plates the outstanding features of the Data Optics system: rack and pinion control of each mount for remote positioning, and precise alignment.

Data Optics table rails are made from 1" (25.4 mm) thick aluminum tooling plate that has been hard anodized to provide a long wearing surface. Tolerances in straightness and flatness are  $\pm 0.001$ "/foot ( $\pm 0.025$  mm/300 mm) and  $\pm 0.003$ " ( $\pm 0.075$  mm) over the entire length.

Lengths under 3 feet (1 meter) may be used as free standing optical benches, but longer lengths must be supported by a suitable flat surface to maintain the flatness tolerance specified above. Table rails may be ordered in any length up to 10 feet (3.1 meters). Although table rails come standard with a rack and scale, either may be deleted when ordering if not desired for the application.



Vertical supports in conjunction with Data Optics table rails are especially useful in designing semi-permanent systems which must be quickly constructed, debugged and delivered to meet contractual obligations.



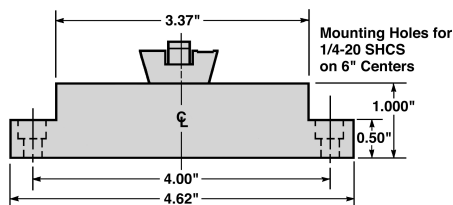
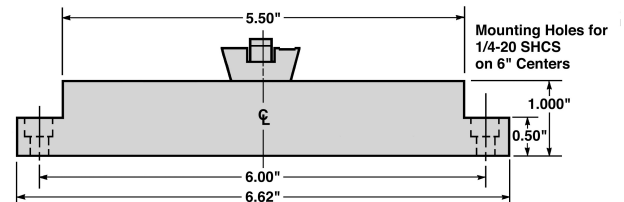
If you have a limited budget or need to span a long distance, use two short sections of table rail and order a rack to cover the entire distance.

# Table Rails

## SERIES 76

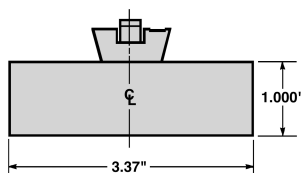
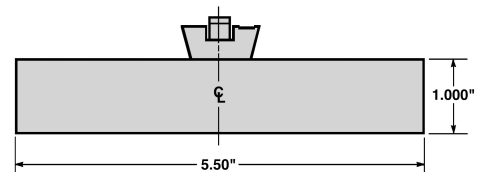
### Table Rails with Clamping Ledges and Mounting Holes

Table rail with clamping ledges and mounting holes, including alignment bar, rack and scale. Weight is 8.0 lbs./foot (11.8 kg./meter) for Series 133 and 5.6 lbs./foot (8.3 kg./meter) for Series 76.

**1135 - L****1100 - L**

### Table Rails without Clamping Ledges or Mounting Holes

Table rail without clamping ledges and mounting holes, but including alignment bar, rack and scale. Weight is 6.7 lbs./foot (9.9 kg./meter) for Series 133 and 4.1 lbs./foot (6.0 kg./meter) for Series 76.

**1130 - L****1105 - L**

When ordering a table rail, "L" specifies the length required. Standard tolerance on length is  $\pm 0.125$ " ( $\pm 3.5$  mm).

To delete the scale from any of the above table rails, specify #1101 – Delete Scale.

To delete the rack from any of the above table rails, specify #1102-L – Delete Rack.