



Series 300 Double Rails*

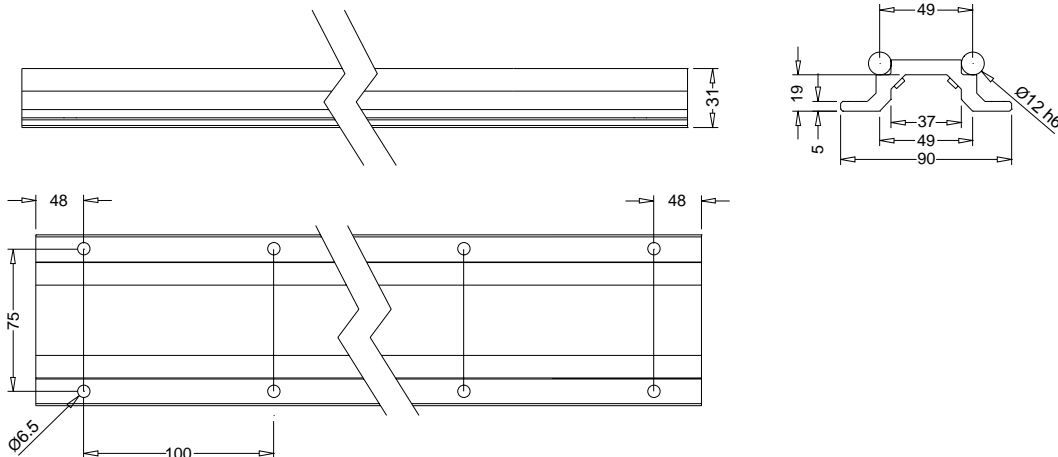
FEATURES

- Two guide rails supported uniformly through the length of travel by clear anodized, 90 mm wide aluminum support profile
- Guide rails consist of two precision ground $\varnothing 12$ mm h6 steel shafts with M5 threaded holes spaced 100 mm apart. The shafts are hardened to RC62 +2
- The double rail and support profile is sold as a complete assembly in lengths from 400 mm to 3000 mm
- The support profile has mounting holes 75 mm apart at 100 mm intervals along the system length. This allows for easy mounting to our Heavy-Duty Extrusion Plates or other mounting surfaces
- The two rails are each supported by and attached to the support profiles every 100 mm at 45° to profile, ensuring they are parallel
- The extra wide rail spacing and base design provide high torsional stability and torque load capacity

* This *isel* Linear System is patented.

| Length mm | Catalog Number |
|-----------|----------------|
| 400 | HL4235M3000400 |
| 500 | HL4235M3000500 |
| 600 | HL4235M3000600 |
| 700 | HL4235M3000700 |
| 800 | HL4235M3000800 |
| 900 | HL4235M3000900 |
| 1000 | HL4235M3001000 |
| 1100 | HL4235M3001100 |
| 1200 | HL4235M3001200 |
| 1300 | HL4235M3001300 |
| 1400 | HL4235M3001400 |
| 1500 | HL4235M3001500 |
| 1800 | HL4235M3001800 |
| 2000 | HL4235M3002000 |
| 2500 | HL4235M3002500 |
| 3000 | HL4235M3003000 |

NOTE: Actual length is 2 mm less than nominal length.





Series 300 Compatible Carriages

Roller Carriage 3*

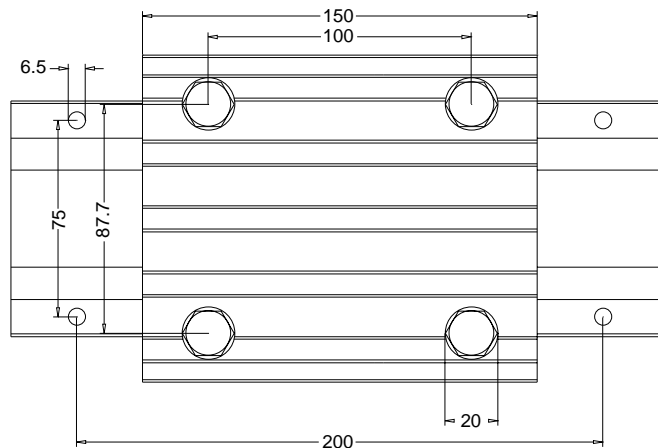
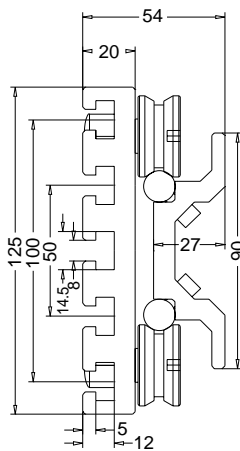
FEATURES

- Consists of flat milled aluminum plate 150 x 125 x 20 mm with five longitudinal "T" slots for M6, DIN 508 T-nuts for easy mounting
- Four precision Ø31 mm guide rollers are on each plate. Each roller has two rows of sealed bearings and are lubricated for life
- Maximum linear speeds up to 10 m/sec
- Two of the four guide rollers have eccentric pivots by which the desired preload of carriage can be adjusted
- The preload capability allows for play-free operation
- Rollers are available separately for OEM applications, see page 47

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ROLLER CARRIAGE 3: HL46D0M223005



Maximum Load (N)

| | Fz | Fy |
|---------|------|------|
| Static | 2800 | 2600 |
| Dynamic | 1400 | 1300 |

Maximum Moment (N-m)

| | Mx | My | Mz |
|---------|-----|-----|----|
| Static | 125 | 165 | 82 |
| Dynamic | 62 | 80 | 40 |

For information on individual rollers, please see page 47