



Series 300 Double Rails*

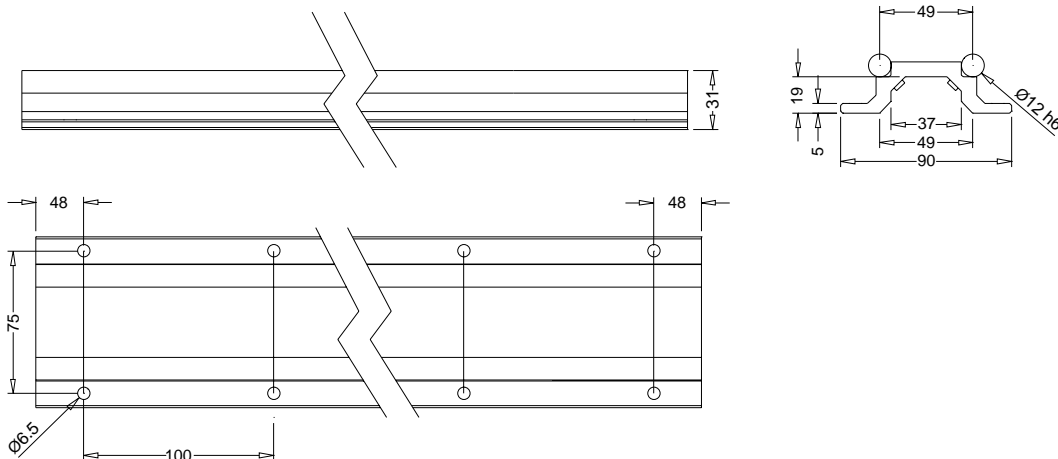
FEATURES

- 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*

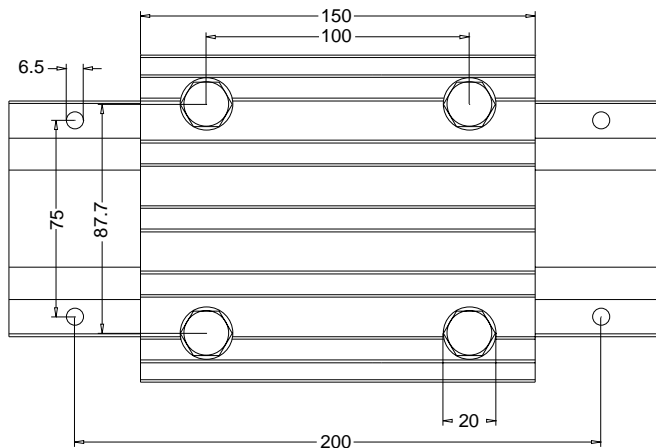
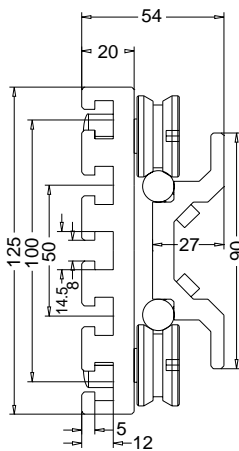
FEATURES

- 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