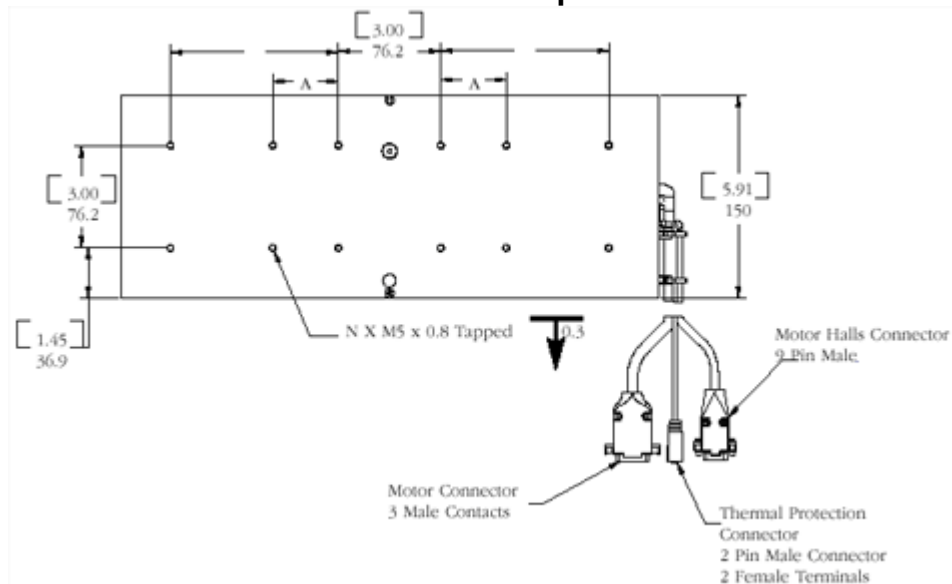


MAG-IL-100™ Moving Magnet Linear Motor Stage

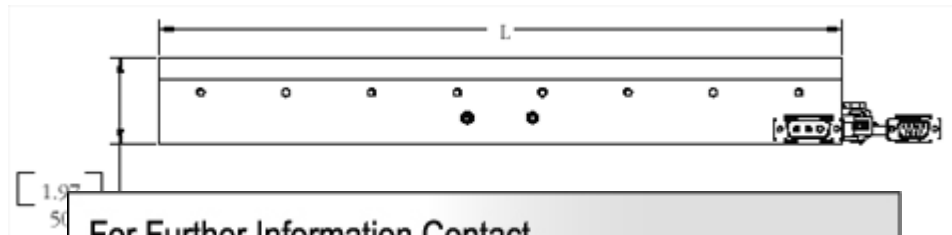


Product Dimensions

Dimensions - Top View



Dimensions - Side View



For Further Information Contact

Heason Technologies Group Ltd

Tel: +44(0)1403 755800

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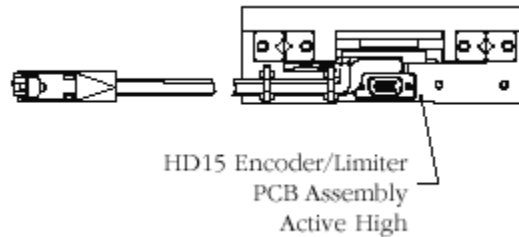
Email: sales@heason.com

Freephone 0800 374903 www.heason.com



MAG-IL-100™ Moving Magnet Linear Motor Stage

Dimensions - End View



Specifications

Travel (inches)	100
Accuracy (µm)	5
Resolution Options (µm)	1, 0.5, 0.1, 0.05
Bi-directional Repeatability (arc-seconds)	±1 count
Maximum Acceleration (m/sec)	20
Maximum Velocity (m/sec)	5
Load Capacity (kg) ¹	75
Mass (kg)	Moving 6.0 Total 8.8
Pitch & Yaw (arc-seconds)	10
Flatness & Straightness (µm)	5
Fundamental Motor Constant (130°C)	4.7N / √Watt
Motor Force Constant (N/A)	16.8
Back-emf Constant (V/m/s)	13.7
Coil Resistance @ 25°C (Ohm)	6.1
Coil Inductance (mH)	1.3
Continuous Current (130°C, Amps)	2.3
Peak Current (A)	7.1
Continuous Force @ 130°C (N)	38
Peak Force (N)	120
Continuous Power Rating (W)	65
Thermal Resistance (°C/W)	

¹ Please contact our Applications Engineers for more information.
Note: Maximum speed is limited by motor inductance.

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