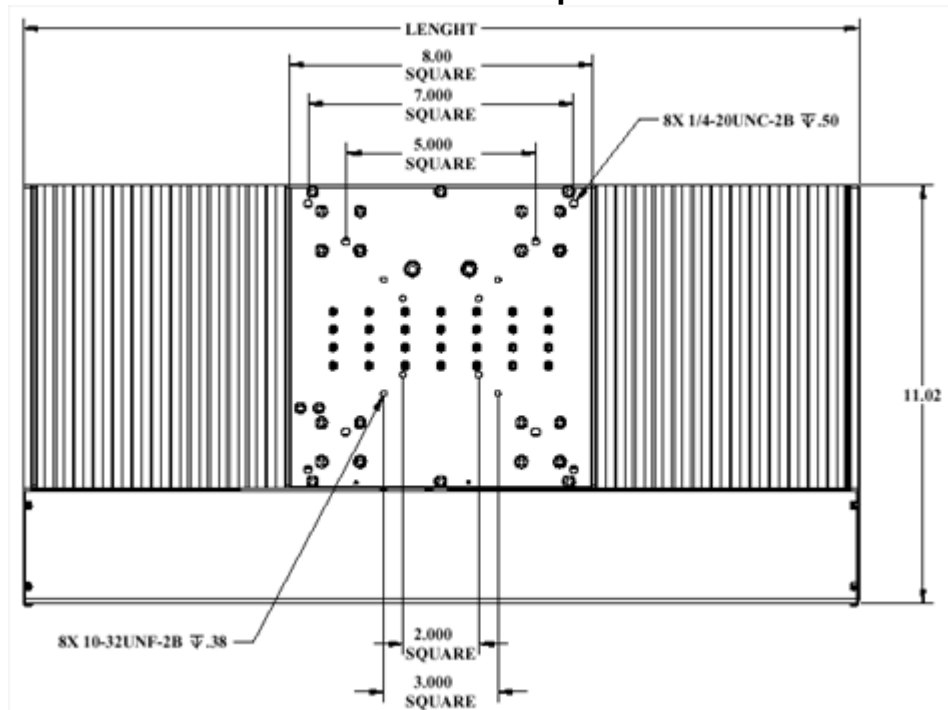


## SAS-IL-1800™ Recirculating Way Table



### Product Dimensions

#### Dimensions - Top View



#### Dimensions - Side View



For Further Information Contact ....

Heason Technologies Group Ltd

Tel: +44(0)1403 755800

Fax: +44(0)1403 755810

Email: sales@heason.com

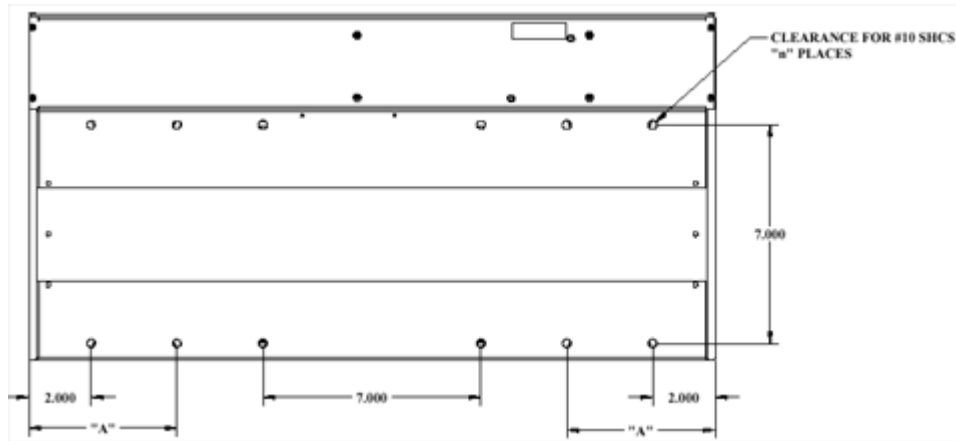
Freephone 0800 374903 [www.heason.com](http://www.heason.com)

**Heason**  
Technologies Group

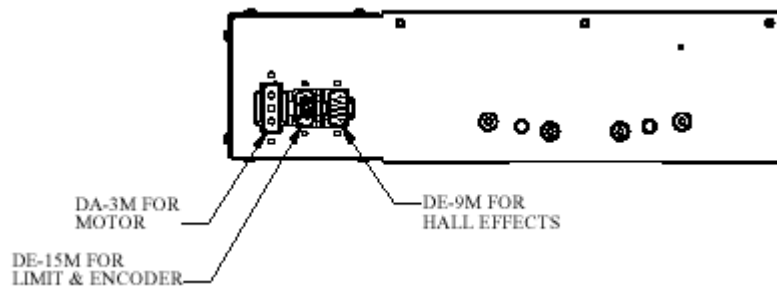
<http://www.danahermotion.com/>

## SAS-IL-1800™ Recirculating Way Table

### Dimensions - Bottom View



### Dimensions - End View



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## SAS-IL-1800™ Recirculating Way Table

### Specifications

Travel (inches)	18
Overall Height (inches)	3
Positional Accuracy ( $\mu\text{m}$ ) <sup>1</sup>	11
Resolution ( $\mu\text{m}$ )	5, 1, 0.5, 0.1
Bi-directional Repeatability (arc-seconds)	$\pm 1$ count
Load Capacity (g) <sup>2</sup>	70
Maximum Acceleration ( $\text{m}/\text{sec}^2$ ) <sup>2</sup>	40
Maximum Velocity (m/sec)	5
Mass (kg)	Moving Total
	5.2 25
Motor Force Constant (N/A)	16.9
Fundamental Motor Constant (130°C)	6.6N / &radic;Watt
Back-emf Constant (V/m/s)	13.8
Coil Resistance (25°C, Ohm)	3.1
Coil Inductance (mH)	0.65
Continuous Current (130°C, Amps)	4.5
Peak Current (Amps)	14.2
Continuous Force (130°C, N)	76
Peak Force (N)	240
Continuous Power Rating (Watts)	131
Pitch & Yaw (arc-seconds)	25
Flatness & Straightness ( $\mu\text{m}$ )	9

<sup>1</sup> With 2 point slope correction.

<sup>2</sup> Please contact our Applications Engineers for loads exceeding 75kg.

<sup>3</sup> The maximum speed is encoder and load dependent.

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