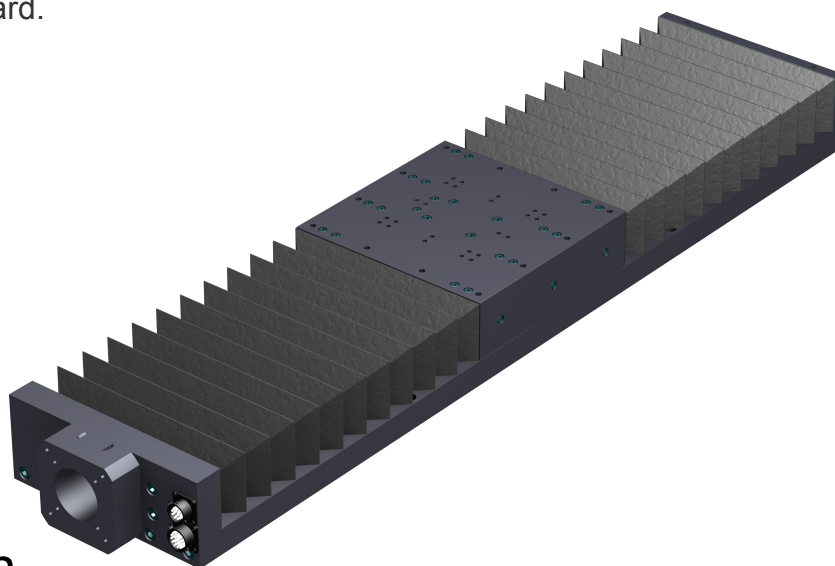


12000 Series Wide Base

Where heavier loads requiring greater stability must be moved with accuracy and stable velocity, the Series 12000 stages will perform that task reliably. With a 250mm base width, single and multi-axes configurations are available for demanding applications.

Using high load capacity, four journal rail bearings and a high precision ground ballscrew, these stages offer accurate control of position suited to laser machining and optical positioning systems. Limit and Datum switches are fitted. Switch, motor and encoder connections are made through QM connectors. Available with stepping or servo motors with encoders. Linear encoders internally fitted are an option. Protective bellows fitted as standard.



Specification

	Travel mm	200	300	400	500	600	700	800	900	1000
Ballscrew Drive	G0, Precision Ground, 10mm pitch standard									
Accuracy	2µm per 25mm travel									
Resolution	1 µm standard									
Flatness and Straightness of travel	+/- 2µm per 25 mm of travel									
Bi-directional repeatability	+/- 2µm (closed loop servo, motor mounted encoder)									
Load Capacity (kg)										
Stage Horizontal		150	150	150	150	150	150	150	150	150
Stage Vertical		50	50	50	50	50	50	50	50	50
Weight (kg)		21.5	25	28.5	32	35.5	39	42.5	46	49.5
Materials	Alumium Alloy and stainless steel									

Options:-

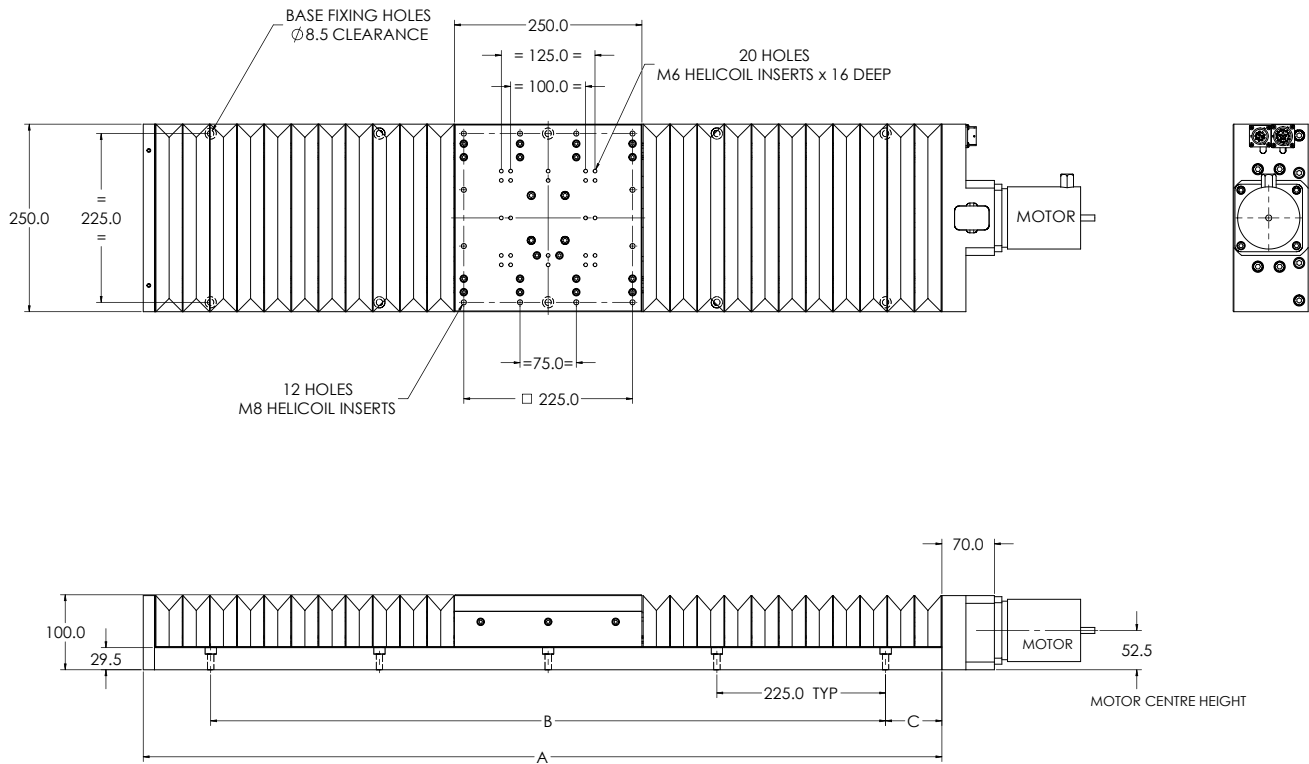
Linear encoder

Brake

Fold back motor

12000 Series Stage

Dimensional Data



Max Travel (mm)	Dimensions (mm)		
	A	B	C
200	565	450	50
300	690	450	112.5
400	815	675	62.5
500	940	675	125
600	1065	900	75
700	1190	1125	25
800	1315	1125	87.5
900	1440	1350	37.5
1000	1565	1350	100