

GeoOrdinate

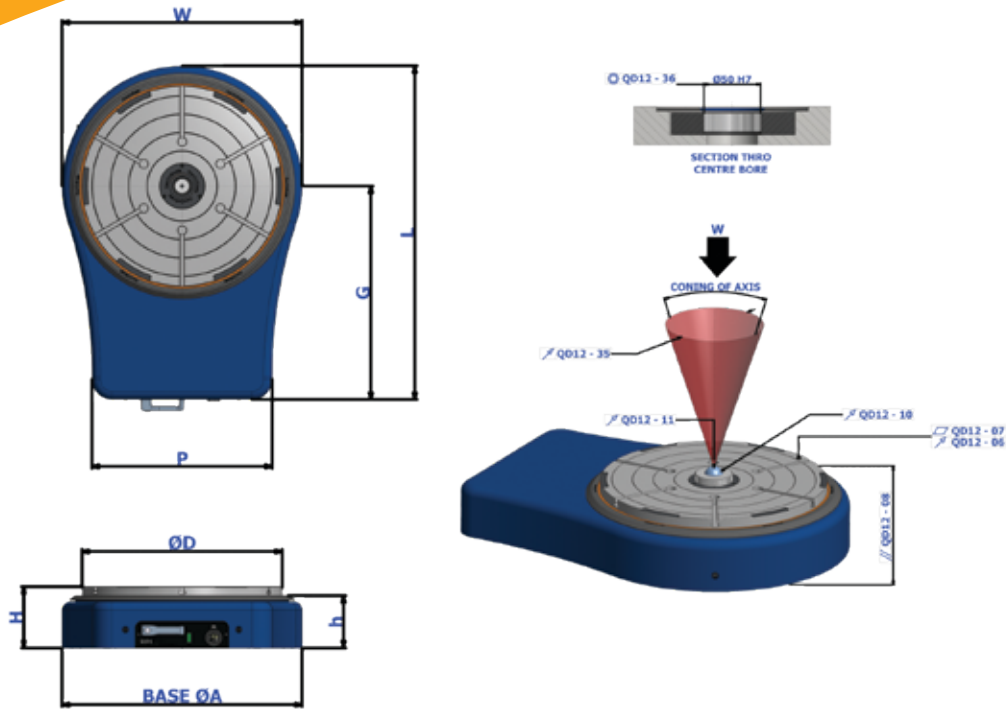
High Precision Angular Positioning, Calibration and Geometry Inspection

Ultra precise rotary tables intended for fine inspection, metrology and test applications.

The GeoOrdinate has been designed specifically for the inspection of large and heavy components and is fully compatible with any shop floor environment whilst maintaining world class accuracies more commonly seen in the standards laboratory.

Measurement Capacity:

- ArcMotion power driven axis
- Sizes Ø400mm, Ø600mm, Ø800mm, Ø1000mm and Ø1500mm
- Load capacities up to 7,000kgs
- Zero backlash drive
- Angular accuracy 2 arc seconds
- Angular repeatability 0.5 arc seconds



GeoOrdinate

Technical Data	QD	Unit	GeoOrdinate 400MB	GeoOrdinate 600MB	GeoOrdinate 800MB	GeoOrdinate 1000MB	GeoOrdinate 1500MB		
Load Capacity		kgs	950	1650	2900	4750	6700		
Maximum Tilt Moment		Nm	450	1400	3500	7000	10000		
Coning of Table Axis	12-35	Arc seconds	+/-0.5						
	QD	Units	GeoOrdinate 400CB	GeoOrdinate 600CB	GeoOrdinate 800CB	GeoOrdinate 1000CB	GeoOrdinate 1500CB		
Load Capacity		kgs	Not available	1450	2400	3350	Not available		
Maximum Tilt Moment		Nm		1200	2700	5500			
Coning of Table Axis	12-35	Arc seconds		+/-0.25					
Technical Data									
Angular Positioning Accuracy	12-56	Arc seconds	2 (optional 1, 5, 10)						
Maximum rpm		Rpm	5		4	3	2		
Maximum Polar Inertia		Kgm2	18	62	197	400	1925		
Rotation Error of Table Top	12-06	MM	0.005		0.008		0.010		
Flatness of Table Top	12-07						0.012		
Parallelism of Table Top To Base	12-08						0.015		
Radial Runout of Table Axis	12-10		0.0005						
Axial Runout of Table Axis	12-11		0.0025						
Concentricity of Centre Bore	12-36								
Dimensions									
	ØA	ØD	G	H	h	L	P	W	Weight
Units	MM								kgs
GeoOrdinate 400	480	400	500	175	130	760	370	520	150
GeoOrdinate 600	680	600	640	185	140	1000	540	720	420
GeoOrdinate 800	880	800	740			1200		920	690
GeoOrdinate 1000	1080	1000	880	225	180	1400		1120	1300
GeoOrdinate 1500	1580	1500	1090			1900		1620	2300
Flexible Tooling Interface	HSK, Lang, Schunk, Gewefa (other options available on request)								