

# QuadDualPurpose

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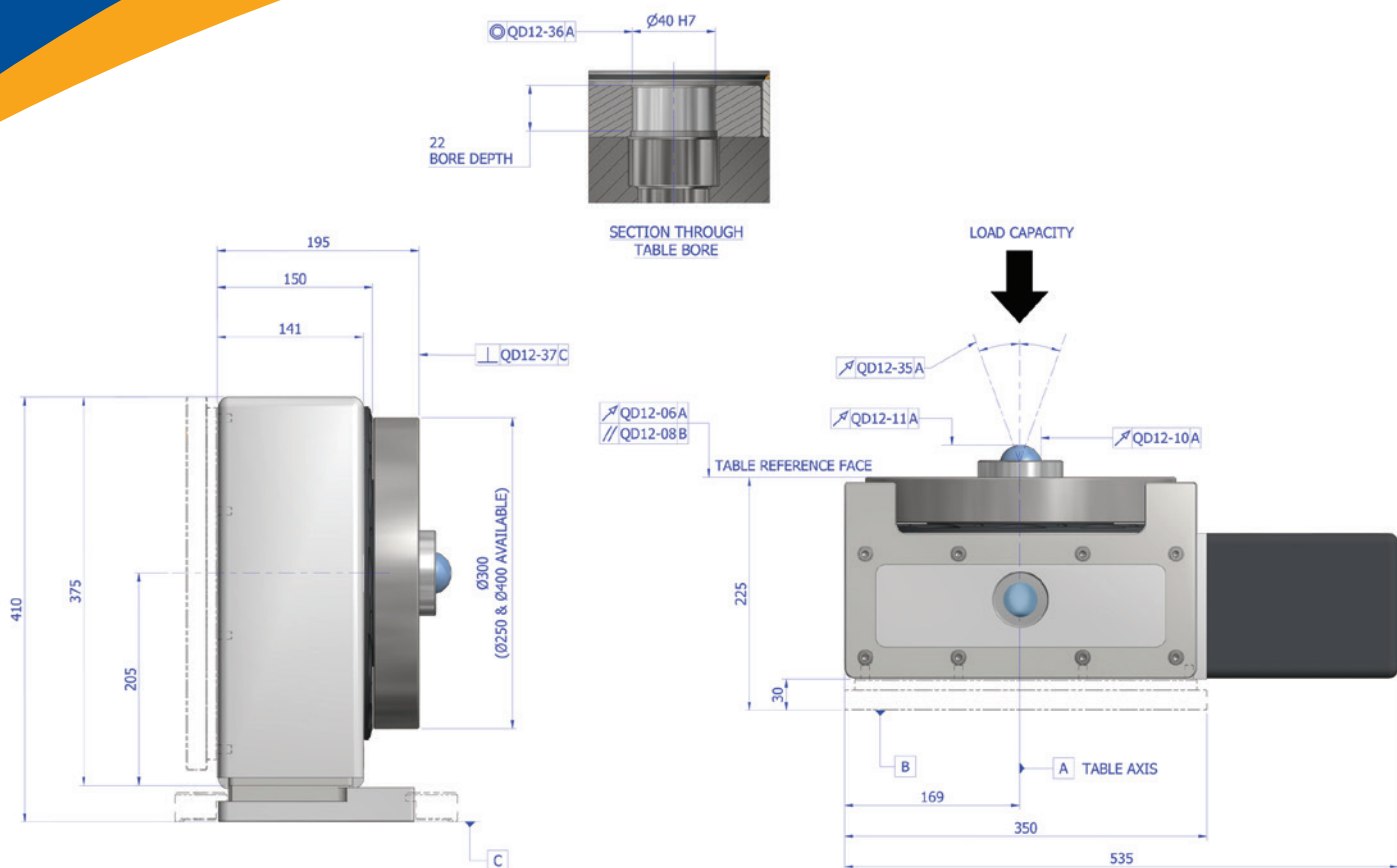
**Additional Rotary Axis for High Precision Co-Ordinate Measurement Machines. All Quadrant products are ISO 10360 part 3 compliant.**

Precision rotary axes specifically developed to increase the flexibility, productivity and efficiency of your CMM.

Versatile system with the option to mount parts both horizontally and vertically for inspection, such as large aero engine blades from the front of the engine.

## **Measurement Capacity:**

- Horizontal or vertical applications
- Sizes Ø250mm, Ø300mm, and Ø400mm
- Overall height 225mm (axis vertical)
- Centreline height 240mm (axis horizontal)
- Load capacities up to 1,000kgs
- Load moment up to 500Nm
- Powerful pneumatic clamp (optional)
- Angular accuracy 2 arc seconds
- Angular repeatability 0.5 arc seconds



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Technical Data	QD	Unit	QuadDualPurpose
Centre Line Height		mm	240
Load Capacity		kgs	1000
Maximum Polar Inertia		Kgm <sup>2</sup>	40
Maximum Tilt Moment		Nm	500
Maximum rpm		rpm	4
Spindle Rotation Error	12-06	mm	0.005
Parallelism	12-08	mm	0.006
Angular Positioning Accuracy	12-09	Arc seconds	2 (Optional 1 Arc Second)
Angular Repeatability			+/-0.2
Resolution	12-56		0.2
Clamp Shift (If Fitted as option)			2
Radial Runout of Table Axis	12-10		0.0005
Axial Runout of Table Axis	12-11	mm	0.0006
Coning of Table Axis	12-35	mm	+/-0.5
Concentricity of Centre Bore	12-36	Arc seconds	0.0025
Squareness of Spindle Face*	12-37	mm	0.004
Table Weight (Without Table top and Clamping Plate)		mm	116
Table Top Options		kgs	Ø250, 300, 400
Flexible Tooling Interface		mm	HSK, Lang, Schunk, Gewefa (other options available on request)