
ROTARY TABLES

Horizontal Rotary Tables (Range A)

Application

For situations that require table sizes between 200mm and 800mm diameter in the horizontal and vertical position. With high accuracy and high loading capacities, they are suitable for heavy machining and metrology applications

Bearing

Preloaded axial-radial roller bearings are incorporated to provide high rigidity in both planes. Sensitivity and fine positioning are ensured.

Clamping

Distortion free passive clamping by preloaded spring elements and hydraulic release.

Measuring systems

High precision Heidenhain angular encoders and rotary Inductosyns are standard.

Motors

DC and AC motors.

Construction

The modular design permits freedom to match application requirements. The worm gear drive is specially configured for maximum torque and minimum (adjustable) backlash.



Horizontal Rotary Tables (Range B)

Available options

- Hand scraped table top surface
- Customised table top
- Workpiece clamping system
- Prepared for pallet system
- Alternative measuring systems made by Heidenhain (i.e. ROD 800 or Inductosyn etc)
- Air inlet for internal pressurisation
- Various Motor Drives and intermediate gear boxes
- Prepared for linear axis (saddle)
- Hydraulic unit for the clamping system
- Other paint surface finishes
- NC systems to suit your application

Standard resolution

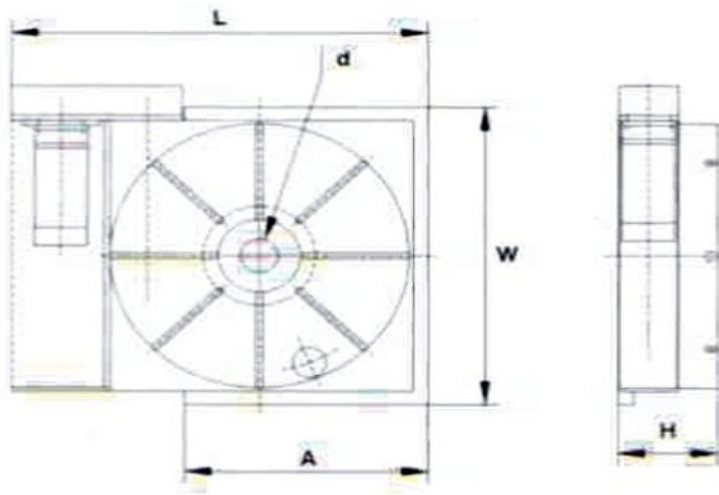
0.0001" (others on request)

Standard accuracy

Total dividing accuracy 3 arc second
(higher accuracy on request)

Painted surface finish

RAL-colors range in textured surface finish



Technical Data		Unit	2 - 02	2 - 03
Type Designation			D200	D320
Table Plate Size	D	mm inches	Ø200 7.87	Ø320 12.6
T – Slots (Din650)	Size No.	mm	12 4	14 6
Dimension (Approx)	L	mm inches	530 20.87	640 25.2
	W	mm inches	305 12.01	345 13.58
	H	mm inches	180 7.09	220 7.09
Centre Hole	d	mm inches	Ø 25 0.98	Ø 40 1.57
Weight (Approx)		Kg lb	90 198	120 264
Loading Capacity (Uniform)		Kg lb	500 1100	800 1760
Permitted Machining Force		N lb	10000 2200	20000 4400
Clamping Torque Standard		Nm Lb in	800 6929	2000 17323
Max Milling Torque		Nm Lb in	700 6063	700 6063
Main Gear Ratio (Standard)			120:1	120:1
Parallelism		mm inches	0.010 0.0004	0.020 0.0008
Face Plate Run out		mm inches	0.005 0.0002	0.010 0.0004
Run out of Centre Bore		mm inches	0.010 0.0004	0.010 0.0004