

2-Series: Horizontal NC Rotary Tables—Range A



A Precision Range offering great versatility



Made In The USA

The Rusach Advantages

Application

For situations that require table sizes between 200mm and 800mm diameter in the horizontal 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

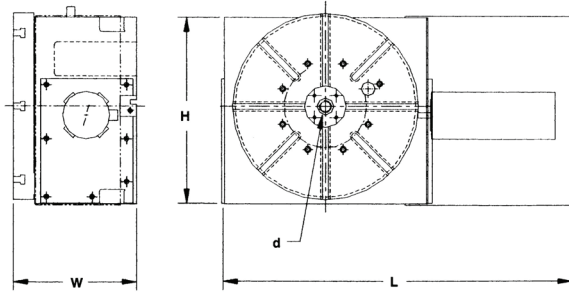
The modular design permits freedom to match application requirements. The worm gear drive is specially configured for maximum torque and minimum (adjustable) backlash.

RUSACH INTERNATIONAL



Every Challenge Has A Solution

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Available Options

- Hand scraped table top surface
- Customized 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 pressurization
- 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

.0001 degree (others on request)

Standard Accuracy

From +/- 15 arc seconds to +/- 3 arc seconds. (Higher accuracy on request)

Clamp Release Pressure

90 bar or 1300 psi

Painted Surface Finish

RAL-Color range in textured surface finish

For other specifications please contact our technical department. (The rights for technical modifications are reserved).

Technical Data		Unit	2-02	2-03	2-04	2-06
Type Designation			D200	D320	D450	D630
			D250	D450	D630	D800
			D320			
Table Plate Size	Dia.	mm	200	320	450	630
		Inches	7.87	12.60	17.72	24.80
		mm	250	450	630	800
		Inches	9.84	17.72	24.80	31.50
T-slots (DIN 650)	Size number	mm	12	14	14	18
		mm	4	6	8	8
		mm	320			
		Inches	12.60			
Dimension	L	mm	530	640	850	1000
		Inches	20.87	25.20	33.46	39.37
	W	mm	305	345	475	800
		Inches	12.01	13.58	18.70	31.50
	H	mm	180	200	305	325
		Inches	7.09	7.87	12.01	12.79
		mm	180	220	315	350
		Inches	7.09	8.66	12.40	13.78
Centre Hole	d	mm	25	40	40	50
		Inches	0.98	1.57	1.57	1.97
Weight (Approx)	kg	kg	90	120	200	400
		lb	198	264	440	880
	kg	kg	110	190	310	530
		lb	242	418	682	1166
	kg	kg	120			
		lb	264			
Loading Capacity (uniform)	kg	kg	500	800	1500	4000
		lb	1,100	1,760	3,300	8,800
Permitted Machining Force	N	N	10,000	20,000	25,000	30,000
		lb	2200	4400	5500	6600
Clamping Torque (standard)	Nm	Nm	800	2000	4000	9000
		lb in	6,929	17,323	34,647	77,953
Max. Milling Torque	Nm	Nm	700	700	4000	5500
		lb in	6,063	6,063	34,647	47,638
Main Gear Ratio (standard)			120:1	120:1	180:1	180:1
Parallelism	mm	mm	0,010	0,020	0,020	0,020
		inches	0,0004	0,0008	0,0008	0,0008
Face Plate Runout	mm	mm	0,005	0,010	0,010	0,010
		inches	0,0002	0,0004	0,0004	0,0004
Runout of Center Bore	mm	mm	0,010	0,010	0,010	0,010
		inches	0,0004	0,0004	0,0004	0,0004

Call Rusach International

100 Raymond Street

Hope, IN 47246

Phone: 317-638-0298

www.rusach.com



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