



Rusach International 2-Series: Horizontal NC Rotary Tables - Range A 200mm thru 800mm



Made in the USA

The Rusach Advantages

Application

For applications that require table sizes between 200mm and 800mm diameter in the horizontal position. Suitable for heavy machining and metrology applications with high loading capacities and accuracies to +/-1 arc seconds.

Bearing

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

Clamping

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

Measuring Systems

Standard mechanical accuracy of +/- 15.0 arc seconds. High precision Heidenhain encoders are offered for increased accuracies to +/-1.0 arc seconds.

Motors

DC and AC servomotors.

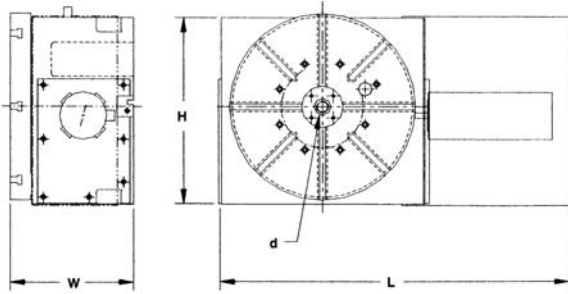
Construction

Modular design permits freedom to match application requirements. Worm gear drive specially configured for maximum torque and minimum (adjustable) backlash.



Every Challenge Has A Solution

2-Series: Horizontal NC Rotary Tables - Range A



Technical Data		Unit	2-02	2-03	2-04	2-06		
Type Designation			D200	D320	D450	D630		
			D250	D450	D630	D800		
			D320					
Table Size	Rnd.	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		
			4	6	8	8		
		Dimension	L	mm	530	640	850	1000
				Inches	20.87	25.20	33.46	39.37
Dimension	w	mm	305	345	475	800		
		Inches	12.01	13.58	18.70	31.50		
	Dimension	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) w/o motor	Rnd.	kg	90	120	200	400
lb	198			264	440	880		
kg	110			190	310	530		
lb	242		418	682	1166			
Loading Capacity (uniform)			kg	500	800	1500	4000	
			lb	1,100	1,760	3,300	8,800	
Permitted Machining Force		N	10,000	20,000	25,000	30,000		
		lb	2200	4400	5500	6600		
Clamping Torque (standard)		Nm	800	2000	4000	9000		
		lb in	6,929	17,323	34,647	77,953		
Max. Milling Torque		Nm	700	700	4000	5500		
		lb in	6,063	6,063	34,647	47,638		
Main Gear Ratio			120:1	120:1	180:1	180:1		
Parallelism		mm	0,010	0,020	0,020	0,020		
		inches	0,0004	0,0008	0,0008	0,0008		
Face Plate Runout		mm	0,005	0,010	0,010	0,010		
		inches	0,0002	0,0004	0,0004	0,0004		
Runout of Centre Bore		mm	0,010	0,010	0,010	0,010		
		inches	0,0004	0,0004	0,0004	0,0004		

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).
- 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

+/- 15 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.

Reference dimensions only. Approval prints are supplied on all tables.

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