

Rusach International 5-Series: Vertical 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 vertical position. Suitable for heavy machining and metrology applications, with high accuracies and heavy load capabilities.

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.

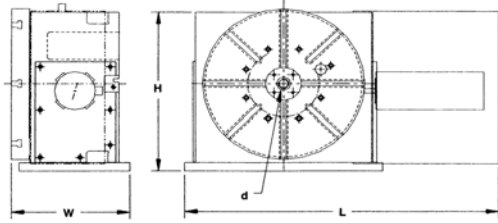
Construction

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

5-Series: Vertical NC Rotary Tables - Range A



Technical Data		Unit	5-02	5-03	5-04	5-06
Type Designation			D200	D320	D450	D630
			D250	D450	D630	D800
			D320			
Table Diameter	Round	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
		mm	320			
		Inches	12.60			
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
	W	mm	180	200	305	325
		Inches	7.09	7.87	12.08	12.79
	H	mm	305	345	500	750
		Inches	12.01	13.58	19.68	29.53
mm		305	425	590	800	
Inches		12.01	16.73	23.23	31.50	
		mm	340			
		Inches	13.39			
Center Hole	d	mm	25	40	40	50
		Inches	0.98	1.57	1.57	1.97
Weight (Approx.) w/o motor		kg	90	120	200	400
		lb	198	264	440	880
		kg	110	190	310	530
		lb	242	418	682	1166
		kg	120			
		lb	264			
Uniform Loading		kg	180	400	1,000	1,600
		lb	396	880	2,200	3,520
Permitted Machining Force		N	10,000	20,000	25,000	30,000
		lb	2,200	4,400	5,500	6,600
Clamping Force		Nm	800	2,000	4,000	6,000
		lb in	6,929	17,322	34,650	51,970
Milling Torque		Nm	700	700	4000	5500
		lb in	6,063	6,063	32,650	47,640
Main Gear Ratio			120:1	180:1	180:1	180:1
Face Plate Runout		mm	0,005	0,010	0,010	0,010
		inches	0,0002	0,0004	0,0004	0,0004
Runout of Center Bore		mm	0,010	0,010	0,010	0,010
		inches	0,0004	0,0004	0,0004	0,0004
Squareness of Table to base		mm/300mm	0.010	0.010	0.010	0.010
		inches/12 inches	0.0004	0.0004	0.0004	0.0004

Available Options

- Hand Scraped Table Top Surface
- Customized Table Top
- Workpiece Clamping System
- Alternative Measuring Systems made by Heidenhain. i.e. (ROD 800)
- A Horizontal and Vertical Version can be Supplied. (Convertible)
- Air Inlet for Internal Pressurization
- Various Motors 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
- Tail Stock Assemblies
- Part supports

Standard Resolution

.0001 degree (others on request)

Standard Accuracy

+/- 15 arc seconds. Higher accuracy on request.

Painted Surface Finish

RAL-color range in textured surface finish

Clamp Release Pressure

90 bar or 300 psi

Call Rusach International

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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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