

2-Series: Horizontal Dividing Tables Roller/Air—Range C



A Precision Range offering great versatility



Made In The USA

The Rusach Advantages

Application

High Accuracies and load capacities make these tables suitable for both machining and inspection applications.

Bearing

Preloaded axial radial roller bearing or axial radial air bearings, to provide high rigidity in both planes. Sensitivity and fine positioning are insured.

Clamping

Distortion free clamping is achieved by several, mechanically pre-loaded devices which are hydraulically released.

Measuring Systems

High accuracy Heidenhain angular encoders and rotary inductosyns are standard.

Motors

AC and DC servo motors.

Positioning Accuracy

Positioning accuracy to ± 1 arc seconds or better are available.

Repeatability

The repeatability is 1/2 or better of the positioning accuracies.



ROUND



SQUARE



RECTANGULAR



Every Challenge Has A Solution

Technical Data						
Type Designation	Round		2-2020	2-2525	2-3030	2-4040
			2-2025	2-2530	2-3040	2-4050
	Square		2-202020	2-252525	2-303030	2-404040
			2-202525	2-253030	2-304040	2-405050
	Rectangle		2-202025	2-252530	2-303040	2-404050
Table Diameter	mm		2000	2500	3000	4000
		Inches	78.74	98.43	118.11	157.48
	mm		2500	3000	4000	5000
		Inches	98.43	118.11	157.48	196.85
Table Size	mm		2000x2000	2500x2500	3000x3000	4000x4000
		Inches	78x78	98x98	118x118	157x157
	mm		2500x2500	3000x3000	4000x4000	5000x5000
		Inches	98x98	118x118	157x157	196x196
	mm		2000x2500	2500x3000	3000x4000	4000x5000
		Inches	78x98	98x118	118x157	157x196
Base Dimension	mm		2000	2500	3000	4000
	Inches		78.74	98.43	118.11	157.48
Total Height	mm		650	800	1,050	1,300
		Inches	25.59	31.50	41.34	51.18
	mm		700	850	1,100	1,350
		Inches	27.56	33.46	43.31	53.15
	mm		750	900	1,150	1,400
		Inches	29.53	35.43	45.28	55.12
	mm		770	920	1,170	1,420
		Inches	30.31	36.22	46.06	55.91
	mm		800	950	1,200	1,450
	Inches		31.50	37.40	47.24	57.09
			Roller / Air	Roller / Air	Roller / Air	Roller / Air
T-slots (DIN 650 H12)	Size number	mm	28	28	28	28
			16	16	16	16
Centre Bore	mm		250 H7/250 H6	250 H7/250 H6	250 H7/250 H6	250 H7/250 H6
	In approx		10	10	10	10
Loading Capacity	kg		25,000/20,000	40,000/30,000	50,000/40,000	60,000/50,000
	lbs		55,000/44,000	88,000/66,000	11,000/80,000	130,000/110,000
Permitted Machining Force (Axial)	Nm		150,000/40,000	160,000/50,000	170,000/60,000	180,000/70,000
	ft lbs		108,000/28,000	115,000/36,000	122,000/43,000	130,000/50,000
Permitted Machining Force (Radial) ¹	Nm		100,000/15,000	120,000/20,000	150,000/25,000	200,000/30,000
	ft lbs		72,000/10,000	86,000/14,000	108,000/18,000	144,000/21,000
Clamping Moment	Nm		50,000	70,000	90,000	110,000
	ft lbs		36,150	50,610	65,070	79,530
Max. take of Torque ²	Nm		62,000	80,000	100,000	120,000
	ft lbs		44,826	57,840	72,300	86,760
Weight (Approx) ³	kg		20,000	25,000	30,000	40,000
		lbs		44,080	55,100	66,120
	kg		23,000	28,000	33,000	43,000
		lbs		50,692	61,712	72,732
	kg		21,000	26,000	31,000	41,000
		lbs		46,284	57,304	68,324
	kg		25,000	30,000	35,000	45,000
		lbs		55,100	66,120	77,140
	kg		24,000	29,000	34,000	44,000
		lbs		52,896	63,916	74,936

Available options

- Hand Scraped Table Top Surface
- Customized Table Top
- Work piece Clamping System
- Various Motor Drives and intermediate gear boxes
- Prepared for linear axis (saddle)
- Other paint surface finishes
- NC systems to suit your application

Standard Resolution

0.0001 degree (others on request)

Standard Accuracy

+/-15 arc seconds to +/-3 arc seconds. Higher accuracies 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 Dept. (The rights for technical modifications are reserved)

Call Rusach International

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(1) With closed clamping increase by 20%. (2) Actual torque available dependent on power unit. (3) Dead weight w/o motor.

Mechanical Accuracies					
Parallelism	mm	.02 / .01	.03 / .015	.04 / .02	.05 / .025
	Inches	.0008 / .0004	.0012 / .0006	.0016 / .0008	.0012 / .0009
Face Plate Runout	mm	.01 / .005	.015 / .005	.02 / .01	0.04 / .02
	Inches	.0004 / .0002	.0006 / .0002	.0008 / .0004	.0016 / .0008
Runout of Center Bore	mm	.01 / .005	.01 / .005	.01 / .005	.01 / .005
	Inches	.0004 / .0002	.0004 / .0002	.0004 / .0002	.0004 / .0002

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