



6-Series: Rotary Traveling Tables



A Precision Range offering great versatility



Made In The USA

The Rusach Advantages

Application

High accuracies and loading capacities make these tables suitable for both machining and metrology applications.

Rotary Axis Bearing

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

Clamping

Distortion free clamping is achieved by several mechanically preloaded devices which are hydraulically released.

Measuring Systems

High precision Heidenhain angular encoders and rotary inductosyns are standard.

Motors

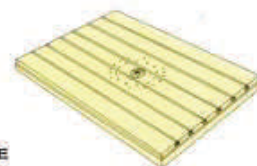
DC and AC servo motors.



ROUND



SQUARE



RECTANGULAR



Every Challenge Has A Solution

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Available Options

- Hand scraped table top surface
- Customized table top
- Workpiece clamping system
- Various motors and intermediate gear boxes
- Other paint surface finishes
- NC systems to suit your application

Standard Resolution

.0001 degree (others on request)

Standard Accuracy

+/-10 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)

Call Rusach International

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Technical Data									
Table Type	Round	6-1010	6-1212	6-1616	6-2020	6-2525	6-3030	6-4040	
		6-1012	6-1216	6-1620	6-2025	6-2530	6-3040	6-4050	
	Square	6-101010	6-121212	6-161616	6-202020	6-252525	6-303030	6-404040	
		6-101212	6-121616	6-162020	6-205525	6-253030	6-304040	6-405050	
	Rectan-	6-101012	6-121216	6-161620	6-202025	6-252530	6-303040	6-404050	
Table Diameter	mm	1000	1250	1600	2000	2500	3000	4000	
		Inches	39	49	63	79	98	118	157
	mm	1250	1600	2000	2500	3000	4000	5000	
		Inches	49	63	79	98	118	157	197
Table Size	mm	1000x1000	1250x1250	1600x1600	2000x2000	2500x2500	3000x3000	4000x4000	
		Inches	39x39	49x49	63x63	79x79	98x98	118x118	157x157
	mm	1250x1250	1600x1600	2000x2000	2500x2500	3000x3000	4000x4000	5000x5000	
		Inches	49x49	63x63	79x79	98x98	118x118	157x157	197x197
mm	1000x1250	1250x1600	1600x2000	2000x2500	2500x3000	3000x4000	4000x5000		
	Inches	39x49	49x63	63x79	79x98	98x118	118x157	157x197	
Travel	mm	1,250	1,600	2,000	2,500	3,000	4,000	5,000	
	Inches	49	63	79	98	118	157	197	
Base Dimension	mm	3000x1000	3750x1250	4600x1600	5700x2000	6900x2500	8700x3000	11000x4000	
	Inches	118x39	148x49	181x63	224x79	272x98	343x118	433x157	
Total Height	mm	820	880	1,100	1,300	1,400	1,500	1,550	
		Inches	32.28	34.65	43.31	51.18	55.12	59.06	61.02
	mm	830	900	1,120	1,320	1,450	1,530	1,580	
		Inches	32.68	35.43	44.09	51.97	57.09	60.24	62.20
	mm	840	910	1,130	1,320	1,450	1,530	1,580	
		Inches	33.07	35.83	44.49	51.97	57.09	60.24	62.20
mm	850	920	1,140	1,350	1,470	1,550	1,600		
	Inches	33.46	36.22	44.88	53.15	57.87	61.02	62.99	
mm	850	920	1,140	1,350	1,470	1,550	1,600		
	Inches	33.46	36.22	44.88	53.15	57.87	61.02	62.99	
T-slots	Size number	mm	18	22	22	28	28	28	28
		Inches	12	8	8	16	16	16	16
Centre Bore H7	mm	50	100	100	250	250	250	250	
	Inches	1.97	3.94	3.94	9.84	9.84	9.84	9.84	
Loading Capacity	kg	12,000	16,000	20,000	30,000	40,000	63,000	80,000	
	lbs	26,448	35,264	44,080	66,120	88,160	138,852	176,320	
Permitted Machining Force	N	80,000	100,000	120,000	150,000	160,000	170,000	180,000	
	lbs	17,632	22,040	26,488	33,060	35,264	37,468	39,672	
Permitted Overturning Moment (1)	Nm	40,000	60,000	80,000	100,000	120,000	150,000	200,000	
	ft lbs	28,920	43,380	57,840	72,300	86,760	108,450	144,600	
Clamping Moment	Nm	22,000	30,000	40,000	50,000	70,000	90,000	110,000	
	ft lbs	15,906	21,690	28,920	36,150	50,610	65,070	79,530	
Max. take of Torque (2)	Nm	19,000	27,000	60,000	62,000	80,000	100,000	120,000	
	ft lbs	13,737	19,521	43,380	44,826	57,840	72,300	76,760	
Weight Approx (3)	kg	4,000	7,500	13,000	20,000	27,000	40,000	57,000	
		lbs	9,918	16,530	28,652	44,080	59,508	88,160	125,628
	kg	5,400	8,500	15,000	23,000	31,000	45,000	65,000	
		lbs	11,902	18,734	33,060	50,692	68,324	99,180	143,260
	kg	5,400	8,500	15,000	23,000	31,000	45,000	65,000	
		lbs	11,902	18,734	33,060	50,692	68,324	99,180	143,260
kg	6,000	9,000	16,000	27,000	36,000	50,000	72,000		
	lbs	13,234	19,836	35,264	59,508	79,344	110,200	158,688	
kg	6,000	9,000	16,000	27,000	36,000	50,000	72,000		
	lbs	13,234	19,836	35,264	59,508	79,344	110,200	158,688	

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

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