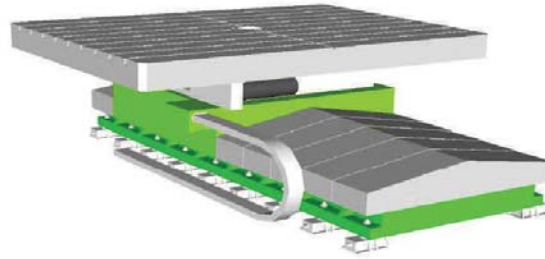




Rusach International

6-Series: Rotary Traveling Tables

1,000mm thru 5,000mm



Made in the USA

The Rusach Advantages

Application

Suitable for both machining and metrology applications, with high accuracies and heavy load capacities. Size ranges thru 5,000mm. Smaller, larger and custom sizes engineered on request.

Rotary Axis Bearing

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

Clamping

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

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.

Platens



Standard Resolution

.0001 degree, others available on request.

Clamp Release Pressure

90 bar or 130 psi.



100 Raymond Street, Hope, IN, USA 47246 www.rusach.com 317-638-0298 sales@rusach.com

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6-Series: Rotary Traveling Tables

Smaller, larger and custom tables quoted on request

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.

Technical Data									
Table Designation	Round		6-10D1000	6-12D1250	6-16D1600	6-20D2000	6-25D2500	6-30D3000	6-40D4000
			6-10D1250	6-12D1600	6-16D2000	6-20D2500	6-25D3000	6-30D4000	6-40D5000
	Square		6-10 1000x1000	6-12 1250x1250	6-16 1600x1600	6-20 2000x2000	6-25 2500x2500	6-30 3000x3000	6-40 4000x4000
			6-10 1250x1250	6-12 1600x1600	6-16 2000x2000	6-20 2500x2500	6-25 3000x3000	6-30 4000x4000	6-40 5000x5000
	Rectangle		6-10 1000x1250	6-12 1250x1600	6-16 1600x2000	6-20 2000x2500	6-25 2500x3000	6-30 3000x4000	6-40 4000x5000
Table Size	Round	mm	1000	1250	1600	2000	2500	3000	4000
		Inches	39.37	49.21	62.99	78.74	98.43	118.11	157.48
		mm	1250	1600	2000	2500	3000	4000	5000
		Inches	49.21	62.99	78.74	98.43	118.11	157.48	196.85
	Square	mm	1000x1000	1250x1250	1600x1600	2000x2000	2500x2500	3000x3000	4000x4000
		Inches	39.37x39.37	49.21x49.21	62.99x62.99	78.74x78.74	98.43x98.43	118.11x118.11	157.48x157.48
		mm	1250x1250	1600x1600	2000x2000	2500x2500	3000x3000	4000x4000	5000x5000
		Inches	49.21x49.21	62.99x62.99	78.74x78.74	98.43x98.43	118.11x118.11	157.48x157.48	196.85x196.85
Rectangle	mm	1000x1250	1250x1600	1600x2000	2000x2500	2500x3000	3000x4000	4000x5000	
	Inches	39.37x49.21	49.21x62.99	62.99x78.74	78.74x98.43	98.43x118.11	118.11x157.48	157.48x196.85	
Travel	mm	1,250	1,600	2,000	2,500	3,000	4,000	5,000	
	Inches	49.21	62.99	78.74	98.43	118.11	157.48	196.85	
Base Dimension	mm	3000x1000	3750x1250	4600x1600	5700x2000	6900x2500	8700x3000	11000x4000	
	Inches	118.11x39.37	147.64x49.21	181.10x62.99	224.41x78.74	271.65x98.43	342.52x118.11	433.07x157.48	
Total Height	Round	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
	Square	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
Rectangle	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. w/o motor	Round	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
	Square	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
Rectangle	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.

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