

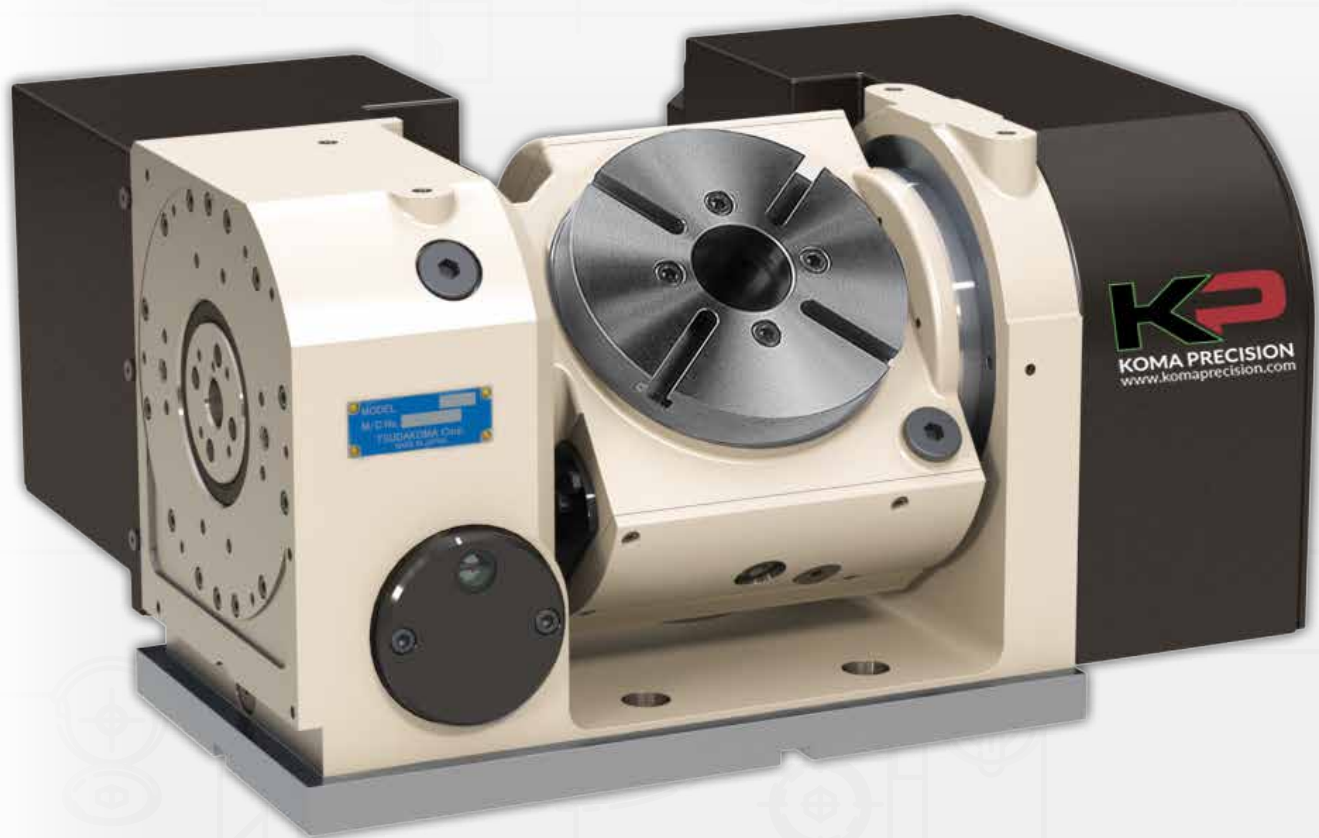


KOMA PRECISION
THE KEY TO PERFORMANCE
www.komaprecision.com

TSUDAKOMA

Rotary Table Selection Guide

2022



WE FOCUS ON BEING THE BEST—
that's why leading companies choose Koma.

WE ARE THE EXCLUSIVE NORTH AMERICAN
IMPORTER, NATIONAL DISTRIBUTOR, AND
SERVICE CENTER FOR TSUDAKOMA ROTARY TABLES.

FANUC
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KOMA PRECISION

ABOUT US

For over forty years Koma Precision has been the foremost source for the finest the world has to offer in machine tool Productivity Innovation.

With over 30,000 rotary table installations, Koma is the largest distributor of Tsudakoma NC rotary tables and indexers in the world. With over 12,000 angle heads and live tools installed, Koma is the world's largest supplier for Alberti - the originator and the foremost innovator of productivity tooling.



ROTARY TABLES



RWE-SERIES



RWA-SERIES



RBS-SERIES



RN-MULTI SERIES
(SHOWN WITH 5C COLLETS)



TWA-SERIES



TBS-SERIES



5TH AXIS TILTING SERIES
RTT-111, CA

ROTARY TABLES

α-D14SiA5 / α-D21SiA5				
RWE SERIES	RWE-160 R,L			
RWA SERIES	RWA-160 R,L			
RBS SERIES	RBS-160			
RN MULTI SERIES	RN-100 R,L	RN-100-2 R,L		
TWA SERIES	TWA-130			
TBS SERIES	TBS-130			
5TH AXIS TILTING	RTT-111, CA			
α-D14MiA5 / α-D21MiA5				
RWE SERIES	RWE-160 R,L	RWE-200 R,L		
RWA SERIES	RWA-160 R,L	RWA-200 R,L		
RBS SERIES	RBS-160			
RN MULTI SERIES	RN-100 R,L	RN-100-2 R,L	RN-100-3 R,L	
TWA SERIES	TWA-130			
TBS SERIES	TBS-130			
5TH AXIS TILTING	RTT-111, CA			
α-D14LiA5 / α-D21LiA5				
RWE SERIES	RWE-160 R,L	RWE-200 R,L		
RWA SERIES	RWA-160 R,L	RWA-200 R,L		
RBS SERIES	RBS-160			
RN MULTI SERIES	RN-100 R,L	RN-100-2 R,L	RN-100-3 R,L	RN-100-4 R,L
TWA SERIES	TWA-130	TWA-160		
TBS SERIES	TBS-130	TBS-160		
5TH AXIS TILTING	RTT-111, CA			



α -D14SiA5 / α -D21SiA5



α -D14MiA5 / α -D21MiA5



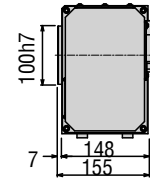
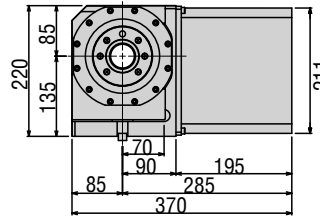
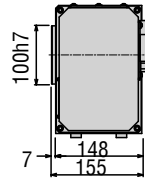
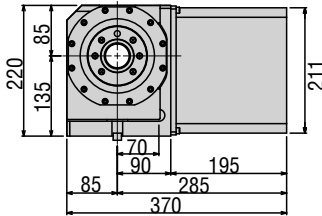
α -D14LiA5 / α -D21LiA5

ROTARY TABLE DIMENSIONS

RWE, RWA,RBS-Series & RN-100R-2,3,4 ROTARY TABLES

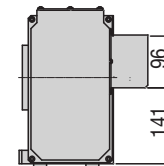
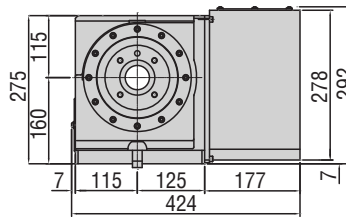
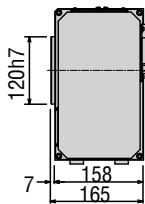
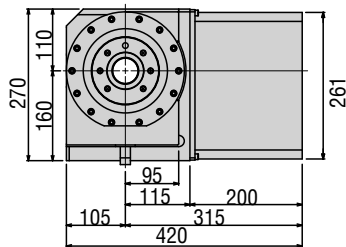
(Drawings Not To Scale)

RWA-160



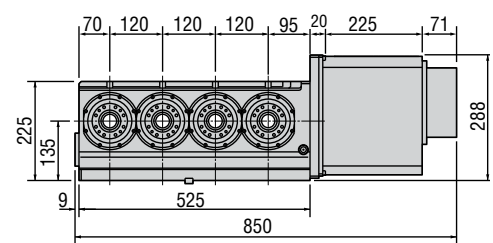
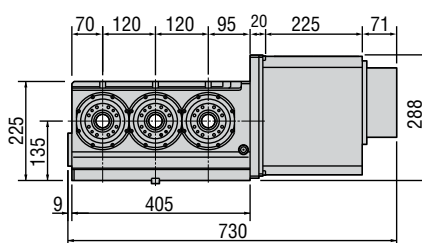
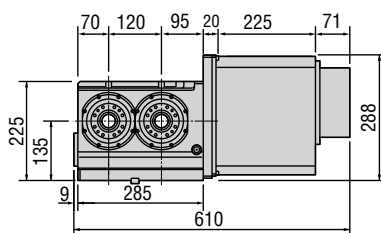
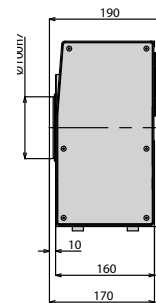
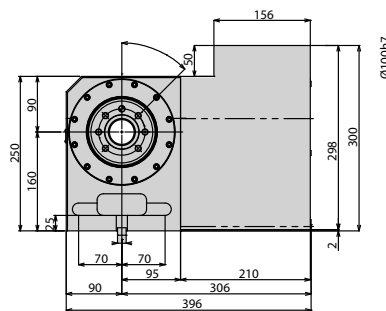
RWE-160

RWA-200



RWE-200

RBS-160



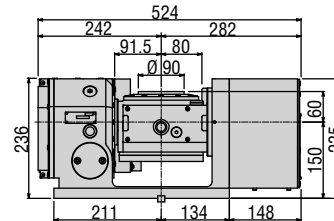
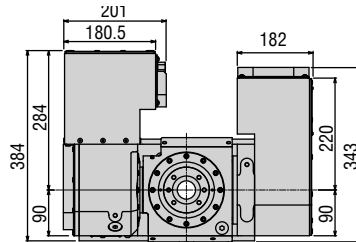
RN-100R-2,3,4

Please contact Koma Precision to confirm Fanuc Robodrill / Tsudakoma Rotary Table working envelope.

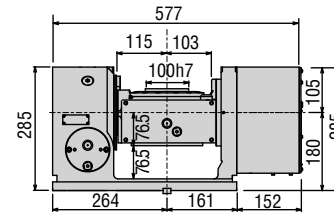
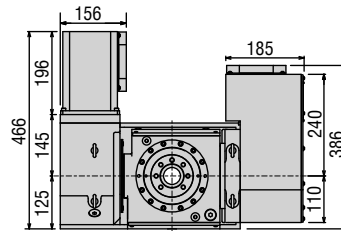
TWA, TBS-Series & RTT-111, CA ROTARY TABLES

(Drawings Not To Scale)

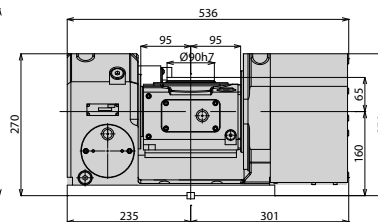
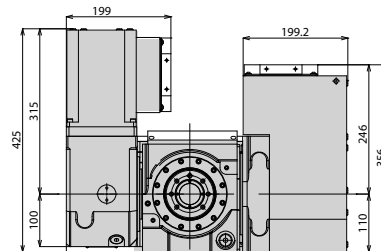
TWA-130



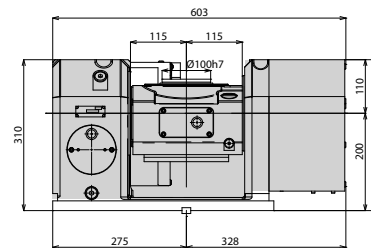
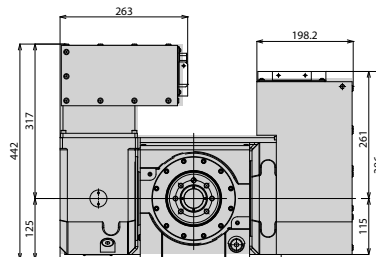
TWA-160



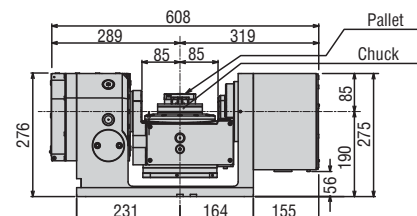
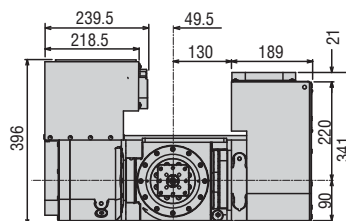
TBS-130



TBS-160



RTT-111 CA



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ROTARY TABLE SPECIFICATIONS

RN-Multi, RWA, RWE & RBS-Series Rotary Tables

Table Model		RN-100	RN-100-2,3,4			RWA-160	RWA-200	RWE-160	RWE-200	RBS-160
Versions available		R, L	R, L			R, L	R, L	R, L	R, L	R, L
Spindle outer diameter		80h7	80h7			100h7	120h7	100h7	120h7	100h7
Table diameter (optional)		(135)	(115)			(160, 200)	(200, 250)	(160, 200)	(200, 250)	(160, 200)
Center height		110	135			135	160	135	160	160
Center bore	Nose Diameter	50H7	50H7			55H7	65H7	55H7	65H7	55H7
	Thru Diameter	30	30			40	45	40	45	40
Table T-slot width (with face plate)		(10H8)	-			(12H8)	(12H8)	(12H8)	(12H8)	12H8
Minimum spindle center distance		-	120			-	-	-	-	-
Guide block width		14h7	18h7			14h7	18h7	14h7	18h7	14h7
Servo motor (Fanuc)*		Alpha 2i	Alpha 4i			Alpha 2i	Alpha 4i	Alpha 2i	Alpha 4i	Alpha 4i
Maximum motor speed	rpm	5,000	5,000			5,000	5,000	5,000	5,000	5,000
Speed reduction ratio		1/36	1/36			1/72	1/72	1/72	1/72	1/36
Number of spindles		-	2	3	4	-	-	-	-	--
Maximum table speed	rpm	83.3@ 3,000	138.8			69.4	69.4	69.4	69.4	138.9
Inertia converted into motor shaft	x 10 ⁻³ kg·m ²	.23	.64	.92	1.06	.09	.17	-	-	0.19
Clamp system		Pneumatic				Pneumatic Dual Taper		Pneumatic Disc Clamp	Pneumatic Disc Clamp	Pneumatic
Clamp torque @72psi	Nm (ft. lbs.)	80 (59)	80 (59)			500 (369)	800 (590)	250 (180)	400 (295)	700 (516)
Indexing accuracy	arc sec.	±22.5	±30			±12.5	±10	±12.5	±10	±7.5
Net Weight	kg (lbs.)	28 (62)	70-110(154-242)			38 (84)	61 (134)	40 (88)	61 (135)	55 (121.2)
Allowable wheel torque	Nm (ft. lbs.)	176 (130)	176 (130)			206 (152)	288 (212)	206 (152)	288 (212)	--
Allowable work inertia	kg·m ²	.10	.10			.64	1.25	.64	1.25	.48
Allowable work weight	 kg (lbs) [w/ tailstock]	25 (55) [50 (110)]	25 (55) [50 (110)]			100 (220) [175 (385)]	125 (275) [250 (550)]	100 (220) [200 (441)]	125 (275) [250 (551)]	100 (200) [200 (440)]
	 kg (lbs)	50 (110)	50 (110)			200 (440)	250 (550)	-	-	200 (440)
Allowable load when table clamped	 N (lbf)	5,880 (1,317)	5,880 (1,317)			10,800 (2,419)	14,400 (3,226)	10,800 (2,419)	14,400 (3,226)	10,800 (2,419)
	 Nm (ft. lbs.)	80 (59)	80 (59)			500 (369)	800 (590)	500 (369)	800 (590)	500 (369)
	 Nm (ft. lbs.)	156 (115)	156 (115)			780 (575)	1,900 (1,400)	780 (575)	1,900 (1,400)	780 (575)

* Other motors & RPM available • Dimensions = mm • Specifications subject to change without notice

UNLOCK YOUR POTENTIAL TODAY!

For Over 40 years Koma Precision Inc. has partnered with Tsudakoma and Alberti, to become the North American leader in machine tool accessories. Both Tsudakoma and Alberti machine tool accessories are built to the highest standards and set the bar for excellence, quality, and performance.

Koma Precision has an installation base of over 30,000 Tsudakoma rotary tables and 25,000 Alberti angle heads and live tools, leading the way with knowledge and experience.

Knowledge and Experience Matter.

Our three facilities totaling 40,000 sq/ft, feature a full machine shop, state-of-the-art inspection and test equipment, and product demonstration showroom. Our Connecticut based headquarters also houses our multi-million-dollar inventory of new products and spare parts.



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