



KOMA PRECISION
THE KEY TO PERFORMANCE
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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.

Takumi

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.



VC-SERIES

VC0852				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160	RBS-250	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	
TBS SERIES	TBS-130	TBS-160		
VC1052				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160R	RBS-250R	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	
TBS SERIES	TBS-130	TBS-160		



VC0852

VC1052

V10				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160R	RBS-250R	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	TN-320
TBS SERIES	TBS-130	TBS-160		
V11				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160R	RBS-250R	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	TN-320
TBS SERIES	TBS-130	TBS-160		
V15				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160R	RBS-250R	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	TN-320
TBS SERIES	TBS-130	TBS-160		



V10



V15

H-SERIES

H10				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160R	RBS-250R	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	TN-320
TBS SERIES	TBS-130	TBS-160		
H12				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160R	RBS-250R	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	TN-320
TBS SERIES	TBS-130	TBS-160		
H16				
RWE SERIES	RWE-160R	RWE-200R		
RWA SERIES	RWA-160R	RWA-200R	RWA-250R	
RBS SERIES	RBS-160R	RBS-250R	RBS-320R	
TWA SERIES	TWA-130	TWA-160	TWA-200	TN-320
TBS SERIES	TBS-130	TBS-160		



H10



H16

ACCESSORIES

	CHUCKS	6 Port Rotary Joint	TAILSTOCKS		SUPPORT SPINDLES		FACEPLATES	CLOSERS
			Manual	Pneumatic (P)	Manual	Pneumatic (P)		
RWE-160R	✓ 6", 8"	✓	✓ TL-135M	--	✓ TS-135	✓ TS-135P	✓ 6", 8"	✓ 5C, 16C
RWE-200R	✓ 8", 10"	✓	✓ TL-160M	--	✓ TS-160	✓ TS-160P	✓ 8", 10"	✓ 5C, 16C
RWA-160R	✓ 6", 8"	✓	✓ TL-135M	--	✓ TS-135	✓ TS-135P	✓ 6", 8"	✓ 5C, 16C
RWA-200R	✓ 8", 10"	✓	✓ TL-160M	--	✓ TS-160	✓ TS-160P	✓ 8", 10"	✓ 5C, 16C
RWA-250R	✓ 10"	✓	✓ TL-160M	--	✓ TS-160	✓ TS-160P	--	✓ 5C, 16C
RWA-320R	✓ 12"	✓	✓ TL-210M	--	✓ TS-210	✓ TS-210P	--	✓ 16C
RBS-160R	✓ 6", 8"	✓	✓ TL-160M	--	✓ TS-160	✓ TS-160P	✓ 6", 8"	✓ 5C, 16C
RBS-250R	✓ 10"	✓	✓ TL-210M	--	✓ TS-210	✓ TS-210P	--	✓ 16C
RBS-320R	✓ 12"	✓	✓ TL-255M	--	✓ TS-255	✓ TS-255P	--	--
TWA-130	✓ 5"	✓	✓ TL-150M	✓ TLP-150	--	--	✓ 5"	✓ 5C
TWA-160	✓ 6"	✓	✓ TL-180M	✓ TLP-180	--	--	✓ 6", 8"	✓ 5C
TWA-200	✓ 8"	✓	✓ TL-210M	✓ TLP-210	--	--	✓ 8", 10"	--
TN-320	✓ 12"	✓	✓ TL-255M	✓ TLP-255	--	--	--	--



CHUCKS



TAILSTOCKS



SUPPORT SPINDLES



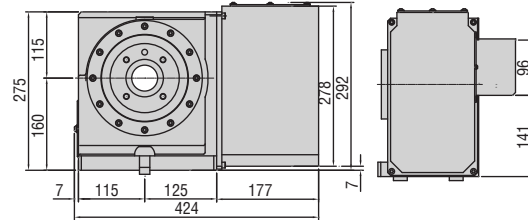
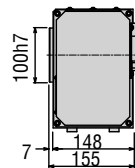
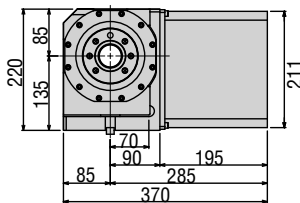
FACEPLATES

ROTARY TABLE DIMENSIONS

RWE, RWA, & RBS SERIES ROTARY TABLE DIMENSIONS

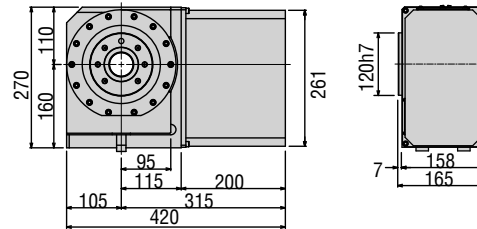
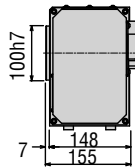
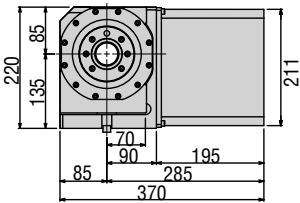
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RWE-160R



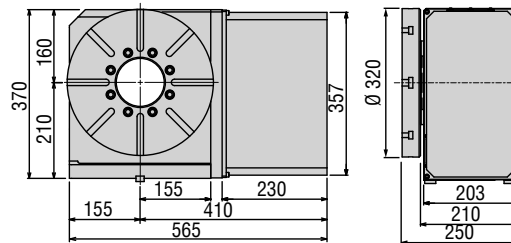
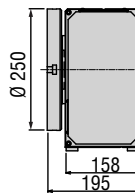
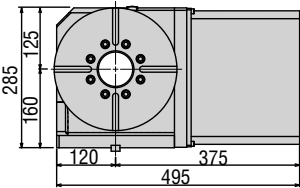
RWE-200R

RWA-160R



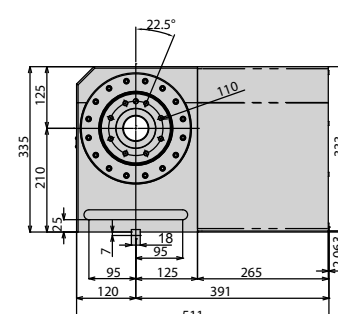
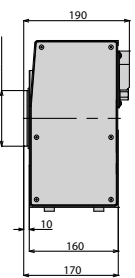
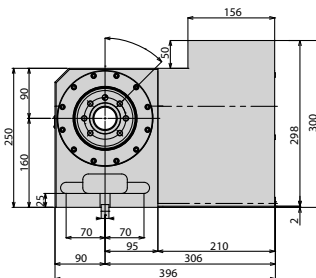
RWA-200R

RWA-250R



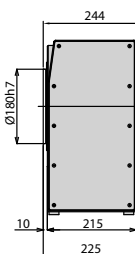
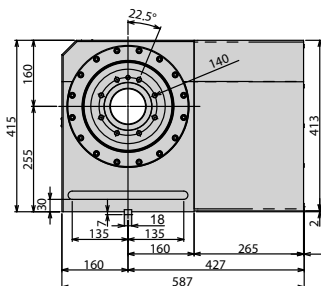
RWA-320R

RBS-160



RBS-250

RBS-320



RWE SERIES



RWA SERIES



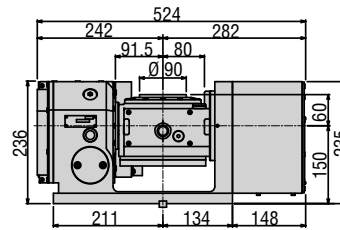
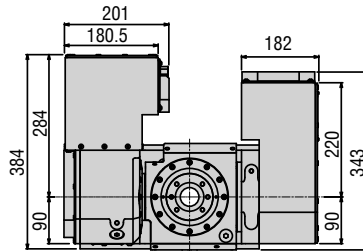
RBS SERIES

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

TWA & TBS Series ROTARY TABLE DIMENSIONS

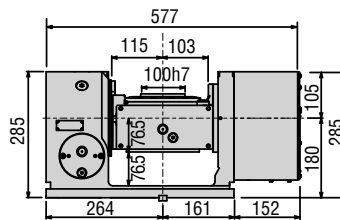
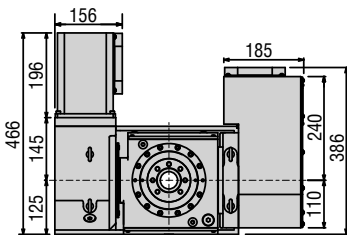
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TWA-130

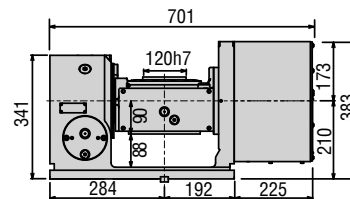
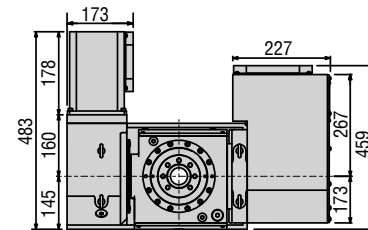


TWA SERIES

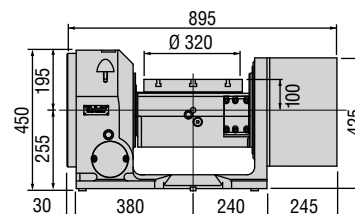
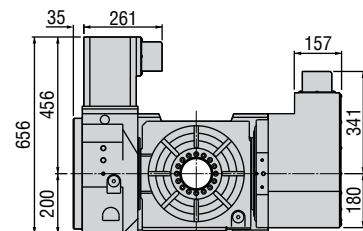
TWA-160



TWA-200

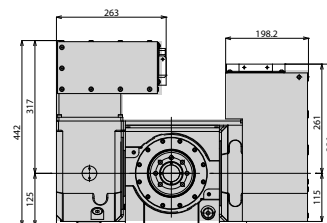
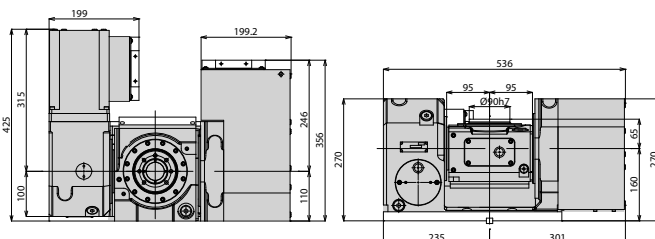


TN-320

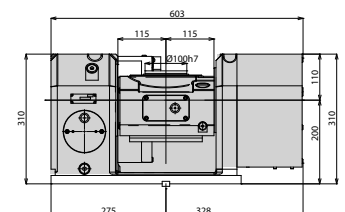
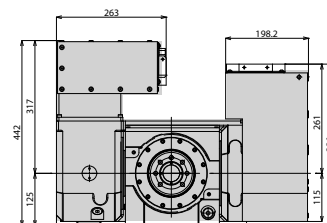


TBS SERIES

TBS-130



TBS-160



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

ROTARY TABLE SPECIFICATIONS

RWA & RWE-Series Rotary Tables

Table Model		RWA-160	RWA-200	RWA-250 (S)	RWA-320 (S)	RWE-160	RWE-200
Versions available		R, L	R, L	R, L	R, L	R, L	R, L
Spindle outer diameter		100h7	120h7	140h7	180h7	100h7	120h7
Table diameter (optional)		(160, 200)	(200, 250)	250	320	(160, 200)	(200, 250)
Center height		135	160	160	210	135	160
Center bore	Nose Diameter	55H7	65H7	80H7	115H7	55H7	65H7
	Thru Diameter	40	45	50	85	40	45
Table T-slot width (with face plate)		(12H8)	(12H8)	12H8	14H7	(12H8)	(12H8)
Minimum spindle center distance		-	-	-	-	-	-
Guide block width		14h7	18h7	18h7	18h7	14h7	18h7
Servo motor (Fanuc)*		Alpha 2i	Alpha 4i	Alpha 8i (8is)	Alpha 8i (22is)	Alpha 2i	Alpha 4i
Maximum motor speed	rpm	5,000	5,000	4,000 (4,000)	4,000 (3,000)	5,000	5,000
Speed reduction ratio		1/72	1/72	1/90 (1/45)	1/120 (1/45)	1/72	1/72
Number of spindles		-	-	-	-	-	-
Maximum table speed	rpm	69.4	69.4	44.4 (88.9)	33.3 (66.6)	69.4	69.4
Inertia converted into motor shaft	x 10 ⁻³ kg·m ²	.09	.17	.41 (.44)	.52 (1.66)	.09	.17
Clamp system		Pneumatic Dual Taper				Pneumatic Disc Clamp	
Clamp torque @72psi	Nm (ft. lbs.)	500 (369)	800 (590)	1,000 (737)	1,500 (1,106)	250 (180)	400 (295)
Indexing accuracy	arc sec.	±12.5	±10	±10	±10	±12.5	±10
Net Weight	kg (lbs.)	38 (84)	61 (134)	80 (176)	145 (319)	40 (88)	61 (135)
Allowable wheel torque	Nm (ft. lbs.)	206 (152)	288 (212)	596 (439)	939 (692)	206 (152)	288 (212)
Allowable work inertia	kg·m ²	.64	1.25	1.95	4.48	.64	1.25
Allowable work weight	 kg (lbs) [w/ tailstock]	100 (220) [175 (385)]	125 (275) [250 (550)]	125 (275) [250 (550)]	175 (385) [375 (825)]	100 (220) [200 (441)]	125 (275) [250 (551)]
	 kg (lbs)	200 (440)	250 (550)	250 (550)	350 (770)	-	-
Allowable load when table clamped	 N (lbf)	10,800 (2,419)	14,400 (3,226)	14,400 (3,226)	24,800 (5,555)	10,800 (2,419)	14,400 (3,226)
	 Nm (ft. lbs.)	500 (369)	800 (590)	1,000 (737)	1,500 (1,106)	500 (369)	800 (590)
	 Nm (ft. lbs.)	780 (575)	1,900 (1,400)	1,900 (1,400)	4,700 (3,464)	780 (575)	1,900 (1,400)

* Other motors & RPM available

** Booster optional

Dimensions = mm

Specifications subject to change without notice

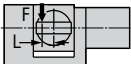
RBS Rotary Tables

Table Model			RBS-160	RBS-250	RBS-320
Versions available			R	R	R
Spindle outer diameter	mm		100h7	140h7	180h7
Table diameter	mm		(160, 200)	250	320
Center height	mm		160	210	255
Center bore	Nose Diameter	mm	55H7	80H7	115H7
	Thru Diameter	mm	40	50	85
Table T-slot width			12H8	12H8	14H8
Guide block width			14h7	18h7	18h7
Servo motor (Fanuc)*			Alpha 4i	Alpha 8i	Alpha 12i
Maximum motor speed	rpm		5,000	4,000	4,000
Speed reduction ratio			1/36	1/36	1/36
Maximum table speed	rpm		138.9	111.1	111.1
Inertia converted into motor shaft	$\times 10^{-3}\text{kg}\cdot\text{m}^2$		0.19	0.42	2.24
Clamp system**			Pneumatic		
Indexing accuracy	arc sec.		± 7.5	± 7.5	± 7.5
Net Weight	kg (lbs.)		55 (121.2)	100 (220)	200 (440)
Allowable wheel torque	Nm (ft. lbs.)		--		
Holding torque @72psi	Nm (ft. lbs.)		700 (516)	1480 (1076)	2580 (1901)
Allowable work inertia	kg·m ²		0.48	1.95	4.48
Allowable work weight	 kg (lbs) [w/ tailstock]		100 (200) [200 (440)]	125 (275) [250 (550)]	175 (385) [350 (770)]
	 kg (lbs)		200 (440)	250 (550)	350 (770)
Allowable load when table clamped	 N (lbf)		10,800 (2,419)	14,400 (3,226)	24,800 (5,555)
	 Nm (ft. lbs.)		500 (369)	1,000 (737)	1,500 (1,106)
	 Nm (ft. lbs.)		780 (575)	1,900 (1,400)	4,700 (3,464)

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

ROTARY TABLE SPECIFICATIONS

TWA & TBS Series Rotary Tables

Model		TWA-130		TWA-160		TWA-200		TN-320		TBS-130		TBS-160	
Tilt Range		-17° ~ +107°		-30° ~ +110°		-30° ~ +110°		-30° ~ +110°		-30° ~ +110°		-30° ~ +110°	
Spindle outer diameter		90h7		100h7		120h7		-		90h7		100h7	
Table diameter (optional)		(135)		160 (200)		200 (250)		320		(135)		(160 or 200)	
Table height at 0° position		210 (235 w/face plate)		235 (260 w/face plate)		270 (300 w/face plate)		355		225 (250 w/faceplate)		270 (300 w/faceplate)	
Center height at 90° position		150		180		210		255		160		200	
Center bore	Nose Diameter (w/face plate)	55H7 (40H7)		55H7 (50H7)		65H7 (60H7)		105H7		55H7 (40H7)		55H7 (50H7)	
	Thru Diameter	35		40		45		102		40		40	
Table T-slot width		12H8 (w/face plate)		12H8 (w/face plate)		12H8 (w/face plate)		14H7		12H8		12H8	
Guide block width		14h7		18h7		18h7		18h7		14h7		18h7	
Servo motor (Fanuc)*		Rotary	Tilt	Rotary	Tilt	Rotary	Tilt	Rotary	Tilt	Rotary	Tilt	Rotary	Tilt
		Alpha 2i	Alpha 2i	Alpha 2i	Alpha 2i	Alpha 4i	Alpha 4i	Alpha 8i	Alpha 8i	Alpha 2i	Alpha 2i	Alpha 2i	Alpha 4i
Maximum motor speed	rpm	5,000	5,000	5,000	5,000	5,000	5,000	4,000	4,000	5,000	5,000	5,000	5,000
Speed reduction ratio		1/60	1/120	1/72	1/120	1/45	1/90	1/120	1/240	1/48	1/60	1/60	1/60
Maximum table speed	rpm	83.3	41.7	69.4	41.7	111.1	55.5	33.3	16.6	104.2	83.3	83.3	83.3
Inertia converted into motor shaft	x 10 ⁻³ kg·m ²	.074	.072	.17	.18	.38	.45	.82	.45	.074	.072	.17	.18
Clamp system		Pneumatic Dual Taper						Hydraulic @500 psi **		Pneumatic			
Clamp torque @72psi	Nm (ft. lbs.)	500 (369)	500 (369)	500 (369)	800 (590)	800 (590)	1,000 (737)	[2,200] [(1,621)]	[2,200] [(1,621)]	700 (516)	700 (516)	700 (516)	700 (516)
Indexing accuracy	arc sec.	±20	-	±15	-	±15	-	±10	-	±10	-	±10	-
Tilting accuracy	arc sec.	-	±22.5	-	±22.5	-	±22.5	-	±22.5	-	±17.5	-	±17.5
Net Weight	kg (lbs.)	76 (167)		127 (279)		190 (418)		440 (968)		125 (276)		160 (353)	
Allowable wheel torque - rotary	Nm (ft. lbs.)	152 (112)		200 (147)		450 (332)		931 (686)		-		-	
Allowable work inertia	kg·m ²	.08		.19		.59		1.53		.08		.19	
Allowable work weight	0° tilt angle 	kg (lbs)	35 (77)	60 (132)	120 (264)	150 (330)	35 (77)	60 (132)					
	0° ~ 90° tilt angle 	kg (lbs)	20 (44)	40 (88)	70 (154)	100 (220)	20 (44)	40 (88)					
Allowable work moment		Nm (ft. lbs.)	24 (17.7)	39.2 (28.9)	53.7 (39.6)	163.3 (120.4)	61.1	59.6					
Allowable load when table clamped		N (lbf)	3,920 (878)	7,840 (1,756)	13,720 (3,073)	19,600 (4,390)	3,920 (878)	10,800					
		Nm (ft. lbs.)	500 (369)	500 (369)	800 (590)	2,200 (1,621)	700 (516)	700 (516)					
		Nm (ft. lbs.)	500 (369)	800 (590)	1,000 (737)	2,200 (1,621)	700 (516)	700 (516)					

* 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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