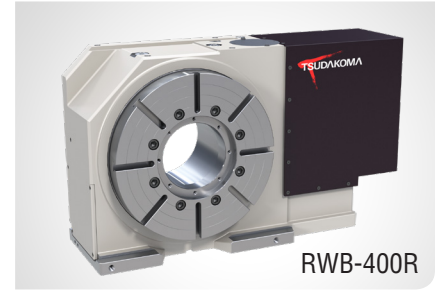


**RWB-250, 320, 400, 500R**

HEAVY DUTY • DUAL DISC HYDRAULIC CLAMPING






The RWB-Series rotary tables are equipped with the finest Tsudakoma technologies. RWB tables utilize a powerful dual disc hydraulic clamping mechanism, and are available with a built-in air/hydraulic booster. RWB-Series worm wheels are manufactured as an assembly consisting of the worm wheel, cross roller bearing, and the main spindle, resulting in unsurpassed accuracy.



RWB-400R

**Specifications ▶**

Dimensions = mm

Table Model		RWB-250	RWB-250,S	RWB-320	RWB-320,S	RWB-400	RWB-500	
Versions available		R, L	R, L	R, L	R, L	R, L	R, L	
Table diameter	mm	250	250	320	320	400	500	
Center height	mm	160	160	210	210	255	310	
Center bore	Nose Diameter	mm	105	95H7	150	130H7	200	220
	Thru Diameter	mm	80	71	120	101	160	182
Table T-slot width		12H7	12H7	14H7	14H7	14H7	18H7	
Guide block width		18h7						
Servo motor (Fanuc)*		Alpha 8i	Alpha 8is	Alpha 12i	Alpha 22is	Alpha 12i	Alpha 12i	
Maximum motor speed	rpm	4,000	4,000	4,000	4,000	4,000	4,000	
Speed reduction ratio		1/90	1/45	1/90	1/45	1/90	1/180	
Maximum table speed	rpm	44.4	88.9	44.4	88.9	44.4	22.2	
Inertia converted into motor shaft	$\times 10^{-3} \text{kg}\cdot\text{m}^2$	1.27	1.0	3.53	3.47	4.63	3.00	
Clamp system**		Hydraulic						
Clamp torque @500psi	Nm (ft. lbs.)	1,300 (958)	1,000 (737)	3,100 (2,284)	2,450 (1,806)	5,500 (3,053)	6,100 (4,496)	
Indexing accuracy	arc sec.	±7						
Repeatability	arc sec.	±2						
Net Weight	kg (lbs.)	125 (286)	100 (220)	250 (550)	180 (396)	360 (792)	620 (1,364)	
Allowable wheel torque	Nm (ft. lbs.)	1,011 (745)	581 (428)	2,127 (1,567)	939 (692)	3,958 (2,917)	3,276 (2,414)	
Allowable work inertia	$\text{kg}\cdot\text{m}^2$	7.0	2.34	19.2	5.12	36	112	
Allowable work weight	 <b>kg (lbs)</b> [w/ tailstock]	175 (385) [350 (770)]	150 (330) [300 (660)]	250 (550) [500 (1,100)]	200 (440) [400 (880)]	300 (660) [600 (1,320)]	600 (1,320) [1,200 (2,460)]	
	 <b>kg (lbs)</b>	350 (770)	300 (660)	500 (1,100)	400 (880)	600 (1,320)	1,200 (2,640)	
Allowable load when table clamped	 <b>N (lbf)</b>	35,000 (7,700)	19,600 (4,390)	89,000 (19,580)	29,400 (6,586)	109,000 (23,980)	240,000 (52,800)	
	 <b>Nm (ft. lbs.)</b>	1,300 (958)	1,000 (737)	3,100 (2,284)	2,450 (1,806)	5,500 (4,053)	7,600 (5,601)	
	 <b>Nm (ft. lbs.)</b>	1,500 (1,105)	980 (722)	5,300 (3,906)	3,626 (2,672)	7,800 (5,748)	17,000 (12,529)	

\* Other motors & RPM available

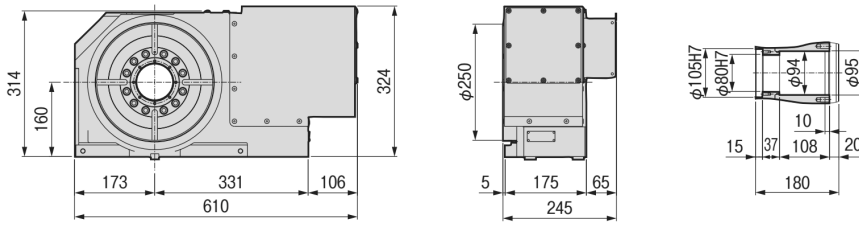
\*\* Booster optional

Specifications subject to change without notice

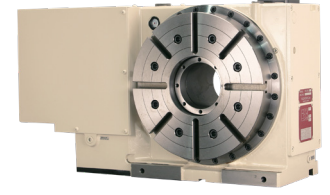
## Dimensions ►

Drawings not to scale • Dimensions = mm

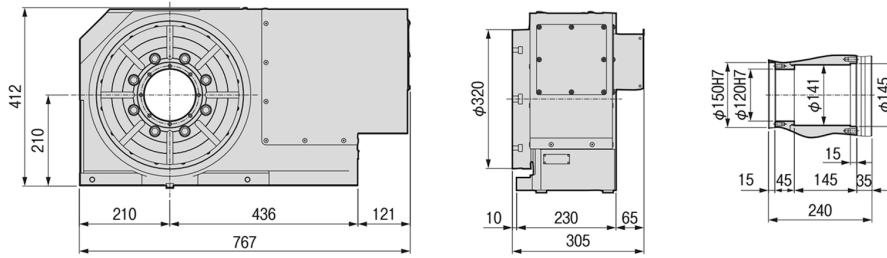
### RWB-250R



### • RWB-320L



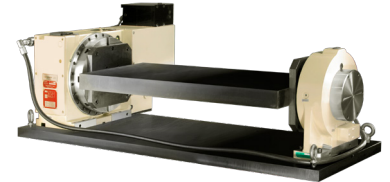
### RWB-320R



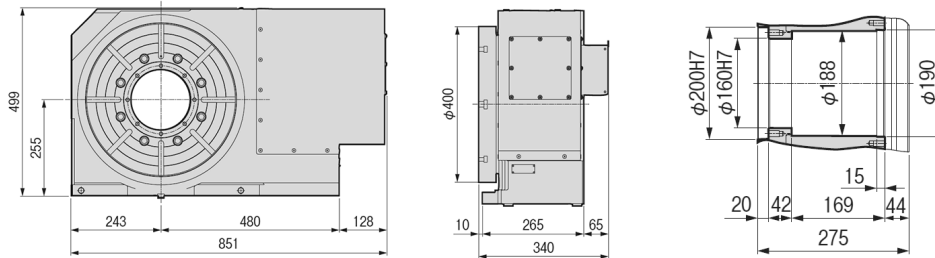
### • RWB-320R • TSH-210

#### Support Spindle

The rotary table and hydraulic support spindle are mounted on a custom baseplate and joined to a specially designed trunnion fixture.



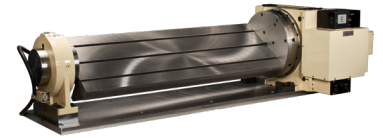
### RWB-400R



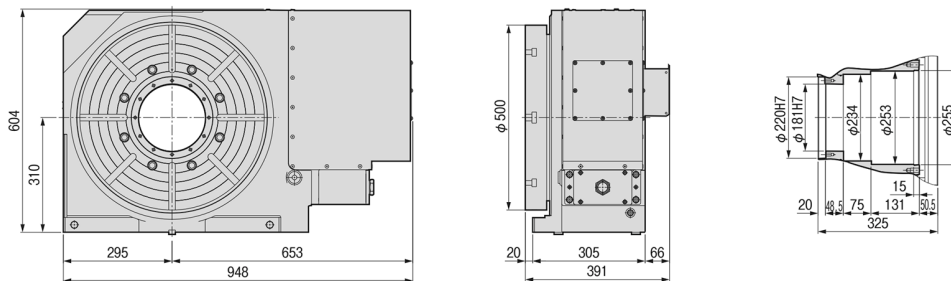
### • RWB-400R • TSH-210

#### Support Spindle

The rotary table and hydraulic support spindle are mounted on a custom baseplate and joined to a specially designed trunnion fixture. The support spindle is raised to match the RWB-400 255mm center height.



### RWB-500R



### Options & Accessories

TPC NC Controller	p.68
Chucks	p.79
Tailstock	p.81
Support Spindle	p.81
Face Plate	p.83
Encoder / Scale	p.84
Pull Stud Device	p.85
Rotary Joint	p.85
PVC or Steel Cables	p.86

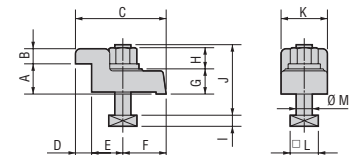
The dimensions above are for tables with a FANUC servo motor. Other motors available (dimensions may increase).

## Clamping Block and Bolt ►

Dimensions = mm

	Type	Q'ty	T-Slot Width	A	B	C	D	E	F	G	H	I	J	K	L	M
RWB-250	I	4	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RWB-320	I	4	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RWB-400	I	4	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RWB-500	I	4	18	40	20	110	18	42	50	25	21	11	70	46	28	16

### Type I



Note: When using a machine with a T-slot pitch other than the above, use suitable clamping blocks and bolts that are available on the market, or order custom-made ones from KOMA (opt.)