

Big bore type

RWB

RWB- 250•320• 400•500•630

Our flagship models equipped with state-of-the-art TSUDAKOMA technology. It realizes stronger clamping torque and strength of worm gears than previous model. A larger through-bore size enables more ports number of rotary joint.



RWB-400R

Unit: mm

Specifications

		RWB-250	RWB-320	RWB-400	RWB-500	RWB-630
Handedness	R	○	○	○	○	○
	L	○	○	○	○	—
Table diameter		φ 250	φ 320	φ 400	φ 500	φ 630
Center height		160	210	255	310	400
Center bore	Nose diameter	φ 105H7	φ 150H7	φ 200H7	φ 220H7	φ 220H7
	Through-bore	φ 80	φ 120	φ 160	φ 181	φ 181
Table T-slot width		12H7	14H7	14H7	18H7	18H7
Guide block width		18h7	18h7	18h7	18h7	18h7
Servo motors (for FANUC)		α iF8	α iF12	α iF12	α iF12	α iF22
Inertia converted into motor shaft	$\times 10^{-3} \text{kg} \cdot \text{m}^2$	1.27	3.53	4.63	4.25	4.36
Net weight	kg	125	250	360	620	800
Speed reduction ratio		1/90	1/120	1/120	1/180	1/180
Table max. rpm	min^{-1} (Motor rpm: 2,000 min^{-1})	22.2	16.6	16.6	11.1	11.1
Indexing accuracy (the sum)	sec	14	14	14	14	14
Clamp system		Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)
Clamp torque /Hydraulic pressure 3.5MPa	N·m	1,300 (3.5MPa) 2,000 (4.9MPa)	3,100 (3.5MPa) 4,700 (4.9MPa)	5,500 (3.5MPa) 8,000 (4.9MPa)	7,600 (3.5MPa) 11,000 (4.9MPa)	7,600 (3.5MPa) 11,000 (4.9MPa)
Strength of worm gears	N·m	1,011	2,127	3,958	5,601	5,601
Allowable work weight	Vertical setting 	kg	175	250	300	600
	Vertical setting (with tailstock)		350	500	600	1,200
	Vertical setting (with SSB)		900	1,500	1,800	3,600
	Horizontal setting 	kg	350	500	600	1,200
Allowable load (when table is clamped)	F 	N	35,000	89,000	109,000	240,000
	F×L 	N·m	1,300 (3.5MPa) 2,000 (4.9MPa)	3,100 (3.5MPa) 4,700 (4.9MPa)	5,500 (MPa) 8,000 (MPa)	7,600 (3.5MPa) 11,000 (4.9MPa)
	F×L 	N·m	1,500	5,300	7,800	17,000
	Allowable work inertia $J = \frac{W \cdot D^2}{8}$ 	$\text{kg} \cdot \text{m}^2$	7	19	36	112

CE correspondence model

For tables with a diameter of 800 or more, please order a big bore type of the following models:

Tables diameter	Model	Center bore	Specifications
φ 800	RCV-800	φ 360	P.32
φ 1000	RCV-1000	φ 410	P.32
φ 1250	RCV-1250	φ 500	P.32

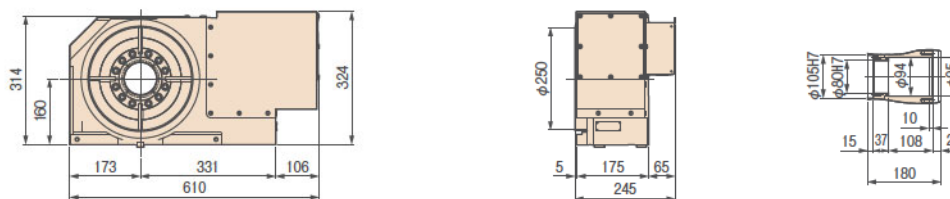
Tech. Info. Servo motors of other manufacturers **P.68**

Option High-precision Spec. **P.64** Pull Stud **P.66**
Rotary Joint **P.66** Air-hydraulic Booster **P.67**

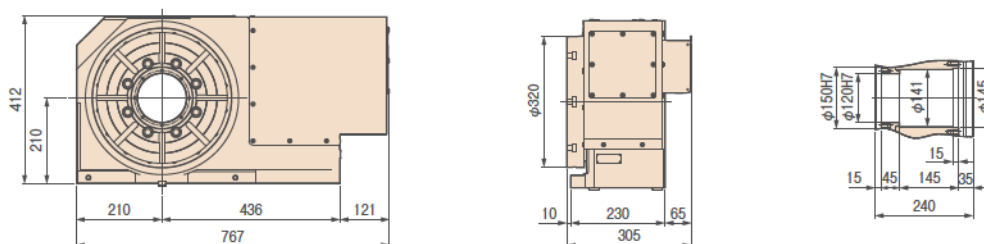
Dimensions

Unit: mm

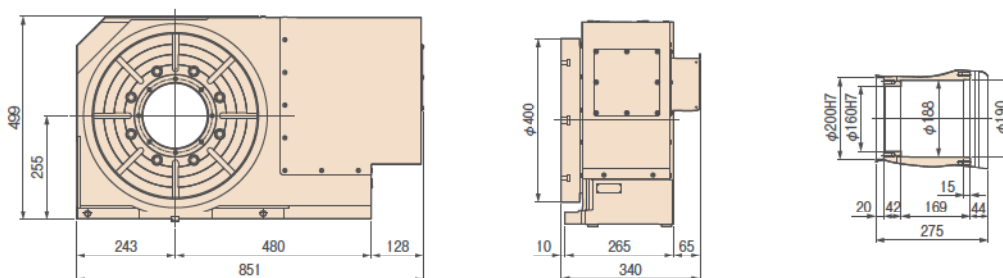
RWB-250R



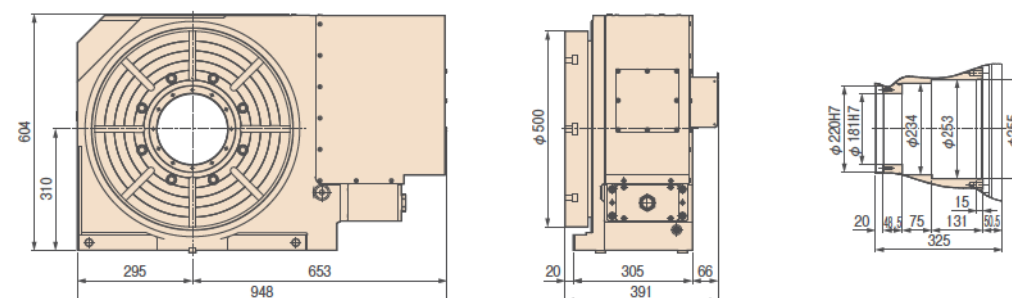
RWB-320R



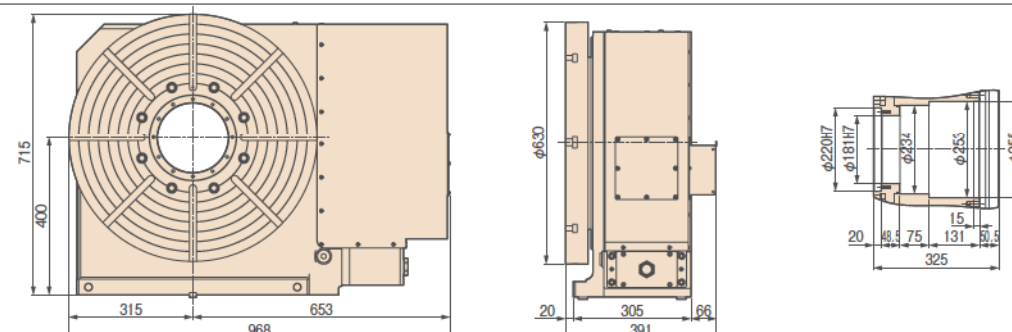
RWB-400R



RWB-500R



RWB-630



Note: The above dimensions are for FANUC servo motors. The dimensions of servo motors of other manufacturers may be larger.

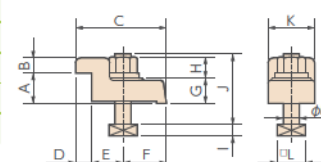
Clamping block and bolt

Unit: mm

	Type	Q'ty	T-slot pitch	T-slot width	A	B	C	D	E	F	G	H	I	J	K	L	M
RWB-250	I	4	50 to 125	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RWB-320	I	4	73 to 162	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RWB-400	I	4	73 to 193	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RWB-500	I	4	73 to 233	18	40	20	110	18	42	50	25	21	11	70	46	28	16
RWB-630	I	4	73 to 233	18	40	20	110	18	42	50	25	21	11	70	46	28	16

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 TSUDAKOMA. (Option)

Type I



RBS

RBH

Multi-Spindle
RBM

TBS

RWE/RWA
RN

RWH

RWA-B
RNCV-B

RWB

RWB-K
RNCK

RCB

RCH
RNC

RCV

Multi-Spindle
RWM

TWA/TN

TWB
TTNC

Multi-Spindle
TWM

RDS

RTV
RTT

TDS
TDB

NC Controllers

Accessories

Options

Technical
Information