

Rear motor mounting type

RWE/RWA-B

RWE- 160R,B•200R,B
RWA- 160R,B•200R,B•250R,B•320R,B

RNCV-B RNCV-401R,B



RWE-160R,B

One of the most popular rear motor mounting types. Suitable for mounting on a compact machine tool for space saving.

Specifications

Unit: mm

		RWE/RWA-160R,B	RWE/RWA-200R,B	RWA-250R,B	RWA-320R,B	RNCV-401R,B	
Handedness	R	○	○	○	○	○	
	L	—	—	—	—	—	
Spindle diameter		φ 100	φ 120	φ 140	φ 180	—	
Table diameter*1		φ 160 or 200 (Option)	φ 200 or 250 (Option)	φ 250 (Option)	φ 320 (Option)	φ 400	
Center height		135	160	160	210	255	
Center bore	Nose diameter	φ 55H7×45	φ 65H7×45	φ 80H7×45	φ 115H7×45	φ 40H7×21	
	Through-bore	φ 40	φ 45	φ 50	φ 85	φ 40	
Table T-slot width*1		12H8	12H8	12H8	14H8	14H8	
Guide block width		14h7	18h7	18h7	18h7	18h7	
Servo motors (for FANUC)		αiS2	αiS4	αiS8	αiS8	αiF12	
Inertia converted into motor shaft × 10 ⁻³ kg·m ²		0.56	0.64	0.97	0.84	4.01	
Net weight kg		55	77	95	165	330	
Speed reduction ratio		1/72	1/72	1/90	1/120	1/180	
Table max. rpm min ⁻¹ (Motor rpm: 3,000min ⁻¹)		41.6	41.6	33.3	25	11.1	
Indexing accuracy (the sum) sec		25	20	20	20	15	
Clamp system		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Hydraulic or air-hydraulic (Option)	
Clamp torque /pneumatic pressure 0.49MPa	N·m	250 (RWE)	400 (RWE)	1,000	1,500	1,764 (Hydraulic pressure 3.5MPa)	
		500 (RWA)	800 (RWA)				
Strength of worm gears		206	288	596	939	1,666	
Allowable work weight	Vertical setting F ↓ W () : with tailstock	kg	100 (200)	125 (250)	125 (250)	175 (350)	200 (500)
	F ↓ F × L	N	10,800	14,400	14,400	24,800	39,200
Allowable load (when table is clamped)	F ↓ F × L	N·m	500	800	1,000	1,500	1,764
	F ↓ F × L	N·m	780	1,900	1,900	4,700	2,450
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$ φD W	kg·m ²	0.64	1.25	1.95	4.48	9.7

☞ Servo motors of other manufacturers **P.66**

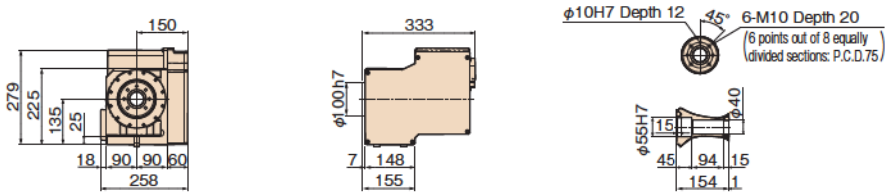
☞ When assembling a faceplate or a fixture with the main spindle(RWE/RWA-B-series) **P.76**

* 1 The tolerance of the table T-slot width is applicable to four standard slots arranged crosswise. ☞ Dimensions **P.60**

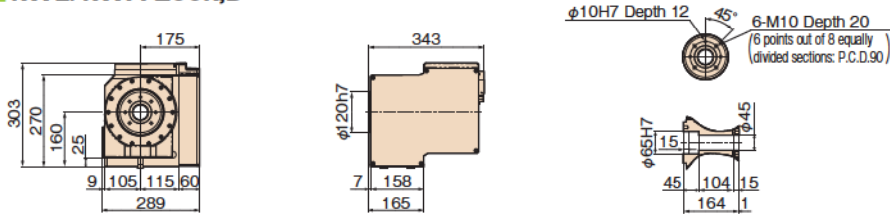
Dimensions

Unit: mm

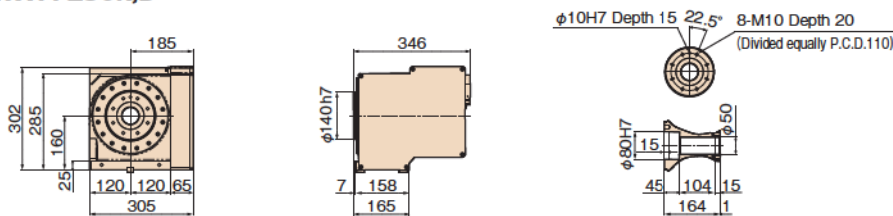
RWE/RWA-160R,B



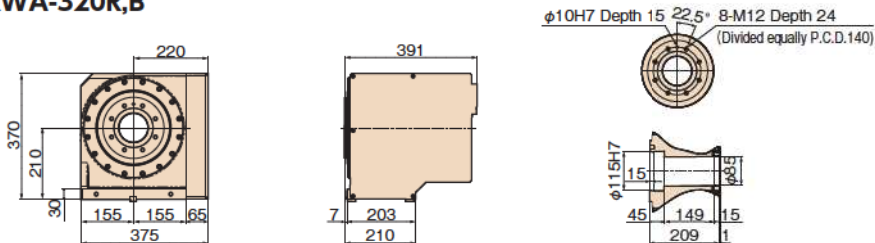
RWE/RWA-200R,B



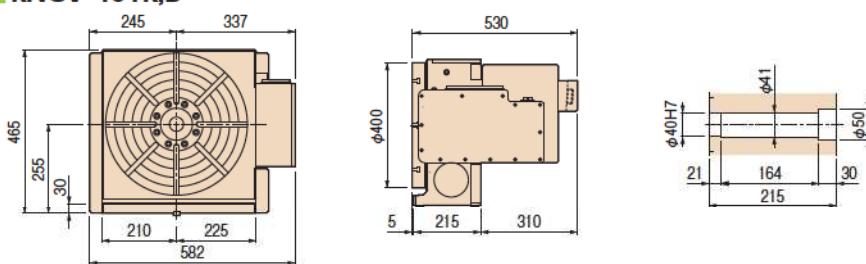
RWA-250R,B



RWA-320R,B



RNCV-401R,B



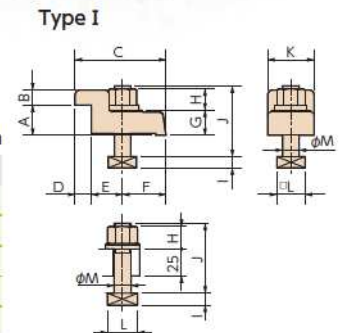
Note: The above dimensions are for FANUC servo motors. The dimensions of servo motors of other manufacturers may be larger.

Clamping block and bolt

	Type	Q'ty	T-slot pitch	T-slot width	A	B	C	D	E	F	G	H	I	J	K	L	M
RWE/RWA-160R,B	—	2	—	14	—	—	—	—	—	—	—	17	8	60	—	23	12
RWE/RWA-200R,B	—	2	—	18	—	—	—	—	—	—	—	21	11	65	—	28	16
RWA-250R,B	I	4	50~100	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RWA-320R,B	I	4	50~132	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RNCV-401R,B	I	4	55~155	18	30	15	90	16	31	43	25	21	11	70	46	28	16

Note 1: 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)

Note 2: Clamping blocks are not included in the RWE/RWA-160R,B and RWE/RWA-200R,B.



- RBS
- TBS
- RWE/RWA-RN
- RWE/RWA-B RNCV-B
- RNCM
- RWB
- RWB-K RNCK
- RCH RNC
- RCV RNCV
- Multi-Spindle RWM
- TWA/TN
- TTNC
- THNC
- Multi-Spindle TWM
- RDS
- RTV RTT
- RCB
- NC Controllers
- Accessories
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- Technical Information