

Rear motor mounting type

RWA-B

RWA- 160R,B•200R,B•250R,B•320R,B

RNCV-B

RNCV-401R,B



RWA-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

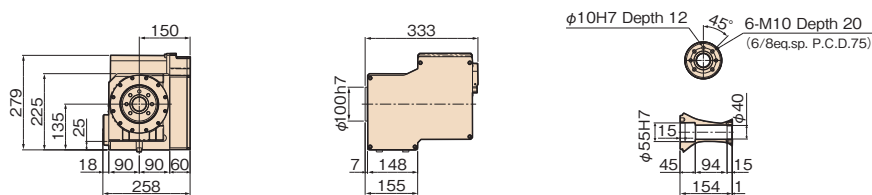
		RWA-160R,B	RWA-200R,B	RWA-250R,B	RWA-320R,B	RNCV-401R,B
Handedness	R	○	○	○	○	○
	L	—	—	—	—	—
Spindle diameter		φ 100	φ 120	φ 140	φ 180	—
Table diameter		φ 160 or 200 (Option)	φ 200 or 250 (Option)	φ 250 (Option)	φ 320 (Option)	φ 400
Center height		135	160	160	210	255
Center bore	Nose diameter	φ 55H7×45	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		12H8	12H8	12H8	14H8	14H8
Guide block width		14h7	18h7	18h7	18h7	18h7
Servo motors (for FANUC)		α iS2	α iS4	α iS8	α iS8	α iF12
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	500	800	1,000	1,500	1,764 (Hydraulic pressure 3.5Mpa)
Strength of worm gears	N·m	206	288	596	939	1,666
Allowable work weight	kg Vertical setting () : with tailstock	100 (200)	125 (250)	125 (250)	175 (350)	200 (500)
F	N	10,800	14,400	14,400	24,800	39,200
Allowable load (when table is clamped)	F×L N·m	500	800	1,000	1,500	1,764
F×L	N·m	780	1,900	1,900	4,700	2,450
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$ kg·m ²	0.64	1.25	1.95	4.48	9.7

CE correspondence model (excluding RNCV-B)
Tech. Info. Servo motors of other manufacturers **P.68** When assembling a faceplate or a fixture with the main spindle **P.79**
Option High-precision Spec. **P.64**

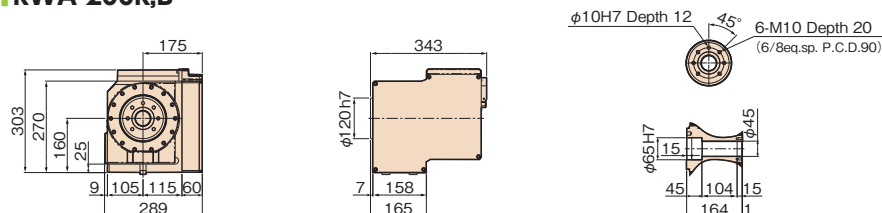
Dimensions

Unit: mm

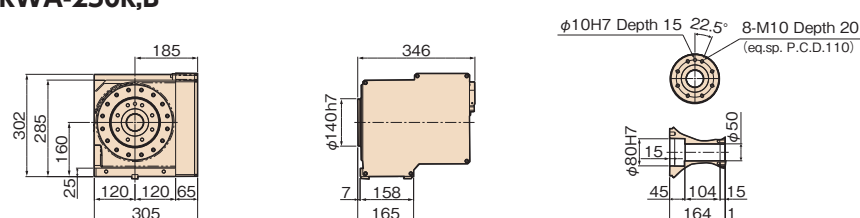
RWA-160R,B



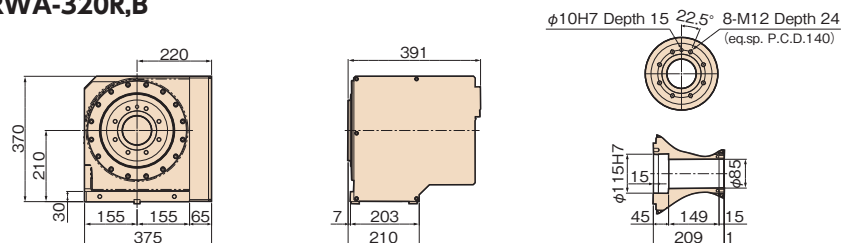
RWA-200R,B



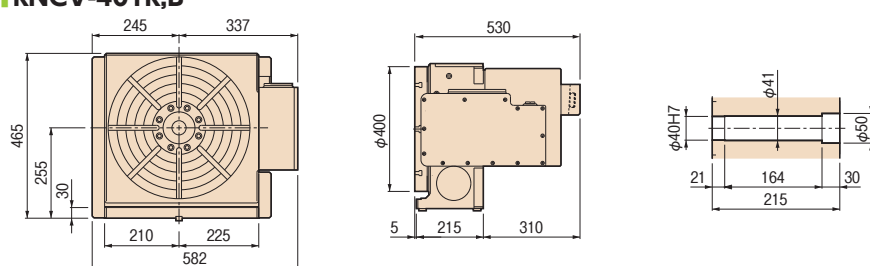
RWA-250R,B



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

Unit: mm

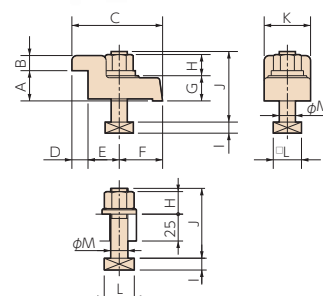
	Type	Q'ty	T-slot pitch	T-slot width	A	B	C	D	E	F	G	H	I	J	K	L	M
RWA-160R,B	—	2	—	14	—	—	—	—	—	—	—	17	8	60	—	23	12
RWA-200R,B	—	2	—	18	—	—	—	—	—	—	—	21	11	65	—	28	16
RWA-250R,B	I	4	50 to 100	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RWA-320R,B	I	4	50 to 132	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RNCV-401R,B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



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