

Standard type

RWE/RWA

RWE-160•200
RWA-160•200•250•320

RN RN-100



RWA-160R

The RWE/RWA series, an improvement on the best-selling, has remarkably improved cost efficiency due to its high-speed operation for use in drill and tapping machines.

Specifications

Unit: mm

		RWE/RWA-160	RWE/RWA-200	RWA-250	RWA-320	RN-100
Handedness	R	○	○	○	○	○
	L	○	○	○	○	○
	K	○ (RWA only)	○ (RWA only)	—	—	—
Spindle diameter		φ 100	φ 120	φ 140	φ 180	φ 80
Table diameter*1		φ 160 or 200 (Option)	φ 200 or 250 (Option)	φ 250 (Option)	φ 320 (Option)	φ 135 (Option)
Center height		135	160	160	210	110
Center bore	Nose diameter	φ 55H7×45	φ 65H7×45	φ 80H7×45	φ 115H7×45	φ 50H7×45
	Through-bore	φ 40	φ 45	φ 50	φ 85	φ 30
Table T-slot width		12H8	12H8	12H8	14H8	10H8
Guide block width		14h7	18h7	18h7	18h7	14h7
Servo motors (for FANUC)		αiS2	αiS4	αiS8	αiS8	αiF2
Inertia converted into motor shaft	×10 ⁻³ kg·m ²	0.09	0.17	0.41	0.52	0.23
Net weight	kg	40	61	80	150	28
Speed reduction ratio		1/72	1/72	1/90	1/120	1/36
Table max. rpm	min ⁻¹ (Motor rpm: 3,000min ⁻¹)	41.6	41.6	33.3	25	83.3
Indexing accuracy (the sum)		25	20	20	20	45
Clamp system		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Clamp torque /pneumatic pressure 0.49MPa	N·m	250 (RWE)	400 (RWE)	1,000	1,500	80
		500 (RWA)	800 (RWA)			
Strength of worm gears	N·m	206	288	596	939	176
Allowable work weight	Vertical setting () : with tailstock	100 (200)	125 (250)	125 (250)	175 (350)	25 (50)
	Horizontal setting	200	250	250	350	50
Allowable load (when table is clamped)	F	10,800	14,400	14,400	24,800	5,880
	F×L	250 (RWE) 500 (RWA)	400 (RWE) 800 (RWA)	1,000	1,500	80
	F×L	780	1,900	1,900	4,700	156
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$	0.64	1.25	1.95	4.48	0.10

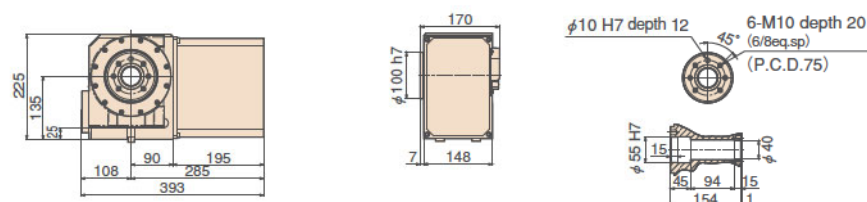
CE correspondence model

- 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** Rotary Joint **P.66**

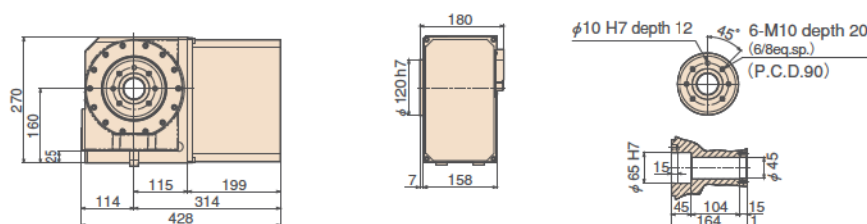
Dimensions

Unit:mm

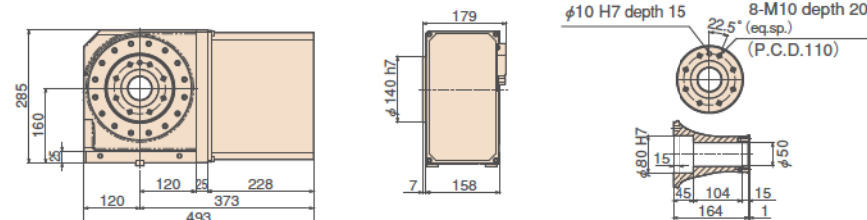
RWE/RWA-160



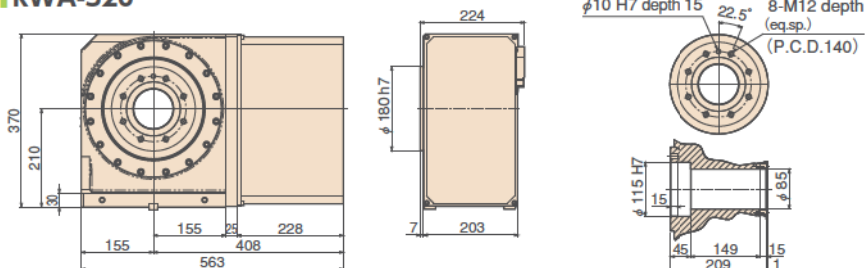
RWE/RWA-200



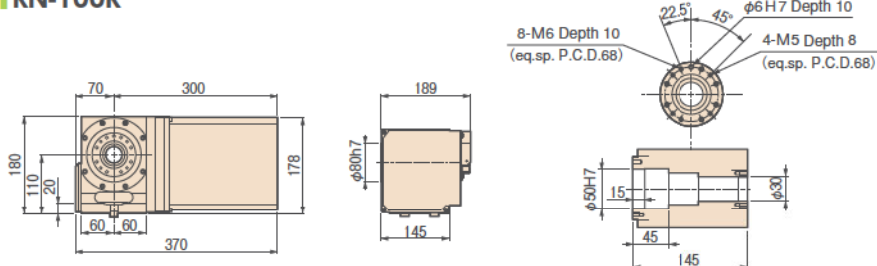
RWA-250



RWA-320



RN-100R



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
RWE/RWA-160	—	2	—	14	—	—	—	—	—	—	—	17	8	60	—	23	12
RWE/RWA-200	—	2	—	18	—	—	—	—	—	—	—	21	11	65	—	28	16
RWA-250	I	4	50 to 100	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RWA-320	I	4	50 to 132	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RN-100	—	2	—	14	—	—	—	—	—	—	—	17	8	55	—	23	12

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 with the RWE/RWA-160 and RWE/RWA-200 and RN-100.

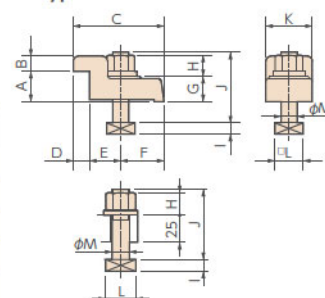


RWA-160K



RN-100R

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