

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	○	○	○	○	○	
Spindle diameter		φ100	φ120	φ140	φ180	φ80	
Table diameter*1		φ160 or 200 (Option)	φ200 or 250 (Option)	φ250 (Option)	φ320 (Option)	φ135 (Option)	
Center height		135	160	160	210	110	
Center bore	Nose diameter	φ55H7×45	φ65H7×45	φ80H7×45	φ115H7×45	φ50H7×45	
	Through-bore	φ40	φ45	φ50	φ85	φ30	
Table T-slot width*1		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) 500 (RWA)	400 (RWE) 800 (RWA)	1,000	1,500	80	
	N·m	206	288	596	939	176	
Allowable work weight	Vertical setting () : with tailstock	kg	100 (200)	125 (250)	125 (250)	175 (350)	25 (50)
	Horizontal setting	kg	200	250	250	350	50
Allowable load (when table is clamped)	F	N	10,800	14,400	14,400	24,800	5,880
	F×L	N·m	500	800	1,000	1,500	80
	F×L	N·m	780	1,900	1,900	4,700	156
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$	kg·m ²	0.64	1.25	1.95	4.48	0.10

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

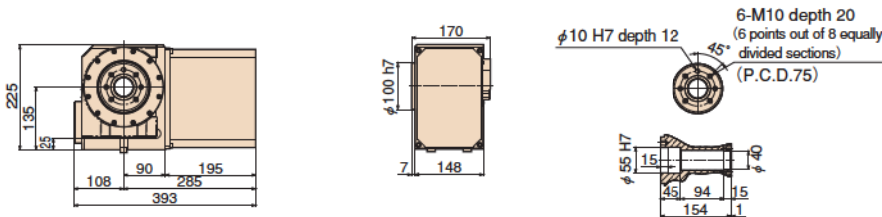
☞ When assembling a faceplate or a fixture with the main spindle (RNA-B-series) **P.76**

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

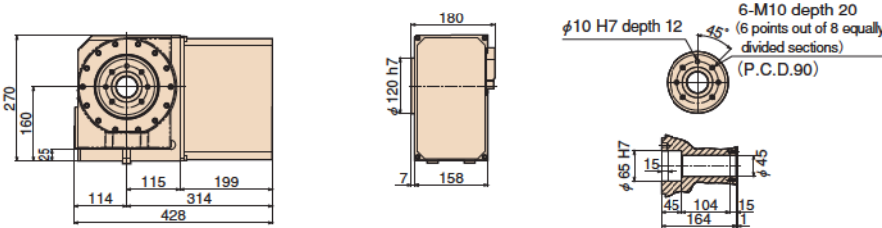
Dimensions

Unit:mm

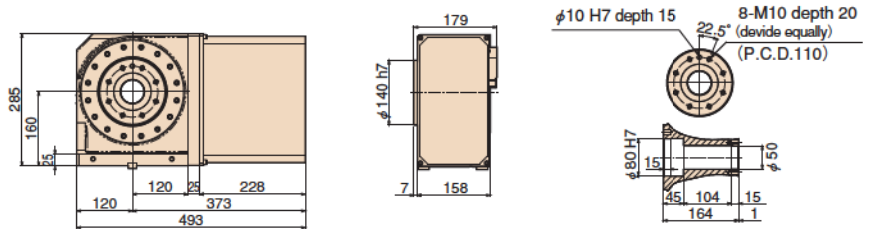
RWE/RWA-160



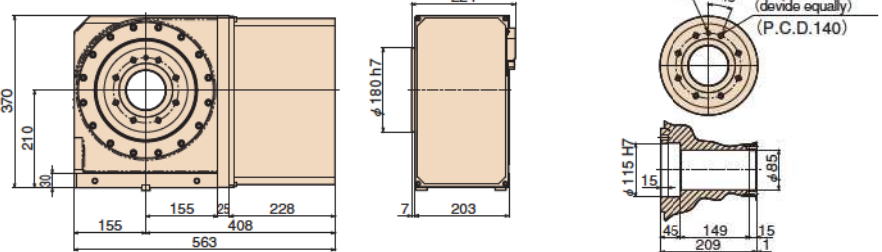
RWE/RWA-200



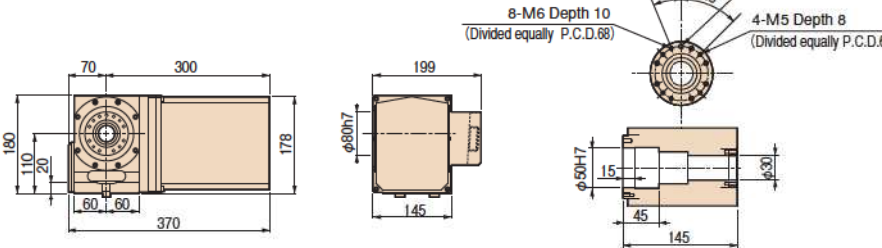
RWA-250



RWA-320



RN-100R



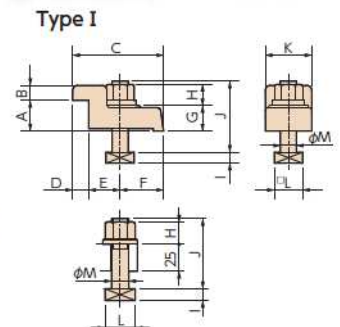
Note: The above dimensions are for FANUC servo motors. The dimensions of servo motors of other manufacturers may be larger.

Clamping block and bolt

	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	50~100	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RWA-320	I	4	50~132	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.



- 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
- Options
- Technical Information