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			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			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		$\times10^{-3}$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 (Motor rpm: 3,000min^{-1})		min^{-1}	41.6	41.6	33.3	25	83.3
Indexing accuracy (the sum)		arcsec	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)			
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	250 (RWE)	400 (RWE)	1,000	1,500	80
			500 (RWA)	800 (RWA)			
	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

CE correspondence model

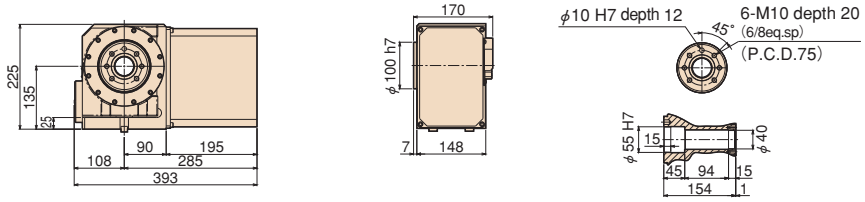
Tech.Info. Servo motors of other manufacturers P.70 When assembling a faceplate or a fixture with the main spindle P.81

Option High-precision Spec. P.66 Rotary Joint P.68

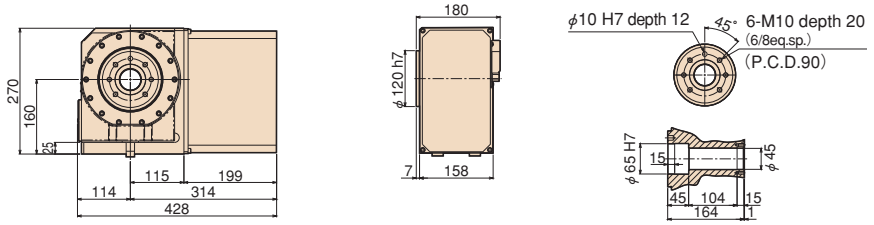
Dimensions

Unit:mm

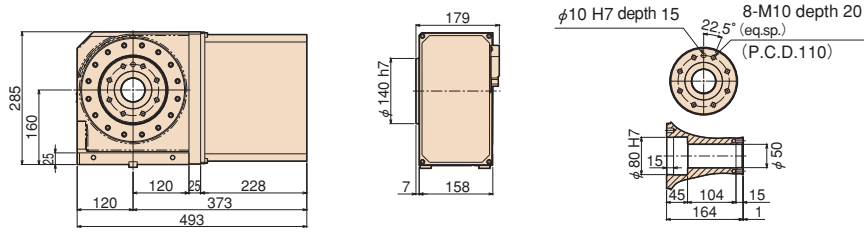
RWE/RWA-160



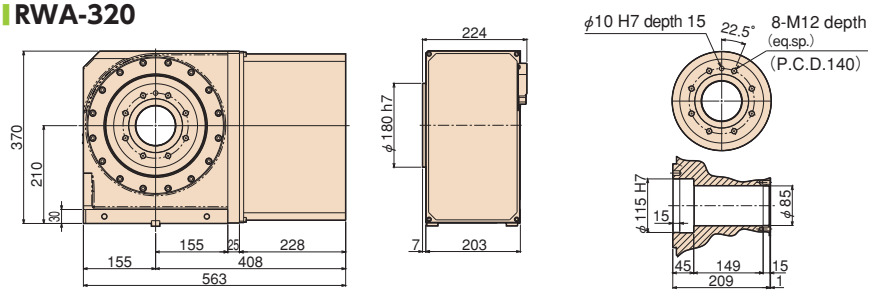
RWE/RWA-200



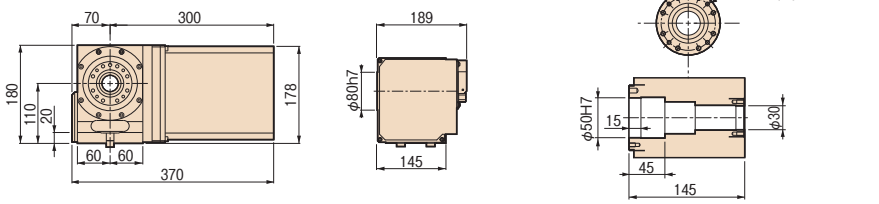
RWA-250



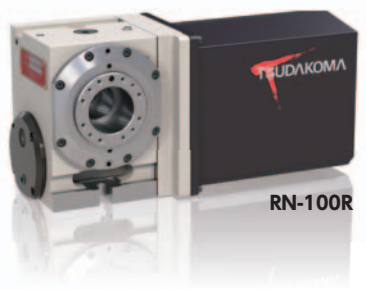
RWA-320



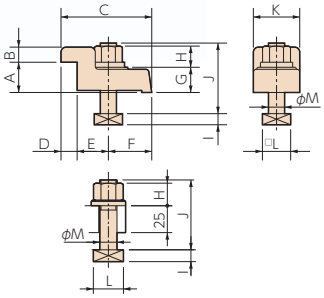
RN-100R



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



Type I



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.