

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		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*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 *2	1/120 *2	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	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**

* 2 High speed models are available. Ask us for further information.
RWA-250,320(speed reduction ratio: 1/45) RWA-320: αiS12 or an equivalent motor should be used.