

Rear motor mounting type

RWE/RWA-B

RWE- 160R,B•200R,B
RWA- 160R,B•200R,B•250R,B•320R,B

RNCV-B RNCV-401R,B








RWE-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

		RWE/RWA-160R,B	RWE/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*1		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*1		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	250 (RWE)	400 (RWE)	1,000	1,500	1,764 (Hydraulic pressure 3.5Mpa)
		500 (RWA)	800 (RWA)			
Strength of worm gears		206	288	596	939	1,666
Allowable work weight	Vertical setting  kg	100 (200)	125 (250)	125 (250)	175 (350)	200 (500)
	() : with tailstock					
Allowable load (when table is clamped)	F  N	10,800	14,400	14,400	24,800	39,200
	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

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

When assembling a faceplate or a fixture with the main spindle (RWE/RWA-B-series) **P.76**

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