

Rear motor mounting type

**RNA-B** RNA-160R,B · 200R,B  
250R,B · 320R,B

**RNCV-B** RNCV-401R,B

One of the most popular models of the rear motor mounting type. Suitable for mounting on a compact machine tool for space saving.



RNA-250R,B

Specifications

Unit : mm

		RNA-160R,B	RNA-200R,B	RNA-250R,B	RNA-320R,B	RNCV-401R,B	
Handedness	R	○	○	○	○	○	
	L	—	—	—	—	—	
Spindle diameter		φ100	φ120	φ140	φ180	—	
Table diameter *1		φ160 or 200 (Option)	φ200 or 250 (Option)	φ250 (Option)	φ320 (Option)	φ400	
Center height		135	160	160	210	255	
Center bore	Nose diameter	φ55H7×45	φ65H7×45	φ80H7×45	φ115H7×45	φ40H7×21	
	Through-bore	φ40	φ45	φ50	φ85	φ40	
Table T-slot width *1		12H8	12H8	12H8	14H8	18H7	
Guide block width		14h7	18h7	18h7	18h7	18h7	
Servo motors (for FUNAC)		αiF2    αiF4	αiF4	αiF8	αiF8	αiF12	
Inertia converted into motor shaft	×10 <sup>-3</sup> kg·m <sup>2</sup>	0.56    0.56	0.64	0.97	0.84	4.01	
Net weight	kg	53    56	77	95	165	330	
Speed reduction ratio		1/72	1/72	1/90	1/120	1/180	
Table max. rpm	min <sup>-1</sup> (Motor rpm: 3,000min <sup>-1</sup> )	41.6	41.6	33.3	25	11.1	
Indexing accuracy (the sum)	sec	25	20	20	20	15	
Repeatability	arc sec	4	4	4	4	4	
Clamp system		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Hydraulic or Air-hydraulic (optional)	
Clamp torque /pneumatic pressure 0.49MPa	N·m	500	800	1000	1500	1,764 (Hydraulic pressure 3.5Mpa)	
Strength of worm gears	N·m	206	288	596	939	1,666	
Allowable work weight	Vertical setting  ( ) : with tailstock	kg	100 (200)	125 (250)	125 (250)	175 (350)	200 (500)
	F 	N	10,800	14,400	14,400	24,800	39,200
Allowable load (when table is clamped)	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 <sup>2</sup>	0.64	1.25	1.95	4.48	9.7

☞ Servo motors of other manufacturers **P.65**

☞ When assembling a faceplate or a fixture with the main spindle (RNA-B-series) **P.75**

\*1 The tolerance of the table T-slot width is applicable to four standard slots arranged crosswise. ☞ Dimensions **P.59**