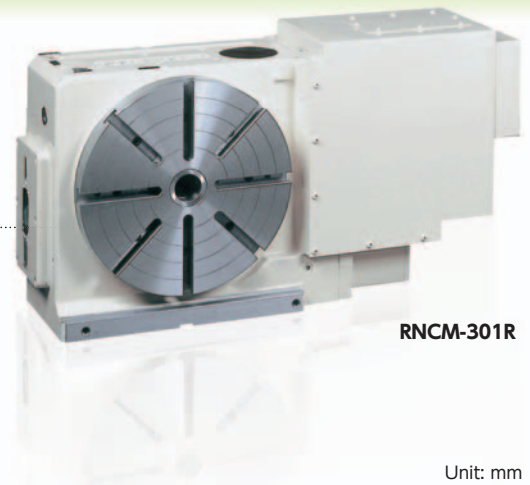


Vertical motor mounting type

# RNCM

**RNCM- 251•301•401•501•631**

Basic models with a motor horizontally mounted onto the side of the body.



RNCM-301R

## Specifications

Unit: mm

		RNCM-251	RNCM-301	RNCM-401	RNCM-501	RNCM-631	
Handedness	R	○	○	○	○	○	
	L	○	○	○	○	○	
Table diameter		φ250	φ320	φ400	φ500	φ630	
Center height		160	210	255	310	400	
Center bore	Nose diameter	φ40H7	φ40H7	φ40H7	φ50H7	φ60H6*2	
	Through-bore	φ32	φ40	φ40	φ50	φ60	
Table T-slot width*1		12H7	14H7	14H7	18H7	18H7	
Guide block width		18h7	18h7	18h7	18h7	18h7	
Servo motors (for FANUC)		αiF4 or αiF8	αiF8	αiF12	αiF12	αiF12	
Inertia converted into motor shaft $\times 10^{-3} \text{kg} \cdot \text{m}^2$ $[\times 10^{-3} \text{kgf} \cdot \text{cm} \cdot \text{sec}^2]$		0.30 [3.01]	0.34 [3.43]	1.76 [17.9]	2.05 [20.9]	3.09 [31.9]	5.55 [56.6]
Net weight		kg 75	200	300	450	800	
Speed reduction ratio		1/180	1/360	1/180	1/180	1/180	
Table max. rpm (Motor rpm: 2,000min <sup>-1</sup> )		11.1	5.5	11.1	11.1	11.1	
Indexing accuracy (the sum)		sec 15	15	15	15	15	
Clamp system		Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	
Clamp torque Hydraulic pressure 3.5Mpa [35kgf/cm <sup>2</sup> ]		N·m [kgf·m] 490 [50]	Air-hydraulic pressure 274 [28] 833 [85]	1,764 [180]	2,450 [250]	4,410 [450]	
Strength of worm gears		N·m [kgf·m] 470 [48]	764 [78]	1,666 [170]	2,450 [250]	4,116 [420]	
Allowable work weight	Vertical setting  ( ) : with tailstock	kg 100 (250)	150 (350)	200 (500)	250 (600)	400 (1,000)	
	Horizontal setting 	kg 250	350	500	600	1,000	
F 		N [kgf] 19,600 [2,000]	29,400 [3,000]	39,200 [4,000]	49,000 [5,000]	49,000 [5,000]	
Allowable load (when table is clamped)	F × L 	N·m [kgf·m] 490 [50]	833 [85]	1,764 [180]	2,450 [250]	4,410 [450]	
	F × L 	N·m [kgf·m] 931 [95]	1,568 [160]	2,450 [250]	3,430 [350]	7,840 [800]	
Allowable work inertia $J = \frac{W \cdot D^2}{8}$ 		kg·m <sup>2</sup> [kgf·cm·sec <sup>2</sup> ] 1.2 [12.3]	3.7 [38.5]	9.7 [99.8]	18.2 [185.2]	49.6 [506.2]	

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

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

\* 2 For model RNCM-631, a big bore type is also available. (center bore: φ180H7)