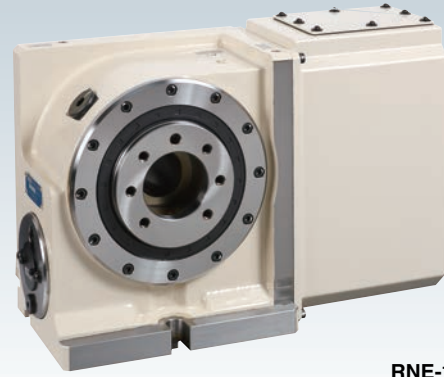


Standard type

RNE

RNE-160R·200R·250R·320R

RNE series are entry model which keeps Tsudakoma quality, but realizes affordable price.



RNE-160R

Specifications

Unit: mm

		RNE-160	RNE-200	RNE-250	RNE-320
Handedness	R	○	○	○	○
	L	○	○	—	—
Spindle diameter		φ100	φ120	—	—
Table diameter *1		φ160 or φ200 (Option)	φ200 or φ250 (Option)	φ250	φ320
Center height		135	160	160	210
Center bore	Nose diameter	φ55H7x45	φ65H7x45	φ75H7x20	φ110H7x25
	Through-bore	φ40	φ45	φ45	φ82
Table T-slot width *1		12H8 (Option)	12H8 (Option)	12H8	14H8
Guide block width		14h7	18h7	18h7	18h7
Servo motors (for FANUC)		αiF4	αiF4	αiF8	αiF12
Inertia converted into motor shaft	×10 ⁻³ kg·m ²	0.06	0.14	0.35	1.50
Net weight	kg	45	65	110	205
Speed reduction ratio		1/90	1/90	1/120	1/120
Table max. rpm	min ⁻¹ (Motor rpm: 3,000min ⁻¹)	33.3	33.3	25	25
Indexing accuracy (the sum)	sec	25	20	20	20
Repeatability	arc sec	7	7	7	7
Clamp system		Pneumatic	Pneumatic	Pneumatic	Pneumatic
Clamp torque	N·m /pneumatic pressure 0.49MPa	250	400	600	1000
Strength of worm gears	N·m	206	288	596	939
Allowable work weight	Vertical setting kg	75 (150)	100 (200)	100 (200)	150 (300)
	Horizontal setting kg	—	—	—	—
Allowable load (when table is clamped)	F N	7,840	13,720	13,720	19,600
	F×L N·m	250	400	600	1,000
	F×L N·m	392	980	980	1,960
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$ kg·m ²	0.48	1.00	1.56	3.84

☞ Servo motors of other manufacturers **P.70** ☞ When assembling a faceplate or a fixture with the main spindle **P.80**

*1 The tolerance of the table T-slot width is applicable to four standard slots arranged crosswise. ☞ Dimensions **P.64**