

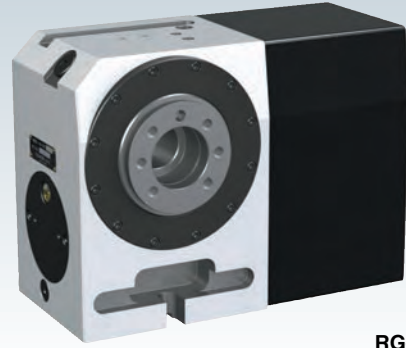
Standard type

RG

RG-160·250·320

The new technology, Tsudakoma Ball Drive System is adopted.

It enables high indexing speed which is two times faster than conventional model and super productivity with top quality thanks to no backlash and high rigidity.



RG-160

Specifications

Unit: mm

		RG-160	RG-250	RG-320
Handedness	R	○	○	○
	L	—	—	—
Spindle diameter		φ100	φ140	φ180
Table diameter *1		φ160 or φ200 (Option)	φ250 (Option)	φ320 (Option)
Center height		160	210	255
Center bore	Nose diameter	φ55H7x45	φ80H7x45	φ115H7x45
	Through-bore	φ40	φ50	φ85
Table T-slot width *1		12H8	12H8	14H8
Guide block width		14h7	18h7	18h7
Servo motors (for FANUC)		αiF4	αiF8	αiF12
Inertia converted into motor shaft ×10 ⁻³ kg·m ²		0.19	0.42	2.24
Net weight kg		60	110	210
Speed reduction ratio		1/36	1/36	1/36
Table max. rpm min ⁻¹ (Motor rpm: 3,000min ⁻¹)		83.3	83.3	83.3
Indexing accuracy (the sum) sec		15	15	15
Repeatability arc sec		4	4	4
Clamp system		Pneumatic	Pneumatic	Pneumatic
Clamp torque /pneumatic pressure 0.49MPa N·m		500	1,000	1,500
Allowable work weight	Vertical setting () : with tailstock kg	100 (200)	125 (250)	175 (350)
	Horizontal setting kg	200	250	350
Allowable load (when table is clamped)	F N	10,800	14,400	24,800
	F×L N·m	500	1,000	1,500
	F×L N·m	780	1,900	4,700
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$ kg·m ²	0.48	1.95	4.48

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**