

Standard type

RBS RBS-160•250•320



RBS-160

Unit: mm

We provide you the top productivity and high-grade machining with no backlash and high indexing speed, two times faster than previous model.

Specifications

		RBS-160	RBS-250	RBS-320
Handedness	R	○	○	○
	L	○	○	○
Spindle diameter		φ 100	φ 140	φ 180
Table diameter*1		φ 160 or φ 200 (Option)	φ 250 (Option)	φ 320 (Option)
Center height		160	210	255
Center bore	Nose diameter	φ 55H7×45	φ 80H7×45	φ 115H7×45
	Through-bore	φ 40	φ 50	φ 85
Table T-slot width*1		12H8	12H8	14H8
Guide block width		14 h 7	18 h 7	18 h 7
Servo motors (for FANUC)		α iS4	α iS8	α iS12
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
Clamp system		Pneumatic	Pneumatic	Pneumatic
Clamp torque	N·m	250 (500)*2	600 (1,000)*2	1,000 (1,500)*2
Allowable work weight	Vertical setting () : with tailstock	100 (200)	125 (250)	175 (350)
	Horizontal setting	200	250	350
Allowable load (when table is clamped)	F	10,800	14,400	24,800
	F×L	250 (500)*2	600 (1,000)*2	1,000 (1,500)*2
	F×L	780	1,900	4,700
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$	0.64	1.95	4.48

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

☞ When assembling a faceplate or a fixture with the main spindle (RNA-B-series) **P.76**

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

* 2 High Clamp Torque model.