

RCD motor side mounting specifications

	unit	RCD105	RCD170	RCD200	RCD250	RCD300	RCD400
Table outer diameter	mm	Φ 105	φ170	φ200	φ250	φ300	φ400
Table reference hole diameter	mm	Φ60 ^{+0.03} ₀	Φ60 ^{+0.03} ₀	Φ60 ^{+0.03} ₀	Φ110 ^{+0.035} ₀	Φ110 ^{+0.035} ₀	Φ150 ^{+0.04} ₀
Center height	mm	105	135	135	185	185	230
Table T groove width	mm	—	12 ^{+0.018} ₀	12 ^{+0.018} ₀	12 ^{+0.018} ₀	12 ^{+0.018} ₀	14 ^{+0.018} ₀
Guide block (key) width	mm	14 ⁰ _{-0.011}	14 ⁰ _{-0.011}	14 ⁰ _{-0.011}	18 ⁰ _{-0.011}	18 ⁰ _{-0.011}	18 ⁰ _{-0.011}
Clamp method (pneumatic pressure 0.5MPa, oil pressure 3.5MPa)		Pneumatic / hydraulic	Pneumatic / hydraulic	Pneumatic / hydraulic	hydraulic	hydraulic	hydraulic
Clamp torque * 1	N · m	210	310	310	1100	1100	1850
Motor shaft conversion inertia * 2, * 3	× 10 ⁻⁴ kg · m ²	0.56	2.96	3.15	5.70	5.70	25.76
Motor used (FANUC)		α IS2 / 5000-B (A06B-2212- B400)	α IS4 / 5000-B (A06B-2215- B400)	α IS8 / 4000-B (A06B-2235- B400)	α IS8 / 4000- B (A06B-2235- B400)	α IS8 / 4000- B (A06B-2235- B400)	α IS22 / 4000-B with brake (A06B-2265- B400)
Minimum setting unit	deg	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Table maximum rotation speed	min ⁻¹	100	70	70	60	60	60
Reduction ratio		1/50	1/50	1/50	1/60	1/60	1/60
Indexing accuracy	arc.sec	± 15	± 15	± 15	± 10	± 10	± 10
Reproducibility	arc.sec	8	8	8	Four	Four	Four
Product mass	kg	30	51	59	110	115	263

* 1 RCD105, 170, 200 are the clamp torque when using an air hydro booster with an air pressure of 0.5MPa as the supply source.

* 2 Motor shaft conversion inertia, reduction ratio, continuous / maximum holding torque are the values when using the FANUC motor. Please contact us when using other motors.

* 3 Motor shaft conversion inertia does not include motor shaft inertia.