

NC ROTARY TABLE

Ultra Compact NC Rotary table CK160·CKR160

※1 Among table dia.160 NC Rotary Tables ※2 Model: CKR160 ※3 All ports are available for both pneumatic and hydraulic, not available for coolant.

The world's thinnest body: 99mm^{※1} Smallest-footprint NC Rotary Table







- The World's thinnest body: 99mm^{※1}
- 7 ports block-less rotary joint^{※2} as option (Pneumatic/Hydraulic)^{※3}
- Suitable for small-footprint machines

*CE correspondence



CK160R

Specifications

Model		CK160	CKR160
Table dia (mm)		φ 114	φ 114
Register diameter on Face Plate (mm)		φ 65 H7	φ 65 H7
Spindle through hole diameter (mm)		φ 65	—
Centre Height (mm)		140	140
Clamping method		Pneumatic	Pneumatic
Clamping torque (N·m) (In pneumatic 0.5MPa)		340	340
Motor axis reduced inertia (kg·m ²)		0.00009	0.00009
Servomotor (for FANUC specification)		α iF2/5000	α iF2/5000
Gear ratio		1/72	1/72
Max. spindle speed	FANUC specification (for min ⁻¹ /motor3000min ⁻¹)	41.6	41.6
	M signal specification (for min ⁻¹ /motor3000min ⁻¹)	41.6	41.6
Allowable work inertia (kg·m ²)		0.51	0.51
Indexing accuracy (sec)		20	20
Repeatability (sec)		4	4
Mass of product (kg)		40	41
Manual Tailstock (as an option · P89 reference)		MR160RN	MR160RN
Tail Spindle (as an option · P93 reference)		TSR142A	TSR142A
Rotary Joint (as an option · P97 reference)		—	(Hydraulic/Pneumatic 7-port) ^{※3}
Allowable Load	Horizontal (kg) 	160	160
	Vertical (kg) 	80	80
Allowable load (When clamped to table)	F (kN) 	10	10
	FXL (N·m) 	600	600
	FXL (N·m) 	340	340
Allowable cutting torque	T (N·m) 	220	220

Note) 1. The switch for pressure checking is incorporated to all series except TC / DM series. 2. The solenoid valve for the table clamp is incorporated. 3. Neither cable nor hose is fitted between NC rotary table and machine tool... 4. Rotary joint is fixed to jig side. 5. Because a mounting pitch varies with the machines, refer to the pitch of the tail spindle size drawing on P93. 6. Each product mass is determined by a Kitagawa M signal spec.

without Rotary Joint

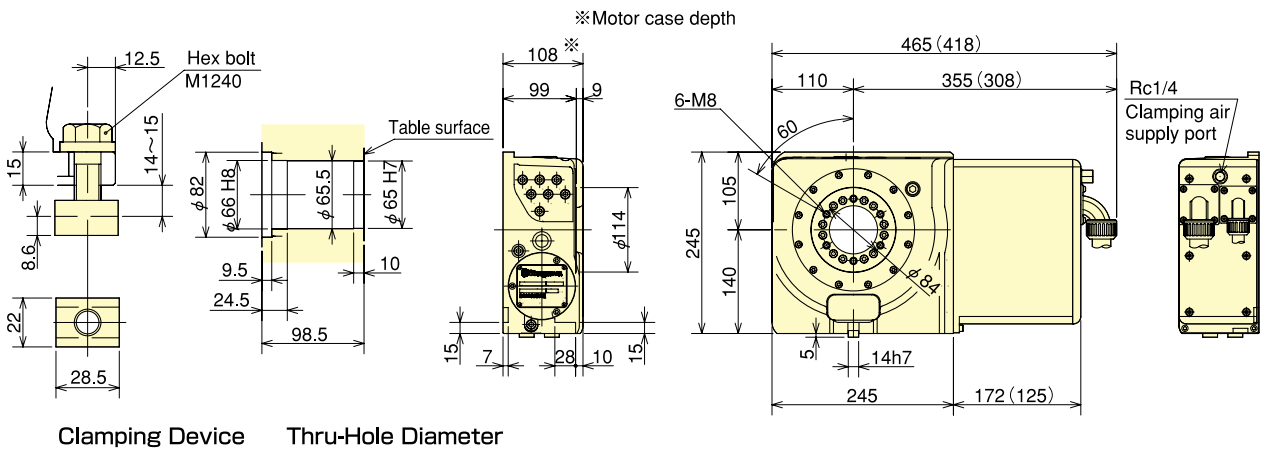
CK 160 R * * *
 Type Table Size Design No.
 Motor type
 Right/Left hand
 R: Right hand
 L: Left hand

with Rotary Joint

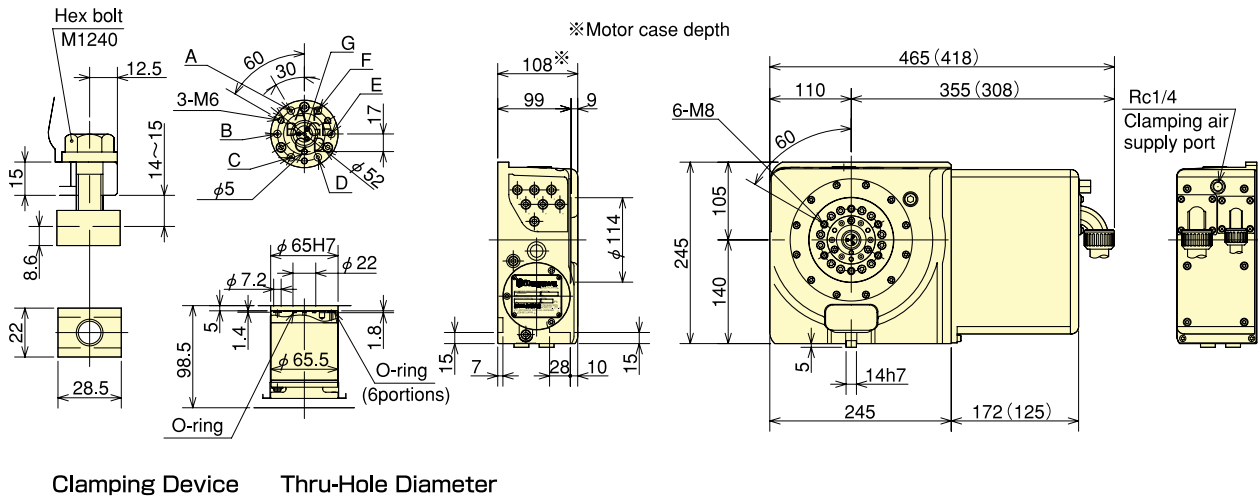
CKR 160 R * * *
 Type Table Size Design No.
 Motor type
 R: Right hand
 L: Left hand

■ Dimensions

CK160 【without Rotary Joint】



CKR160 【with Rotary Joint】



※The number in () shows the dimension for Kitagawa own controller「Quinte」spec.

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