

NC ROTARY TABLE

High-speed & Low maintenance NC Rotary Table

RKT180

Optimum solution for the automotive industry
Roller Gear and Cam structure

- Optimum solution for No.30 compact machining centre
 - Complete built-in Rotary Joint available (Hyd. 5 ports - Pneumatic 1 port)
 - Low maintenance achieved.
- * CE correspondence



RKT180

※In specification with the foreign trade control ordinance, permission of the ministry of economy, trade and industry is required when exporting twin axis products overseas.

4th axis specifications

RKT 180 * R * *

Type Table Size Design No.

Option spec.
 R: Rotary Joint
 C: external cylinder
 -: Non- option

Motor type

M signal specification

RKT 180 V R * *

Type Table Size Design No.

Option spec.
 R: Rotary Joint
 C: external cylinder
 -: Non- option

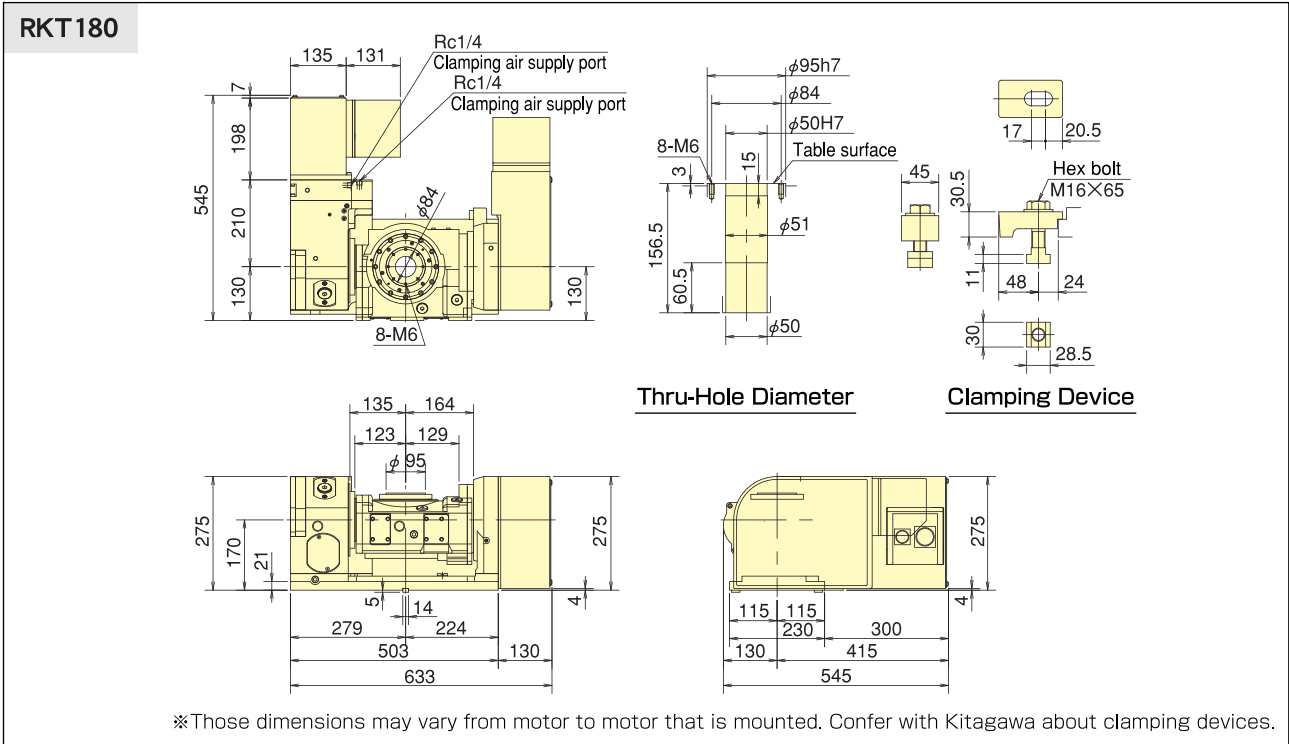
Quinte specification

Note) Only pneumatic spec. available for RKT180.

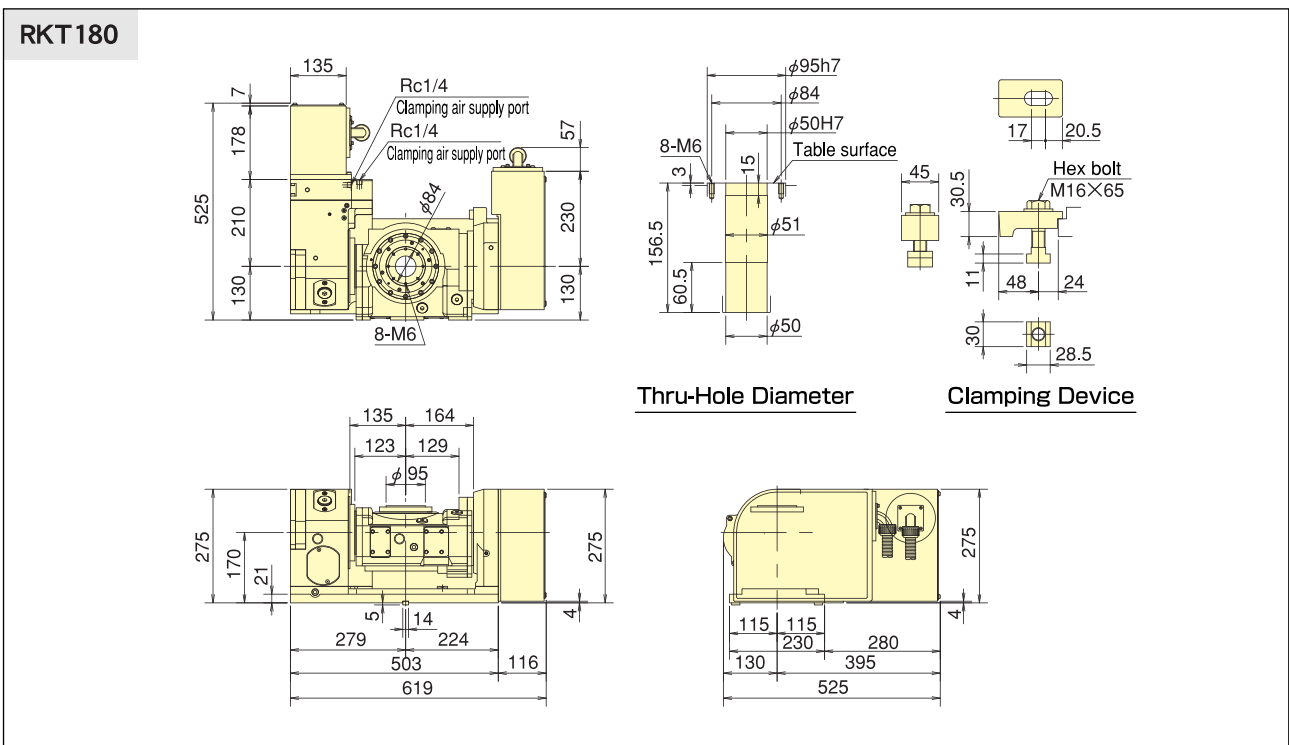
Specifications

| Model | | RKT180 | |
|--|------------------------|---|------|
| Tilting angle | | -35° ~ +110° | |
| Table dia (mm) | | φ95 | |
| Register diameter on Face Plate (mm) | | φ50H7 | |
| Spindle through hole diameter (mm) | | φ50 | |
| Centre Height (mm) | | 170 | |
| Clamping method | | Pneumatic | |
| Clamping torque (N·m) (In pneumatic 0.5MPa) | Rotating axis | 350 | |
| | Tilting axis | 550 | |
| Motor axis reduced inertia (kg·m ²) | Rotating axis | 0.000239 | |
| | Tilting axis | 0.000425 | |
| Servomotor (for FANUC specification) | | αiF2/5000 | |
| Gear ratio | Rotating axis | 1/72 | |
| | Tilting axis | 1/120 | |
| Max. spindle speed | FANUC specification | Rotating axis (for min ⁻¹ /motor 3000min ⁻¹) | 41.6 |
| | | Tilting axis (for min ⁻¹ /motor 3000min ⁻¹) | 25 |
| | M signal specification | Rotating axis (for min ⁻¹ /motor 3000min ⁻¹) | 41.6 |
| | | Tilting axis (for min ⁻¹ /motor 3000min ⁻¹) | 25 |
| Allowable work inertia (kg·m ²) | | 0.25 | |
| Indexing accuracy (sec) | Rotating axis | 20 | |
| | Tilting axis | 20 | |
| Repeatability (sec) | Rotating axis | 8 | |
| | Tilting axis | 4 | |
| Mass of product (kg) | | 193 | |
| Built-in rotary joint (Option · P99 reference) | | RJ50RKT180 Hydraulic/Pneumatic 5-port + Exclusive Pneumatic 1-port | |
| Allowable Load | at horizontal (kg) | 60 | |
| | at tilted (kg) | 40 | |
| Allowable Load (When clamped to table) | F (kN) | 7.8 | |
| | F×L (N·m) | 550 | |
| | F×L (N·m) | 350 | |
| Allowable cutting torque | T (N·m) | 262 | |
| Moment of tilting weight capacity | W×L (kgf·m) | 36 | |

■ Dimensions [4th axis specifications]



■ [Kitagawa's control device Quinte specification] *The dimensions may vary from motor to motor that is mounted.



DATA Tilting NC table • Work loadable area

RKT180

