



Tilting NC Rotary Table TT200



High clamp torque and Compact design
Flagship model of Kitagawa tilting rotary table

- High clamp torque in its class by built-in booster and double disk clamp system
- Suitable for No.30 machining centers (200mm high column) without stroke limitation
- Built-in rotary joint (hydraulic 4P/ pneumatic 1P) available as option

* CE correspondence

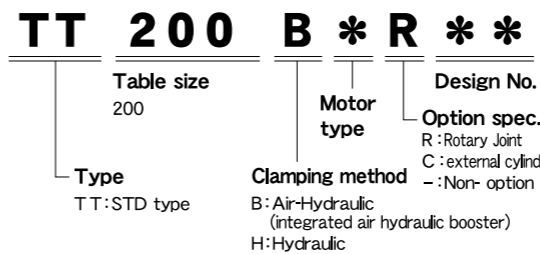
※ In specification with the foreign trade control ordinance, permission of the ministry of economy, trade and industry is required when exporting twin axis products overseas.

Specifications

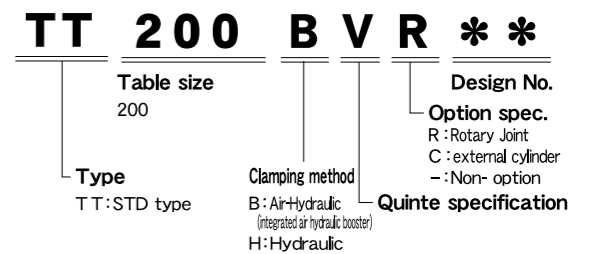
Model		TT200
Tilting angle		-35° ~ +110°
Table dia (mm)		φ 200
Register diameter on Face Plate (mm)		φ 65 H 7
Spindle through hole diameter (mm)		φ 40
Centre height at verticality (mm)		180
Clamping method		Air-Hydraulic/Hydraulic
Clamping torque (N·m) (In pneumatic 0.5MPa/hydraulic 3.5MPa)	Rotating axis	600
	Tilting axis	1200
Motor axis reduced inertia (kg·m ²)	Rotating axis	0.000225
	Tilting axis	0.000125
Servomotor (for FANUC specification)		α iF 2/5000
Gear ratio	Rotating axis	1/90
	Tilting axis	1/180
Max. spindle speed	for FANUC specification	
	Rotating axis (for min ¹ /motor3000min ¹)	33.3
	Tilting axis (for min ¹ /motor3000min ¹)	16.6
	M signal specification	
Rotating axis (for min ¹ /motor3000min ¹)	33.3	
Tilting axis (for min ¹ /motor3000min ¹)	16.6	
Allowable work inertia (kg·m ²)		0.3
Indexing accuracy (sec)	Rotating axis	20
	Tilting axis	60
Repeatability (sec)		4
Mass of product (kg)		170
Built-in rotary joint (option · P99 reference)		RJ40FTT200 Hyd./pneumatic 4-port + Exclusive pneumatic 1 port of air
Allowable Load	at horizontal (kg)	60
	at tilted (kg)	40
Allowable load (When clamped to table)	F (kN)	5
	F×L (N·m)	1200
	F×L (N·m)	600
	T (N·m)	250
Moment of tilting weight capacity		W×L (kgf·m) 12

Note) 1. The switch for pressure checking is incorporated to all series except TC/DM/LR of NC tables. 2. In case of air + hyd. clamp specification, the solenoid valve for table clamp is incorporated. 3. In a hyd. clamp spec., the solenoid valve is not incorporated. Consequently, customer shall prepare it. 4. Neither cable nor hose is fitted between NC rotary table and machine tool... 5. Each product mass is determined by a Kitagawa M signal spec.

4th axis specifications

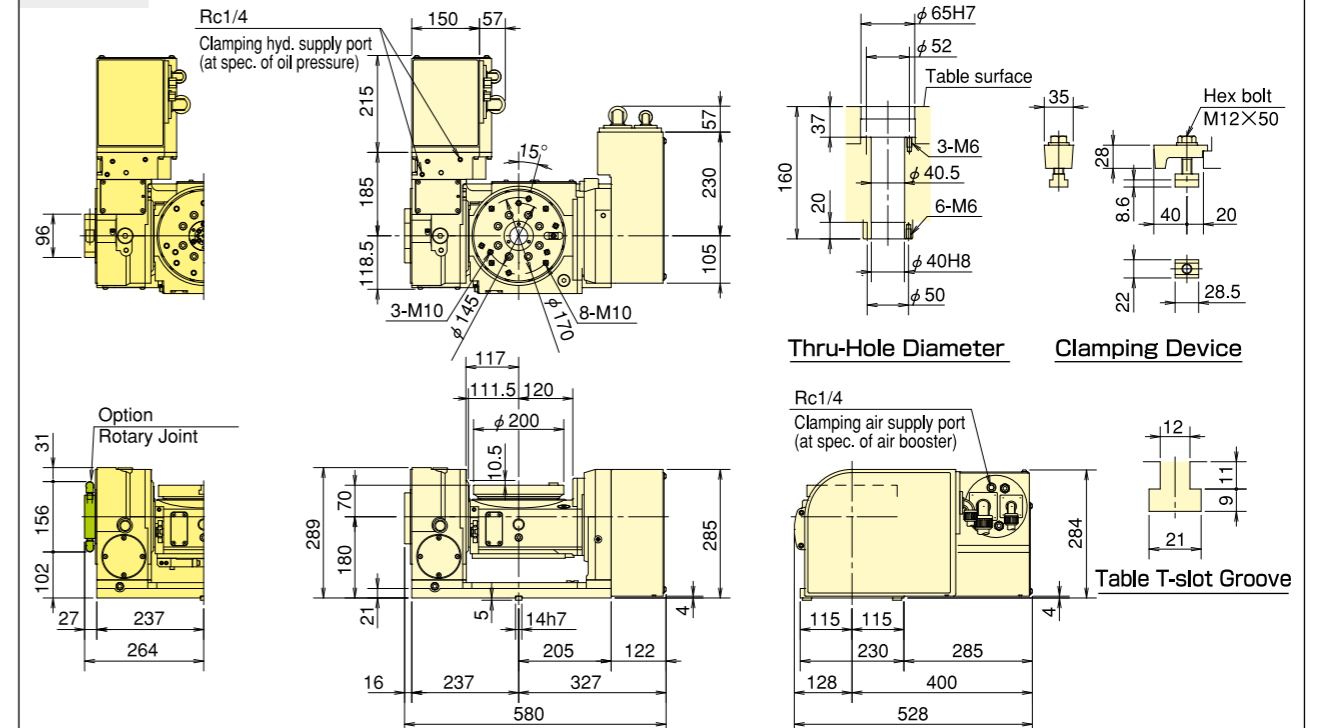


M signal specification



■ 寸法図

TT200 [4th axis specifications]



※ Those dimensions may vary from motor to motor that is mounted. Confer with Kitagawa about clamping devices.

TT200 [Kitagawa's control device Quinte specification]

*The dimensions may vary from motor to motor that is mounted.

