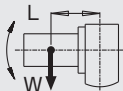
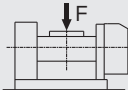
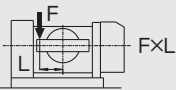
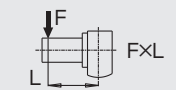


Specifications

Specification

Specifications				RTB100		RTB170		
				Rotary axis	Tilt axis	Rotary axis	Tilt axis	
Tilting angle			deg	-30 to +120		-30 to +120		
Table diameter			mm	φ100		φ170		
Table pilot bore diameter			mm	φ60 ^{+0.03} ₀		φ60 ^{+0.03} ₀		
Center height at tilted axis +90°			mm	135		185		
Tabletop height at 0° tilted axis			mm	190		265		
Guide block width			mm	14 ⁰ _{-0.018}		14 ⁰ _{-0.018}		
Gear ratio			—	1/40	1/50	1/50	1/60	
Inertia at motor shaft ※1, ※2			×10 ⁻⁴ kg·m ²	2.20	1.30	2.96	5.11	
Motor model(FANUC)			—	αiS2/5000 (A06B-2212-B400)	αiS2/5000 (A06B-2212-B400)	αiS4/5000 (A06B-2215-B400)	αiF8/3000 (A06B-2227-B400)	
Maximum table speed			min ⁻¹	100	100	70	50	
Indexing accuracy			arc.sec	±15	±30	±15	±30	
Repeatability			arc.sec	8	8	8	8	
Net weight			kg	90		180		
Allowable payload	When horizontal			kg	35		110	
	When tilted			kg	20		70	
Allowable workpiece inertia				kg·m ²	0.09		0.65	
Maximum eccentric load torque				N·m	59		246	
Allowable load			N	7800		9000		
		Rotary axis	Continuous holding torque ※2, ※3	N·m	98		236	
			Maximum output torque ※2, ※3	N·m	177		362	
		Tilt axis	Continuous holding torque ※2, ※3	N·m	122		512	
			Maximum output torque ※2, ※3	N·m	221		987	
Built-in rotary joint(number of ports)				3		6		

*1. The specified motor shaft equivalent inertia does not include the inertia of the motor shaft.

*2. The converted motor shaft inertia, and the continuous and maximum holding torque are the values when using a FANUC motor.

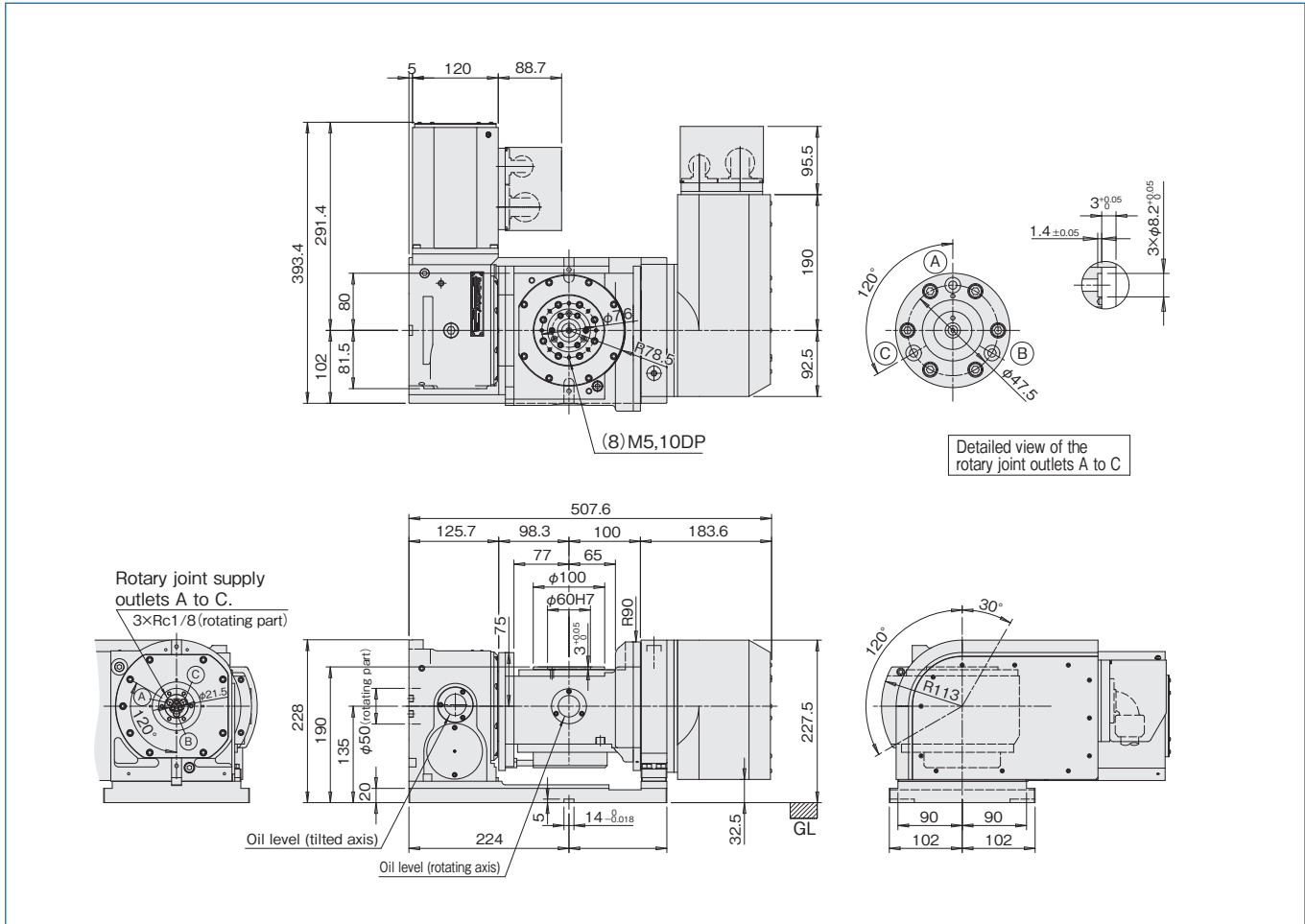
Please contact us if you want to use other motors.

*3.Maximum holding torque shall be a maximum of 10 seconds at a 20% duty cycle.

Dimensions

RTB100-AFSF1-J

Unit : mm



*The above dimensions are for a machine equipped with a FANUC motor.
 *Specifications and dimensions are subject to change without notice, so please check again when ordering.

Area for mounting workpieces

Tilting axis angle 0° to 90°	0° to 105°	0° to 110°	0° to 120°	-30° to 0°
Table surface Dimensions: $\phi 150$, $\phi 200$, $\phi 260$, 36, 58	Dimensions: $\phi 150$, $\phi 195$, 82, 15°	Dimensions: $\phi 130$, $\phi 170$, 90, 20°	Dimensions: $\phi 85$, $\phi 110$, $\phi 120$, 60, 102, 30°	Dimensions: $\phi 150$, $\phi 200$, 36

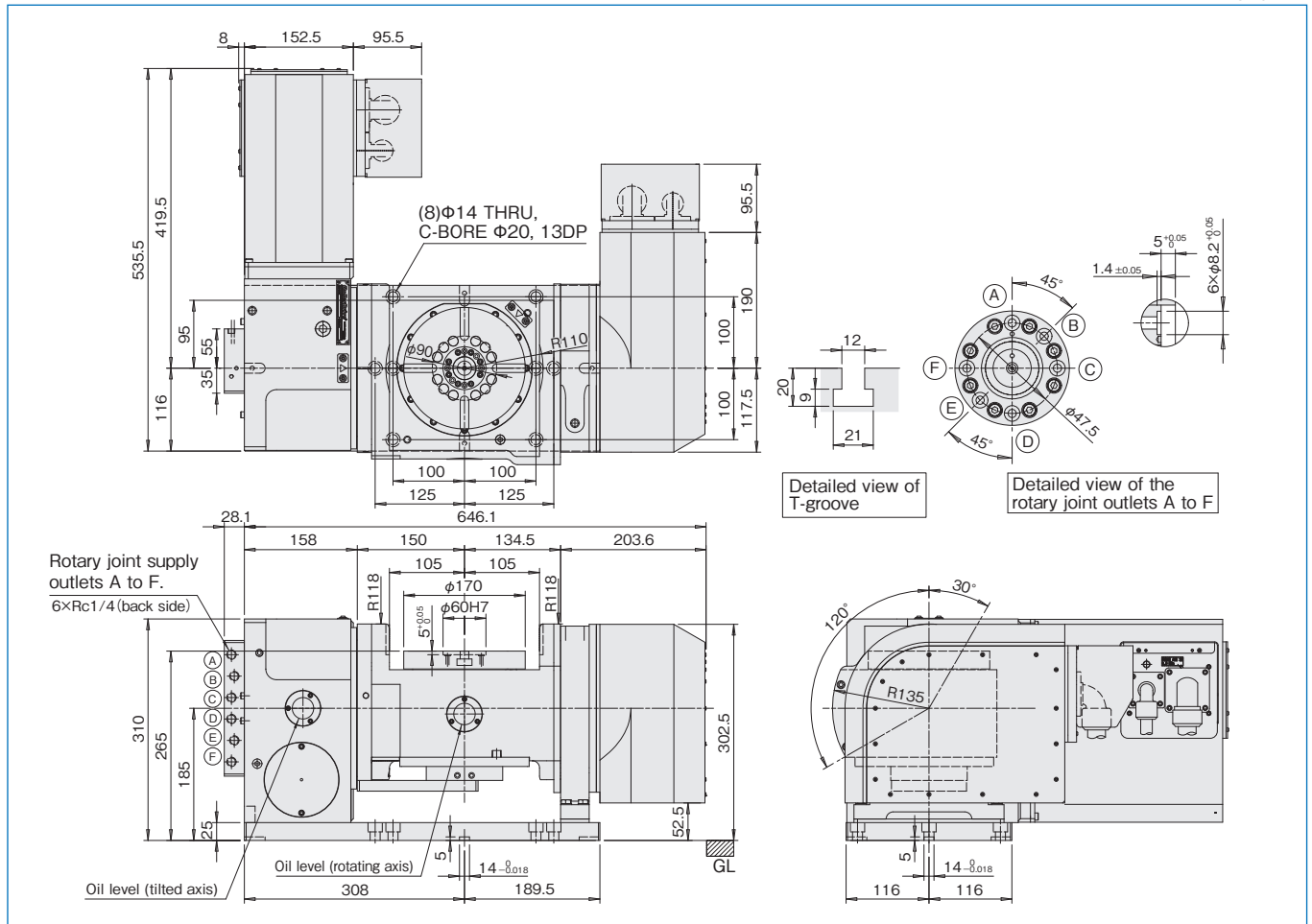
• Set parameter to avoid interference.

Hardware details

Guide key (for 14 mm T-groove)	Guide key (for 18 mm T-groove)	Clamping block	T-slot nut (for 14 mm T-groove)	T-slot nut (for 18 mm T-groove)
Dimensions: 22, 14, 11, 10, 3, 7	Dimensions: 22, 18, 11, 10, 3, 7, 14, 14	Dimensions: 15, 22.5, 45, 14 THRU, 50, 30, 20, 40, 15, 30	Dimensions: M12, 29, 13.5, 8.5, 22.2, 15.8	Dimensions: M12, 32, 17, 11.1, 28.6, 19.1

RTB170-AFSF2-J

Unit : mm



*The above dimensions are for a machine equipped with a FANUC motor.

*Specifications and dimensions are subject to change without notice, so please check again when ordering.

Area for mounting workpieces

Tilting axis angle 0° to 90°	0° to 105°	0° to 110°	0° to 120°	-30° to 0°
Table surface φ210 φ280 φ360 40 70	15° φ210 φ240 φ285 40 85	20° φ210 φ255 95	30° φ150 φ170 φ190 85 115	φ210 φ280 φ310 40 70

• Set parameter to avoid interference.

Hardware details

Guide key (for 14 mm T-groove)	Guide key (for 18 mm T-groove)	Clamping block	T-slot nut (for 14 mm T-groove)	T-slot nut (for 18 mm T-groove)
14^{+0.018}₀ φ11 3 φ7 22 10	18^{+0.018}₀ φ11 3 φ7 22 10	14 THRU 19 15 30 25 38 28 35	M12 13.5 8.5 22.2 29 15.8	M12 17 11.1 28.6 32 19.1