

RollerDrive® RTB Series



Features

- ▶ Compact Size; low profile
- ▶ Zero-backlash RollerDrive technology
- ▶ Lowest possible cycle time due to high-rotational speeds and no-clamp operation
- ▶ Superior rotational accuracy
- ▶ Long-term accuracy is maintained with no need for backlash adjustments

Product Specifications

Main unit		RTB100		RTB170	
		Rotary axis	Tilting axis	Rotary axis	Tilting axis
Table diameter	mm	100		170	
Allowable payload (horizontal)	kg	35		110	
Allowable payload (vertical)	kg	20		70	
Allowable workpiece inertia	kg · m ²	0.09		0.65	
Gear ratio	-	1/40	1/50	1/50	1/60
Maximum speed	min ⁻¹	100	100	70	50
Operating range	deg	-	-30 ~ +120	-	-30 ~ +120
Compatible servo motor	FANUC	iS2/5000	α iS2/5000	α iS4/5000	α iF8/3000
	SANYO	R2AA08075FCPHEM6	R2AA08075FCPHEM6	R2AAB8100FCPGYM	R2AA13180HCP9CM
	MITSUBISHI	-	-	HG105BS-S105010	HG104BS
Continuous holding torque	N · m	104	122	236	512
Maximum output torque	N · m	183	221	362	987
Net weight	kg	90		180	
Option					
Rotary joint	Number of ports	3		6	

* The above capacities are based on FANUC specifications.

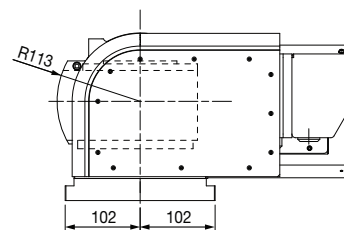
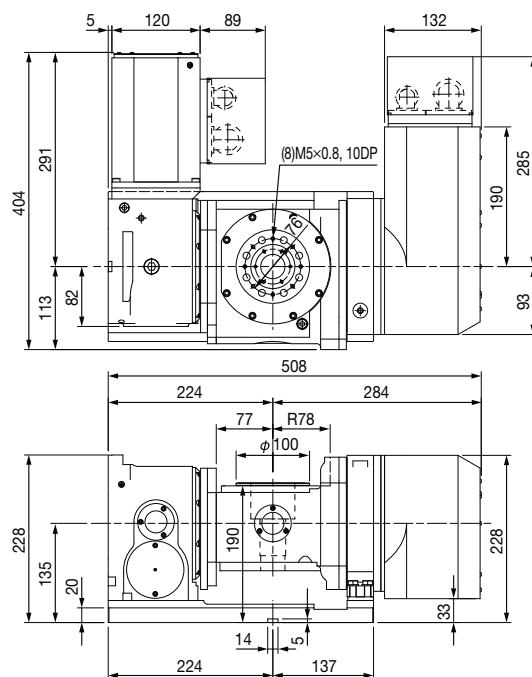


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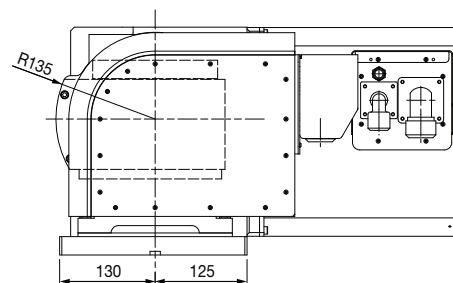
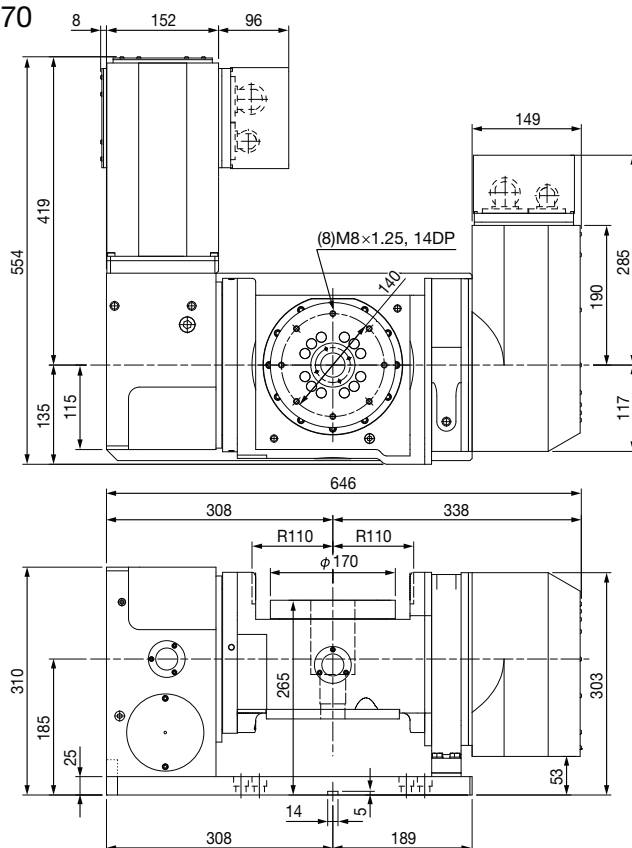
Dimensions



▶ RTB100



▶ RTB170



* The above dimensions are based on FANUC specifications.

* Specifications and dimensions may be changed without prior notification. Please check specifications and dimension once more when ordering.



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