

Compact 5-Axis Tilting Rotary Table RT Series tables are perfect for contouring due to zero-backlash technology. The open-end design coupled with speed and accuracy is suited for many applications from tapping centers to machining centers.

RT series

Features

- Unique open-end design for small footprint
- High-speed rotation



Specifications			RT080	RT100	RT160
Tilting angle	deg		-20~+120	-20~+120	-20~+120
Table diameter	mm		φ80	φ100	φ160
Table reference bore diameter	mm		φ30 H7	φ40 H7	φ70 H7
Table surface height at 90 degree	mm		165	197	245
Center height at 90 degree	mm		115	132	170
Gear ratio	Rotary axis		1/48	1/48	1/48
	Tilt axis		1/60	1/60 (1/90)	1/72
Maximum speed	Rotary axis		63	100	100
	Tilt axis	rpm	50	75 (55)	50
Indexing accuracy	Rotary axis	arc.sec	±20	±15	±15
	Tilt axis		±15	±10	±10
Repeatability	Rotary axis	arc.sec	8	8	8
	Tilt axis		8	4	4
Net. weight	kg		70	91	220

Loading characteristics			RT080	RT100	RT160
Allowable payload	kg		10	30	60
Allowable load	Allowable axial load	N	3760	6016	8762
	Continuous holding torque	N·m	62	118	172
	Maximum output torque	N·m	127	213	380
	Allowable bending moment	N·m	141	290	858
Allowable inertia moment	kg·m ²		0.01	0.10	0.40

* These specifications are for reference purposes only, please contact Sankyo for detailed specifications. Maximum output torque should not exceed 10 seconds or 20% duty cycle.

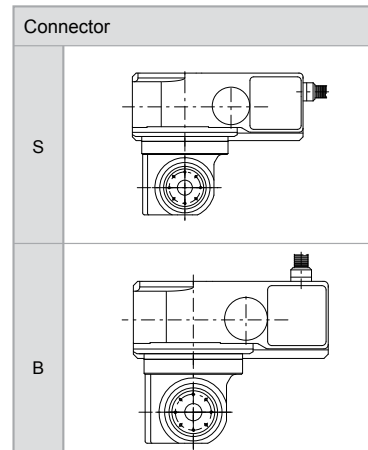
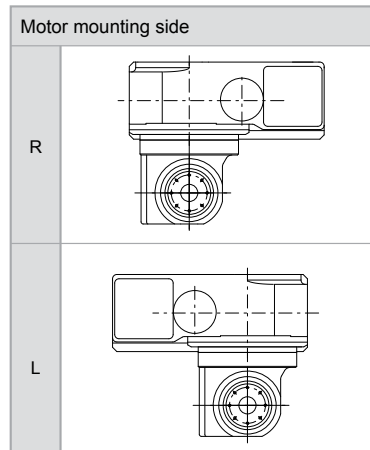
Options	RT080	RT100/RT160	
		Rotary axis	Tilt axis
Built-in rotary joint (number of ports)	-	2	-
Output rotary encoder	-	MPI-536A(MPRZ-536A) (MITSUBISHI)	MPI-736A(MPRZ-736B) (MITSUBISHI)

Model Code

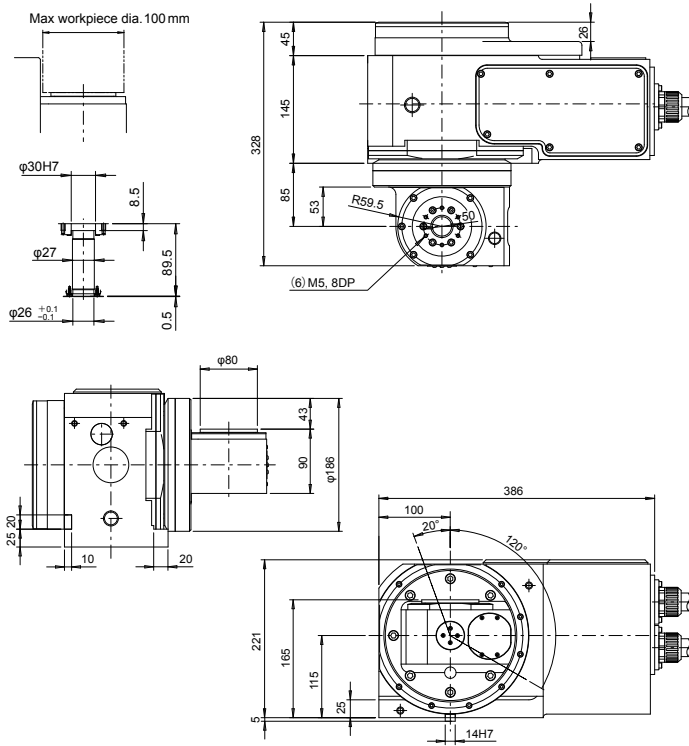
¹ RT100	-	² A	³ L	⁴ S	-	⁵ E	⁶ J
1		2	3	4		5	6
Model		Servo Motor	Motor mounting side	Connector		Encoder	Rotary joint (built-in)
RT080 RT100 RT160		A B C D E X	R L	S B		E	J

* If the unit is mounted with an encoder, hydraulic clamp, or rotary joint, the hollow bore table is not available.

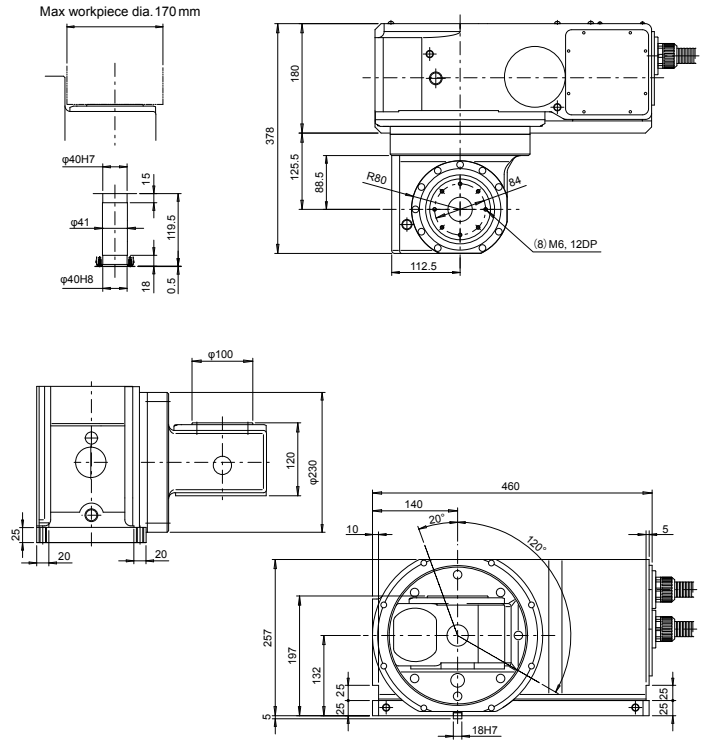
Servo Motor	
	Manufacture
A	FANUC
B	MITSUBISHI
C	YASKAWA
D	SANYO
E	-
X	Ask Sankyo for mounting other motors



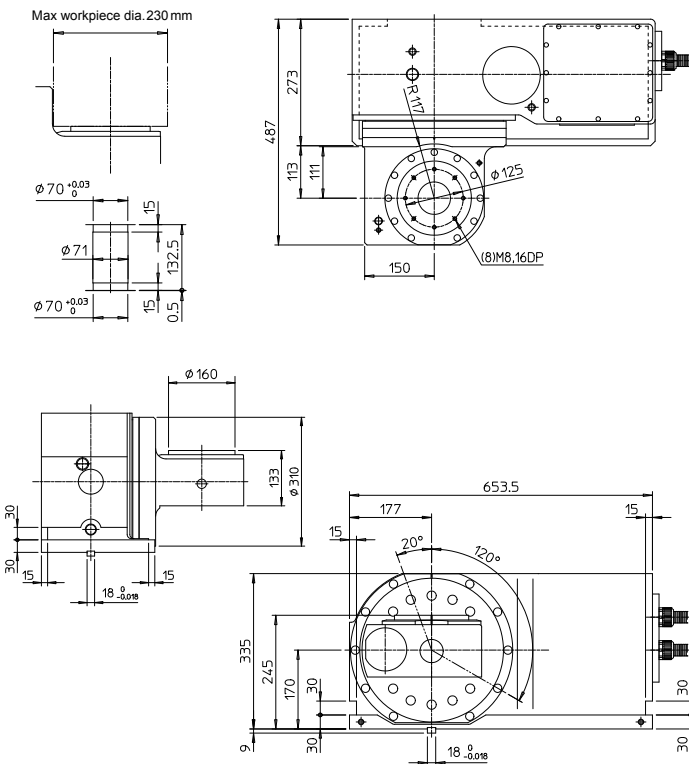
RT080 (With motor on right)



RT100 (With motor on right)



RT160



RT100