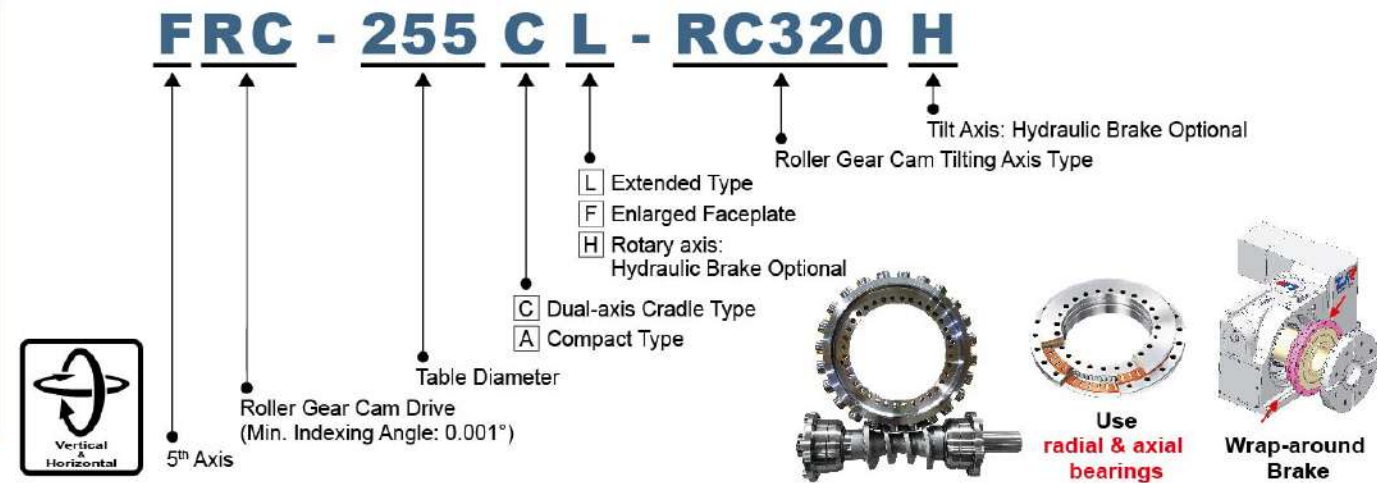


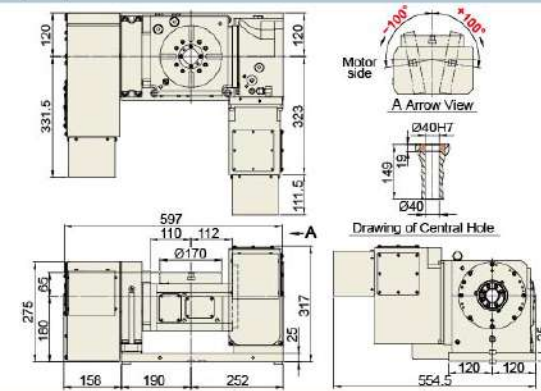
FRC Series (Pneumatic / Hydraulic Brake)



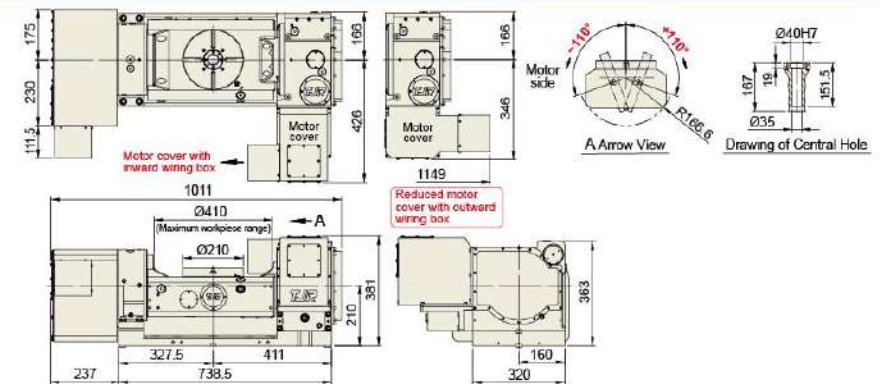
Item / Model	Unit	FRC-170A(H)-RC210(H)		FRC-210L-RC255		FRC-255CL-RC320		FRC-320CF-RC320	
Table Diameter	mm	Ø170		Ø210		Ø255		Ø320	
Inner Diameter of Mandrel Sleeve	mm	Ø40H7		Ø40H7		Ø80H7		Ø80H7	
Diameter of Center Through Hole	mm	Ø40		Ø35		Ø80		Ø80	
Table Height (Horizontal)	mm	245		270		310		310	
Table T-slot Width	mm	12H7		12H7		12H7		14H7	
Guide Block Width	mm	18h7		18h7		18h7		18h7	
Min. Increment	deg.	0.001		0.001		0.001		0.001	
Axis	-	Rotation Tilt ±100°		Rotation Tilt ±110°		Rotation Tilt ±110°		Rotation Tilt ±110°	
Indexing Precision	sec.	45		30		20		20	
Repeatability	sec.	6		6		6		6	
Clamping System : Pne. 0.6(6) / Hyd. 3.5(35)	MPa (kgf/cm ²)	Pne.	Hyd.	Pne.	Hyd.	Pne.	Hyd.	Pne.	Hyd.
Clamping torque (※1)	N·m (kgf·m)	245 (-)	304 (25)	491 (31)	294 (30)	1128 (115)	687 (70)	1717 (175)	687 (70)
Servo Motor Type (※2)	FANUC	Straight shaft without key		aiS4 / βis4	aiF4 / βis8	aiF8 / βis8	aiF8 / βis8	aiF8 / βis12	aiS12 / aiF12 / βis12
	MITSUBISHI	Straight shaft without key		HG-105	HG-54/104	HG-104	HG-154	HG-154	HG-204
Speed Reduction Ratio	-	1 / 60		1 / 36		1 / 60		1 / 120	
Max. Rotation Rate of Table (※3)	min ⁻¹	50		50		50		50	
Allowable Inertia Load Capacity (Horizontal)	kg·m ²	0.33		0.59		2.56		2.56	
Allowable Workpiece Load	0° Horizontal	kg		60		75		200	
	0°~90° Tilt	kg		40		50		150	
Allowable Thrust Load (with Rotary Table Clamping)	F	N (kgf)		5886 (600)		7358 (750)		14715 (1500)	
	FxL	N·m (kgf·m)		304(Pne.) (31)(Pne.)		491(Hyd.) (50)(Hyd.)		1128 (115)	
	FxL	N·m (kgf·m)		245 (25)		294 (30)		687 (70)	
	FxL	N·m (kgf·m)		245 (25)		363 (37)		540 (55)	
Driving Torque	N·m (kgf·m)	245 (25)		363 (37)		540 (55)		540 (55)	
Net Weight (without motor)	kg	-		315		580		580	

※1 : If a mechanical brake is not used, this value will correspond to the motor's holding torque.
 ※2 : Standard configuration: straight shaft without key. Please inquire for tapered-shaft motor compatibility.
 ※3 : The structural limit value, while the actual operating speed will vary depending on the motor.
 ※4 : Roller gear cam or D.D. rotary tables may lose position after power loss or alarm, causing axis shift at restart. Use a brake motor (cover size may vary).

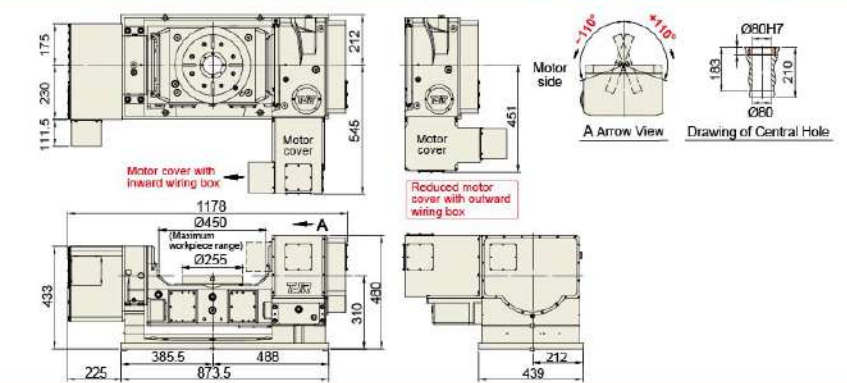
FRC-170A(H)-RC210(H)



FRC-210L-RC255 (Customizable Ø500 mm max. workpiece range for light-duty machining and large rotations.)



FRC-255CL-RC320 (Customizable Ø600 mm max. workpiece range for light-duty machining and large rotations.)



FRC-320CF-RC320

