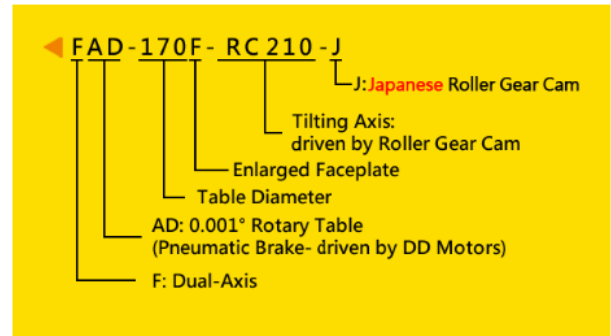


## FAD Series( Pneumatic Brake )

### The 4th & 5th Axis Direct Drive Motor Series

FAD-300HS-iRC320 / FAD-170F-RC210 / FAD-210F-RC210



Item	Unit	FAD-300HS-iRC320		FAD-170F-RC210	FAD-210F-RC210	
Table Diameter	mm	Ø300		Ø170	Ø210	
Diameter of Table Central Hole	mm	Ø 50H7 x 5.5 Deep		-		
Inner Diameter of Mandrel Sleeve	mm	-		Ø40H7		
Diameter of Center Through Hole	mm	-		Ø40		
Table Height (Horizontal)	mm	-		250		
Table T-Slot Width	mm	-		12H7		
Guide Block Width	mm	-		18h7		
Axis	-	Rotary axis	Tilt axis ±110°	Rotary axis	Tilt axis ±100°	
Cooling System	-	Water Cooling	-	Free Cooling	-	
Transmission Mechanism	-	D.D. Motor	Roller Gear Cam	DD Motor	Roller Gear Cam	
Min. Increment	deg.	0.001	0.001	0.001	0.001	
Indexing Precision	sec.	20	50	20	50	
Repeatability	sec.	4	8	4	8	
Clamping System (Pneumatic)	kg/cm.	6	Hydraulic 35	6	6	
Clamping Torque	kg-m	500	1150	310	310	
Servo Motor Model	FANUC	-	DD Motor	α12i/β22is(Straight)	DD Motor	α8iF/β12is
	MITSUBISHI		DD Motor	HF-204(Straight)	DD Motor	HF-154
Speed Reduction Ratio	-	Direct Drive	-	Direct Drive	1 : 36	
Rated / Max. Speed	r.p.m	1100/2500(600VDC)		200 / 300	83.3	

Rated / Max. Cutting Torque		Nm	166/242	29/116	150
Allowable Inertia Load Capacity (Horizontal)		kg · cm / sec.	07.авг	1.08 (Ø170)	1.65 (Ø210)
Allowable	0°Horizontal	kg	Please refer to the manual		
Workpiece Load	0°~90°Tilt	kg	Please refer to the manual		
Allowable Load (with clamping)	F	N	12000	4000	
	FxL	Nm	1150	310	
	FxL	Nm	500	310	
Net Weight		kg	-	173	176
<b>Electrical Specification</b>			<b>Electrical Specification</b>		
Encoder		-	Subject to demand and controller		Subject to demand and controller
Voltage (Back E.M.F)		Vrms/100rpm	Rotary axis: 47.5		Rotary axis: 38.8
Rotor Poles		-	22		44
Rated / Max. Current		Arms	27.7 / 49.1 (Water Cooling)		4.25 / 12.75
Power Rating		KW	09.июл	0.77	-