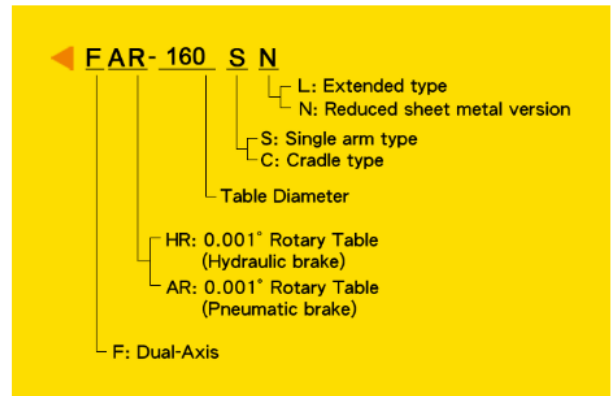


FAR Series(Pneumatic Brake)

Dual-axis single-arm type

FAR-100N / FAR-160SN



Item/Model		Unit	FAR-100SN(single-arm type)	FAR-160SN(single-arm type)
Table Diameter		mm	Ø 100	Ø 160
Diameter of Table Central Hole		mm	Ø 35H7x30 deep	
Inner Diameter of Mandrel Sleeve		mm	-	
Diameter of Center Through Hole		mm	Ø25	
Table Height (Horizontal)		mm	230	
Table T-slot Width		mm	12H7	
Guide Block Width		mm	18h7	
Axis			Rotation	Tilt ±110°
Min. Increment		deg.	0.001	0.001
Indexing Precision		sec.	40	50
Repeatability		sec.	4	8
Clamping System (Hydraulic)		kg/cm ²	Pneumatic 5	Hydraulic 35
Clamping Torque		kg-m	13	70
Servo Motor Model	FANUC	Straight Shaft	α2i, whose motor cover is bigger than the standard.	α8i / β8is
	MITSUBISHI	Straight Shaft	HF-KP43JW04-S6	HF-154
	SIEMENS	Straight Shaft	-	-
	DELTA	Straight Shaft	ECMA-C20604	ECMA-E12315
	YASKAWA	Straight Shaft	SGMJV-04A	SGMGV-13A
Speed Reduction Ratio		-	1 : 60	1 : 120

Max. Rotation Rate of Table (Calculate with Fanuc α Motor)		r.p.m	44.4	16.июн
Allowable Inertia Load Capacity (Horizontal)		kg.cm.sec.	0.31	0.8
Allowable Workpiece Load	0° Horizontal	kg	25	
	0°~90° Tilt	kg	20	
Allowable Load(with Rotary Table Clamping)	F	kgf	600	
	FxL	kgf.m	25	
	FxL	kgf.m	13	
Strength of worm gears (Rotary axis)		kg.m	9	
Net Weight (servo motor excluded)		kg	116	

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FEATURES



1 Both the tilting axis and rotary axis use large-diameter radial & axial bearings.

2 Because the tilting axis normally needs to bear heavy load, Japanese-made worm and worm gear are employed to improve wear resistance and precision of tilting axis. **standard component**

(It's wear life is 2.6 times longer than aluminum bronze PBC3.) (except for FHR-600C/630C)

3 The tilting, supporting, and rotary axis are all equipped with the hydraulic-brake mechanisms. (Employing three independent encircling hydraulic systems)

4 Max. tilting angle: $\pm 110^\circ$



Workpiece sample – 5 axis simultaneous contouring