

STANDARD TILTING ROTARY TABLE

NIKKEN











5AX-350

- CNC tilting rotary table with powerful clamping system
- A best-selling product suitable for use with medium-size and large machining center
- Ideal for lines consisting of horizontal machines only

Option				Accessories				
ADD. AXIS P.57	ACCURACY SPEC. P.99	ROTARY JOINT P.89	ULTRA PRECISION P.87	TAIL STOCK P.81	SCROLL CHUCK P.83	POWER CHUCK P.84	CLAMP DEVICE P.85	T-NUT P.86

Specifications

Item / Code No.		5AX-350		5AX-550	
Diameter of Table	φmm	350		550	
Diameter of Spindle Hole	φmm	φ80H7		φ130H7	
Center Height (90°)	mm	300		380	
Table Height in Horizontal Position (0°)	mm	300		518	
Width of T Slot	mm	12 ^{+0.018} ₀		14 ^{+0.018} ₀	
Axis		Rotary	Tilting (0°~105°)	Rotary	Tilting (0°~105°)
Clamping System		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Clamping Torque	N·m	1568	1568	3430	6272
Table Inertia at Motor Shaft	($\frac{GD^2}{4}$) kg·m ² ×10 ⁻³	0.8	1.35	5.5	5.2
Servo Motor	r/min	α iF8 ·2000	α iF12 ·2000	α iF12 ·2000	α iF12 ·2000
MIN. Increment		0.001°	0.001°	0.001°	0.001°
Rotation Speed	r/min	22.2	22.2	11.1	5.5
Total Reduction Ratio		1/90	1/90	1/180	1/360
Indexing Accuracy	sec	20	60	20	60
Net Weight	kg	420 (without Base:355)		1150	
MAX. Work Load on the Table	0° to 30°  kg	200		500	
	30° to 90°  kg	200		300	
MAX. Thrust Load applicable on the Table	Tilting Angle = 0°  N	19600		31360	
	Tilting Angle = 0°  L=175mm F=4900N	L=175mm F=4900N		L=275mm F=9800N	
	Tilting Angle = 90°  L ₁ =0mm F ₁ =17160N L ₂ =100mm F ₂ =8580N	L ₁ =0mm F ₁ =17160N L ₂ =100mm F ₂ =8580N		L ₁ =0mm F ₁ =19600N L ₂ =200mm F ₂ =14120N	
	Tilting Angle = 90°  F×L N·m	858		2548	
MAX. Work Inertia	 ($\frac{GD^2}{4}$) kg·m ²	3.2		23	
Driving Torque	 N·m	288		864	