

STANDARD TILTING ROTARY TABLE

NIKKEN









5AX-230

- CNC tilting rotary table with powerful clamping system
USA, EU : PAT
- A best-selling product suitable for use with mediumsize 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 PRECISIO 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-230		5AX-250	
Diameter of Table	φmm	230		250	
Diameter of Spindle Hole	φmm	φ60 _{H7} φ40		φ60 _{H7} φ50	
Center Height (90°)	mm	240		250	
Table Height in Horizontal Position (0°)	mm	285		250	
Width of T Slot	mm	12 ^{+0.018} ₀		12 ^{+0.018} ₀	
Axis		Rotary	Tilting (0°~105°)	Rotary	Tilting (0°~105°)
Clamping System		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Clamping Torque	N·m	490	3430	588	490
Table Inertia at Motor Shaft	$\left(\frac{GD^2}{4}\right) \text{ kg}\cdot\text{m}^2 \times 10^{-3}$	0.3	0.5	0.11	0.16
Servo Motor	r/min	α iF4·2000	α iF8·2000	α iF4·2000	α iF4·2000
MIN. Increment		0.001°	0.001°	0.001°	0.001°
Rotation Speed	r/min	11.1	5.5	22.2	11.1
Total Reduction Ratio		1/180	1/360	1/90	1/180
Indexing Accuracy	sec	20	60	20	60
Net Weight	kg	220		290	
MAX. Work Load on the Table	0° to 30° 	100		80	
	30° to 90° 	100		50	
MAX. Thrust Load applicable on the Table	Tilting Angle = 0° 	11760		9800	
	Tilting Angle = 0° 	L=115mm	F=5880N	L=100mm	F=4900N
	Tilting Angle = 90° 	L ₁ =0mm L ₂ =100mm	F ₁ =5880N F ₂ =2940N	L ₁ =0mm L ₂ =100mm	F ₁ =12040N F ₂ =6020N
	Tilting Angle = 90° 	451		382	
MAX. Work Inertia	$\left(\frac{GD^2}{4}\right) \text{ kg}\cdot\text{m}^2$	0.66		0.5	
Driving Torque	N·m	288		144	