

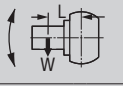

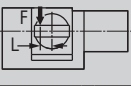
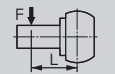


TN-161,B / 201,B

NARROW FOOTPRINT

The TN,B-Series tilting rotary tables feature a narrow footprint, powerful dual taper clamping, and a $-30^{\circ} \sim +110^{\circ}$ tilt range. They are space saving rotary tables for narrow machining centers.



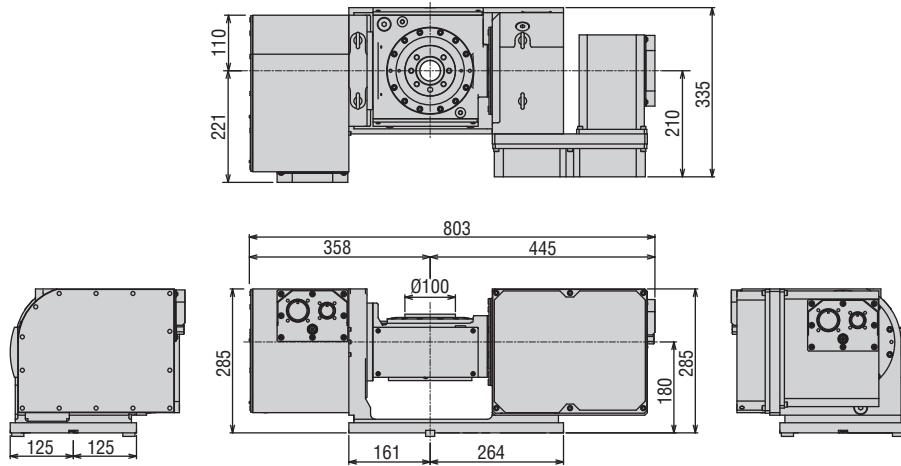
Model	TN-161,B		TN-201,B		
Tilt Range	$-30^{\circ} \sim +110^{\circ}$		$-30^{\circ} \sim +110^{\circ}$		
Spindle outer diameter	100h7		120h7		
Table diameter (optional)	160 (200)		200 (250)		
Table height at 0° position	235 (260 w/ face plate)		270 (300 w/ face plate)		
Center height at 90° position	180		210		
Center bore	Nose Diameter (w/ face plate)	55H7 (50H7)		65H7 (60H7)	
	Thru Diameter	40		45	
Table T-slot width	12H8 (w/ face plate)		12H8 (w/ face plate)		
Guide block width	18h7		18h7		
Servo motor (Fanuc)*	Rotary	Tilt	Rotary	Tilt	
	Alpha 2i	Alpha 2i	Alpha 4i	Alpha 4i	
Maximum motor speed	rpm	5,000	5,000	4,000	4,000
Speed reduction ratio		1/72	1/120	1/45	1/90
Maximum table speed	rpm	69.4	41.7	88.9	44.4
Clamp system	Pneumatic Dual Taper	Pneumatic Dual Taper	Pneumatic Dual Taper	Pneumatic Dual Taper	
Clamp torque @72psi	Nm (ft. lbs.)	500 (369)	800 (590)	800 (590)	1,000 (737)
Indexing accuracy	arc sec.	±15	-	±15	-
Indexing repeatability	arc sec.	±2	-	±2	-
Tilting accuracy	arc sec.	-	±22.5	-	±22.5
Tilting repeatability	arc sec.	-	±2	-	±2
Net Weight	kg (lbs.)	127 (279)		190 (418)	
Allowable wheel torque - rotary	Nm (ft. lbs.)	200 (147)		450 (332)	
Allowable work inertia	kg·m ²	.19		.59	
Allowable work weight	0° tilt angle 	kg (lbs)	60 (132)	120 (264)	
	0° ~ 90° tilt angle 	kg (lbs)	40 (88)	70 (154)	
Allowable work moment	 Nm (ft. lbs.)	39.2 (28.9)	53.7 (39.6)		
Allowable load when table clamped	 N (lbf)	7,840 (1,756)	13,720 (3,073)		
	 Nm (ft. lbs.)	500 (369)	800 (590)		
	 Nm (ft. lbs.)	800 (590)	1,000 (737)		

* Other motors & RPM available • Specifications subject to change without notice

Dimensions ▶

Drawings not to scale • Dimensions = mm

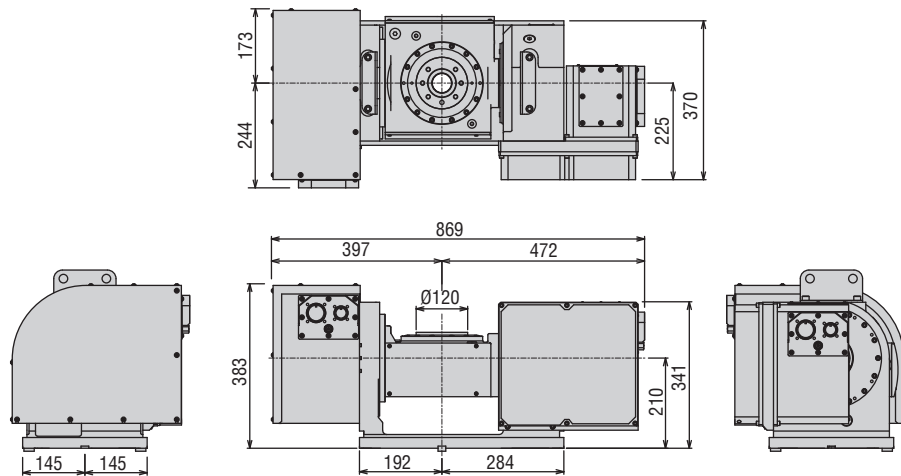
TN-161,B



• OPTIONAL TPC-Jr
NC Controller

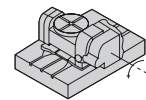


TN-201,B

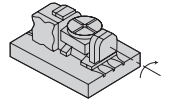


The dimensions above are for tables with a FANUC servo motor. Other motors available (dimensions may increase).

Layout a



Layout b

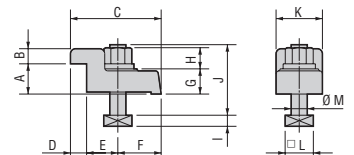


Clamping Block and Bolt ▶

Dimensions = mm

	Type	Q'ty	Layout	T-Slot Width	A	B	C	D	E	F	G	H	I	J	K	L	M
TN-161,B	I	4	a b	14	20	12	70	10	35	25	20	12	8	50	35	23	12
TN-201,B	I	4	a b	18	25	12	80	12	33	35	22	21	11	65	40	28	16

Type I



Note 1: In the case of layout B, contact us for details about mounting.

Note 2: When using a machine with a T-slot pitch other than the above, use suitable clamping blocks and bolts that are available on the market, or order custom-made ones from KOMA (opt.)