



KOMA





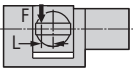



TTNC-1500

LARGE CAPACITY ROTARY TABLE

TSUDAKOMA

TSUDAKOMA TTNC-SERIES

Model		TN-450	TTNC-631	TTNC-1001	TTNC-1500				
Tilt Range		-10° ~ +95°	-10° ~ +95°	-20° ~ +110°	-30° ~ +95°				
Table diameter	mm	450	630	1,000	1,500				
Table height at 0° position	mm	425	585	900	1,155				
Center height at 90° position	mm	325	450	700	1,055				
Center bore	Nose Diameter	mm	140H7	180H6	75H7	75H7			
	Thru Diameter	mm	140	180	-	-			
Table T-slot width		14H7	18H7	22H7	28H7				
Guide block width		18h7	18h7	-	-				
Servo motor (Fanuc)*		Rotary	Tilt	Rotary	Tilt	Rotary	Tilt	Rotary	Tilt
		Alpha 12i	Alpha 12i	Alpha 12i	Alpha 12i	Alpha 22i	Alpha 30i	Alpha 30i	Alpha 30i
Maximum motor speed	rpm	4,000	4,000	4,000	4,000	3,000	2,000	2,000	2,000
Speed reduction ratio		1/180	1/360	1/180	1/360	1/360	1/1,440	1/720	1/1,440
Maximum table speed	rpm	22.2	11.1	22.2	11.1	8.3	1.4	2.7	1.4
Inertia converted into motor shaft	x 10 ⁻³ kg·m ²	1.98	2.7	5.42	3.77	4.37	4.1	5.37	7.46
Clamp system**		Hydraulic @500psi	Hydraulic @500psi	Hydraulic @500psi	Hydraulic @500psi	Hydraulic @1,000psi	Hydraulic @1,000psi	Hydraulic @500psi	Hydraulic @500psi
Clamp torque	Nm (ft. lbs.)	980 (722)	980 (722)	4,410 (3,250)	2,352 (1,733)	9,800 (7,223)	19,600 (14,445)	12,000 (8,844)	12,500 x (2) (9,213) x (2)
Indexing accuracy	arc sec.	±7.5	-	±7.5	-	±7.5	-	±10	-
Tilting accuracy	arc sec.	-	±30	-	±30	-	±30	-	±22.5 (scale)
Net Weight	kg (lbs.)	780 (1,716)	1,700 (3,740)	4,600 (10,120)	12,000 (26,400)				
Allowable wheel torque - rotary	Nm (ft. lbs.)	1,666 (1,228)	3,284 (4,420)	13,230 (9,751)	21,560 (15,890)				
Allowable work inertia	kg·m ²	5.1	29.7	312.6	2,255				
Allowable work weight	0° tilt angle 	kg (lbs)	200 (440)	600 (1,320)	2,500 (5,500)	2,500 (5,500)			
	0° ~ 90° tilt angle 	kg (lbs)	150 (330)	300 (660)	1,500 (3,300)	1,500 (3,300)			
Allowable work moment	 Nm (ft. lbs.)	294 (217)	980 (722)	7,840 (5,778)	7,840 (5,778)				
Allowable load when table clamped	 N (lbf)	19,600 (4,390)	24,500 (5,488)	29,400 (6,587)	49,000 (10,976)				
	 Nm (ft. lbs.)	980 (722)	4,410 (3,250)	9,800 (7,223)	12,000 (8,844)				
	 Nm (ft. lbs.)	980 (722)	2,352 (1,733)	19,600 (14,445)	12,500 x (2) (9,213) x (2)				

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