

RNCK-501, 631

POWERFUL HYDRAULIC CLAMPING

The RNCK-Series rotary tables have been designed for use on horizontal machining centers. These tables are typically pallet mounted for use in high production machining environments. An RNCK-631-BB (Big Bore) table is also available (see page 42).



RNCK-631

Specifications ►

Dimensions = mm

Table Model		RNCK-501	RNCK-631
Table diameter		500	630
Center height		310	400
Center bore	Nose Diameter	50H7	60H6
	Thru Diameter	50	60
Table T-slot width		18H7	
Guide block width		18h7	
Servo motor (Fanuc)*		Alpha 12i	
Maximum motor speed	rpm	3,000	
Speed reduction ratio		1/180	
Maximum table speed	rpm	16.7	
Inertia converted into motor shaft	$\times 10^{-3}\text{kg}\cdot\text{m}^2$	3.09	5.55
Clamp system**		Hydraulic	
Clamp torque @500psi	Nm (ft. lbs.)	2,450 (1,806)	4,410 (3,250)
Indexing accuracy	arc sec.	± 7.5	± 7.5
Repeatability	arc sec.	± 2	± 2
Net Weight	kg (lbs.)	450 (990)	800 (1,760)
Allowable wheel torque	Nm (ft. lbs.)	2,450 (1,806)	4,116 (3,033)
Allowable work inertia	kg·m ²	18.2	39.7
Allowable work weight	 kg (lbs) [w/ tailstock]	250 (550) [600 (1,320)]	400 (880) [800 (1,760)]
Allowable load when table clamped	 N (lbf)	49,000 (10,976)	49,000 (10,976)
	 Nm (ft. lbs.)	2,450 (1,806)	4,410 (3,250)
	 Nm (ft. lbs.)	3,430 (2,528)	7,840 (5,778)

* Other motors & RPM available

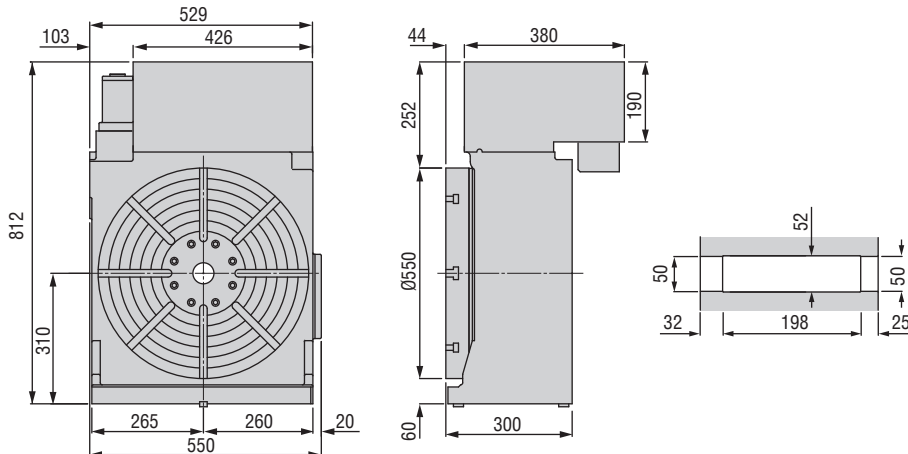
** Booster optional

Specifications subject to change without notice

Dimensions ▶

Drawings not to scale • Dimensions = mm

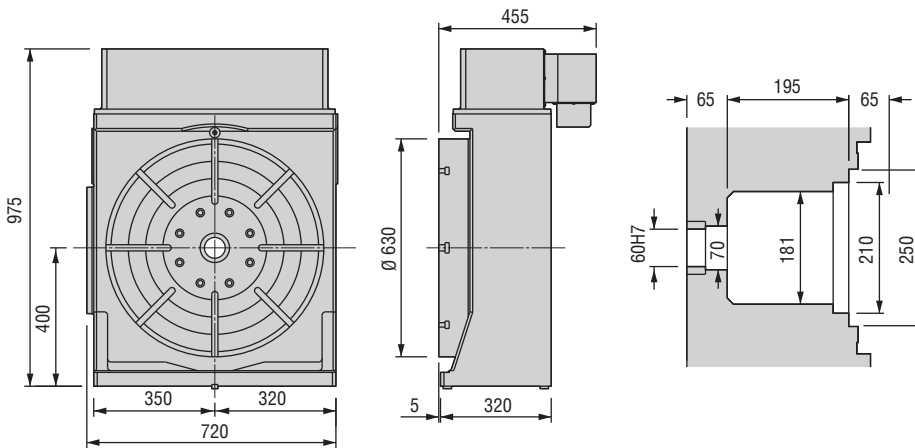
RNCK-501



• RNCK-631-BB



RNCK-631



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

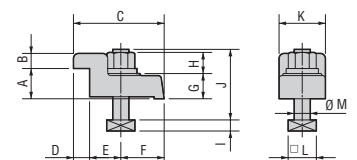
Clamping Block and Bolt ▶

Dimensions = mm

	Type	Q'ty	T-Slot Width	A	B	C	D	E	F	G	H	I	J	K	L	M
RNCK-501	I	4	18	40	20	109	18	42	50	25	21	11	70	46	28	16
RNCK-631	II	4	18	40	18	63	18	15	30	58	21	11	105	60	28	16

Note: 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.)

Type I



Type II

