

RBA-250K-2, 320K-2, 400K-2, 500K-2

HEAVY DUTY • MULTI-FACE PLATE, MULTI-SPINDLE TABLE

The RBA-Series dual face plate rotary tables are designed for use on pallet equipped horizontal machining centers. RBA-K dual face plate tables utilize a powerful dual disc hydraulic clamping mechanism, and are available with a built-in air/hydraulic booster.



RBA-400K-2

Specifications ▶

Dimensions = mm

Table Model			RBA-250K-2	RBA-250K-2,S	RBA-320K-2	RBA-320K-2,S	RBA-400K-2	RBA-500K-2
Table diameter		mm	250	250	320	320	400	500
Center height		mm	160	160	210	210	255	310
Center bore	Nose Diameter	mm	95H7	95H7	130H7	130H7	190H7	220H7
	Thru Diameter	mm	71	71	101	101	151	182
Table T-slot width			12H7	12H7	14H7	14H7	14H7	18H7
Guide block width			18h7					
Servo motor (Fanuc)*			Alpha 8i	Alpha 8is	Alpha 12i	Alpha 22is	Alpha 12i	Alpha 12i
Maximum motor speed		rpm	4,000	4,000	4,000	4,000	4,000	4,000
Speed reduction ratio			1/90	1/45	1/90	1/45	1/90	1/180
Maximum table speed		rpm	44.4	88.9	44.4	88.9	44.4	44.4
Inertia converted into motor shaft		x 10 ⁻³ kg·m ²	.94	1.0	3.04	3.47	4.28	3.00
Clamp system**			Hydraulic					
Clamp torque @500psi		Nm (ft. lbs.)	1,000 (737)	1,000 (737)	2,450 (1,806)	2,450 (1,806)	4,200 (3,095)	6,100 (4,496)
Indexing accuracy		arc sec.	±7					
Repeatability		arc sec.	±2					
Net Weight		kg (lbs.)	105 (231)	105 (231)	185 (407)	185 (407)	300 (660)	550 (1,210)
Allowable wheel torque		Nm (ft. lbs.)	581 (428)	581 (428)	939 (692)	939 (692)	1,666 (1,228)	3,276 (2,414)
Allowable work inertia		kg·m ²	2.34	2.34	5.12	5.12	9.7	18.2
Allowable work weight per face plate		kg (lbs)	75 (165)	75 (165)	100 (220)	100 (220)	125 (275)	125 (275)
Allowable load when table clamped		N (lbf)	19,600 (4,390)	19,600 (4,390)	29,400 (6,586)	29,400 (6,586)	39,200 (8,781)	49,000 (10,976)
		Nm (ft. lbs.)	1,000 (737)	1,000 (737)	2,450 (1,806)	2,450 (1,806)	4,200 (3,095)	6,100 (4,496)
		Nm (ft. lbs.)	980 (722)	980 (722)	3,626 (2,672)	3,626 (2,672)	5,880 (4,334)	13,132 (9,678)

* Other motors & RPM available

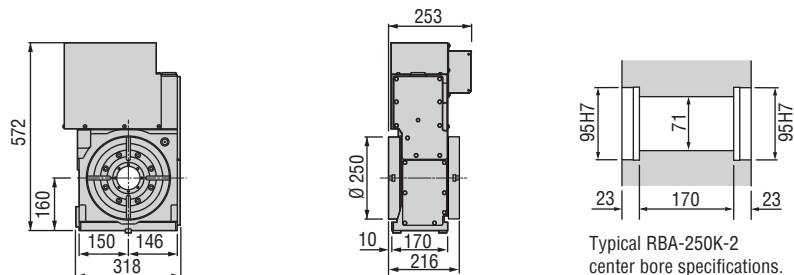
** Booster optional

Specifications subject to change without notice

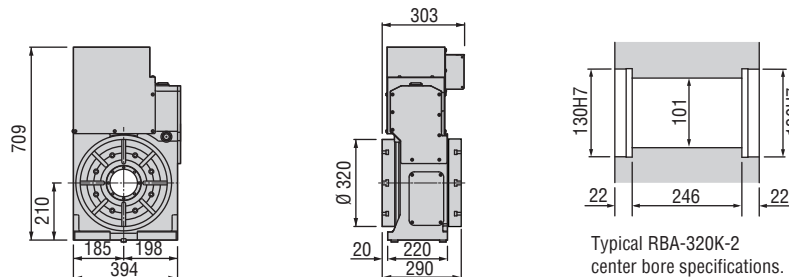
Dimensions ►

Drawings not to scale • Dimensions = mm

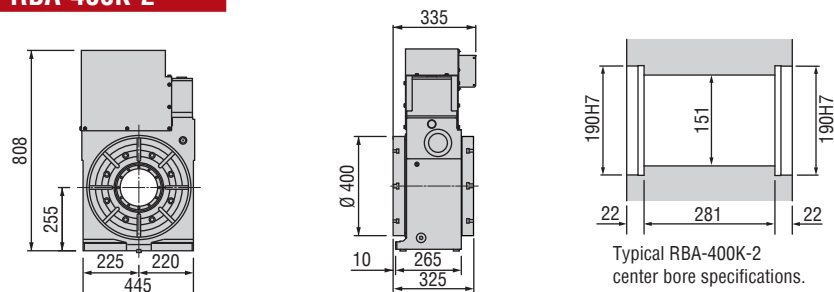
RBA-250K-2



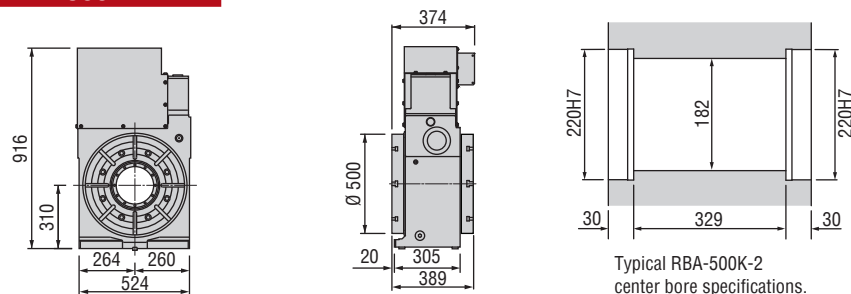
RBA-320K-2



RBA-400K-2



RBA-500K-2



• RBA-500K-2 with custom swivel box



Options & Accessories

TPC NC Controller	p.68
Chucks	p.79
Tailstock	p.81
Support Spindle	p.81
Face Plate	p.83
Encoder / Scale	p.84
Pull Stud Device	p.85
Rotary Joint	p.85
PVC or Steel Cables	p.86

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
RBA-250K-2	I	4	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RBA-320K-2	I	4	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RBA-400K-2	I	4	18	30	15	90	16	31	43	25	21	11	70	46	28	16
RBA-500K-2	I	4	18	40	20	110	18	42	50	25	21	11	70	46	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

