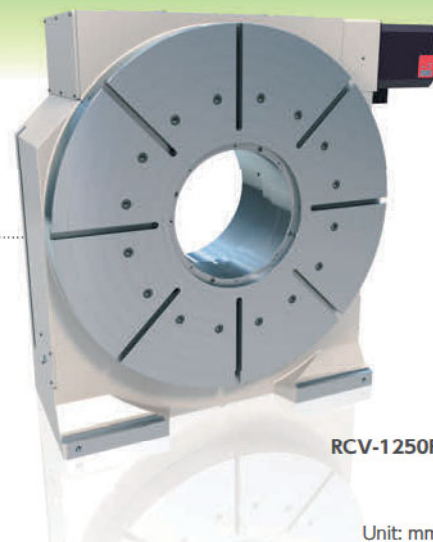


Horizontal motor mounting type

RCV RCV-800•1000•1250•1600

Standard model with the motor mounted horizontally onto the side of the body. A powerful hydraulic clamping mechanism is also equipped with this model.



RCV-1250R

Unit: mm

Specifications

		RCV-800	RCV-1000	RCV-1250	RCV-1600
Handedness	R	○	○	○	○
	L	—	—	—	—
	K	○	○	○	○
Table diameter () : option		φ800 (φ1,000)	φ1,000 (φ1,200)	φ1,250 (φ1,500)	φ1,600
Center height		530	625	775	950
Center bore	Nose diameter	φ360H7×45	φ410H7×75	φ500H7×25	φ67H7
	Through-bore	φ310	φ360	φ450	—
Table T-slot width		18H7	22H7	22H7	28H7
Guide block width		22h7	22h7	22h7	22h7
Servo motors (for FANUC)		αiF12	αiF22	αiF22	αiF22
Inertia converted into motor shaft	×10 ⁻³ kg·m ²	4.89	8.24	5.04	6.14
Net weight	kg	1,350	2,500	4,200	7,200
Speed reduction ratio		1/360	1/360	1/720	1/720
Table max. rpm	min ⁻¹ (Motor rpm: 2,000min ⁻¹)	5.5	5.5	2.7	2.7
Indexing accuracy (the sum)	sec	15	15	15	15
Clamp system		Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic or air-hydraulic (Option)	Hydraulic
Clamp torque / Hydraulic pressure 3.5Mpa	N·m	16,000	20,000	33,000	41,000
Strength of worm gears	N·m	7,840	13,230	25,000	25,000
Allowable work weight	Vertical setting () : with tailstock 	kg 2,000 (4,000)	kg 3,500 (7,000)	kg 7,000 (14,000)	kg 10,000 (20,000)
	Horizontal setting 	kg 4,000	kg 7,000	kg 14,000	kg 20,000
Allowable load (when table is clamped)	F 	N 100,000	N 185,000	N 383,000	N 754,000
	F×L 	N·m 16,000	N·m 20,000	N·m 33,000	N·m 41,000
	F×L 	N·m 11,600	N·m 22,900	N·m 56,700	N·m 153,000
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$ 	kg·m ² 320	kg·m ² 874	kg·m ² 2,734	kg·m ² 6,400

CE correspondence model

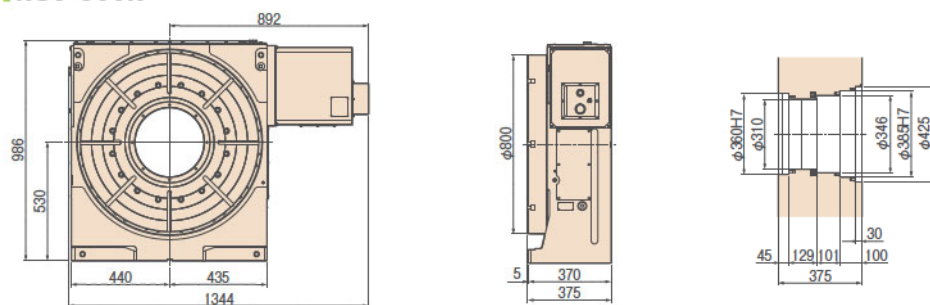
Tech.Info. Servo motors of other manufacturers **P.68**

Option High-precision Spec. **P.64** Air-hydraulic Booster **P.67**

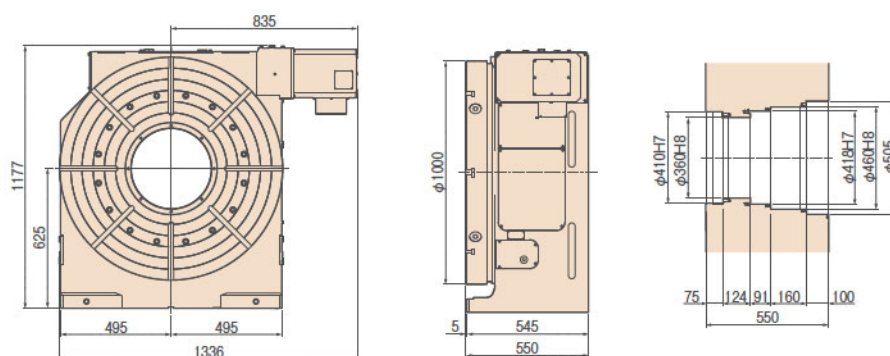
Dimensions

Unit: mm

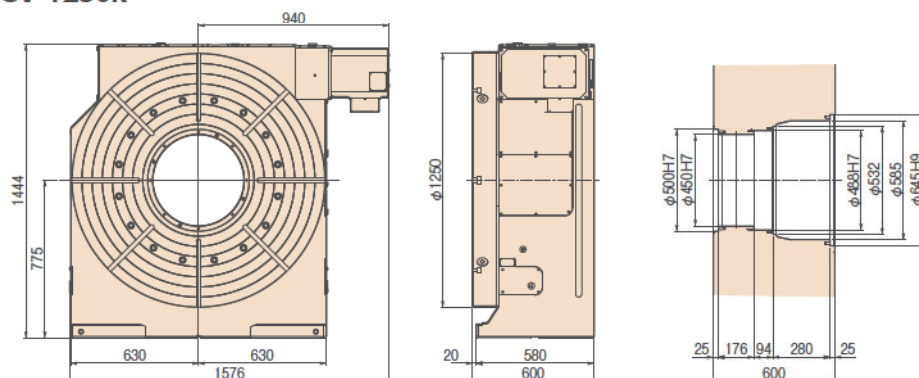
RCV-800R



RCV-1000R



RCV-1250R



Note: The above dimensions are for FANUC servo motors. The dimensions of servo motors of other manufacturers may be larger.

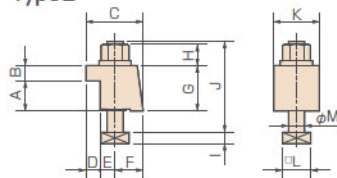
Clamping block and bolt

Unit: mm

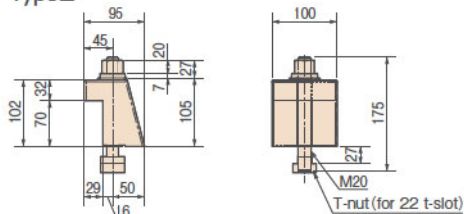
	Type	Q'ty	T-slot pitch	T-slot width	A	B	C	D	E	F	G	H	I	J	K	L	M
RCV-800	II	4	80 to 350	22	60	28	95	29	16	50	88	27	13	145	100	32	20
RCV-1000	II	4	80 to 400	22	60	28	95	29	16	50	88	27	13	145	100	32	20
RCV-1250	II	8	—	22	60	28	95	29	16	50	88	27	13	145	100	32	20
RCV-1600	III	10	—	22	See below												

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 TSUDAKOMA. (Option)

Type II



Type III



Specialty rotary table

Largest Vertical NC Rotary Table

Table diameter : ϕ 2,000 mm

Allowable work weight : 30 t

(with support spindle)

Indexing accuracy : 15 sec



RBS

RBH

Multi-Spindle

RBM

TBS

RWE/RWA

RN

RWH

RWA-B

RNCV-B

RWB

RWB-K

RNCK

RCB

RCH

RNC

RCV

Multi-Spindle

RWM

TWA/TN

TWB

TTNC

Multi-Spindle

TWM

RDS

RTV

RTT

TDS

TDB

NC Controllers

Accessories

Options

Technical

Information