

Standard type – Hydraulic –

RWH

RWH-160•200•250•320

New hydraulic clamp specification is added to the basic model, which was only available in air clamp specification. Selection can be made according to the fluid in the operating environment.



RWH-200R

Unit: mm

Specifications

		RWH-160	RWH-200	RWH-250	RWH-320
Handedness	R	○	○	○	○
	L	○	○	○	○
Spindle diameter		φ 100	φ 120	φ 140	φ 180
Table diameter		φ 160 or 200 (Option)	φ 200 or 250 (Option)	φ 250 (Option)	φ 320 (Option)
Center height		135	160	160	210
Center bore	Nose diameter	φ 55H7×45	φ 65H7×45	φ 80H7×45	φ 115H7×45
	Through-bore	φ 40	φ 45	φ 50	φ 85
Table T-slot width		12H8	12H8	12H8	14H8
Guide block width		14h7	18h7	18h7	18h7
Servo motors (for FANUC)		α iS2	α iS4	α iS8	α iS8
Inertia converted into motor shaft	$\times 10^{-3} \text{kg} \cdot \text{m}^2$	0.09	0.17	0.41	0.52
Net weight	kg	40	61	80	150
Speed reduction ratio		1/72	1/72	1/90	1/120
Table max. rpm	min^{-1} (Motor rpm: 3,000 min^{-1})	41.6	41.6	33.3	25
Indexing accuracy (the sum)	秒	25	20	20	20
Clamp system		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Clamp torque / Hydraulic pressure 3.5MPa	N·m	500	800	1,000	1,500
Strength of worm gears	N·m	206	288	596	939
Allowable work weight	Vertical setting () : with tailstock	100 (200)	125 (250)	125 (250)	175 (350)
	Horizontal setting	200	250	250	350
Allowable load (when table is clamped)	F	10,800	14,400	14,400	24,800
	F×L	500	800	1,000	1,500
	F×L	780	1,900	1,900	4,700
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$	0.64	1.25	1.95	4.48

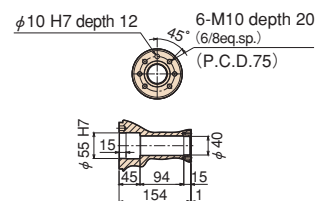
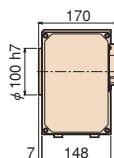
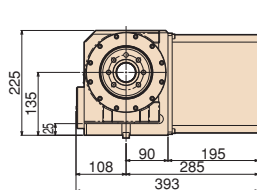
CE correspondence model

- ⓧ **Tech. Info.** Servo motors of other manufacturers **P.68** When assembling a faceplate or a fixture with the main spindle **P.79**
- ⓧ **Option** High-precision Spec. **P.64** Rotary Joint **P.66**

Dimensions

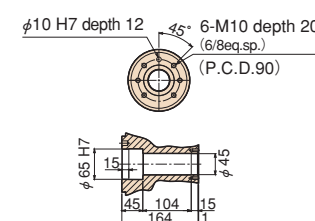
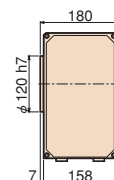
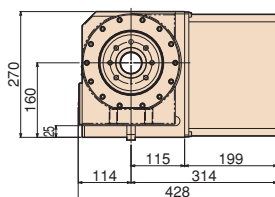
Unit:mm

RWH-160



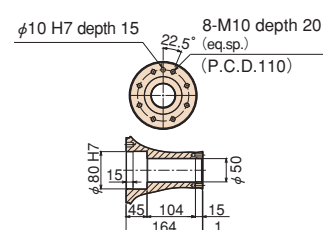
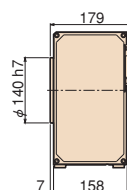
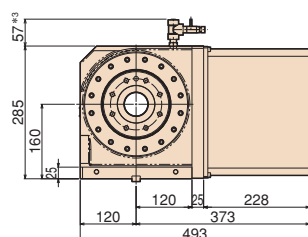
•Size 160 is for vertical setting only.

RWH-200



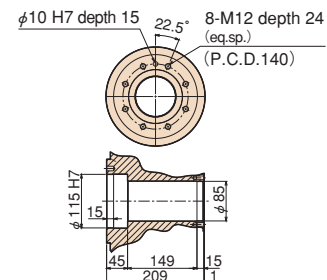
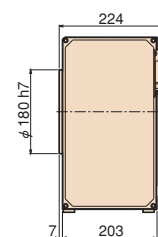
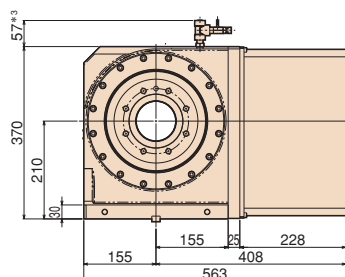
•Size 200 is for vertical setting only.

RWH-250



*3 Hydraulic feed port and bleed plug are attached to the top of the frame for horizontal setting only.
•Size 250 can be used either horizontally or vertically. It cannot be used both horizontally and vertically.

RWH-320



*3 Hydraulic feed port and bleed plug are attached to the top of the frame for horizontal setting only.
•Size 320 can be used either horizontally or vertically. It cannot be used both horizontally and vertically.

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

Clamping block and bolt

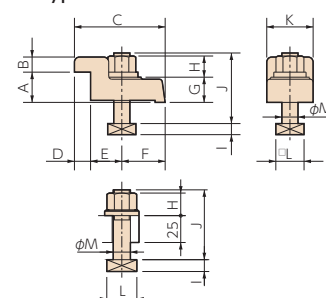
Unit: mm

	Type	Q'ty	T-slot pitch	T-slot width	A	B	C	D	E	F	G	H	I	J	K	L	M
RWH-160	—	2	—	14	—	—	—	—	—	—	—	17	8	60	—	23	12
RWH-200	—	2	—	18	—	—	—	—	—	—	—	21	11	65	—	28	16
RWH-250	I	4	50 to 100	18	25	12	80	12	33	35	22	21	11	65	40	28	16
RWH-320	I	4	50 to 132	18	30	15	90	16	31	43	25	21	11	70	46	28	16

Note 1: 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)

Note 2: Clamping blocks are not included with the RWH-160 and RWH-200.

Type I



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