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		ϕ100	ϕ120	ϕ140	ϕ180
Table diameter		ϕ160 or 200 (Option)	ϕ200 or 250 (Option)	ϕ250 (Option)	ϕ320 (Option)
Center height		135	160	160	210
Center bore	Nose diameter	ϕ55H7×45	ϕ65H7×45	ϕ80H7×45	ϕ115H7×45
	Through-bore	ϕ40	ϕ45	ϕ50	ϕ85
Table T-slot width		12H8	12H8	12H8	14H8
Guide block width		14h7	18h7	18h7	18h7
Servo motors (for FANUC)		αiS2	αiS4	αiS8	αiS8
Inertia converted into motor shaft	$\times10^{-3}$kg·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 (Motor rpm: 3,000min^{-1})	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	kg	100 (200)	125 (250)	125 (250)	175 (350)
Allowable work weight — Horizontal setting 	kg	200	250	250	350
Allowable load (when table is clamped) — F 	N	10,800	14,400	14,400	24,800
Allowable load (when table is clamped) — F×L 	N·m	500	800	1,000	1,500
Allowable load (when table is clamped) — F×L 	N·m	780	1,900	1,900	4,700
Allowable work inertia $J=\frac{W\cdot D^2}{8}$ 	kg·m^2	0.64	1.25	1.95	4.48

CE correspondence model

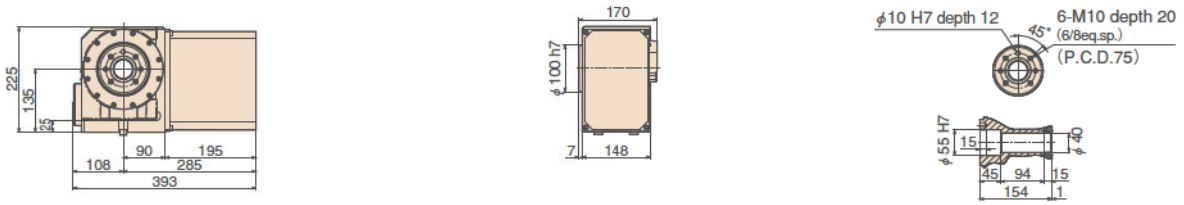
Tech.Info. Servo motors of other manufacturers P.68 When assembling a faceplate or a fixture with the main spindle P.79

Option High-precision Spec. P.64 Rotary Joint P.66

Dimensions

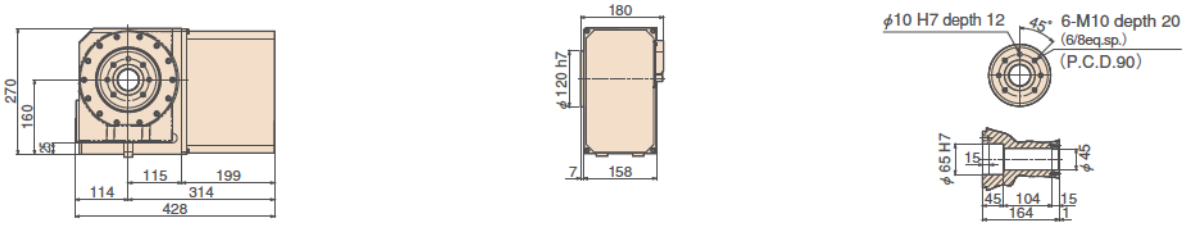
Unit:mm

RWH-160



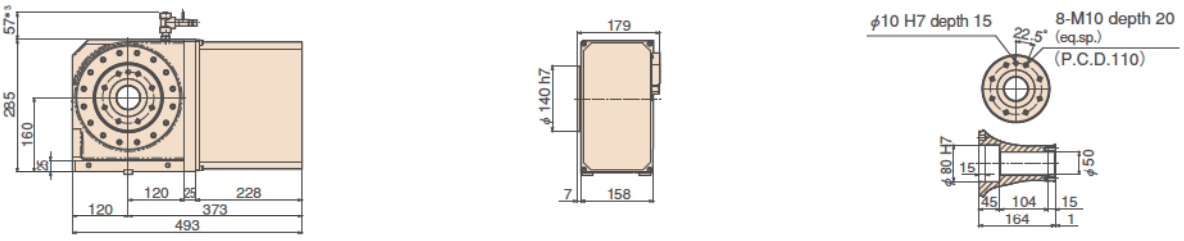
・Size 160 is for vertical setting only.

RWH-200



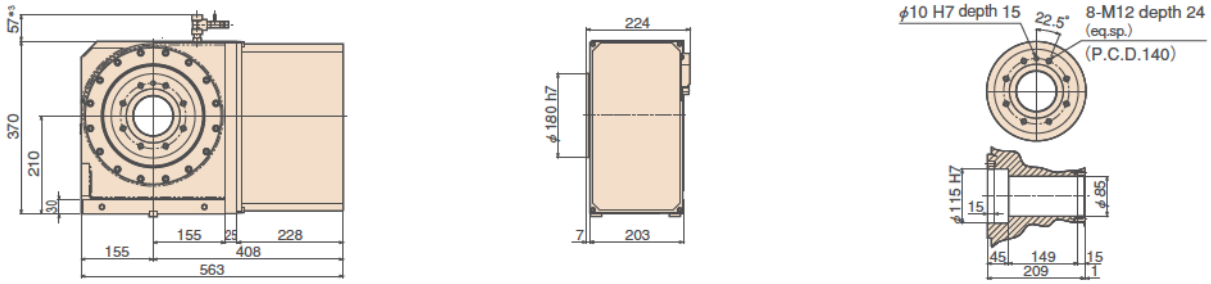
・Size 200 is for vertical setting only.

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.

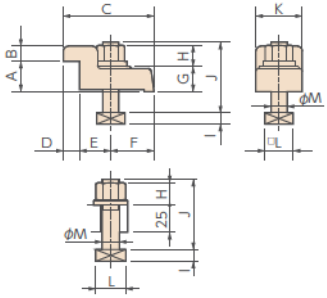
RWH-320



＊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.

Type I



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.