

Multi-spindle Type

RWM

RWM-160-2/3/4
RWM-200-2/3/4
RWM-250-2/3/4
RWM-320-2/3/4



RWM-160R-2,PS

High-productivity model for multi-piece/multi-face machining. The RWM-160, the smallest of the RN-series, assures the fastest operation and meets the requirements for drilling and tapping machines.

Specifications

Unit: mm

		RWM-160			RWM-200			RWM-250			RWM-320			
Handedness	R	○			○			○			○			
	L	○			○			○			○			
Spindle diameter		φ 100h7			φ 120h7			φ 140h7			φ 180h7			
Table diameter		φ 160、φ 200 (Option)			φ 200、φ 250 (Option)			φ 250 (Option)			φ 320 (Option)			
Distance between spindles		215 or 250			250 or 320			320 or 400			400 or 500			
Center height		135			160			160			210			
Center bore	Nose diameter	φ 55H7			φ 65H7			φ 80H7			φ 115H7			
	Through-bore	φ 40			φ 45			φ 50			φ 85			
Guide block width		14h7			18h7			18h7			18h7			
Servo motors (for FANUC)		α iF4	α iF8		α iF8		α iF8		α iF8		α iF8			
Number of axis		2-axis	3-axis	4-axis	2-axis	3-axis	4-axis	2-axis	3-axis	4-axis	2-axis	3-axis	4-axis	
Inertia converted into motor shaft ×10 ⁻³ kg・m ² (When spindle pitch is minimum)		0.31	0.43	0.56	0.46	0.64	0.85	0.55	0.82	1.09	1.07	1.61	2.15	
Net weight (When spindle pitch is minimum (and with base plate))		kg	105	150	200	155	225	295	210	310	435	380	600	880
Speed reduction ratio		1/72			1/72			1/120			1/120			
Table max. rpm (Motor rpm: 3,000min ⁻¹)		41.6			41.6			16.6			16.6			
Clamp system		Pneumatic			Pneumatic			Pneumatic			Pneumatic			
Clamp torque ／pneumatic pressure 0.49MPa		N・m			500			800			1,000			1,500
Indexing accuracy (the sum)		sec			25			20			20			20
Strength of worm gears		N・m			206			288			596			939
Allowable work weight Vertical setting  () :with tailstock		kg/axis			100 (200)			125 (250)			125 (250)			175 (350)
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
F×L 		N・m			780			1,900			1,900			4,700
Allowable work inertia (per single-axis) $J=\frac{W \cdot D^2}{8}$ 		kg・m ²			0.64			1.25			1.95			4.48

CE correspondence model

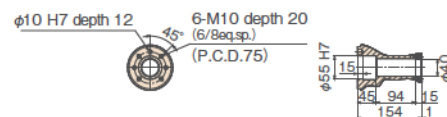
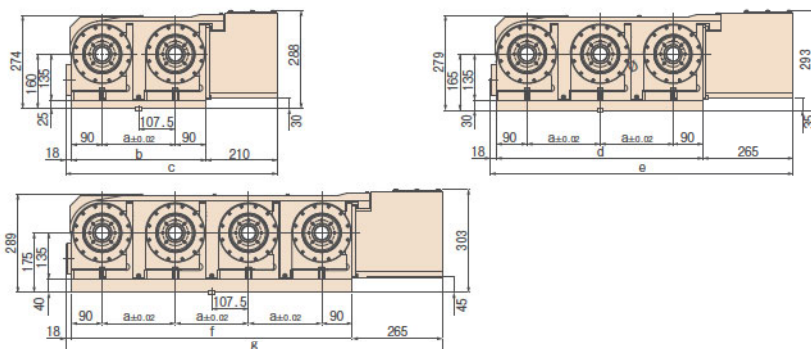
TechInfo Servo motors of other manufacturers **P.68**

Option Rotary Joint **P.66**

Dimensions

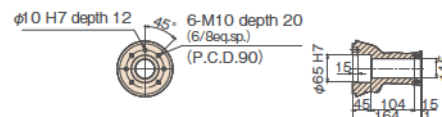
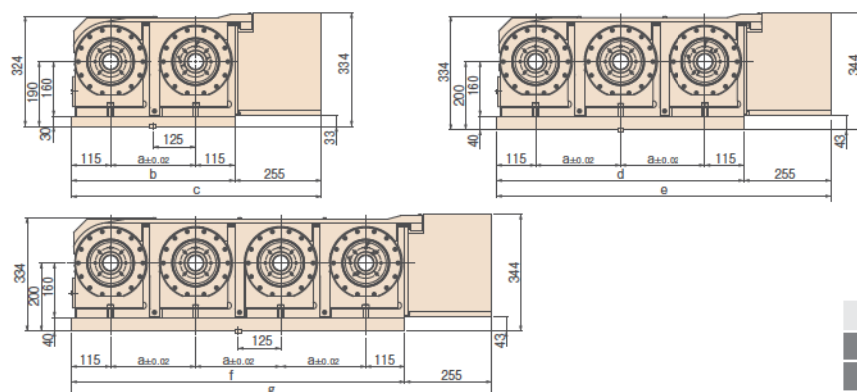
Unit: mm

RWM-160R-2/3/4



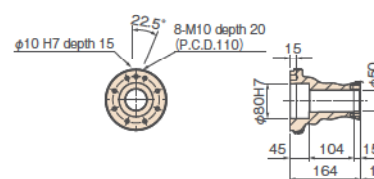
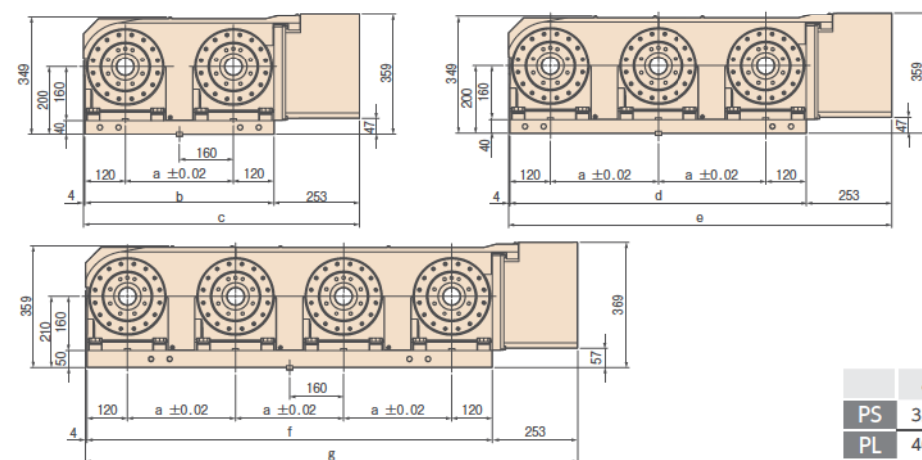
	a	b	c	d	e	f	g
PS	215	395	623	610	893	825	1,108
PL	250	430	658	680	963	930	1,213

RWM-200R-2/3/4



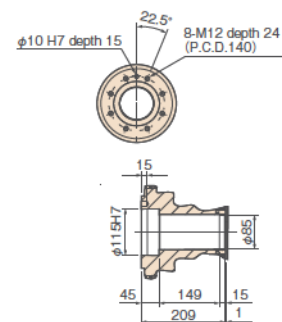
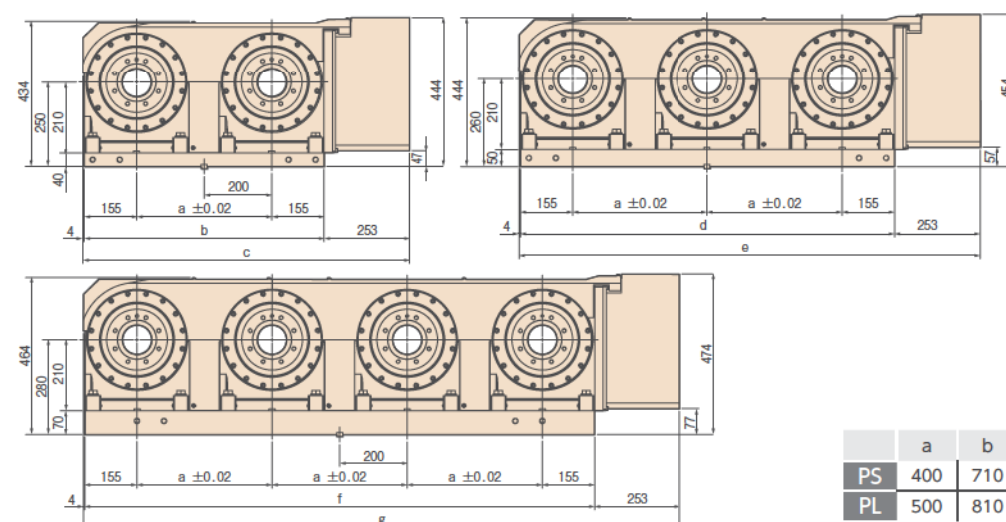
	a	b	c	d	e	f	g
PS	250	480	735	730	985	980	1,235
PL	320	550	805	870	1,125	1,190	1,445

RWM-250R-2/3/4



	a	b	c	d	e	f	g
PS	320	560	817	880	1,137	1,200	1,457
PL	400	640	897	1,040	1,297	1,440	1,697

RWM-320R-2/3/4



	a	b	c	d	e	f	g
PS	400	710	967	1,110	1,367	1,510	1,767
PL	500	810	1,067	1,310	1,567	1,810	2,067

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

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