

## Strong & Compact NC Rotary Table

# MK series

Performance improved

Improved mounting



Wide selection of rotary joints

### Specifications

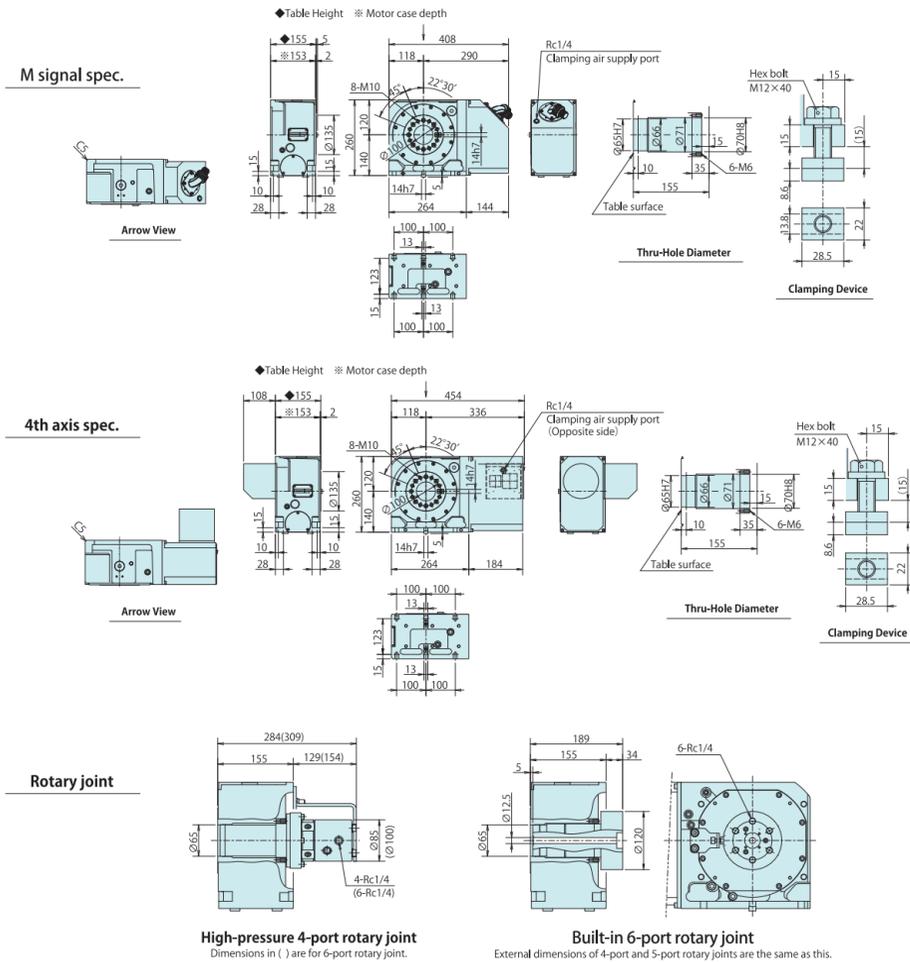
Model	Table diameter mm	Registered diameter of table mm	Spindle through hole diameter mm	Centre height mm	Clamping method	Clamping torque N·m	Motor axis reduced inertia for FANUC spec. kg·m <sup>2</sup>	Servo motor for FANUC spec.	Gear ratio
MK200R	φ 135	Φ 65H7	φ 70	140	Pneumatic	570	0.000182	α iF4/5000	1/90
MK250R	φ 155	Φ 70H7	φ 70	180	Pneumatic	1000	0.000410	α iF4/5000	1/90

Max. spindle speed (Motor: 3000min <sup>-1</sup> ) min <sup>-1</sup>	Allowable work inertia kg·m <sup>2</sup>	Indexing accuracy sec	Repeatability sec	Mass of product kg	Allowable load		Allowable cutting torque N·m	Built-in rotary joint (Option)
					Horizontal kg	Vertical kg		
33.3	1.00	20	4	60	200	100	270	Pneumatic/Hydraulic 6 ports + 1port*
33.3	1.95	20	4	95	250	125	480	

\* 1 port is φ 12.5 multi purpose hole.

### Dimensions of MK200



### Specifications

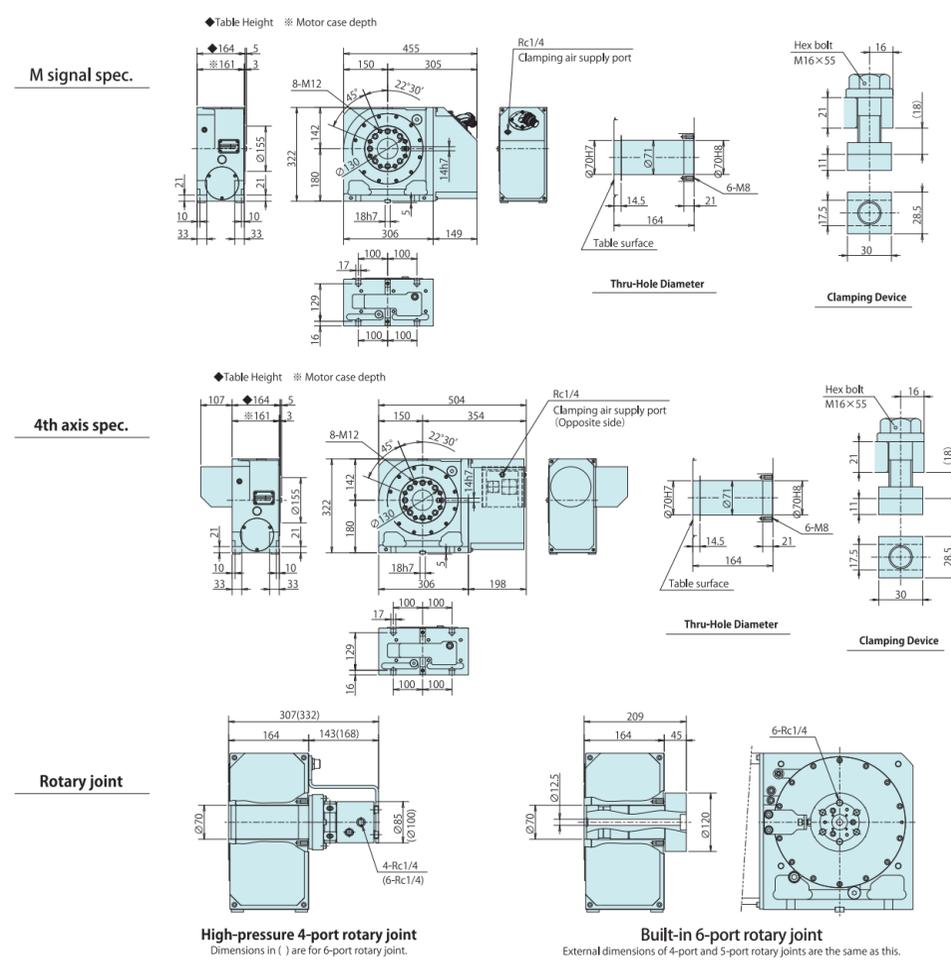
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33.3	1.95	20	4	95	250	125	480	

\* 1 port is φ 12.5 multi purpose hole.

### Dimensions of MK250



# The strong and compact NC rotary table MK series has become more powerful with the addition of a new size.

## Performance improved

### Powerful clamping torque

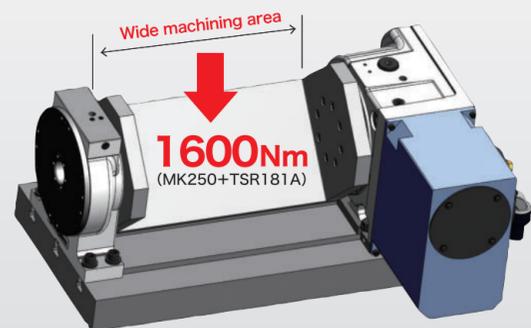
©Large capacity provides the highest specifications in it's class

#### Clamping torque

**570Nm**  
 (163% compared to our products in case of MK200)

**1000Nm**  
 (167% compared to our products in case of MK250)

Jig space and clamping torque are boosted by the set of the MK series and Kitagawa tail spindle.

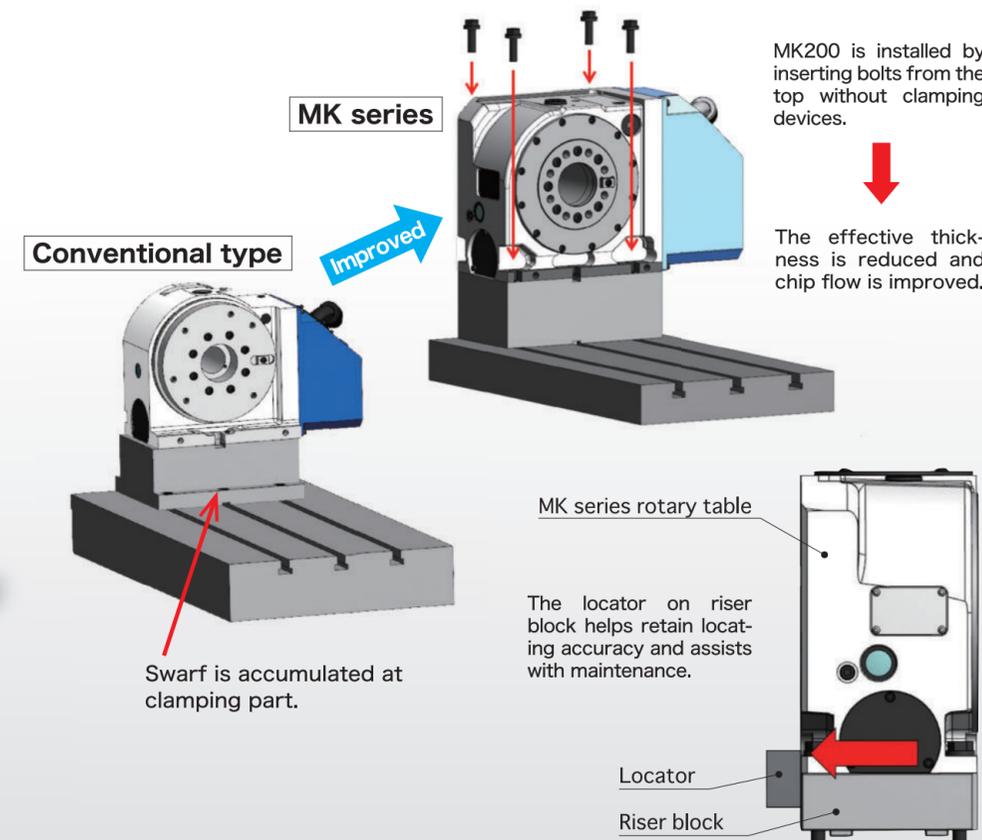


**MK200**



**MK250**

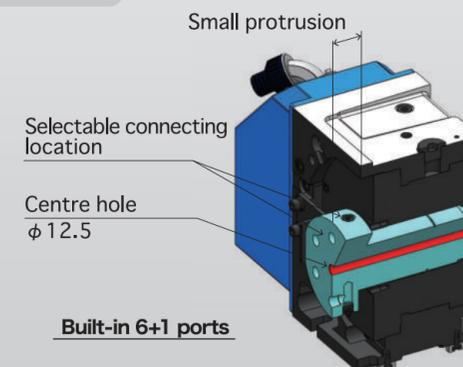
## Improved mounting



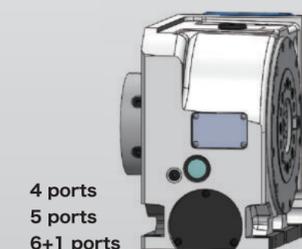
## Wide selection of rotary joints

© Compact built-in rotary joints can be selected from 4-, 5- and (6+1)-port types. The centre port of (6+1)-port type has a  $\phi 12.5$ mm multi-purpose hole for coolant, work seating detection sensor, etc.

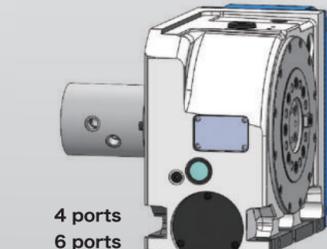
© 25MPa high-pressure rotary joints (4-port or 6-port) are also available for miniaturization of fixtures and fast actuation.



### Built-in rotary joint (7MPa)

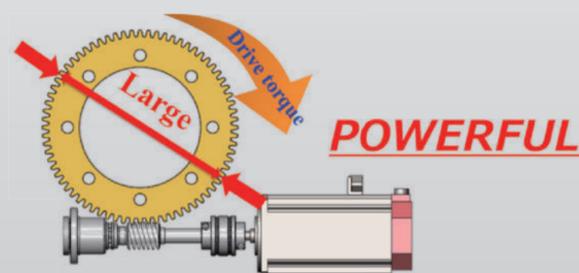


### High pressure rotary joint (25MPa)



## High cutting torque

©Large worm wheel design allows powerful lead cutting.



NC rotary table MK250 + tale spindle TSR181A  
 =Total clamping torque

**1000Nm + 600Nm = 1600Nm**

NC rotary table MK200 + tale spindle TSRC140  
 =Total clamping torque

**570Nm + 400Nm = 970Nm**