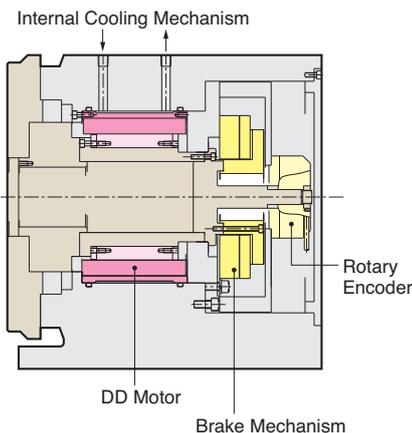


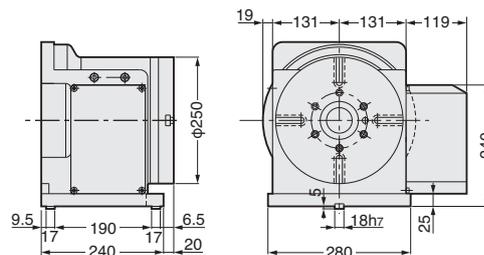
# CNC ROTARY TABLE with DD MOTOR **NEW**

**NIKKEN**

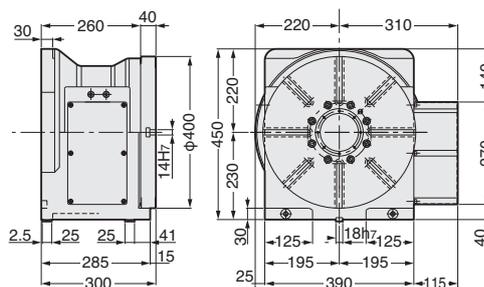


There is no mechanical reduction mechanism such as worm system in a rotary table with DD motor. DD (Direct Drive) motor is built in the the rotary table to drive directly. High rotation speed and high acceleration/deceleration can be done. But, the driving torque of the rotary table is weak due to no mechanical reduction mechanism. Therefore, the suitable application of the rotary table with DD motor must be selected.

## DD250F-150



## DD400F-250



## Configuration



DD250F-150

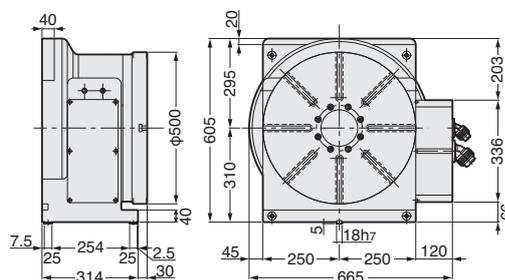
150min<sup>-1</sup>(DD250)

- Indexing of 90° : Within 0.2sec.
- High Response of Micro Spike Clamping System

Micro Spike



## DD500F-1000



DD400F-250

● Explanation of the Code No.(Example)

**DD 250 F - 150**

- Code No. of the DD Motor
- Motor Maker  
F: FANUC M: MELDAS Y: YASNAC  
Z: SIEMENS E: Etel
- Position of the Motor Cover  
No Letter: Right L: Left
- Diameter of Table  
250, 400, 500
- DD: rotary table with DD motor

## Specifications

The external dimension and the specification will be varied according to the DD motor. Please contact us.

Item / Code No.	DD250F-150	DD400F-250	DD500F-1000
Diameter of Table φmm	250	400	500
Diameter of Spindle Hole φmm	75H7	100H7	120H7
Centre Height mm	170	230	310
Width of T Slot mm	12H7	14H7	14H7
Clamping System	Air (0.5MPa)		
Clamping Torqyue Nm	500	1000	2000
Motor (FANUC)	DiS150/300	DiS250/250	DiS1000/200
Encoder	αiCz Sensor 512A		αiCz Sensor 1024A
Min. Incremental deg.	0.001		
Rotation Speed min <sup>-1</sup>	150	125	100
indexing Accuracy sec.	±10		
Net Weight kg	105	245	470
MAX. Work Load kg	100	250	400
MAX. Torque Nm	380	600	1900
Constant Torque Nm	73/170*1	120/225*1	470/840*1
Necessary Cooling Capacity w	1600	1200	2500

★ The figures marked \*1 show the figures with cooling system. Please be careful that cooling by the special liquid may not be good for the chiller system. When cooling system is used, please check the cooling system, and stop the DD motor when the unusual condition is found.