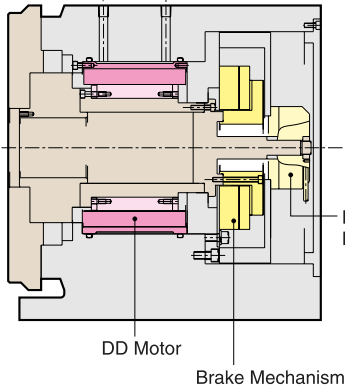


CNC ROTARY TABLE with DD MOTOR

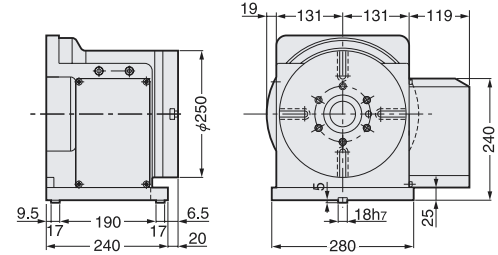
Internal Cooling Mechanism



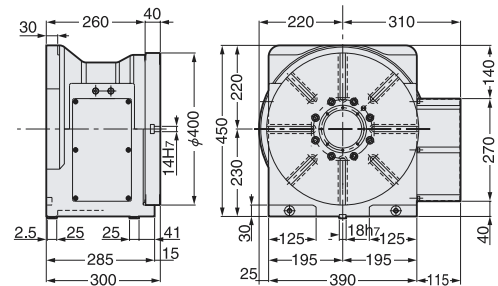
There is no mechanical reduction mechanism such as worm system in a rotary table with DD motor. DD (Direct Drive) motor is built in the the rotary table to drive directly.

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.

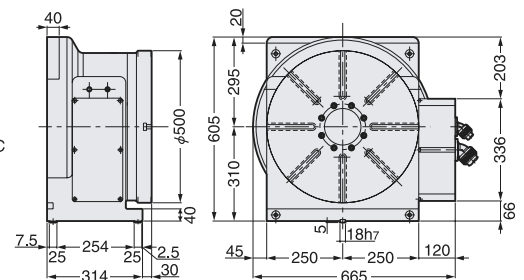
DD250F-150



DD400F-250



DD500F-1000



Configuration

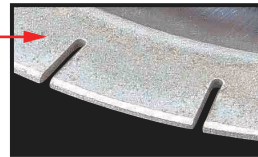


DD250F-150

150min⁻¹ (DD250)

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

Micro Spike



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 ϕ mm	250	400	500
Diameter of Spindle Hole ϕ mm	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	α iCz Sensor 512A	α iCz Sensor 1024A	
Min. Incremental deg.	0.001		
Rotation Speed min ⁻¹	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

★The figure marked *1 shows the figure with cooling system.

ROTARY TILTING TABLE with DD MOTOR

NIKKEN

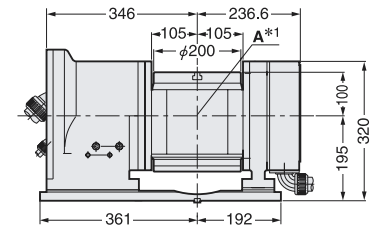
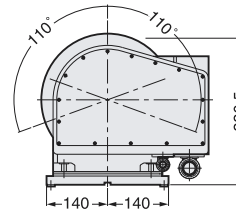
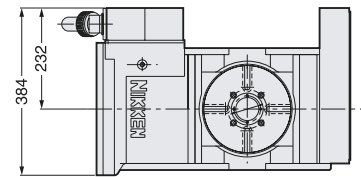
High Acc./Dec., High Speed, Compact Design

- Indexing of 90° on Rotary Axis : Within 0.2sec.
- Tilting Axis : Within 0.3sec.



5AX-DD200A

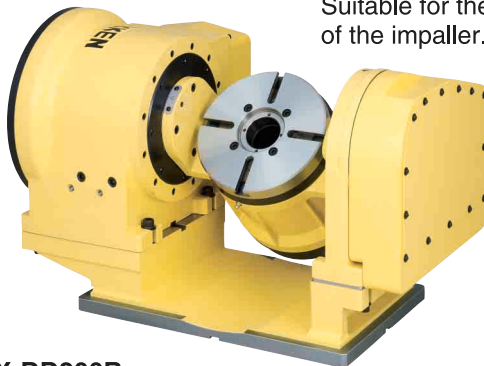
5AX-DD200A



★*1 The tilting axis center is located in the same position as the center of the rotary axis body for 5AX-200A.

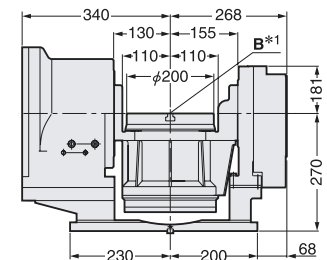
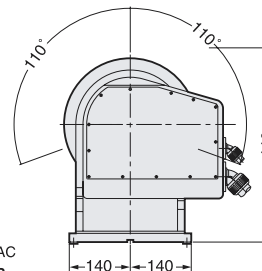
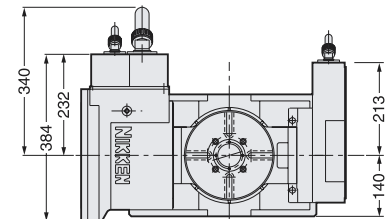


Suitable for the machining of the impeller.



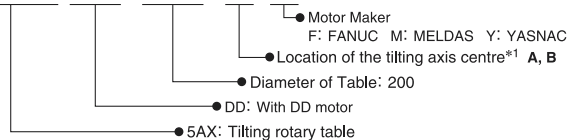
5AX-DD200B

5AX-DD200B



★*1 The tilting axis center is located in the same position as the top surface of the rotary axis for 5AX-200B.

- Explanation of the Code No. (Example)

5AX - DD 200 A F


Specifications

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

Item / Code No.		5AX-DD200AF		5AX-DD200BF	
Diameter of Table	φmm	250		250	
Diameter of Spindle Hole	φmm	53H7		53H7	
Centre Height (90°)	mm	195		270	
Table Height inHorizontal Position (0°)	mm	295		270	
Width of T Slot	mm	12H7		12H7	
Axis		Rotary	Tilting	Rotary	Tilting
Clamping System		Air (0.5MPa)	Air (0.5MPa)	Air (0.5MPa)	Air (0.5MPa)
Clamping Torqyue Nm	Nm	150	500	150	500
Motor (FANUC)		DiS60/400	DiS150/300	DiS60/400	DiS150/300
Encoder		αiCz 512A		αiCz 512A	
Min. Incremental	deg.	0.001		0.001	
Rotation Speed	min ⁻¹	200	150	200	150
indexing Accuracy	sec.	±10	±15	±10	±15
MAX. Torque	Nm	130	380	130	380
Constant Torque	Nm	24	73/170*1	24	73/170*1
Net Weight	kg	190		185	
MAX. Work Load	0~30deg. kg	30		30	
	0~90deg. kg	15		30	

★The figure marked *1 shows the figure with cooling system.