CNC205

Rotary joint shown in photo is optional.

IN port 105 / 98 φ200 95

OUT port 464 123 341 110 245 135 244 13 14 260 185

Face Plate Through Hole 20 φ30 φ31

＊Rotary joint is included in the layout with AR21 controller.

■ Specifications

Item / Code No.		Standard	High Speed
Right Hand Mounted Moter		**CNC205**	**CNCZ205**
Left Hand Mounted Moter		**CNC205L**	**CNCZ205L**
Diameter of Table　φmm		200	200
Diameter of Spindle Hole　φmm		Φ30H7	Φ30H7
Center Height　mm		135	135
Width of T Slot　mm		—	—
Clamping System		Air Hydraulic Booster Built-in type	Air Hydraulic Booster Built-in type
Clamping Torque　N·m		380	380
Table Inertia at Motor Shaft $\left(\frac{GD^2}{4}\right)$ kg·m²×10⁻³		0.15	0.15
Servo Motor　r/min		α iF2・3000	α iF2・3000
MIN. Increment		0.001°	0.001°
Rotation Speed*4　r/min		33.3	66.6
Total Reduction Ratio		1/90	1/45
Indexing Accuracy　sec		±20	±20
Net Weight　kg		45	45
MAX. Work Load on the Table	Vertical　kg	100（with suppart）	100（with suppart）
	Horizontal　kg	—	—
MAX. Thrust Load applicable on the Table	*1　F×L N·m	670	670
	F×L N·m	690	690
Guide Line of MAX. Unbalancing Load	*2　N·m	30	30
MAX. Work Inertia	Vertical $+\left(\frac{GD^2}{4}\right)$ kg·m²	0.40	0.20
Driving Torque	*3　N·m	72	54

*1 This is the strength of the worm wheel without brake. It is applied against dynamic cutting thrust.
*2 The guide line of MAX unbalancing load means the unbalancing load, when the rotary table is used with support table in vertical application. The guide line figure will be different according to the servo motor, please refer to ☞P.57 for more detail.
*3 Driving torque means the torque at MAX. rotation speed after acceleration. Driving torque is almost constant and independent from the load except unbalancing load is applied.
*4 The table rotation speed when the motor rotates at 3000r/min. Depending on the application(unbalance of the jig,work) and the motor specification, the motor may not be able to rotate at 3000r/min.

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