



HC

Non- lifting CNC Hydraulic coupling Gear Index Table

Motor driver with dual lead worm transmission
Built-in 3 pcs Hirth coupling,
each every 1 or 5 degrees indexing (72D or 360D)
Hydraulic clamping system, Hydraulic Pressure=35kg/cm²
It can be horizontal or vertical position.



Model		HC-200R(L)	HC-250R(L)	HC-320RV	HC-400RV	HC-500RV
Table Diameter	(mm)	ø200	ø250	ø320	ø400	ø500
Table Center Hole Diameter	(mm)	ø35 ^{H7}	ø55 ^{H7}	ø100 ^{H7}	ø120 ^{H7}	ø120 ^{H7}
Table Center Through Hole Diameter	(mm)	ø25	ø30	ø80	ø80	ø90
Horizontal Position Height	(mm)	200	200	240	265	300
Center Height of Vertical Position	(mm)	135	170	230	250	310
Table T-Slot Width	(mm)	12 ^{H7}	12 ^{H7}	14 ^{H7}	14 ^{H7}	18 ^{H7}
Standard guide block width	(mm)	18 ^{h7}	18 ^{h7}	18 ^{h7}	18 ^{h7}	18 ^{h7}
Hydraulic Pressure	(kg/cm ²)	35 by Hyd.	35 by Hyd.	35 by Hyd.	35 by Hyd.	35 by Hyd.
Table Division	(division)	72	72 360	72 360	72 360	72 360
Minimum input increment	(degree)	5	5 1	5 1	5 1	5 1
Total speed (Motor 2000rpm)	Rotation Speed (r.p.m.)	26.7	16.6	27.7	16.6	11.1
	Gear Ratio	1 / 75	1 / 120	1 / 72	1 / 120	1 / 180
Servo Motor (Optional)	FANUC	α iF4	α iF8	α iF12	α iF12	α iF12
	MITSUBISHI	HF-54T	HF-104T	HF-204S	HF-204S	HF-204S
	SIEMENS	1FK7060	1FK7063	1FK7083	1FK7083	1FK7083
Rotation torque	(kgf-m)	23	48	78	170	240
Indexing accuracy (accumulative)	(sec)	± 4"	± 4"	± 4"	± 4"	± 4"
Repetitive accuracy	(sec)	± 1"	± 1"	± 1"	± 1"	± 1"
Clamping Torque	F  (kgf)	1000	1500	2000	2500	3000
	F x L  (kgf-m)	250	300	400	500	600
	F x L  (kgf-m)	250	350	450	550	650
Load Capacity	0°  (kg)	250	300	350	500	600
	90°  (kg)	70	125	175	250	300
Weight	Net (kg)	76	110	220	300	450

* We reserve the right to make changes arising from constant product development without advance notice.

* The list of fitting servomotor, please refer to page 43.

◎ Standard accessories

Block nuts	Hangers
◎	◎

* Optional accessories

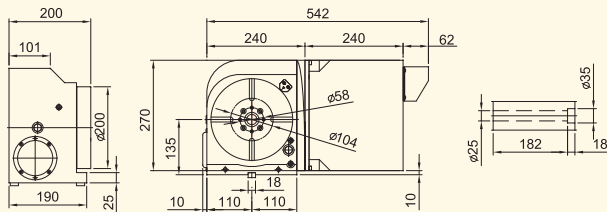
DNS controller	Tailstock		3-jaw chuck with sub plate	Hydraulic unit
	Taper	Support		
* (p.42)	* (p.38)	* (p.40)	* (p.46)	* (p.46)

Guaranteed inspection accuracy

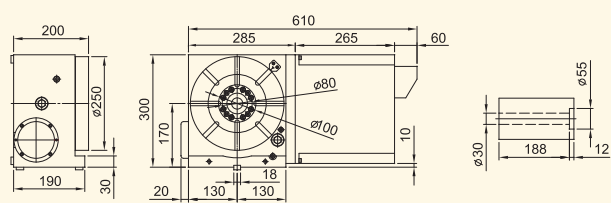
1	2	3	4	5	6	7

NO	Inspection items	HC-200	HC-250	HC-320	HC-400	HC-500
1	Concentricity of center hole	0.01	0.01	0.01	0.01	0.01
2	Perpendicularity of table with guide block	Per total table length	0.02	0.02	0.02	0.02
3	Height difference of both center lines of Rotary table and tailstock	Per 300 mm	0.02	0.02	0.02	0.02
4	Perpendicularity of table top to frame bottom	Per total table length	0.02	0.02	0.02	0.02
5	Table top flatness	Per total table length	0.015	0.015	0.015	0.015
6	Parallelism of table top to frame bottom		0.01	0.01	0.01	0.015
7	Parallelism between table surface and frame bottom	Per total table length	0.02	0.02	0.02	0.02

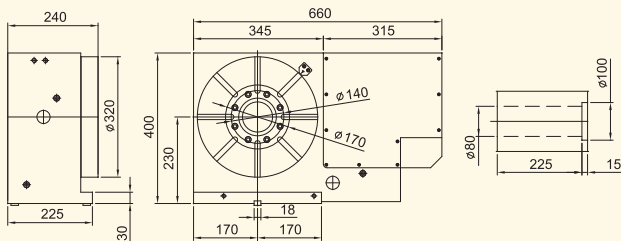
HC-200R



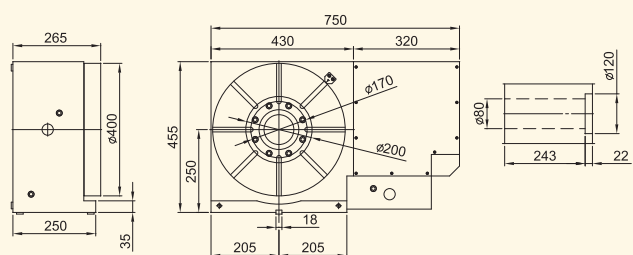
HC-250R



HC-320RV



HC-400RV



HC-500RV

