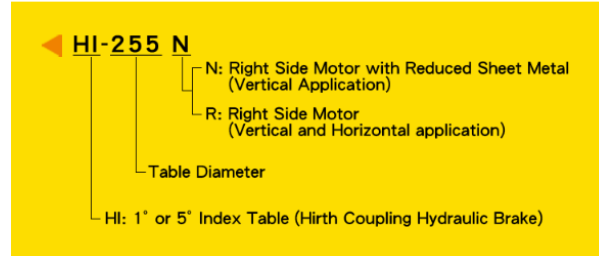
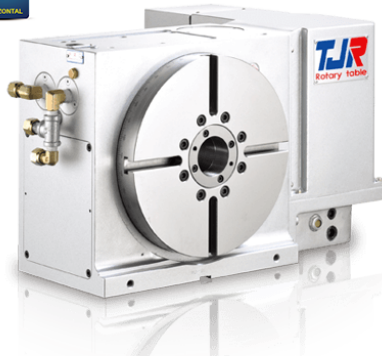


HI Series (Hirth coupling hydraulic brake)

HI-255/320/400/500



Item/Model		Unit	HI-255	HI-320	HI-400	HI-500
Table Diameter		mm	Ø255	Ø320	Ø400	Ø500
Diameter of Table Central Hole		mm	Ø50H7	Ø80H7	Ø80H7	Ø120H7
Diameter of Center Through Hole		mm	Ø50	Ø80	Ø80	Ø120
Center Height (Vertical)		mm	160	210	255	310
Table Height (Horizontal)		mm	205	250	255	290
Table T-slot Width		mm	12H7	14H7	14H7	18H7
Guide Block Width		mm	18h7	18h7	18h7	18h7
Min. Increment		deg.	1° or 5°	1° or 5°	1° or 5°	1° or 5°
Indexing Precision		sec.	±5	±5	±5	±5
Repeatability		sec.	±1	±1	±1	±1
Clamping System (Hydraulic)		kg/cm.	35	35	35	35
Clamping Torque		kg-m	300	400	500	1000
Servo Motor Model	FANUC	-	β8is (Taper shaft)	β22is (Straight shaft)	β22is (Straight shaft)	β22is (Straight shaft)
	MITSUBISHI	Taper shaft	HF-104 / 154	HF-204	HF-204	HF-204
Speed Reduction Ratio		-	1 : 120	1 : 120	1 : 120	1 : 180
Max. Rotation Rate of Table (Calculate with Fanuc α Motor)		r.p.m	33,3	25	25	16,6
Allowable Inertia Load Capacity (Horizontal)		kg.cm.sec.	24,8	44,8	100	187,5
Allowable Workpiece Load	Vertical	kg	125	175	250	400
	with Tailstock	kg	300	400	500	600
	Horizontal	kg	300	350	500	600
Allowable Load (with Rotary Table Clamping)	F	kgf	1600	2000	3000	4000
	FxL	kgf.m	175	250	300	600
	FxL	kgf.m	300	400	500	1000
Net Weight (servo motor excluded)		kg	120	210	320	410



▶ **HI Series :**
Use **three-piece** clutch plate

Function:

- ① **Accuracy: ± 5 seconds**
(Angle encoder accuracy)
- ② **Rotate without lifting the table** to prevent table from water and particles.



▶ **Hydraulic Brake Rotary Tailstock (with Delay Valve)**

When HI series is chosen, the corresponding rotary tailstock should have a delay valve.

▲ **RTH-255**