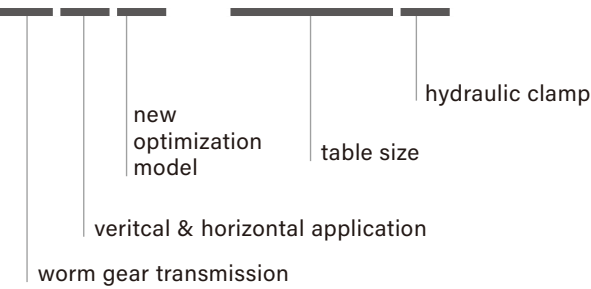


CNC Rotary Table

Ultra Big Spindle Bore, High Power Clamp

G X A - 5 0 0 H



- Worktable diameter Ø500, Ø630, Ø800.
- Equipped with extra large bearings, preloaded in radial and axial directions.(P.18)
- Motor is mounted at right side(vertical and horizontal application).
- Full gear depth transmitted by dual lead worm drive, resulting in higher efficiency and lower backlash.(P.20)



Consolidated spindle with radial-Axial bearing built-in.

SPECIFICATIONS

MODEL	Unit	GXA-500HII GXA-500HIIL	GXA-630H GXA-630HL	GX-800H
Worktable diameter	mm / inch	Ø500 / Ø19.68	Ø630 / Ø24.80	Ø800 / Ø31.50
Center bore diameter	mm / inch	Ø260H7 / Ø10.23H7	Ø305H7 / Ø12H7	Ø285H7 / Ø11.22H7
Through-bore diameter	mm / inch	Ø220 / Ø8.66	Ø265 / Ø10.43	Ø240 / Ø9.45
Height of table (horizontal)	mm / inch	280 / 11.02	315 / 12.40	365 / 14.37
Height of center (vertical)	mm / inch	310 / 12.20	400 / 15.74	480 / 18.90
Width of T-slot	mm / inch	18H7 / 0.71H7	18H7 / 0.71H7	22H7 / 0.87H7
Width of guide block	mm / inch	18 / 0.71	18 / 0.71	18 / 0.71
Clamping method / pressure	MPa / psi	Hydraulic 5 / 725	Hydraulic 5 / 725	Hydraulic 3.5 / 507.5
Clamping torque	N.m / ft. lbs.	3600 / 2655	5000 / 3687.81	5200 / 3835.32
Servo motor spec		refer to page 77		
Transmission ratio		1 / 180	1 / 180	1 / 180
Max. table speed / at specified servo motor speed	min ⁻¹	11.1 / 1998	11.1 / 1998	11.1 / 2000
Allowable loading inertia ($\frac{W.D^2}{8}$)	kg.m ²	25	40.5	122.4
Resolution	deg.	0.001	0.001	0.001
Indexing accuracy	sec.	15	15	15
Repeatability (ISO 230-2/JIS B6192)	sec.	6	6	6
Repeatability (JIS B6330)	sec.	4	4	4
Net weight (servo motor excluded)	kg / lb	404 / 891	660 / 1455	1236 / 2719.2
Allowable loading capacity	Vertical	kg / lb	400 / 881.8	800 / 1764
	Horizontal	kg / lb	800 / 1764	1500 / 3306
	Rotary Tailstock applied	kg / lb	800 / 1764	1500 / 3306
FxL When table clamped		N / lbs	40000 / 8992	50000 / 11240
		N.m / ft. lbs.	5000 / 3687.8	8300 / 6121.7
		N.m / ft. lbs.	3200 / 2360.1	5200 / 3832.4
Allowable cutting torque		N.m / ft. lbs.	2500 / 1843.9	4300 / 3171.5
			4300 / 3171.5	6860 / 5059.6

DIMENSIONAL DRAWINGS

Unit : mm

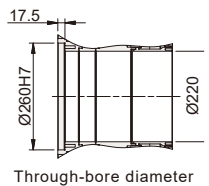
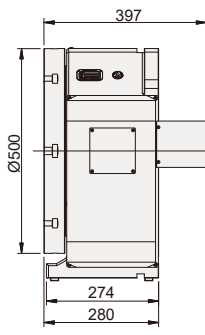
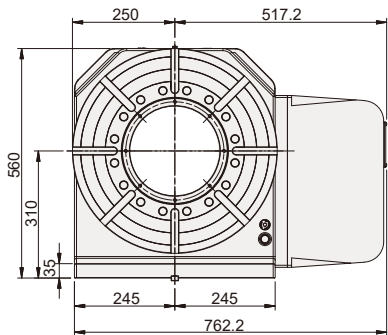
GXA-500HII/GXA-500HIIL



GXA-500HII



GXA-500HIIL



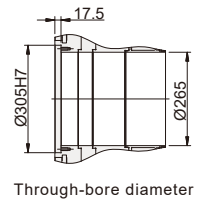
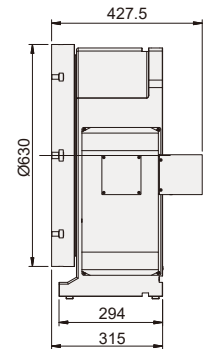
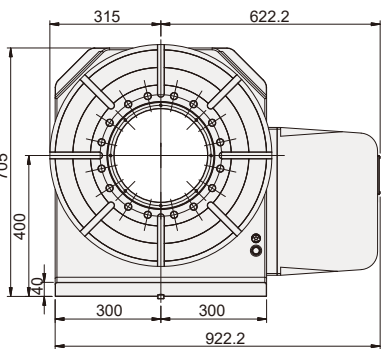
GXA-630H/GXA-630HL



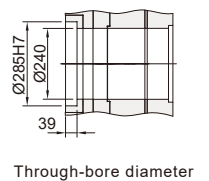
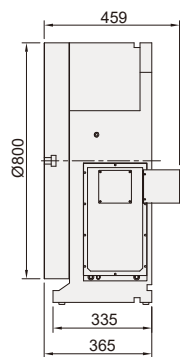
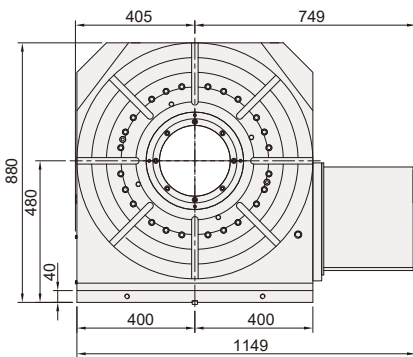
GXA-630H



GXA-630HL



GX-800H



Note: The length of servo guard may vary with servo motor type.
(metal sheet dimensions shown above are based on Fanuc motor)