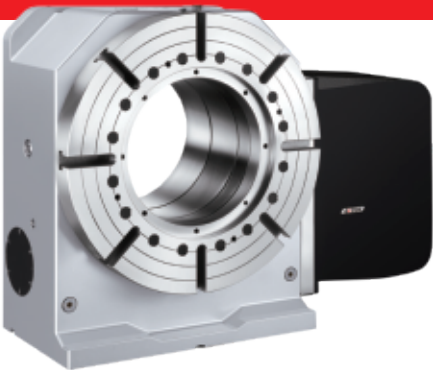
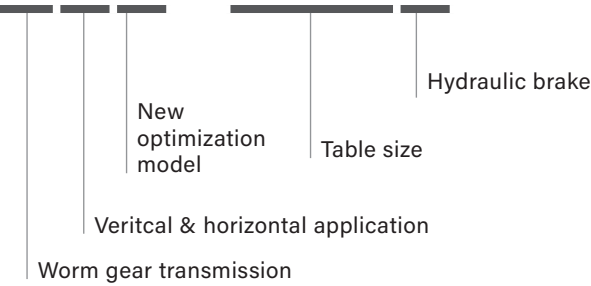


CNC Rotary Table

Ultra Big Spindle Bore, Hydraulic 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

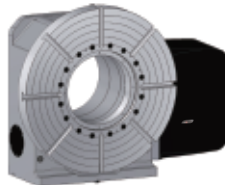
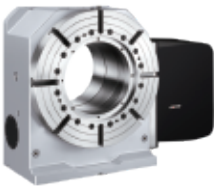
MODEL	Unit	GXA-500H GXA-630EH	GX-630H	GX-800H
Worktable diameter	mm / inch	Ø500 / Ø19.69 Ø630 / Ø24.80	Ø630 / Ø24.80	Ø800 / Ø31.50
Center bore diameter	mm / inch	Ø305H7 / Ø12H7	Ø270H7 / Ø10.63H7	Ø285H7 / Ø11.22H7
Through-bore diameter	mm / inch	Ø265 / Ø10.43	Ø220 / Ø8.66	Ø240 / Ø9.45
Height of table (horizontal)	mm / inch	280 / 11.02	325 / 12.80	365 / 14.37
Height of center (vertical)	mm / inch	350 / 13.78	400 / 15.75	480 / 18.90
Width of T-slot	mm / inch	18H7 / 0.71H7	18H7 / 0.71H7	22H7 / 0.47H7
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.	5700 / 4204.11 4500 / 3319	4500 / 3319.03	5200 / 3835.32
Servo motor spec		refer to page 73		
Transmission ratio		1 / 180	1 / 180	1 / 180
Max. table speed / at specified servo motor speed	min ⁻¹	11.1 / 2000	11.1 / 2000	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	sec.	6	6	6
Net weight (servo motor excluded)	kg / lb	396 / 871.2 455 / 1001	720 / 1584.0	1236 / 2719.2
Allowable loading capacity	Vertical	kg / lb	450 / 990	800 / 1760
	Horizontal	kg / lb	800 / 1760	1500 / 3300
	Rotary Tailstock applied	kg / lb	800 / 1760	1500 / 3300
FxL When table clamped		N / lbs	45000 / 10098	49000 / 10780
		N.m / ft. lbs.	8300 / 6121.7	8500 / 6264.50
		N.m / ft. lbs.	5700 / 4204.11 4500 / 3319	5200 / 3832.4
Allowable cutting torque		N.m / ft. lbs.	2500 / 1842.5	4300 / 3169.1

Note: 1. Allowable cutting torque at table speed of 1 min⁻¹.
2. FxL When table clamped is a reference data, the users should consider proper safety factor or contact detron for details.

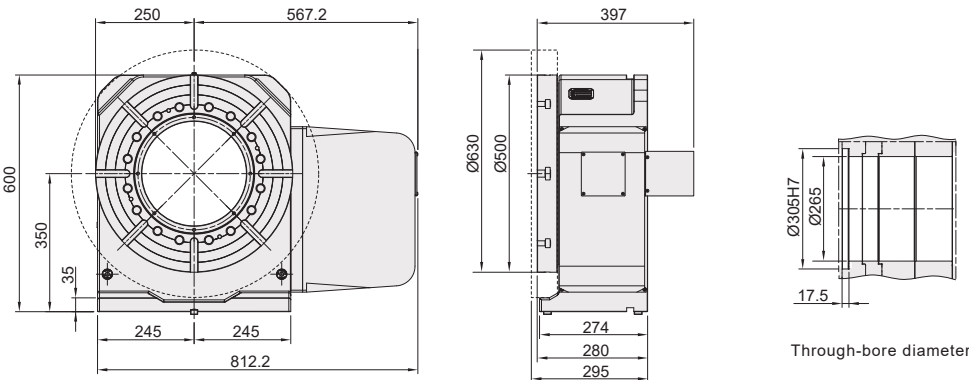
DIMENSIONAL DRAWINGS

Unit : mm

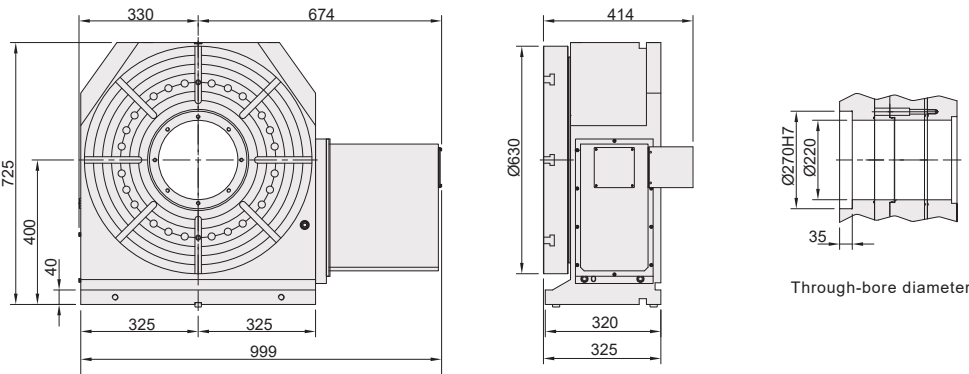
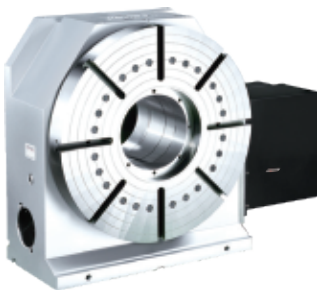
GXA-500H



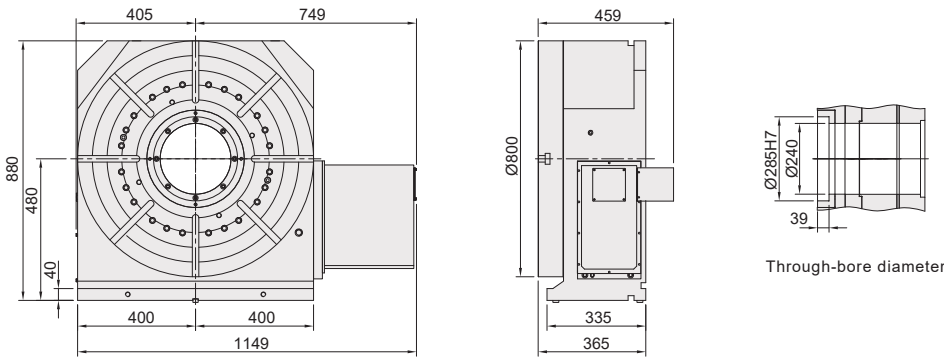
▲ GXA-630EH



GX-630H



GX-800H



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