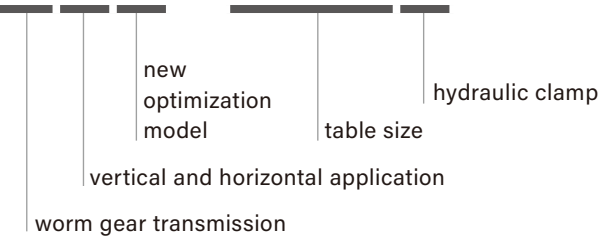


CNC Rotary Table

Ultra Big Spindle Bore, High Power Clamp

G X A - 2 5 5 H



- Worktable diameter Ø255, Ø320, Ø400.
- Big spindle bore allow the more complex parts clamping and fixture.
- Ultra high clamping force by drum brake system.(P19)
- Consolidated spindle with radial-Axial bearing built-in. (P18)
- Full gear depth transmitted by dual lead worm drive, resulting in higher efficiency and lower backlash.(P20)



Consolidated spindle with radial-Axial bearing built-in.

SPECIFICATIONS

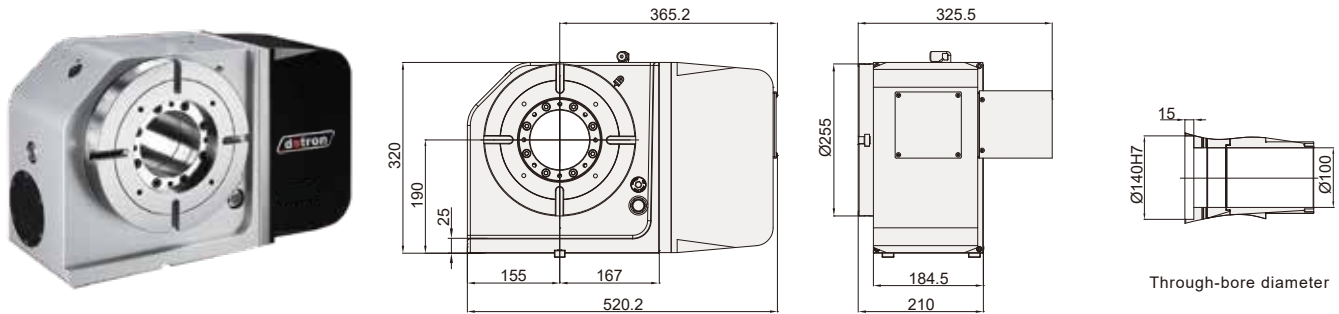
MODEL	Unit	GXA-255H	GXA-320H	GXA-400H
Worktable diameter	mm / inch	Ø255 / Ø 10.04	Ø320 / Ø 12.6	Ø400 / Ø 15.75
Center bore diameter	mm / inch	Ø140H7 / Ø 5.51H7	Ø180H7 / Ø 7.08H7	Ø220H7 / Ø 8.66H7
Through-bore diameter	mm / inch	Ø100 / Ø 3.94	Ø140 / Ø 5.51	Ø180 / Ø 7.09
Height of table (horizontal)	mm / inch	210 / 8.27	235 / 9.25	255 / 10.04
Height of center (vertical)	mm / inch	190 / 7.48	210 / 8.27	255 / 10.04
Width of T-slot	mm / inch	12H7 / 0.47H7	14H7 / 0.55H7	14H7 / 0.55H7
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 5 / 725
Clamping torque	N.m / ft. lbs.	900 / 663.3	1600 / 1179.2	3000 / 2211
Servo motor spec		refer to page 77		
Transmission ratio		1 / 120	1 / 120	1 / 144
Max. table speed / at specified servo motor speed	min ⁻¹	22.2 / 2664	22.2 / 2664	11.1 / 1600
Standard loading inertia*	$\frac{W.D^2}{8}$ kg.m ²	2.43	5.12	10.2
Maximum loading inertia*	$\frac{W.D^2}{8}$ kg.m ²	12	20	40
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	114 / 251	147 / 323.4	253 / 556.6
Allowable loading capacity	Vertical	kg / lb	150 / 330	250 / 550
	Horizontal	kg / lb	300 / 660	400 / 880
	Rotary Tailstock applied	kg / lb	300 / 660	400 / 880
FxL When table clamped		N / lbs	20000 / 4488	28000 / 6283.2
		N.m / ft. lbs.	1700 / 1252.9	3000 / 2211
		N.m / ft. lbs.	900 / 663.3	1600 / 1179.2
Allowable cutting torque		N.m / ft. lbs.	550 / 405.35	780 / 574.86
Allowable Max. rotary joint quantity		6	6	6

Note: 1. Allowable cutting torque at table speed of 1 min⁻¹.
2. Standard loading inertia * is allowed in max table speed. Contact detron for the necessary adjustment of speed and others when maximum loading inertia * is required.
3. FxL When table clamped is a reference data, the users should consider proper safety factor or contact detron for details.

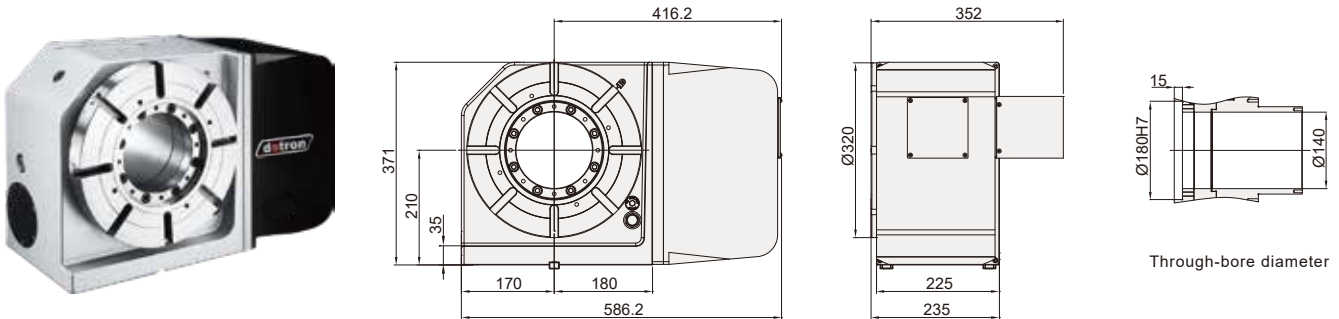
DIMENSIONAL DRAWINGS

Unit : mm

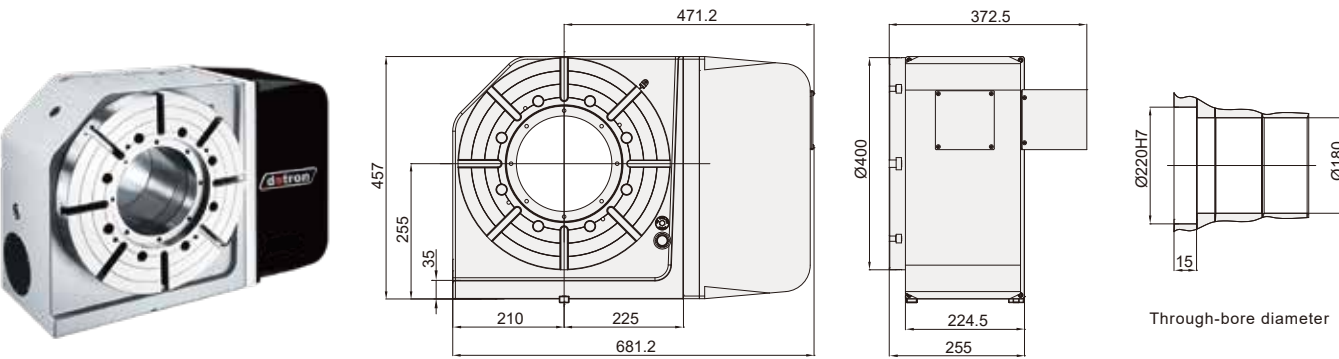
GXA-255H



GXA-320H



GXA-400H



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