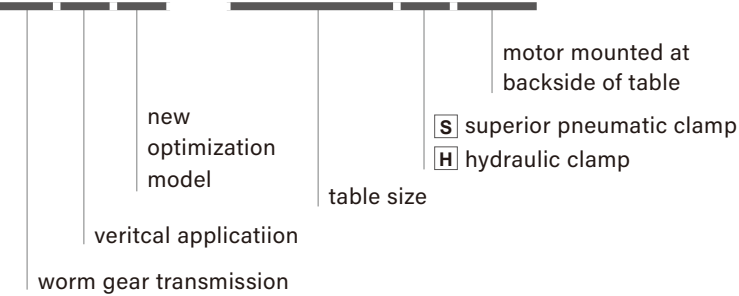


GVA-B series

CNC Rotary Table

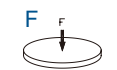
High Power Clamp, Motor at Back

GVA-210SB



Worktable diameter Ø170, Ø210, Ø255.
GVA-SB series is new "super multiple brake" mechanism for pneumatic clamp.(P.19)
Full gear depth transmitted by dual lead worm drive, resulting in higher efficiency and lower backlash.(P.20)

SPECIFICATIONS

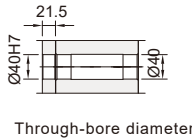
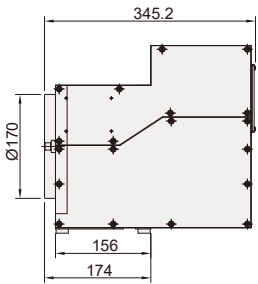
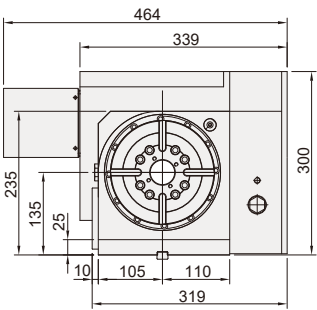
MODEL	Unit	GV-170SB	GVA-210SB	GVA-255HBII
Worktable diameter	mm / inch	Ø170 / Ø6.69	Ø210 / Ø 8.27	Ø255 / Ø10.04
Center bore diameter	mm / inch	Ø40H7 / Ø1.57H7	Ø65H7 / Ø2.6H7	Ø140H7 / Ø 5.51H7
Height of center (vertical)	mm / inch	135 / 5.31	160 / 6.30	190 / 7.48
Width of T-slot	mm / inch	12H7 / 0.47H7	12H7 / 0.47H7	12H7 / 0.47H7
Width of guide block	mm / inch	18 / 0.71	18 / 0.71	18 / 0.71
Clamping method / pressure	Mpa / psi	Super Multi- Pneumatic 0.55 ~ 0.7 / 79.8 ~ 101.5	Super Multi- Pneumatic 0.55 ~ 0.7 / 79.8 ~ 101.5	Hydraulic 5 / 725
Clamping torque	N.m / ft. lbs.	250 / 184.25	400 / 294.8	900 / 663.3
Servo motor spec		refer to page 77		
Transmission ratio		1 / 90	1 / 90	1 / 120
Max. table speed / at specified servo motor speed	min ⁻¹	44.4 / 4000	44.4 / 4000	22.2 / 2664
Allowable loading inertia	$\frac{W.D^2}{8}$ kg.m ²	0.28	0.68	1.21
Resolution	deg.	0.001	0.001	0.001
Indexing accuracy	sec.	20	20	15
Repeatability	sec.	6	6	6
Net weight (servo motor excluded)	kg / lb	90 / 198	84 / 184.8	149 / 328
Allowable loading capacity	Vertical	kg / lb	75 / 165	125 / 275
	Rotary Tailstock applied	kg / lb	150 / 330	250 / 550
FxL When table clamped	 N / lbs	14000 / 3141.60	17000 / 3814.8	20000 / 4488
	 N.m / ft. lbs.	1020 / 751.74	1265 / 932.3	1700 / 1253.0
	 N.m / ft. lbs.	250 / 184.25	400 / 294.80	900 / 663.3
Allowable cutting torque	 N.m / ft. lbs.	170 / 125.29	260 / 191.62	550 / 405.35

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

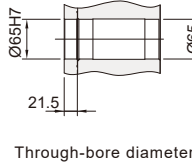
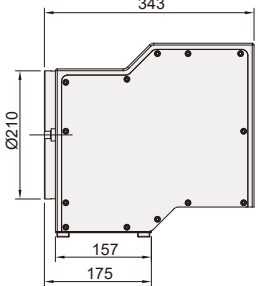
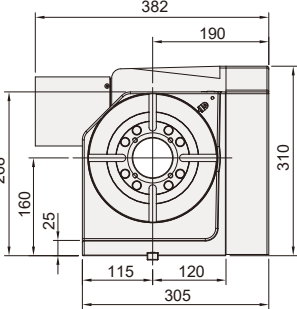
Unit : mm

GV-170SB



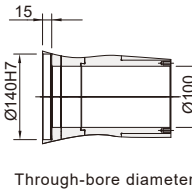
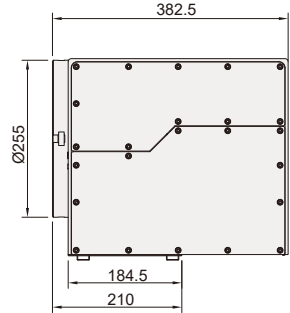
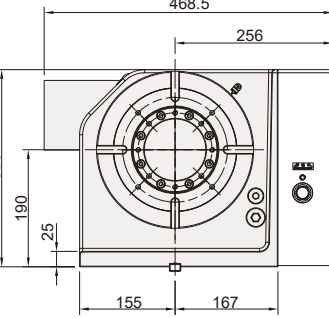
Equipped with upgraded high precision cross roller bearing.

GVA-210SB



Equipped with upgraded high precision cross roller bearing.

GVA-255HBII



Consolidated spindle with YRT bearing built-in.

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