

# • GF Series

Table Diameter

100-210 MM 3.9-8.2 inch



- GF-101S
- GF-125P
- GF-170P/H
- GF-211P/PB/H

Pneumatic / Hydraulic Brakes  
 Equipped with High precision cross roller bearings  
 Optional Encoders for higher precision

## Specifications

MODEL		Unit	GF-101S	GF-125P	GF-170P/H	GF-211P/PB/H
Worktable diameter	mm / inch		Ø100 / Ø3.94	Ø125 / Ø4.92	Ø170 / Ø6.69	Ø210 / Ø8.27
Center bore diameter	mm / inch		Ø30H7 / Ø1.18H7	Ø30H7 / Ø1.18H7	Ø40H7 / Ø1.57H7	Ø40H7 / Ø1.57H7
Height of table (horizontal)	mm / inch		205 / 8.07	230 / 9.06	260 / 10.24	305 / 12.01
Height of center (vertical)	mm / inch		135 / 5.31	160 / 6.30	190 / 7.48	225 / 8.86
Width of T-slot	mm / inch		12H7 / 0.47H7	12H7 / 0.47H7	12H7 / 0.47H7	12H7 / 0.47H7
Width of guide block	mm / inch		18 / 0.71	18 / 0.71	18 / 0.71	18 / 0.71
Clamping method /pressure	Mpa / psi		S: 0.55~0.7 / 79.8~101.5	P: 0.55~0.7 / 79.8~101.5	P: 0.55~0.7 / 79.8~101.5 H: 2.5 / 362.5	P: 0.55~0.7 / 79.8~101.5 H: 2.5 / 362.5
Servo motor spec						
Transmission ratio			R T	R T	R T	R T
			1:75 1:120	1:90 1:90	1:90 1:90	1:90 1:120
Max. table speed	min <sup>-1</sup>		33.3 16.6	44.4 44.4	33.3 22.2	33.3 22.2
Allowable loading capacity	In Horizontal	kg / lb	35 / 77	50 / 110	75 / 165	75 / 165
	In Tilt (0~90°)	kg / lb	20 / 44	35 / 77	50 / 110	50 / 110
Allowable unblancing work moment	WxL	Nm / ft. lbs.	24 / 17.69	24 / 17.69	35 / 25.80	53 / 39.06
Allowable load (when table clamped)	F	N / lbs	4000 / 897.60	4000 / 897.60	7000 / 1570.8	14000 / 3141.6
	FxL	Nm / ft. lbs.	200 / 147.4	85 / 62.65	P: 180 / 132.66 H: 300 / 221.0	P: 260 / 191.62 H: 300 / 221.0
	FxL	Nm / ft. lbs.	250 / 184.25	180 / 132.66	P: 260 / 191.62 H: 390 / 287.43	P: 300 / 221.0 H: 450 / 331.65
Allowable loading inertia ( $\frac{W \cdot D^2}{8}$ )	kg.m <sup>2</sup>		0.044	0.1	0.28	0.42
Resolution	deg.		0.001	0.001	0.001	0.001
Indexing accuracy	sec		40" 60"	40" 60"	20" 60"	20" 50"
Repeatability	sec		6" 8"	6" 8"	6" 8"	6" 8"
Tilting angle range	deg.		+17 ~ -107	+40~-120	+30~-120	+30~-120
Net weight (servo motor excluded)	kg / lb		90 / 198	100 / 220	170 / 374.0	300 / 660
Allowable cutting torque	Nm / ft. lbs.		85 / 62.65	85 / 62.65	170 / 125.29	250 / 184.25

Note: P: Pneumatic S: Super multiple pneumatic H: Hydraulic R: Rotary Axis T: Tilt Axis

