

G Series

G400 to G2200



The G400 - G2200 Positioners are a versatile series with capacities ranging from 40,000 to 220,000 lb. Design characteristics of these positioners include powered tilt from 90° forward to 45° backward; fixed height bases, and hollow spindles.

Larger models are designed as “bolt together construction,” which reduces shipping costs and allows for easier relocation of the machine.

Capacities from 40,000 to 220,000 lb



Features

- 45/90 powered tilt
- NEMA 12 Electricals
- Fixed Bases
- 90,000 psi aluminum-bronze low efficiency wormgear drive reduces back driving
- All steel welded gearboxes
- Low voltage hand control pendants
- 50:1 Variable speed drives
- AC brake motors



Standard hand pendant provided with all models



Optional foot switch controls available

Specifications

G400 - G2200

SPECIFICATIONS	G400	G500	G600	G700	G850	G1200	G2200
Tilt: Load torque lb-in (N.m)	830,000 (93777)	1,037,000 (118650)	1,260,000 (142380)	1,470,000 (166110)	1,800,000 (203400)	2,880,000 (325440)	5,400,000 (610200)
Rating lb (kg) @ 12 in (305mm) CG Height	40,000 (18144)	50,000(22680)	60,000 (27215)	70,000 (31751)	85,000 (38555)	120,000 (54431)	220,000 (99790)
Rating lb (kg) @ 18 in (457mm) CG Height	31,000 (14061)	38,700 (17554)	46,500 (21092)	54,500 (24721)	66,111 (30014)	96,000 (43545)	177,000 (80286)
Rating lb (kg) @ 24 in (609mm) CG Height	25,000 (11340)	31,600 (14333)	38,000 (17236)	44,500 (20185)	54,100 (24557)	80,000 (36287)	148,000 (67132)
Rating lb (kg) @ 30 in (762mm) CG Height	21,500 (9752)	26,700 (12111)	32,000 (14515)	37,500 (17010)	45,770 (20779)	68,600 (31116)	127,000 (57606)
Rating lb (kg) @ 36 in (914mm) CG Height	18,500 (8391)	23,100 (10478)	28,000 (12700)	32,500 (14742)	39,667 (18009)	60,000 (27215)	111,000 (50349)
Rating lb (kg) @ 42 in (1067mm) CG Height	16,400 (7439)	20,400 (9253)	24,500 (11113)	28,000 (12927)	35,000 (15890)	53,400 (24222)	100,000 (45359)
Rating lb (kg) @ 48 in (1219mm) CG Height	14,600 (6622)	18,200 (8255)	22,000 (9979)	25,500 (11567)	31,316 (14217)	48,000 (21772)	89,000 (40370)
Rating lb (kg) @ 54 in (1371mm) CG Height	13,200 (5987)	16,500 (7484)	20,000 (9079)	23,000 (10433)	28,333 (12863)	43,600 (19777)	81,000 (36741)
Rating lb (kg) @ 60 in (1524mm) CG Height	12,000 (5443)	15,000 (6804)	18,000 (8165)	21,000 (9525)	25,870 (11745)	40,000 (18144)	74,000 (33566)
Rating lb (kg) @ 66 in (1676mm) CG Height	11,000 (4989)	13,800 (6259.5)	16,500 (7484)	19,500 (8845)	23,800 (10805)	37,000 (16783)	69,000 (31298)
Rating lb (kg) @ 72 in (1829mm) CG Height	10,200 (4627)	12,800 (5805.9)	15,500 (7031)	18,000 (8165)	22,037 (10005)	34,200 (15513)	64,000 (29030)
Rotation: Load torque lb-in (N.m)	434,000 (49035)	600,000 (67800)	720,000 (81360)	840,000 (94920)	1,020,000 (115260)	1,440,000 (162720)	2,640,000 (298320)
Rating lb (kg) @ 12 in (305mm) Eccentric	40,000 (18000)	50,000 (22680)	60,000 (27215)	70,000 (31751)	85,000 (38555)	120,000 (54431)	220,000 (99790)
Tilt: 135° in how many seconds	64 sec	106 sec	48 sec	94 sec	104 sec	104 sec	150 sec
Tilt motor horse power	15 HP	10 HP	10 HP	10 HP	15 HP	20 HP	25 HP
Rotation: Speed range 50:1 AC Drive	1.0-.02 rpm	.41-.008 rpm	.40-.008 rpm	.53-.01 rpm	.40-.008 rpm	.40-.008 rpm	.35-.007 rpm
Pendant cable length (m)	20 ft (6)	20 ft (6)	20 ft (6)	20 ft (6)	20 ft (6)	20 ft (6)	20 ft (6)
C: Table size	84 x 84 in (2134 x 2134)	84 x 84 in (2134 x 2134)	96 x 96 in (2438 x 2438)	96 x 96 in (2438 x 2438)	96 x 96 in (2438 x 2438)	120 x 120 in (3048 x 3048)	120 x 120 in (3048 x 3048)
CW: Maximum clamping diameter	113 in (2870)	113 in (2870)	126 ½ in (3213)	126 in (3200)	126 in (3200)	160 in (4064)	157 in (3988)
CX: Number of slots and width Number of table nuts and thread	(Qty 4) 1 5/16 in (33.3) (Qty 4) 1 ¼ - 7	(Qty 4) 1 5/16 in (33.3) (Qty 4) 1 ¼ - 7	(Qty 8) 1 ½ in (41.3) (Qty 8) 1 ½ in - 12	(Qty 8) 1 ½ in (41.3) -	(Qty 8) 1 ½ in (41.3) -	(Qty 8) 1 ½ in (47.6) (Qty 8) 1 ¼ in - 5	(Qty 8) 2 ½ in (56) (Qty 8) 2 ½ in (56)
D: Table thickness	2 ¾ in (69.8)	2 ¾ in (69.8)	3 in (76.2)	3 in (76.2)	3 in (76.2)	5 in (127)	5 ½ in (130)
E: Pilot hole and depth	12.30 x 1 ¼ in (312.4 x 31.7)	12.30 x 1 ¼ in (312.4 x 31.7)	12.30 x 1 ¼ in (312.4 x 31.7)	12.30 in x 1 ¼ in (312.4 x 31.7)	12.255 in x 1 in (311.3 x 25.4)	18.200 in x 3 in (462.3 x 76.2)	18.25 in x 3 in (463.55 x 76.2)
DE: Inherent overhang	8 ¾ in (222.2)	8 ¾ in (222.2)	9 in (228.6)	9 in (228.6)	9 in (228.6)	12 in (304.8)	12 ½ in (317.5)
Spindle OD bearing bore (mm)	14 in (355.6)	14 in (355.6)	14 in (355.6)	14 in (355.6)	14 in (355.6)	14 in (355.6)	14 in (355.6)
Hollow spindle diameter (mm)	12 in (304.8)	12 in (304.8)	12 ½ in (304.8)	12 in (304.8)	12 in (304.8)	12 in (304.8)	18 in (457.2)
Weld current conduction	3,000 Amp	3,000 Amp	3,000 Amp	3,000 Amp	3,000 Amp	3,000 Amp	3,000 Amp
F: Table flat, Height (mm)	80 ¾ in (2051)	80 ¾ in (2051)	81 in (2057)	81 in (2057)	94 in (2387.6)	100 in (2540)	100 ½ in (2552.7)
G: Rotation axis, Height (mm)	72 in (1828.8)	72 in (1828.8)	72 in (1828.8)	72 in (1828.8)	85 in (2159)	88 in (2235.2)	88 in (2235.2)
H: Tie down hole size (mm)	(Qty 8) 2 ½ in (54)	(Qty 8) 2 ½ in (54)	(Qty 8) 2 ½ in (54)	(Qty 8) 2 ½ in (54)	(Qty 8) 2 ½ in (54)	(Qty 8) 2 ½ in (54)	(Qty 8) 2 ½ in (54)
H1: Mounting plate thickness (mm)	1 in (25.4)	1 in (25.4)	1 in (25.4)	1 in (25.4)	1 in (25.4)	1 in (25.4)	1 ½ in (38.1)
H2: Mounting plate front (mm)	16 in (406.4)	16 in (406.4)	12 in (304.8)	12 in (304.8)	12 in (304.8)	16 in (406.4)	12 in (304.8)
H3: Mounting plate rear (mm)	16 in (406.4)	16 in (406.4)	12 in (304.8)	12 in (304.8)	12 in (304.8)	23 in (584.2)	12 in (304.8)
H4: Mounting hole dimension (mm)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)
H5: Mounting hole dimension (mm)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)
H6: Mounting hole dimension (mm)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)	3 in (76.2)
H7: Mounting hole dimension (mm)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)	6 in (152.4)
H8: Mounting hole dimension (mm)	108 ½ in (2743.2)	108 ½ in (2743.2)	111 ¾ in (2838.4)	111 ¾ in (2838.4)	140 ½ in (3568.7)	146 in (3708)	166 ½ in (4229.1)
I: BASE, width overall (mm)	114 ¾ in (2895.6)	114 ¾ in (2895.6)	117 ¾ in (2990.8)	117 ¾ in (2990.8)	146 ½ in (3721.1)	152 in (3860.8)	172 ½ in (4381.5)
J: BASE, length overall (mm)	72 in (1828.8)	72 in (1828.8)	72 in (1828.8)	72 in (1828.8)	92 in (2336.8)	96 in (2438.4)	96 in (2438.4)
K: Table face overhang (mm)	3 ¾ in (95.25)	3 ¾ in (95.25)	4 in (101.6)	4 in (101.6)	4 in (101.6)	6 ¼ in (158.8)	6 in (152.4)
L: Length overall (mm)	75 ¾ in (1924)	75 ¾ in (1924)	76 in (1930.4)	76 in (1930.4)	96 in (2438.4)	102 in (2590.8)	102 in (2590.8)
Standard primary voltage	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
Shipping weight (kg)	15,500 lbs (7031)	15,700 lbs (7121)	17,000 lbs (7711)	17,200 lbs (7711)	24,000 lbs (10886)	30,000 lbs (13608)	38,000 lbs (17237)

All dimensions are for reference only and subject to change without notice.

