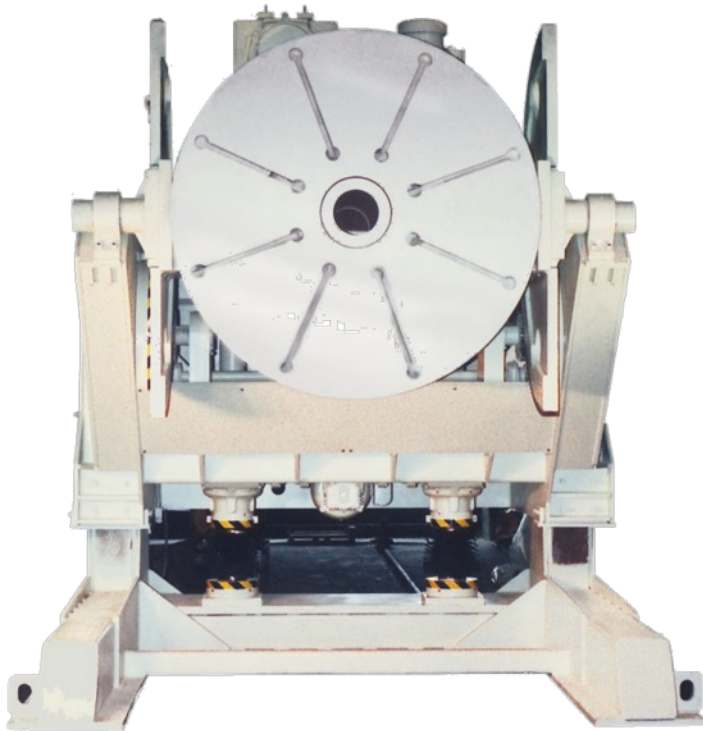


# PE Series

## 25P/E thru 250P/E



The 25/PE - 250/PE series Positioners provide all of the same benefits of the GE models but at a more affordable cost.

The Powered Elevation design makes maximum use of proven commercially available components, both in the elevation and guidance systems.

Elevation is made possible by means of commercial ball screw jacks for high duty cycle operation, driven by a worm/wormgear arrangement. Elevation uses two of these screw jacks for redundancy, coupled together and driven by a common motor. Belts, chains, and transfer gears are no longer utilized in the design.

Guidance is by means of wide, large diameter cam followers bearing on flat guide-ways. Cam follower contact with the guide-ways is adjustable for wear. Guidance is provided in the front, back, and at the sides of two columns that rigidly support the cantilevered load.

**Capacities from 2,500 to 25,000 pounds**

## Features

- 135° powered forward tilt
- NEMA 12 Electricals
- Powered Screw Jack Elevation
- High capacity mechanical grounding shoes
- Spur gear final drive on tilt and rotation axis
- 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

## 25P/E- 250P/E

SPECIFICATIONS	25 P/E (6x6)	40 P/E (6x6)	60 P/E	100 P/E	200 P/E	250 P/E
Tilt: Load Torque in-lb (N.m)	30,000 (3390)	52,000 (5876)	126,000 (13899)	215,000 (23166)	420,000 (47460)	525,000 (59325)
Rating Lbs.(kg) @ 6" (152mm) CG Height	2,500 (1134)	4,000 (1814)	-	-	-	-
Rating Lbs.(kg) @ 12" (305mm) CG Height	1,700 (771)	2,737 (1242)	6,000 (2721)	9,500 (4309)	20,000 (9071)	25,000 (11340)
Rating Lbs.(kg) @ 18" (457mm) CG Height	1,285 (583)	2,080 (944)	4,650 (2109)	7,500 (3402)	15,555 (7055)	19,445 (8820)
Rating Lbs.(kg) @ 24" (609mm) CG Height	1,035 (469)	1,677 (761)	3,790 (1719)	6,200 (2812)	12,727 (5772)	15,910 (7216)
Rating Lbs.(kg) @ 30" (762mm) CG Height	875 (397)	1,405 (637)	3,200 (1451)	5,250 (2381)	10,769 (4884)	13,460 (6105)
Rating Lbs.(kg) @ 36" (914mm) CG Height	750 (340)	1,210 (549)	2,750 (1247)	4,600 (2086)	9,333 (4233)	11,600 (5261)
Rating Lbs.(kg) @ 42" (1067mm) CG Height	650 (295)	1,061 (481)	2,400 (1089)	4,050 (1837)	8,235 (3735)	10,300 (4672)
Rating Lbs.(kg) @ 48" (1219mm) CG Height	580 (263)	945 (428)	2,200 (998)	3,650 (1656)	7,368 (3342)	9,210 (4177)
Rating Lbs.(kg) @ 54" (1371mm) CG Height	520 (236)	852 (386)	1,900 (862)	3,300 (1497)	6,666 (3023)	8,300 (3764)
Rating Lbs.(kg) @ 60" (1524mm) CG Height	470 (213)	776 (352)	1,700 (771)	3,000 (1361)	6,087 (2761)	7,600 (3447)
Rating Lbs.(kg) @ 66" (1676mm) CG Height	430 (195)	712 (323)	1,600 (726)	2,700 (1225)	5,600 (2450)	7,000 (3175)
Rating Lbs.(kg) @ 72" (1829mm) CG Height	400 (181)	658 (298)	1,500 (680)	2,500 (1134)	5,185 (2351)	3,110 (1410)
Rotation: Load Torque in-lb (N.m)	15,000 (1695)	24,000 (2712)	72,000 (8136)	120,000 (13560)	240,000 (27120)	300,000 (33900)
Rating Lbs.(kg) @ 6" (152mm) Eccentric	2,500 (1134)	4,000 (1814)	-	10,000 (4535)	-	-
Rating Lbs.(kg) @ 12" (305mm) Eccentric	1,250 (567)	2,000 (907)	6,000 (2721)	9,500 (4309)	20,000 (9071)	25,000 (11340)
Tilt: Forward Tilt Degrees	135 Degrees	135 Degrees	135 Degrees	135 Degrees	135 Degrees	135 Degrees
Rotation: Speed Range 50:1 AC Drive	1.5 - .030 rpm	1.24 - .025 rpm	1.0 - .020 rpm	0.8—016 rpm	0.49—010 rpm	0.49—010 rpm
Pendant cable length:	20 ft.	20 ft.	20 ft.	20 ft.	20 ft.	20 ft.
C: Table Size	32" Dia. (812mm)	42" Dia. (1067mm)	60" Dia. (1524mm)	60" Dia. (1524mm)	60" Dia. (1524mm)	60" Dia. (1524mm)
CX: Number of slots and width	(4) 11/16" (17.5mm)	(4) 11/16" (17.5mm)	(4) 1-1/8" (28.5mm)	(4) 1-1/8" (28.5mm)	(4) 1-1/8" (28.5mm)	(4) 1-1/8" (28.5mm)
Number of Table nuts and Thread	(4) 5/8"-11	(4) 5/8"-11	(4) 1"-12	(4) 1"-12	(4) 1"-12	(4) 1"-12
D: Table Thickness	3/4" (19mm)	7/8" (22mm)	3/4" (19mm)	3/4" (19mm)	3/4" (19mm)	1" (25mm)
E: Pilot hole and depth	4.250" x 1/4" (108" x 6mm)	4.625" x 5/16"	6.250" x 1/2"	9.125" x 3/8"	10.250" x 1/2"	10.250" x 1/8"
DE: Inherent Overhang	6" (152.4mm)	7" (178mm)	10-1/2" (260mm)	10-5/8" (270mm)	9" (228.6mm)	9" (228.6mm)
Hollow Spindle Dia	2" (50.8mm)	2" (50.8mm)	6" (152.4mm)	6" (152.4mm)	7-1/2" (190.5mm)	7-1/2" (190.5mm)
Weld Current Conduction	1,500 Amps	1,500 Amps	2,000 Amps	2,000 Amps	2,000 Amps	2,000 Amps
F: Table flat, Minimum Height	38" (965mm)	42-1/2" (1080mm)	49-3/4" (1263mm)	69-1/4" (1759mm)	59" (1499mm)	62.5" (1588mm)
Lift Stroke	24" (609mm)	24" (609mm)	24" (609mm)	26" (660mm)	24" (610mm)	24" (610mm)
Table flat, Maximum Height	62" (1575mm)	66-1/2" (1689mm)	73-3/4" (1873mm)	95-1/4" (2419mm)	83" (2108mm)	86.5" (2197mm)
G: Rotation axis, Minimum Height	32" (813mm)	35-1/2" (902mm)	39-1/2" (1003mm)	58-5/8" (1489mm)	50" (1270mm)	50" (1270mm)
Rotation axis, Maximum Height	56" (1422mm)	59-1/2" (1511mm)	63-1/2" (1613mm)	84-5/8" (2150mm)	74" (1880mm)	74" (1880mm)
I: Tie down hole size	(6) 1-1/8" (28.5mm)	(4) 13/16" (20.6mm)	(4) 7/8" (22.2mm)	(4) 7/8" (22.2mm)	(4) 1-1/8" (28.5mm)	(4) 1-1/8" (28.5mm)
J: Front Mounting hole location	3-1/2" (89mm)	1-1/2" (38.1mm)	3-1/2" (89mm)	3-1/2" (89mm)	1-1/2" (38mm)	1-1/2" (38mm)
K: Rear mounting hole location	44" (1117mm)	65-1/2" (1663mm)	83-3/4" (2127mm)	83-3/4" (2127mm)	80-1/2" (2045mm)	80-1/2" (2045mm)
L: Rear bolt hole pattern pitch	9-3/4" - 19-1/2"	60-1/4" (1530mm)	55" (1397mm)	55" (1397mm)	66-1/2" (1689mm)	66-1/2" (1689mm)
M: Overall base length	50-7/8" (1292mm)	68-1/2" (1740mm)	88-1/4" (2242mm)	88-1/4" (2242mm)	83-1/2" (2121mm)	83-1/2" (2121mm)
N: Overall Base with	51-3/4" (1315mm)	63-3/4" (1620mm)	59" (1499mm)	59" (1499mm)	76-1/2" (1943mm)	76-1/2" (1943mm)
Standard Primary Voltage	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
Shipping Weight	2700 lbs. (1225kg)	4000 lbs. (1814kg)	6500 lbs. (2948kg)	10761 lbs. (4881kg)	16,700 lbs. (7575kg)	17,000 lbs. (7711kg)

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

