

WELDING POSITIONERS

Mechanized Automation



AD2403-1;
AD2403-2



AD2403-4;
AD2403-5;
AD2403-6



AD2403-7;
AD2403-8

Lincoln Electric® positioners can be combined with manipulators or robots to produce a work cell for high quality and efficiency. Positioners feature a heavy duty integrated tilt gear to ensure smooth turning and tilting.

Standard features include:

- AC brake motors
- Solid state controls with dynamic braking on the rotation drives
- Worm gear reducers
- Universal plugs for easy installation and change out of foot switches, hand pendants and tachometers
- High frequency protection

Load Capacity lb (kg) »

350 (159)
4500 (2041)

Input »



Product Number »

See back for complete specs

STANDARD SPECIFICATIONS

Product Name	Product Number	Load Capacity lb (kg)	Input Power Voltage/Phase/Hertz	Swing Radius in (mm)	Weight lb (kg)
Table Top Positioner	AD2403-1	350 (159) Vertical and Horizontal	115/1/60	10 (254)	115 (52)
Table Top Positioner – Slow Speed	AD2403-2			20-33 (508-838) @ 90° tilt	
Floor Positioner 1500 lb (680.3 kg)	AD2403-3	1500 (680) 4 in (102 mm) overhung from face to table, 4 in (102 mm) eccentricity	230/3/60	28-47 (711-1194) @ 90° tilt	1750 (794)
Floor Positioner 3000 lb (1361 kg)	AD2403-4	3000 (1361) 6 in (152 mm) overhung from face to table, 6 in (152 mm) eccentricity	460/3/60		
Floor Positioner 3000 lb (1361 kg)	AD2403-5		600/3/60		
Floor Positioner 3000 lb (1361 kg)	AD2403-6	4500 (2041) 12 in (305 mm) overhung from face to table, 12 in (305 mm) eccentricity	460/3/60	34.6-51.1 (879-1298) @ 90° tilt	3000 (1361)
Floor Positioner 4500 lb (2041 kg)	AD2403-7		600/3/60		
Floor Positioner 4500 lb (2041 kg)	AD2403-8				

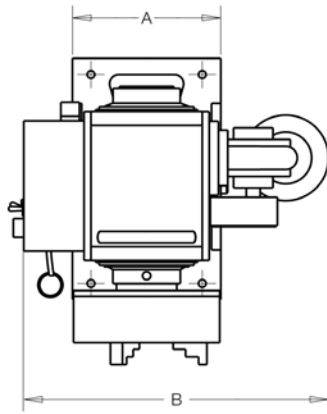
ROTATION SPECIFICATIONS

Product Name	Product Number	Rotational Motor Size (HP)	Rotation Speed rpm	Rotation Torque in-lb (Nm)
Table Top Positioner	AD2403-1	1/8 HP Gearmotor	0.65-13	175 (19.7)
Table Top Positioner – Slow Speed	AD2403-2	1/5 HP Gearmotor	0.22-4.4	
Floor Positioner 1500 lb (680.3 kg)	AD2403-3	1/2 HP DC Motor	0.08-1.6 Variable	6000 (6779)
Floor Positioner 3000 lb (1361 kg)	AD2403-4	1 HP Motor	0.046-1.4 Variable	18000 (2033.7)
Floor Positioner 3000 lb (1361 kg)	AD2403-5			
Floor Positioner 3000 lb (1361 kg)	AD2403-6			
Floor Positioner 4500 lb (2041 kg)	AD2403-7	1.5 HP Motor	0.03-0.97 Variable	54000 (6101.1)
Floor Positioner 4500 lb (2041 kg)	AD2403-8			

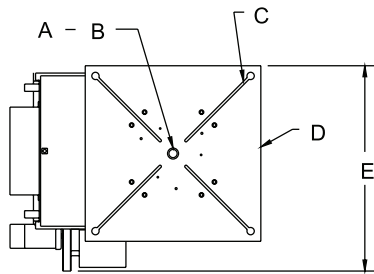
TILT SPECIFICATIONS

Product Name	Product Number	Tilt Motor Size	Tilt Speed Degrees in/seconds	Tilt Torque in-lb (Nm)	Tilt Range Degrees	Spindle Thru Hole in (mm)
Table Top Positioner	AD2403-1	N/A	N/A	N/A	0-90, pinned @ 15° increments	2.5 (64)
Table Top Positioner – Slow Speed	AD2403-2					
Floor Positioner 1500 lb (680.3 kg)	AD2403-3	1/2 HP AC Brakemotor	135/22	12000 (1355.8) inherent	0-135 Motorized	0.75 (19)
Floor Positioner 3000 lb (1361 kg)	AD2403-4	3/4 HP AC Brakemotor	135/36	35256 (3983.3) inherent		1.5 (38)
Floor Positioner 3000 lb (1361 kg)	AD2403-5					
Floor Positioner 3000 lb (1361 kg)	AD2403-6	1.5 HP AC Brakemotor	135/30	79872 (9024.3) inherent		2.25 (57)
Floor Positioner 4500 lb (2041 kg)	AD2403-7					
Floor Positioner 4500 lb (2041 kg)	AD2403-8					

Top Views

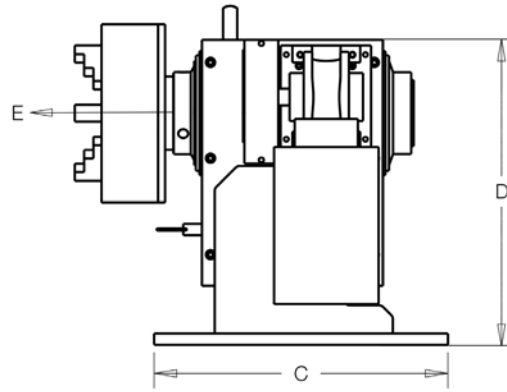


AD2403-1,
AD2403-2

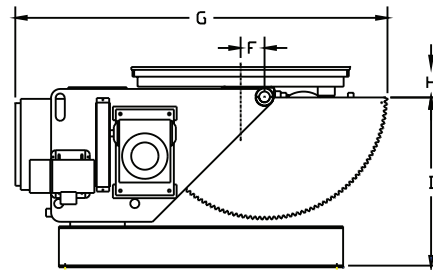


AD2403-3,
AD2403-4,
AD2403-5,
AD2403-6,
AD2403-7,
AD2403-8

Side Views



AD2403-1,
AD2403-2



AD2403-3,
AD2403-4,
AD2403-5,
AD2403-6,
AD2403-7,
AD2403-8

QUICKSET SPECIFICATIONS

Product Name	Product Number	A Chuck Diameter in (mm)	B Width in (mm)	C Length in (mm)	D Table Height (min) in (mm)	E Thru Hole in (mm)
Table Top Positioner	AD2403-1	8.25 [210]	16.4 [418]	13 [330]	15 [381]	2.5 [63.5]
Table Top Positioner – Slow Speed	AD2403-2	8 [203]				

Product Name	Product Number	A Pilot Hole Ø x ↓ in (mm)	B Thru Hole in (mm)	C "T" Slot Quantity	C ANSI Std "T" Nut Size in (mm)	D Table Size in (mm)	E Width in (mm)
Floor Positioner 1500 lb [680.3]	AD2403-3	2 x 1 [51 x 25]	3/4 [19]	4	1/2 [13]	24 [610] square table	30.25 [768]
Floor Positioner 3000 lb [1361]	AD2403-4	2.75 x 0.25 [70 x 6]	1/5 [38]		5/8 [16]	60 [762] square table	39.25 [997]
Floor Positioner 3000 lb [1361]	AD2403-5						
Floor Positioner 3000 lb [1361]	AD2403-6						
Floor Positioner 4500 lb [2041]	AD2403-7	3 x 0.25 [76 x 6]	2.25 [57]		48 [1219] square table	54.187 [1376]	
Floor Positioner 4500 lb [2041]	AD2403-8						
Product Name	Product Number	F Rotation Offset in (mm)	G Length in (mm)	H Inherent Overhang in (mm)	I Tilt Axis Height in (mm)	Table Height (min) in (mm)	Positions (max) in (mm)
Floor Positioner 1500 lb [680.3]	AD2403-3	3 [76]	45.75 [1162]	4 [102]	19.5 [495]	23.5 [597]	375 [946]
Floor Positioner 3000 lb [1361]	AD2403-4	4 [102]	58.25 [1479]	5.75 [146]	27.25 [692]	33 [838]	53 [1346]
Floor Positioner 3000 lb [1361]	AD2403-5						
Floor Positioner 3000 lb [1361]	AD2403-6						
Floor Positioner 4500 lb [2041]	AD2403-7	5 [127]	67.687 [1719]	33.25 [845]	39 [991]	57 [1448]	
Floor Positioner 4500 lb [2041]	AD2403-8						

ACCESSORIES

Product Name	Product Number	Table Top Positioner (AD2403-1)	Table Top Positioner – Slow Speed (AD2403-2)	Floor Positioner 1500 lb (680.3 kg) (AD2403-3)	Floor Positioner 3000 lb (1361 kg) (AD2403-4)	Floor Positioner 3000 lb (1361 kg) (AD2403-5)	Floor Positioner 3000 lb (1361 kg) (AD2403-6)	Floor Positioner 4500 lb (2041 kg) (AD2403-7)	Floor Positioner 4500 lb (2041 kg) (AD2403-8)
Jaw Chucks in (mm)									
Jaw Chuck 20 (508)	AD2405-1			.					
Jaw Chuck 31 (787.4)	AD2405-2				.	.	.		
Jaw Chuck 44 (1117.6)	AD2405-3				.	.	.		
Jaw Chuck 68 (1727.2)	AD2405-4				.	.	.		
Jaw Chuck 52 (1320.8)	AD2405-5							.	.
Optional Jaw Chuck	AD2405-6	.	.	.	.	.	.	.	.
Pipe Support Stands lb (kg)									
Pipe Support Stand 1500 (680)	AD2406-2			.					
Pipe Support Stand 3000 (1361)	AD2406-1				.	.	.	(qty 2)	(qty 2)
Additional Accessories									
Spring Loaded Copper Grounding Shoe 600 AMPS PT	AD2404-1	.	.	.	.	.	.	.	.
Footswitch Forward/Stop/Reverse	AD2404-2	.	.	.	.	.	.	.	.
Footswitch Variable Speed Control (Slow/Fast)	AD2404-3	.	.	.	.	.	.	.	.
Positioner Linear Weld Speed Controller	AD2404-4	.	.	.	.	.	.	.	.
Digital Tachometer	AD2404-5
Control Cable 25 ft (7.6 m)	AD2404-6

CUSTOMER ASSISTANCE POLICY

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Cleveland, Ohio · 44117-2552
Phone: +1.888.935.3878

CANADA

939 Gana Court
Mississauga, Ontario · L5S 1N9
Phone: +1.905.565.5600

MEXICO

Calzada Azcapotzalco-La Villa 869
Industrial Vallejo, Mexico DF · CP 02330
Phone: +52.55.5063.0330

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