

WELDING MANIPULATORS

MECHANIZED AUTOMATION



Lincoln Electric® manipulator systems are designed for various combinations of weld processes. With the ability to handle heavy loads, the manipulators provide smooth, consistent movement on all axes. Manipulators can be mounted to the floor with a free stand base or mounted to a travel car. Remote pendant controls several functions such as boom and hoist movement, variable speed control, slides and travel car. Weld controls can be integrated in one enclosure mounted to the boom or pedestal.

Input »

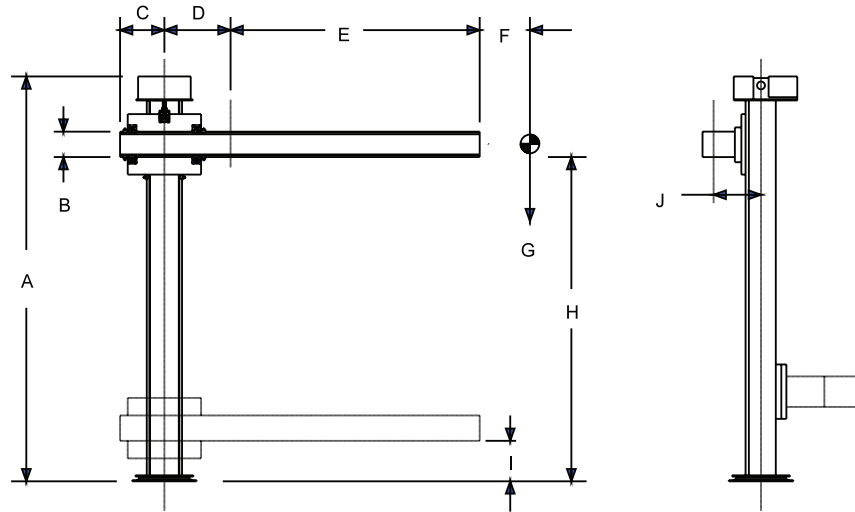


Product Number »

See back for complete specs

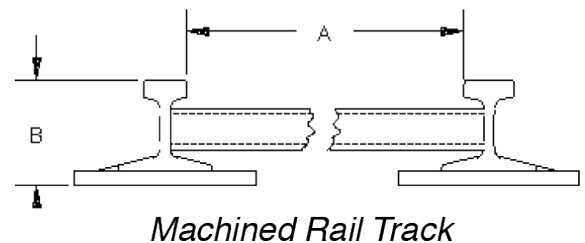
QUICKSET SPECIFICATIONS

Product Name	Product Number	A	B	C	D	E	F	G	H	I	J
		Height ft (mm)	Boom Track Blade in (mm)	Minimum Rear Clearance in (mm)	Boom Retract in (mm)	Boom Stroke in (mm)	C.G. Distance in (mm)	Maximum Load End/Total in (mm)	Maximum Boom Height ft (mm)	Minimum Boom Height in (mm)	Boom Centerline Offset in (mm)
Manipulator with Cable Track 8x8 (2.4x2.4)	AD2410-9	11' 10 3/4" (3625.8)	7 (177.8)	12 5/8 (320.7)	21 (533.4)	96 (2438.4)	18 (457.2)	300/500	9' 4" (2844.8)	20 5/8 (523.9)	7 7/16 (189)
Manipulator with Cable Track 11x11 (3.4x3.4)	AD2410-1	15' 3 5/8" (4664)	11 3/8 (289)	19 1/4 (488)	19 1/4 (488)	132 (3352.8)		500/1000	11' 9 7/8" (3603)	16 7/8 (429)	13 (330)



RAIL DIMENSIONS

Product Name	Product Number	A	B
		in (mm)	in (mm)
Machined Rail Track	AD2410-4	42 (1066.8)	3 (76.2)
Machined Rail Track	AD1340-42	56.5 (1435.1)	3.5 (88.9)



TRAVEL CAR SPECIFICATIONS

Product Name	Product Number	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
Manipulator with Cable Track 8x8 (2.4x2.4)	AD2410-9	77 (1955.8)	13 7/16 (341.3)	52 1/2 (1333.5)	4 9/16 (115.9)	87 (2209.8)	61 1/2 (1562.1)	18 1/4 (436.5)	10 1/2 (266.7)	7 3/4 (196.8)	1/2 (12.7)	8 1/4 (209.5)	43 9/16 (1106.5)	2 (50.8)	1 1/2 (38.1)
Manipulator with Cable Track 11x11 (3.4x3.4)	AD2410-1	78 (1981.2)	18 3/4 (476.2)	72 (1828.8)		96 3/4 (2457.5)	62 (1574.8)	8 (203.2)	26 3/4 (679.5)	12 3/4 (323.9)	1 (25.4)	13 3/4 (349.2)	56 3/8 (1431.9)	2 1/2 (63.5)	1 1/2 (38.1)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Vertical Boom Travel					Horizontal Boom Travel			Weight lb (kg)
			Bolt Down Base in (mm)	Minimum in (mm)	Maximum ft (mm)	Hoist Speed ipm	Hoist Motor (HP)	Stroke ft (m)	Speed ipm	Motor HP	
Manipulator with Cable Track 8x8 [2.4x2.4]	AD2410-9	230/460/3/50/60 (8/3A)	15x15 (381x381) with 4 - 13/16 (20.6) drilled holes on 13 (330) square	20 5/8 (523.8)	9' 4" (2844.8)	73	1/2 AC Brakemotor	8 (2.4)	3-110 variable speed	1/3 DC	1200 (544.3)
Manipulator with Cable Track 11x11 [3.4x3.4]	AD2410-1	230/460/3/60 (7.5A @ 230VAC)	24x24 (610x610) with 8 - 11/16 (17.4) drilled holes on 22 1/4 (565) bolt center	16 7/8 (428.6)	11' 9 7/8" (3603)	48	3/4 AC Brakemotor	11 (3.4)	3-116 variable speed	1/2 DC	5000 (2267.9)

ACCESSORIES

Product Name	Product Number	Manipulator with Cable Track 8x8 [2.4x2.4] – AD2410-9	Manipulator with Cable Track 11x11 [3.4x3.4] – AD2410-1
BASE			
Stand Alone Base 8x8	AD1340-72	•	
Stand Alone Base 11x11	AD1340-143		•
SUPPORT PLATFORM			
Manipulator Column Support Platform Standard	AD2410-14		•
Manipulator Column Support Platform Oversized Tandem Arc	AD2410-6		•
TRAVEL CAR			
Manipulator Travel Car I (11x11)	AD2410-3		•
Manipulator Travel Car II (8x8)	AD1340-40	•	
TRAVEL CAR TRACK			
Travel Car Track II (11x11)	AD2410-4		•
Travel Car Track II (8x8)	AD1340-42	•	
TRAVEL CAR ACCESSORIES			
Spring Loaded Copper Grounding Shoe 1000A	AD1340-37	•	•
Over Travel Limit Switch	AD1340-35	•	•
Digital Tachometer Speed Indicator	AD1340-51	•	•
Track Wiper Brushes	AD1340-36	•	•
ADDITIONAL ACCESSORIES			
Single Wire SAW Mounting Kit	AD2409-1	•	•
Tandem SAW Mounting Kit	AD2409-2		•
180° Head Swivel	AD2409-3	•	•

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