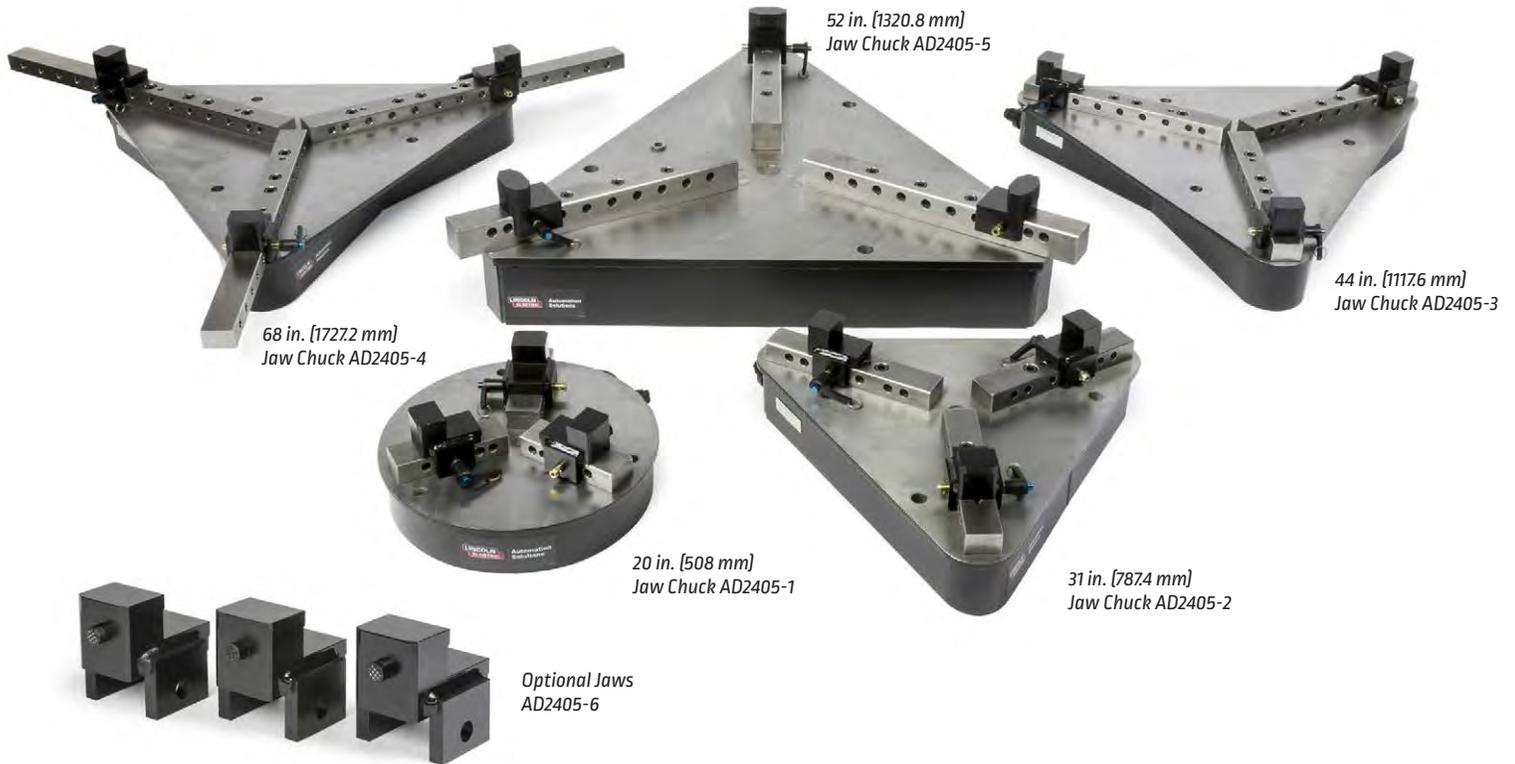


# JAW CHUCKS FOR POSITIONERS

## Mechanized Automation



Lincoln Electric® jaw chucks for welding positioners are designed and built to include single point cam operation and adjustable quick change reversible jaws that can be positioned for small and large diameter workpieces. A completely enclosed face prevents flux and weld spatter from impairing the operation of the gripper.

The self-centering mechanism makes changing parts quick and easy. The three standard jaws and three ball lock pins ensure quick location of the part.

### Clamp Range »

1 - 67.5 in (25 mm - 1715 mm)

### Weight Capacity »

1000 lb - 7500 lb (454 kg - 3402 kg)

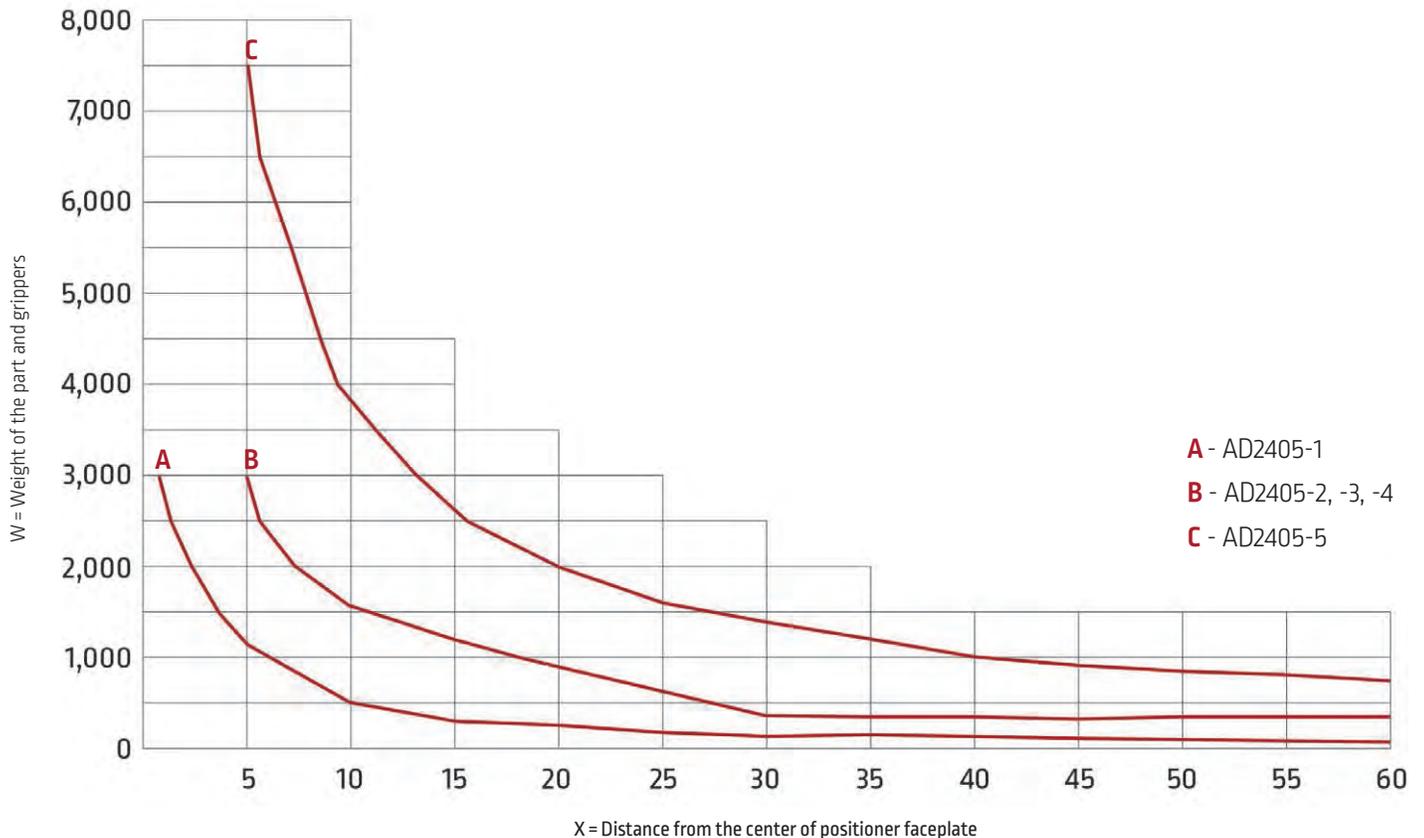
### Product Number »

See back for complete specs

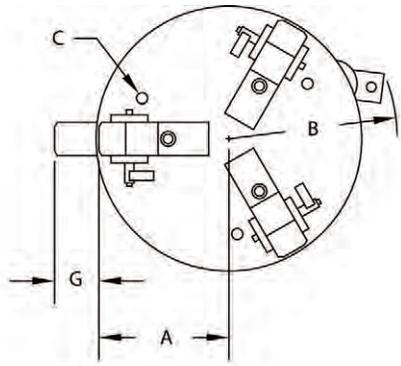
## STANDARD SPECIFICATIONS

Product Name	Product Number	Overall Clamp Range in (mm)	Clamping Range in (mm)		Clamp Range with Optional Jaw Chuck (AD2405-6) in (mm)	Chuck Jaws	Chuck Adjustment	Chuck Adjustable Force (Max.) in-lb (Nm)	Jaws Attachment	Mounting Holes in (mm)	Weight lb (kg)	Weight Capacity lb (kg) @ 5 (127)
			I.D	O.D								
Jaw Chuck 20 in (508 mm)	AD2405-1	1 - 20 (25.4 - 508)	6.25 - 20 (159 - 508)	1 - 16.5 (25 - 419)	5/8 - 20.87 (15.9 - 530.2)	Self-Centering with three standard jaws	Single point screw with 3 lock ball pins	Reversible, quickset ball locking pin	3 holes for 1/2 (12.7) socket head cap screws on 15 3/8 (390.5) B.C.D.	140 (64)	1000 (453.6) @ 5 (127)	
Jaw Chuck 31 in (787.4 mm)	AD2405-2	1.5 - 31.25 (38.1 - 794)	5.5 - 31.25 (140 - 794)	1.5 - 27.62 (38 - 708)	5/8 - 32.12 (15.9 - 816)							
Jaw Chuck 44 in (1117.6 mm)	AD2405-3	1.5 - 44.37 (38.1 - 1127)	5.5 - 44.37 (140 - 1127)	1.5 - 40.75 (38 - 1035)	5/8 - 45.25 (15.9 - 1155.7)							
Jaw Chuck 68 in (1727.2 mm)	AD2405-4	1.5 - 67.5 (38.1 - 1714.5)	4.5 - 68 (114 - 1727.2)	1.5 - 63.5 (38 - 1613)	5/8 - 68.37 (15.9 - 1736.7)							
Jaw Chuck 52 in (1320.8 mm)	AD2405-5	3 - 52 (76.2 - 1320.8)	7 - 52 (179 - 1320.8)	3 - 48 (76 - 1219)	N/A	Serrated and hardened self-centering with three standard jaws	-	-	3 holes for 3/4 (19) socket head cap screws on 28 7/8 (733.4) B.C.D.	711 (322)	7500 (3401.9) @ 5 (127)	
Optional Jaws	AD2405-6	-	-	-	N/A	-	-	-	-	-	-	

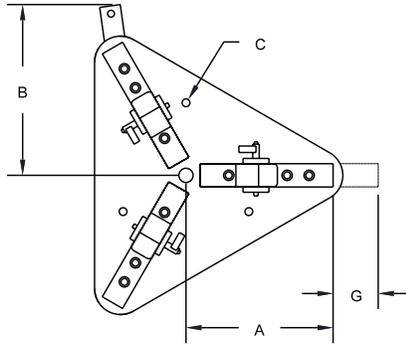
## GRIPPING CAPACITY



## Top Views

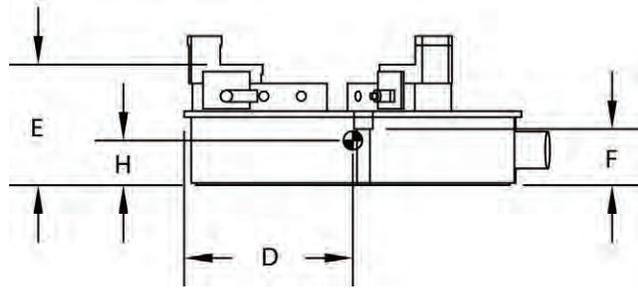


AD2405-1

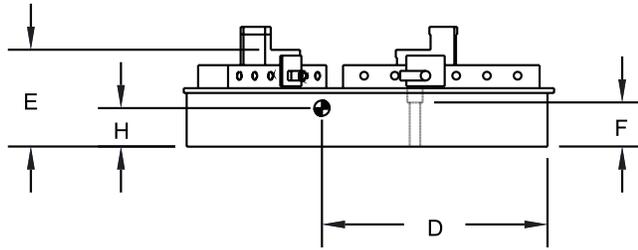


AD2405-2,  
AD2405-3,  
AD2405-4,  
AD2405-5

## Side Views



AD2405-1



AD2405-2,  
AD2405-3,  
AD2405-4,  
AD2405-5

## QUICKSET SPECIFICATIONS

Product Name	Product Number	A	B	C	D	E	F	G	H
		Jaw Bar Clearance in (mm)	Crank Handle Clearance (Max. Swing) in (mm)	Bolt Center Spacing in (mm)	Frame Swing Clearance in (mm)	Jaw Face Offset in (mm)	Bolt Hole Length in (mm)	Jaw Stroke in (mm)	C.G. Location in (mm)
Jaw Chuck 20 in (508 mm)	AD2405-1	15.5 (394)	12.37 (314)	15.375 (391)	9 (229)	6.43 (164)	3.37 (86)	2 (51)	3 (76)
Jaw Chuck 31 in (787.4 mm)	AD2405-2	15.5 (394)	18 (457)	19.25 (489)	15.125 (384)	7.18 (183)	3.87 (98)	2.25 (57)	3.37 (86)
Jaw Chuck 44 in (1117.6 mm)	AD2405-3	22 (559)	23.5 (597)	19.25 (489)	20.43 (519)	7.18 (183)	3.87 (98)	2.37 (60)	3.56 (90)
Jaw Chuck 68 in (1727.2 mm)	AD2405-4	33.56 (863)	23.5 (597)	19.25 (489)	20.43 (519)	7.18 (183)	3.87 (98)	2.37 (60)	3.75 (95)
Jaw Chuck 52 in (1320.8 mm)	AD2405-5	24.37 (619)	29.75 (756)	28.875 (733)	24.87 (632)	9.5 (241)	5.62 (143)	2.37 (60)	5.87 (149)
Optional Jaws	AD2405-6	-	-	-	-	-	-	-	-

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Lincoln Electric has built a solutions portfolio to include all of the competencies to support your need to improve productivity, quality and safety. Lincoln Electric can modify or completely customize the creation of your weld cell to meet those precise needs.

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