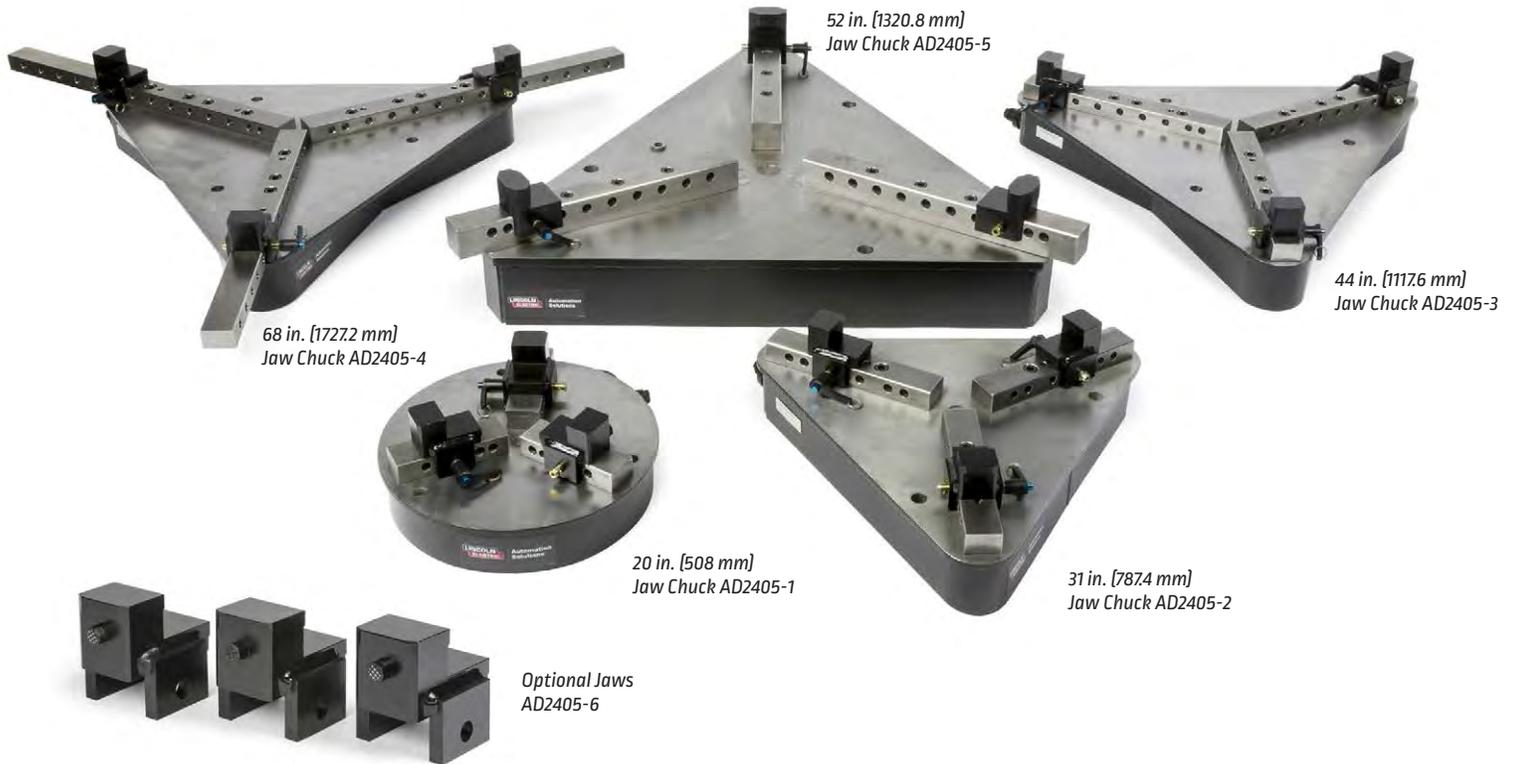


JAW CHUCKS FOR POSITIONERS

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)

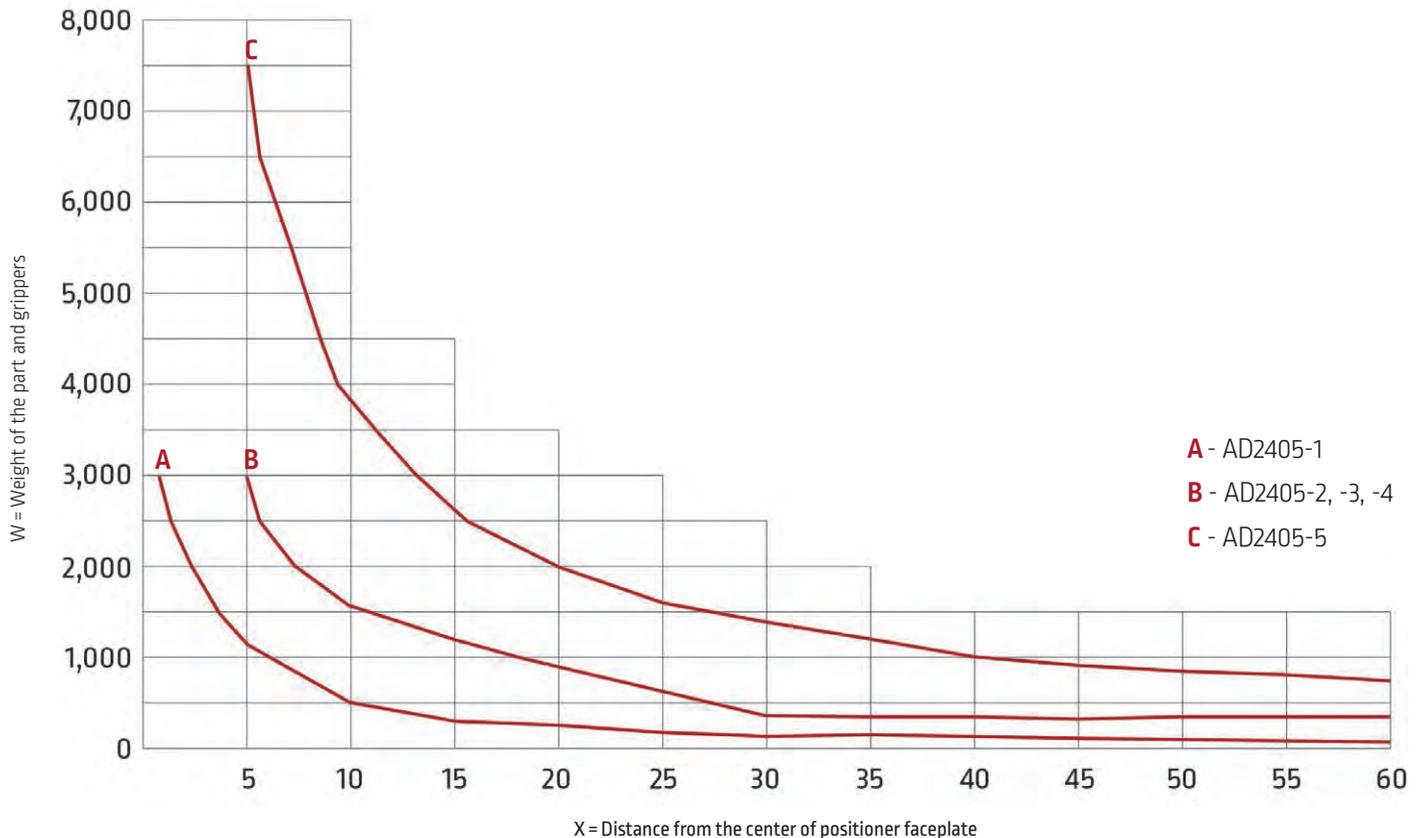
Product Number »

See back for complete specs

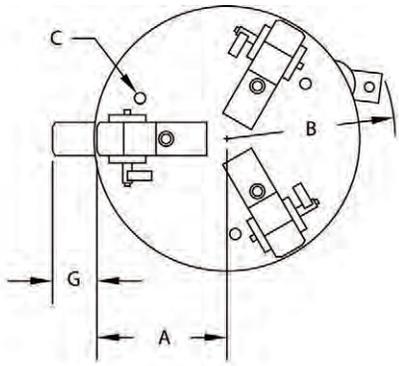
STANDARD SPECIFICATIONS

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	-	-	-	-	-	-	

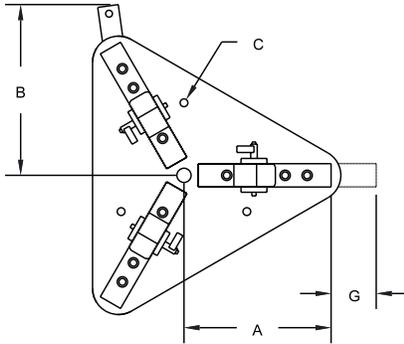
GRIPPING CAPACITY



Top Views

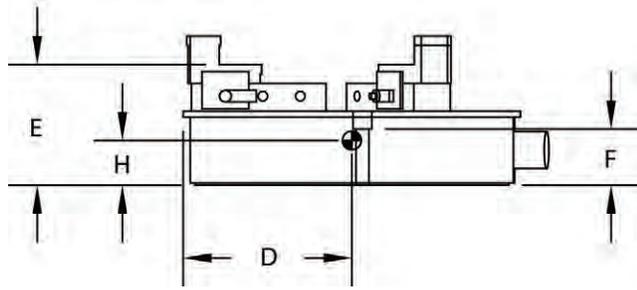


AD2405-1

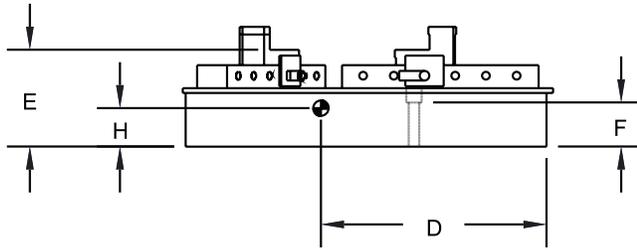


AD2405-2,
AD2405-3,
AD2405-4,
AD2405-5

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	-	-	-	-	-	-	-	-

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

THE ONLY SINGLE-SOURCE AUTOMATION PROVIDER

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.

With a global network of facilities and people, you'll get quick response and personalized attention. Contact one of the below facilities for more information on the types of solutions available to help you produce faster, more repeatable, higher quality results.

UNITED STATES

22221 Saint Clair Ave.
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

www.lincolnelectric.com/automated-solutions