

Electrode Holders/Ground Clamps

Electrode Holders and Ground Clamps: Applications and Safety

Read this section completely before selecting your Jackson electrode holder. Electrical shock can kill. Do not touch live electrical parts or electrodes with bare skin or work with wet gloves or clothing.

Electrode holders should be used only for electric arc welding and arc cutting. Cable installation instructions must be followed for correct electrical conductivity. Welding gloves must be worn when operating electrode holders.

When selecting an electrode holder the following safety items should be reviewed: maximum amperage rating, duty cycle rating, maximum rod size and minimum cable size.

Electrode holders must not be operated if insulators or handles are damaged or missing. Repair immediately. Never operate any electrode holder at a higher amperage than its maximum amperage rating.

Electrode holders, when not in use, must be placed so that they cannot make electrical contact with persons or conducting objects.

Inspect frequently and immediately replace worn or damaged parts.

For further information on welding safety, see American National Standards Institute Standard Z49.1, available from American National Standards Institute, 1430 Broadway New York, NY 10018.

Electrode Holders

Heavy duty copper and aluminum alloy models with large dome cable screw connectors for high conductivity and improved cable connections.



Streamlined design; ideal for tight places
Part No: 0700-0011



Streamlined design; replaceable jaws; lightweight
Part No: 0700-0022

Part No.	Amperage Capacity	Electrode Capacity		Cable Capacity		Duty Cycle Rating*	Length		Weight	
		Inches	mm		mm ²		Inches	mm	oz.	grams
Model JH-1 Copper Alloy										
0700-0011	250	Up to 3/16	4.8	4-1/0	16-50	50%	8-1/8	206.4	12	340
Model JH-2 Aluminum Alloy										
0700-0022	200	Up to 5/32	4.0	4-1/0	16-50	45%	8-1/8	206.4	10	283



Replaceable jaws; lightweight
Part No: 0700-0019



Popular medium duty
Part No: 0700-0012



Heavy duty
Part No: 0700-0016

Part No.	Amperage Capacity	Electrode Capacity		Cable Capacity		Duty Cycle Rating*	Length		Weight	
		Inches	mm		mm ²		Inches	mm	oz.	grams
Model A-W Aluminum Alloy										
0700-0019	300	Up to 1/4	6.4	2-2/0	25-70	45%	9-5/8	244.5	14	397
Model AW-C Copper Alloy										
0700-0012	300	Up to 1/4	6.4	4-2/0	16-70	50%	9-1/4	235.3	19	538
Model A3-S Copper Alloy										
0700-0016	500	Up to 3/8	10.0	2/0-4/0	70-105	60%	12-1/2	317.5	30	850



Heavy duty
Part No: 0700-0034

Part No.	Amperage Capacity	Electrode Capacity		Cable Capacity		Duty Cycle Rating*	Length		Weight	
		Inches	mm		mm ²		Inches	mm	oz.	grams
Model J-4 Brass										
0700-0034	400	Up to 1/4	6.4	2-1/0	25-50	60%	8.5	215.9	16	340

*Duty cycle rating is the maximum percentage of actual arc-time (out of any 10-minute period) that a holder should be expected to perform comfortably.

Ground Clamps

Double-Lok ground clamps have forged copper alloy conductors with large contact areas, high clamping pressure and long-levered handles for easy jaw opening. The cable jacket is held securely inside the conductor body with a cable bar for improved holding ability and longer cable life. They have fully insulated pivots and springs.



Part No. 0702-0001



Part No. 0702-0002



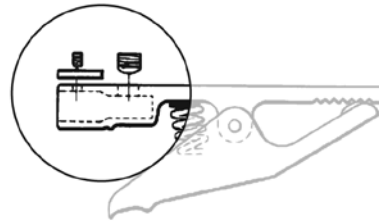
Part No. 0702-0003

Part No.	Model No.	Amperage Capacity	Jaw Opening		Cable Capacity		Length		Weight	
			Inches	mm		mm ²	Inches	mm	oz.	grams
GC Series										
0702-0001	GC-2	200	Up to 1-1/4	32	4-1/0	16-50	6-5/8	168.3	16	445
0702-0002	GC-3	300	Up to 1-5/8	41	1/0-2/0	50-70	8-5/16	211.0	23	652
0702-0003	GC-5	500	Up to 2	50	3/0-4/0	50-105	10	254.0	34	962

Cable Clamp Kits

Package of parts including cable crimping insert and set screws for cable clamps above.

- Part No. 0703-0014- GC-2
- Part No. 0703-0015- GC-3
- Part No. 0703-0016- GC-5



Uni-Trik Cable Connectors

Uni-Trik cable connectors are completely insulated, with no exposed metal, and have large, dome-nose cable screws to ensure a virtually unbreakable, high conductivity connection. Uni-Trik connector halves are compatible with halves of certain other connectors.



Part No. 0704-0200- Model UB-1-BP, for cables No. 4 through No. 1.



Part No. 0704-0210- Model UB-3-BP, for cables No. 1/0 through No. 3/0.



Part No. 0704-0213- Model UB-4-BP, for cables No. 3/0 through No. 4/0.

Description	Cable Capacity	Model No.	Part No.
Complete	4 thru 1	UB-1-BP	0704-0200
Complete	1/0 thru 3/0	UB-3-BP	0704-0210
Female	1/0 thru 3/0	UBF-3-BP	0704-0211
Male	1/0 thru 3/0	UBM-3-BP	0704-0212
Complete	3/0 thru 4/0	UB-4-BP	0704-0213

Quik-Trik Cable Connectors

Quik-Trik connector halves have Morse-tapered sections that are drawn together with a cam and locking bar, for maximum conductivity. Available with flexible insulators, with tapered ends that cover cable jacket and lock out moisture, oil and dirt; or with semi-rigid insulators.

Model QWNB-BP Whip-Lead

For cables No. 4 through 1/0.
Part No. 0704-0008



Part No. 0704-0001- Model QNB-2-BP, for cables No. 1/0 through No. 2/0.



Part No. 0704-0002- Model QNB-4-BP, for cables No. 3/0 through No. 4/0.



Part No. 0704-0004- Model QB-2-BP, for cables No. 1/0 through No. 2/0.

Description	Cable Capacity	Model No.	Part No.
Flexible insulator/complete	1/0 and 2/0	QNB-2-BP	0704-0001
Flexible insulator/male	1/0 and 2/0	QNB-2-BP	0704-0029
Flexible insulator/female	1/0 and 2/0	QNB-2-BP	0704-0023
Flexible insulator/complete	3/0 and 4/0	QNB-4-BP	0704-0002
Flexible insulator/male	3/0 and 4/0	QNB-4-BP	0704-0030
Flexible insulator/female	3/0 and 4/0	QNB-4-BP	0704-0024
Semi-rigid insulator/complete	1/0 and 2/0	QB-2-BP	0704-0004
Whip-lead half	4 thru 1/0	QWNB-BP	0704-0008

Lugs / Electrode Holder Parts Breakdown

Lug-Boot Terminal Covers

This is the easiest, least costly way to protect against electrical shock from exposed welding machine terminal connections, and satisfy specification requirements, too. These soft vinyl covers slide up over lug and cable, and are pulled back down over the completed connection, to cover the bus bar, lug, stud and nut. One size Lug-Boot cover fits all cable from size 6 thru 4/0, and straight or angled style lugs. Sold in pairs.
Part No. 0706-0029



Plug-In Insulated Cable Lugs

Plug-in cable lugs give you completely insulated welding machine terminal connections, plus quick-connect convenience. The lug body, with its soft vinyl cover, is secured to the terminal stud. Cable is attached by plugging in a male cable connector half. For use with Uni-Trik or Quik-Trik connectors 1/0 through 4/0 cable sizes.

Model ULB-45

Uni-Trik angled lug, pair:
Part No. 0706-0030



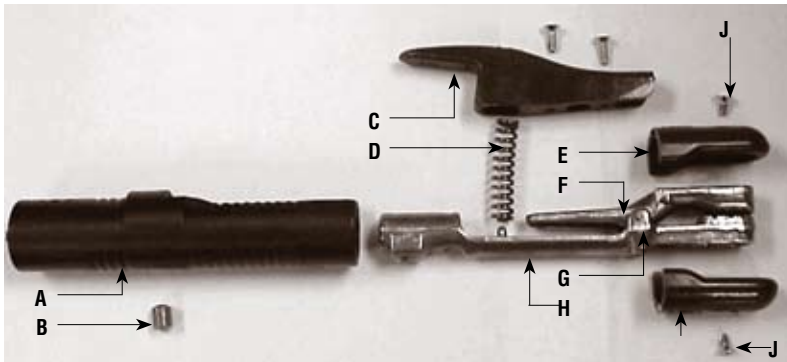
Model QLB-45

Quik-Trik angled lug, pair:
Part No. 0706-0034

Electrode Holder Replacement Parts

JH-1 Holder

Part No. 0700-0011 (250 Amps)

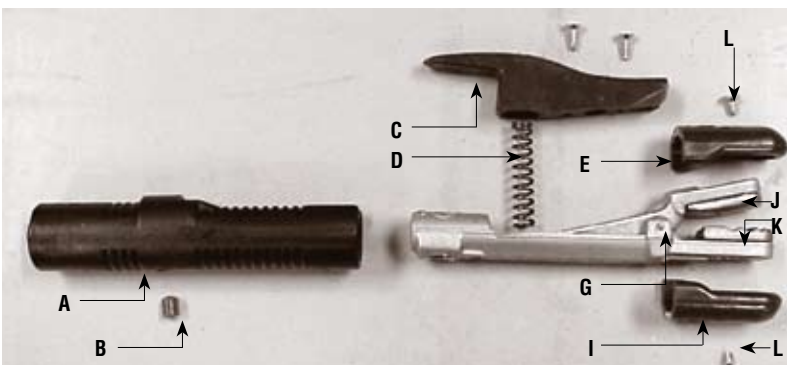


Not Shown: 0701-0074 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0071	Handle
B	0701-0073	Handle screw
C	0701-0063	Lever
D	0701-0044	Spring
E	0701-0050	Upper nose
F	0701-0009	Upper tong
G	0701-0034	Tong pin
H	0701-0018	Lower tong
I	0701-0050	Lower nose
J	0701-0059	Insulator screw (100)

JH-2 Holder

Part No. 0700-0022 (Aluminum 200 Amps)

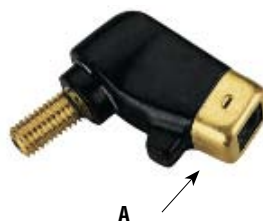


Not Shown: 0701-0075 1 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0071	Handle
B	0701-0073	Handle screw
C	0701-0063	Lever
D	0701-0044	Spring
E	0701-0050	Upper nose
G	0701-0034	Tong pin
I	0701-0050	Lower nose
J	0701-0039	Upper jaw
K	0701-0040	Lower jaw
L	0701-0059	Insulator screw (100)

J4 Holder

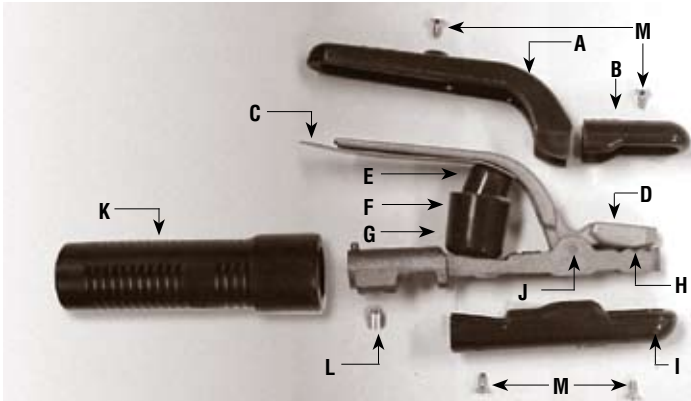
Part No. 0700-0034 (400 Amps)



Item	Part No.	Description
A	0700-0035	Head Assembly

AWC Holder

Part No. 0700-0012 (300 Amps)

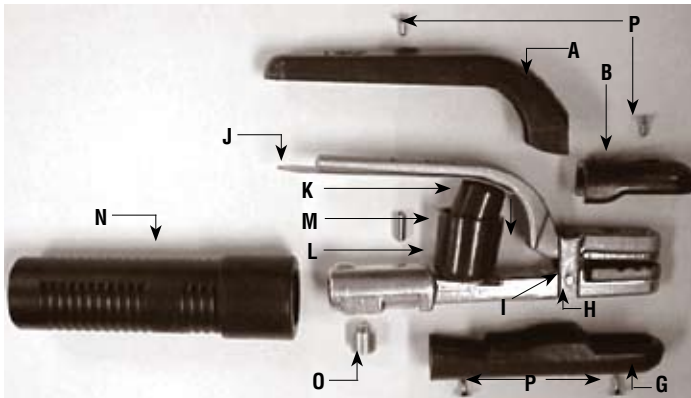


Not Shown: 0701-0075 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0053	Insulator, lever
B	0701-0050	Upper nose
C	0701-0061	Insulator strip
D	0701-0007	Upper tong
E	0701-0047	Small spring cup
F	0701-0043	Inner spring (not shown)
G	0701-0049	Large spring cup
H	0701-0019	Lower tong
I	0701-0057	Lower nose
J	0701-0032	Tong Pin
K	0701-0068	Handle
L	0701-0073	Handle Screw
M	0701-0059	Insulator Screw (100)

AW Holder

Part No. 0700-0019 (Aluminum 300 Amps)

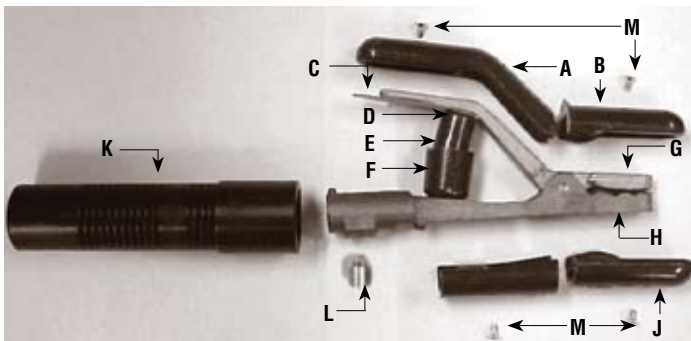


Not Shown: 0701-0075 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0053	Insulator, lever
B	0701-0050	Upper nose
D	0701-0039	Upper jaw
E	0701-0040	Lower jaw
G	0701-0057	Lower nose
H	0701-0036	Yoke
I	0701-0032	Tong Pin
J	0701-0061	Insulator, Strip
K	0701-0047	Small spring cup
L	0701-0049	Large spring cup
M	0701-0043	Inner spring (not shown)
N	0701-0068	Handle
O	0701-0073	Handle Screw
P	0701-0059	Insulator screw (100)

A3-S Holder

Part No. 0700-0016 (500 Amps)



Not Shown: 0701-0070 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0054	Insulator, lever
B	0701-0051	Upper nose
C	0701-0062	Insulator strip
D	0701-0047	Small spring cup
E	0701-0043	Inner spring (not shown)
F	0701-0049	Large spring cup
G	0701-0008	Upper tong
J	0701-0067	Lower nose
K	0701-0069	Handle
L	0701-0073	Handle screw
M	0701-0059	Insulator screw (100)