Electrode Holders / 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 so placed 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.

Model JH-1
Part No: 0700-0011
Amperes: 250
Electrode capacity: 3/16"
Cable capacity: No. 4 through 1/0
Duty Cycle Rating*: 50%
Weight: 12 oz.
Copper Alloy

Model JH-2
Part No: 0700-0022
Amperes: 200
Electrode capacity 5/32"
Cable Capacity: No. 4 through 1/0
Duty Cycle Rating*: 45%
Weight: 10 oz.
Aluminum Alloy

Model AW-C
Part No: 0700-0012
Amperes: 300
Electrode capacity: 1/4"
Cable Capacity: No. 4 through 2/0
Duty Cycle Rating*: 50%
Weight: 19 oz.
Copper Alloy

Model A-W
Part No: 0700-0019
Amperes: 300
Electrode capacity: 1/4"
Cable capacity: No. 3 through 2/0
Duty Cycle Rating*: 45 %
Weight: 14 oz.
Aluminum Alloy

Model J-4
Part No: 0700-0034
Amperes: 400
Electrode capacity: 1/4"
Cable capacity: No. 2 through 1/0
Duty Cycle Rating*: 60%
Weight: 18 oz.
Brass

Model JH-1
Part No: 0700-0011
Amperes: 250
Electrode capacity: 3/16"
Cable capacity: No. 4 through 1/0
Duty Cycle Rating*: 50%
Weight: 12 oz.
Copper Alloy

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Amperes: 400
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Cable capacity: No. 2 through 1/0
Duty Cycle Rating*: 60%
Weight: 18 oz.
Brass

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Part No: 0700-0022
Amperes: 200
Electrode capacity 5/32"
Cable Capacity: No. 4 through 1/0
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Electrode capacity: 1/4"
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Duty Cycle Rating*: 60%
Weight: 18 oz.
Brass

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Part No: 0700-0011
Amperes: 250
Electrode capacity: 3/16"
Cable capacity: No. 4 through 1/0
Duty Cycle Rating*: 50%
Weight: 12 oz.
Copper Alloy

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Part No: 0700-0012
Amperes: 300
Electrode capacity: 1/4"
Cable Capacity: No. 4 through 2/0
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Weight: 19 oz.
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Amperes: 300
Electrode capacity: 1/4"
Cable capacity: No. 3 through 2/0
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Weight: 14 oz.
Aluminum Alloy

Model J-4
Part No: 0700-0034
Amperes: 400
Electrode capacity: 1/4"
Cable capacity: No. 2 through 1/0
Duty Cycle Rating*: 60%
Weight: 18 oz.
Brass

Replaceable jaws; lightweight

Streamlined design; ideal for tight places

Streamlined design; replaceable jaws; lightweight

Popular medium duty

Model A3-S
Part No: 0700-0016
Amperes: 500
Electrode capacity: 3/8"
Cable capacity: No. 2/0 through 4/0
Duty Cycle Rating*: 60%
Weight: 30 oz.
Copper Alloy

Model AW-C
Part No: 0700-0012
Amperes: 300
Electrode capacity: 1/4"
Cable Capacity: No. 4 through 2/0
Duty Cycle Rating*: 50%
Weight: 19 oz.
Copper Alloy

Model A-W
Part No: 0700-0019
Amperes: 300
Electrode capacity: 1/4"
Cable capacity: No. 3 through 2/0
Duty Cycle Rating*: 45 %
Weight: 14 oz.
Aluminum Alloy

Model J-4
Part No: 0700-0034
Amperes: 400
Electrode capacity: 1/4"
Cable capacity: No. 2 through 1/0
Duty Cycle Rating*: 60%
Weight: 18 oz.
Brass

Heavy Duty

Heavy Duty

* 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.

Model GC-3
Part No: 0702-0002
Amperes: 300
Jaw capacity: 1-5/8"
Cable capacity: 1/0 and 2/0
Weight: 23 oz.

Model GC-5
Part No: 0702-0003
Amperes: 500
Jaw capacity: 2"
Cable capacity: 3/0 and 4/0
Weight: 34 oz.
## Part Breakdown

### AWC Holder

#### A0700-0012 (300 Amps)

<table>
<thead>
<tr>
<th>Part</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0701-0053</td>
<td>Insulator, lever</td>
</tr>
<tr>
<td>B</td>
<td>0701-0050</td>
<td>Upper nose</td>
</tr>
<tr>
<td>C</td>
<td>0701-0061</td>
<td>Insulator strip</td>
</tr>
<tr>
<td>D</td>
<td>0701-0007</td>
<td>Upper tong</td>
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<tr>
<td>E</td>
<td>0701-0047</td>
<td>Small spring cup</td>
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<tr>
<td>F</td>
<td>0701-0043</td>
<td>Inner spring (not shown)</td>
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<tr>
<td>G</td>
<td>0701-0049</td>
<td>Large spring cup</td>
</tr>
<tr>
<td>H</td>
<td>0701-0019</td>
<td>Lower tong</td>
</tr>
<tr>
<td>I</td>
<td>0701-0057</td>
<td>Lower nose</td>
</tr>
<tr>
<td>J</td>
<td>0701-0032</td>
<td>Tong pin</td>
</tr>
<tr>
<td>K</td>
<td>0701-0068</td>
<td>Handle</td>
</tr>
<tr>
<td>L</td>
<td>0701-0073</td>
<td>Handle screw</td>
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<tr>
<td>M</td>
<td>0701-0059</td>
<td>Insulator Screw (100)</td>
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</table>

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

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### AW Holder

#### A0700-0019 (Aluminum 300 Amps)

<table>
<thead>
<tr>
<th>Part</th>
<th>Code</th>
<th>Description</th>
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<tbody>
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<td>A</td>
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<td>Insulator, lever</td>
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<tr>
<td>B</td>
<td>0701-0050</td>
<td>Upper nose</td>
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<td>C</td>
<td>0701-0011</td>
<td>Upper tong</td>
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<td>D</td>
<td>0701-0039</td>
<td>Upper jaw</td>
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<td>E</td>
<td>0701-0040</td>
<td>Lower jaw</td>
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<tr>
<td>F</td>
<td>0701-0026</td>
<td>Lower tong</td>
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<td>G</td>
<td>0701-0057</td>
<td>Lower nose</td>
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<td>H</td>
<td>0701-0036</td>
<td>Yoke</td>
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<td>I</td>
<td>0701-0032</td>
<td>Tong pin</td>
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<td>J</td>
<td>0701-0061</td>
<td>Insulator, Strip</td>
</tr>
<tr>
<td>K</td>
<td>0701-0047</td>
<td>Small spring cup</td>
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<tr>
<td>L</td>
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<td>Large spring cup</td>
</tr>
<tr>
<td>M</td>
<td>0701-0043</td>
<td>Inner spring (not shown)</td>
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<tr>
<td>N</td>
<td>0701-0068</td>
<td>Handle</td>
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<tr>
<td>O</td>
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<td>Handle screw</td>
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<td>P</td>
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<td>Insulator screw (100)</td>
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</table>

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

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### A3-S Holder

#### A0700-0016 (500 Amps)

<table>
<thead>
<tr>
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<td>C</td>
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<td>D</td>
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<td>E</td>
<td>0701-0043</td>
<td>Inner spring (not shown)</td>
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<tr>
<td>F</td>
<td>0701-0049</td>
<td>Large spring cup</td>
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<tr>
<td>G</td>
<td>0701-0008</td>
<td>Upper tong</td>
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<td>H</td>
<td>0701-0023</td>
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<td>I</td>
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<td>J</td>
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<td>K</td>
<td>0701-0069</td>
<td>Handle</td>
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<tr>
<td>L</td>
<td>0701-0073</td>
<td>Handle screw</td>
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<td>M</td>
<td>0701-0059</td>
<td>Insulator screw (100)</td>
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Not Shown:  #0701-0070  Cable kit (includes Copper Wrap & (2) set screws)
### JH-1 Holder

<table>
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<td>B</td>
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<td>D</td>
<td>#0701-0044</td>
<td>Spring</td>
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<td>E</td>
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<td>F</td>
<td>#0701-0009</td>
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<td>G</td>
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<td>H</td>
<td>#0701-0018</td>
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<tr>
<td>I</td>
<td>#0701-0050</td>
<td>Lower nose</td>
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<td>J</td>
<td>#0701-0059</td>
<td>Insulator screw (100)</td>
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Not Shown: #0701-0074 Cable kit (includes Copper Wrap & (2) set screws)

### JH-2 Holder

<table>
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<td>B</td>
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<td>Handle screw</td>
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<td>C</td>
<td>#0701-0063</td>
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<td>Spring</td>
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<td>E</td>
<td>#0701-0050</td>
<td>Upper nose</td>
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<td>F</td>
<td>#0701-0013</td>
<td>Upper tong</td>
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<td>G</td>
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<td>H</td>
<td>#0701-0029</td>
<td>Lower tong</td>
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<td>I</td>
<td>#0701-0050</td>
<td>Lower nose</td>
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<tr>
<td>J</td>
<td>#0701-0039</td>
<td>Upper jaw</td>
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<tr>
<td>K</td>
<td>#0701-0040</td>
<td>Lower jaw</td>
</tr>
<tr>
<td>L</td>
<td>#0701-0059</td>
<td>Insulator screw (100)</td>
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</table>

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

### J4 Holder

<table>
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<tr>
<th>Part</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>A</td>
<td>#0701-0035</td>
<td>Head Assembly</td>
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### J4 Holder

<table>
<thead>
<tr>
<th>Part</th>
<th>Code</th>
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<tbody>
<tr>
<td>A</td>
<td>#0701-0035</td>
<td>Head Assembly</td>
</tr>
</tbody>
</table>

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

Model UWB-BP Whip-Lead
For cables No. 4 through No. 1.
Part No. 0704-0208

<table>
<thead>
<tr>
<th>Description</th>
<th>Cable Capacity</th>
<th>Model No.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete</td>
<td>4 thru 1</td>
<td>UB-1-BP</td>
<td>0704-0200</td>
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<tr>
<td>Complete</td>
<td>1/0 thru 3/0</td>
<td>UB-3-BP</td>
<td>0704-0210</td>
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<tr>
<td>Female</td>
<td>1/0 thru 3/0</td>
<td>UBF-3-BP</td>
<td>0704-0211</td>
</tr>
<tr>
<td>Male</td>
<td>1/0 thru 3/0</td>
<td>UBM-3-BP</td>
<td>0704-0212</td>
</tr>
<tr>
<td>Complete</td>
<td>3/0 thru 4/0</td>
<td>UB-4-BP</td>
<td>0704-0213</td>
</tr>
<tr>
<td>Female</td>
<td>3/0 thru 4/0</td>
<td>UBF-4-BP</td>
<td>0704-0214</td>
</tr>
<tr>
<td>Whip-Lead Half</td>
<td>4 thru 1</td>
<td>UWB-BP</td>
<td>0704-0208</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Cable Capacity</th>
<th>Model No.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexible Insulator</td>
<td>1/0 and 2/0</td>
<td>QNB-2-BP</td>
<td>0704-0001</td>
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<tr>
<td>Male</td>
<td>1/0 and 2/0</td>
<td>QNBM-2BP</td>
<td>0704-0029</td>
</tr>
<tr>
<td>Female</td>
<td>1/0 and 2/0</td>
<td>QNBF-2-BP</td>
<td>0704-0023</td>
</tr>
<tr>
<td>Complete</td>
<td>3/0 and 4/0</td>
<td>QNB-4-BP</td>
<td>0704-0002</td>
</tr>
<tr>
<td>Flexible Insulator</td>
<td>3/0 and 4/0</td>
<td>QNBM-4-BP</td>
<td>0704-0030</td>
</tr>
<tr>
<td>Male</td>
<td>3/0 and 4/0</td>
<td>QNBF-4-BP</td>
<td>0704-0024</td>
</tr>
<tr>
<td>Semi-Rigid Insulator</td>
<td>1/0 and 2/0</td>
<td>QB-2-BP</td>
<td>0704-0004</td>
</tr>
<tr>
<td>Whip-Lead Half</td>
<td>4 thru 1</td>
<td>QWNB-8-BP</td>
<td>0704-0008</td>
</tr>
</tbody>
</table>

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

Cable Clamp Kits
GC-2: Part No. 0703-0014
GC-3: Part No. 0703-0015
GC-5: Part No. 0703-0016

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