

## Aluminum, Mechanical Lug, One Conductor Dual Rated (AL9CU)

### Features

- Manufactured from high strength aluminum alloy
- Chamfered entry
- Electro-Tin plated for corrosion resistance
- UL486A/B Listed for Wire Connectors
- CSA certified to standard 22.2
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation

### Standard Material

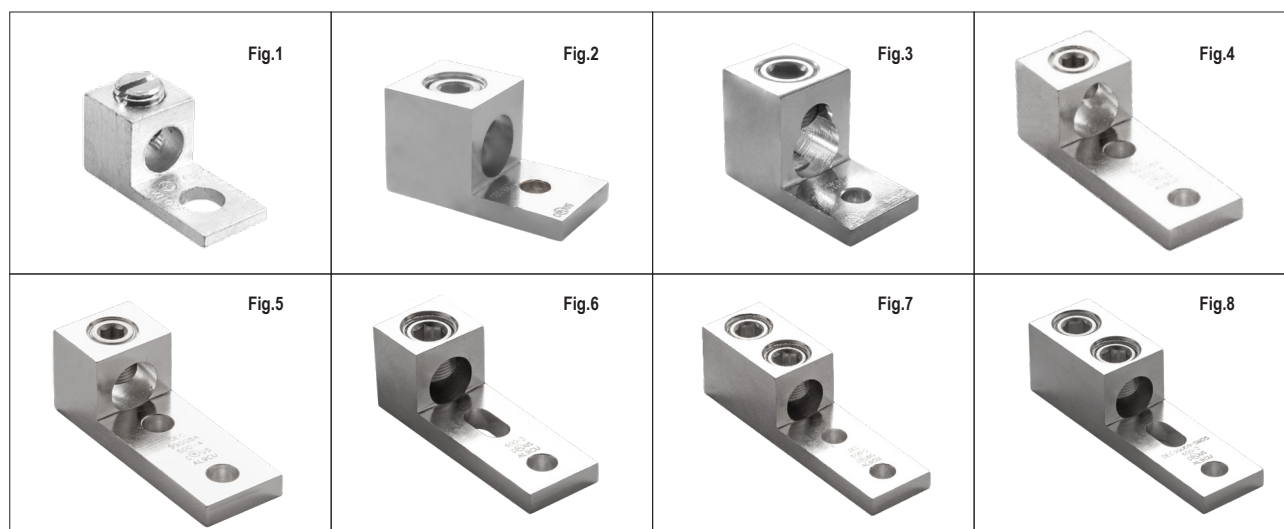
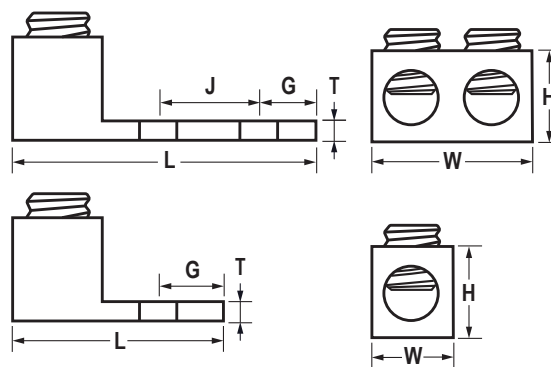
- Aluminum

### Standard Finish

- Electro-tin plated

### Electrical Rating

- Voltage Rating: 600 V
- Maximum Circuit Rating: 35 kV
- Temperature Rating: 90°C



## For Aluminum and Copper Conductors

| Catalog ID | Fig. No. | Conductor Range | Bolt Size | Dimensions In Inches |      |      |      |   |      | Wrench Style |  | Torque in (lbs) |
|------------|----------|-----------------|-----------|----------------------|------|------|------|---|------|--------------|--|-----------------|
|            |          |                 |           | L                    | W    | H    | T    | J | G    |              |  |                 |
| 99001      | 1        | 4-14            | 1/4       | 1.06                 | 0.50 | 0.50 | 0.09 | - | 0.25 | Slotted      |  | 35              |
| 99001B     |          | 6-14            |           | 1.06                 | 0.50 | 0.50 | 0.09 | - | 0.25 | Slotted      |  | 35              |
| 99001C     |          | 4-14            |           | 1.06                 | 0.40 | 0.50 | 0.09 | - | 0.25 | Slotted      |  | 35              |
| 99002      |          | 2-14            |           | 1.16                 | 0.50 | 0.55 | 0.11 | - | 0.31 | Slotted      |  | 40              |
| 99003E     |          | 1/0-14          |           | 1.46                 | 0.63 | 0.79 | 0.19 | - | 0.44 | Slotted      |  | 50              |
| 99003      |          | 1/0-14          |           | 1.46                 | 0.63 | 0.79 | 0.19 | - | 0.44 | Slotted      |  | 50              |
| 99004      | 2        | 2/0 -14         | 1/4       | 1.46                 | 0.63 | 0.79 | 0.19 | - | 0.44 | Allen Hex    |  | 120             |
| 99004B     |          | 3/0-14          | 5/16      | 1.52                 | 0.72 | 1.11 | 0.25 | - | 0.50 | Allen Hex    |  | 120             |
| 99005      |          | 250-6           |           | 2.00                 | 0.94 | 1.12 | 0.25 | - | 0.50 | Allen Hex    |  | 275             |
| 99006      |          | 300-6           |           | 2.00                 | 0.86 | 1.12 | 0.25 | - | 0.50 | Allen Hex    |  | 275             |
| 99006S     |          | 300-6           |           | 2.00                 | 0.94 | 1.12 | 0.25 | - | 0.50 | Allen Hex    |  | 275             |
| 99006E     |          | 300-6           |           | 2.00                 | 0.94 | 1.12 | 0.25 | - | 0.50 | Allen Hex    |  | 275             |
| 99007      |          | 350-6           | 3/8       | 2.25                 | 1.26 | 1.25 | 0.25 | - | 0.50 | Allen Hex    |  | 275             |
| 99008      |          | 500-4           |           | 2.81                 | 1.50 | 1.57 | 0.32 | - | 0.62 | Allen Hex    |  | 375             |
| 99009      |          | 600-2           |           | 3.19                 | 1.50 | 1.57 | 0.44 | - | 0.62 | Allen Hex    |  | 500             |
| 99010W     |          | 750-2           |           | 2.81                 | 1.37 | 1.89 | 0.31 | - | 0.62 | Allen Hex    |  | 796             |

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| Catalog ID  | Fig. No. | Conductor Range                        | Bolt Size | Dimensions In Inches |      |      |      |      |      | Wrench Style |  | Torque in (lbs) |
|-------------|----------|----------------------------------------|-----------|----------------------|------|------|------|------|------|--------------|--|-----------------|
|             |          |                                        |           | L                    | W    | H    | T    | J    | G    |              |  |                 |
| 99095       | 2        | 750-3/0                                | 5/8       | 3.24                 | 1.31 | 1.94 | 0.50 | -    | 0.62 | Allen Hex    |  | 796             |
| 99010       |          | 800-300                                |           | 3.37                 | 1.75 | 1.94 | 0.50 | -    | 0.87 | Allen Hex    |  | 500             |
| 99011       |          | 1000-500                               |           | 3.37                 | 1.75 | 1.94 | 0.50 | -    | 0.87 | Allen Hex    |  | 600             |
| 99091       | 3        | One: 350 Kcmil-6<br>Two: 2/0-4         | 3/8       | 2.25                 | 1.12 | 1.25 | 0.25 | -    | 0.50 | Allen Hex    |  | 619             |
| 99092       |          | One: 500 Kcmil-4<br>Two: 250 Kcmil-1/0 | 3/8       | 2.81                 | 1.37 | 1.82 | 0.31 | -    | 0.61 | Allen Hex    |  | 619             |
| 99093       |          | One: 600 Kcmil-4<br>Two: 250 Kcmil-1/0 | 3/8       | 2.81                 | 1.29 | 1.82 | 0.31 | -    | 0.72 | Allen Hex    |  | 796             |
| 99094       |          | One: 750 Kcmil-2<br>Two: 300 Kcmil-1/0 | 3/8       | 2.81                 | 1.29 | 1.82 | 0.31 | -    | 0.61 | Allen Hex    |  | 796             |
| 99091-2S    | 4        | One: 350 Kcmil-6<br>Two: 2/0-4         | 3/8       | 4.00                 | 1.16 | 1.25 | 0.25 | 1.75 | 0.50 | Allen Hex    |  | 619             |
| 99092-2S    |          | One: 500 Kcmil-4<br>Two: 250 Kcmil-1/0 | 3/8       | 4.56                 | 1.29 | 1.82 | 0.31 | 1.75 | 0.62 | Allen Hex    |  | 619             |
| 99093-2S    |          | One: 600 Kcmil-4<br>Two: 250 Kcmil-1/0 | 3/8       | 4.56                 | 1.29 | 1.82 | 0.31 | 1.75 | 0.62 | Allen Hex    |  | 796             |
| 99094-2S    |          | One: 750 Kcmil-2<br>Two: 300 Kcmil-1/0 | 3/8       | 4.56                 | 1.29 | 1.82 | 0.31 | 1.75 | 0.62 | Allen Hex    |  | 796             |
| 99095-2S    |          | One: 750 Kcmil-3/0<br>Two: 300 Kcmil-2 | 3/8       | 4.56                 | 1.29 | 1.82 | 0.50 | 1.75 | 0.62 | Allen Hex    |  | 796             |
| 99004A      | 5        | 2/0-14                                 | 1/4       | 2.00                 | 0.63 | 0.79 | 0.19 | 1.00 | 0.44 | Allen Hex    |  | 120             |
| 99005A      |          | 250-6                                  | 5/16      | 3.00                 | 0.94 | 1.12 | 0.25 | 1.00 | 0.50 | Allen Hex    |  | 275             |
| 99006A      |          | 300-6                                  |           | 3.00                 | 0.94 | 1.12 | 0.25 | 1.00 | 0.50 | Allen Hex    |  | 275             |
| 99007A      |          | 350-6                                  | 1/2       | 3.97                 | 1.12 | 1.25 | 0.31 | 1.75 | 0.62 | Allen Hex    |  | 275             |
| 99008A      |          | 500-4                                  |           | 4.22                 | 1.50 | 1.57 | 0.43 | 1.38 | 0.87 | Allen Hex    |  | 400             |
| 99009A      |          | 600-2                                  |           | 4.22                 | 1.50 | 1.57 | 0.44 |      | 0.87 | Allen Hex    |  | 500             |
| 99010A      |          | 800-300                                |           | 4.62                 | 1.75 | 1.94 | 0.50 |      | 0.87 | Allen Hex    |  | 500             |
| 99011A      |          | 1000-500                               |           | 4.62                 | 1.75 | 1.94 | 0.50 | 1.75 | 0.87 | Allen Hex    |  | 600             |
| 99005A-SM   | 6        | 250-6                                  | 5/16      | 3.00                 | 0.94 | 1.12 | 0.25 | 1.00 | 0.50 | Allen Hex    |  | 275             |
| 99007A-SM   |          | 350-6                                  | 1/2       | 3.97                 | 1.25 | 1.25 | 0.31 | 1.75 | 0.62 | Allen Hex    |  | 275             |
| 99008A-SM   |          | 500-4                                  | 1/2       | 4.22                 | 1.50 | 1.57 | 0.32 | 1.75 | 0.87 | Allen Hex    |  | 375             |
| 99007-DS    | 7        | 350-6                                  | 1/2       | 5.25                 | 1.12 | 1.25 | 0.25 | 1.75 | 0.62 | Allen Hex    |  | 275             |
| 99008A-DS   |          | 500-4                                  |           | 4.22                 | 1.50 | 1.57 | 0.32 |      | 0.87 | Allen Hex    |  | 400             |
| 99009-DS    |          | 600-2                                  |           | 5.75                 | 1.50 | 1.57 | 0.44 |      | 0.87 | Allen Hex    |  | 500             |
| 99010-DS    |          | 800-300                                |           | 5.75                 | 1.75 | 1.93 | 0.50 |      | 0.87 | Allen Hex    |  | 500             |
| 99011-DS-14 |          | 1000-500                               |           | 5.75                 | 1.75 | 1.93 | 0.50 |      | 0.87 | Allen Hex    |  | 600             |
| 99009-SMDS  | 8        | 600-2                                  | 1/2       | 5.75                 | 1.50 | 1.57 | 0.44 | 1.75 | 0.87 | Allen Hex    |  | 500             |
| 99010-SMDS  |          | 800-300                                |           | 5.75                 | 1.75 | 1.94 | 0.50 |      | 0.87 | Allen Hex    |  | 500             |
| 99011-SMDS  |          | 1000-500                               |           | 5.75                 | 1.75 | 1.94 | 0.50 |      | 0.87 | Allen Hex    |  | 600             |

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)  
We suggest using an oxide inhibitor for every aluminum termination.