

**WARNING Disconnect Power
Before Working on or Near Any
Electrical Components.**

A covered Single Conductor Bottom Entry Electrification system with strong, high visibility covers of noncombustible insulating material to enclose the conductors. Ruggedly designed for long term, low maintenance service in most traveling power applications. Single Conductor Bottom Entry Electrification systems are ideal for new installations or the modernization and expansion of existing systems for low cost, high-performance operations. The pin-connected conductor bar is quickly installed by regular maintenance personnel; installation and maintenance instructions are simple and easy to follow.

Single Conductor Bottom Entry Electrification may be readily curved to a minimum of 3'-6" without damage to the vinyl cover of the conductor. Bending is done in the field.

FIGURE 8 CONDUCTOR
811.1 FE-908-2 (281053) Wt. 6.1 lbs.

Figure 8 Conductor Section, 110 amp. rating, consists of a 10 ft. long conductor bar piece, insulating cover, joint cover, and connector pins or joint clamps where applicable.

EXPANSION ASSEMBLY
811.2 FE-908-2H10 (281116) Wt. 8.5 lbs.

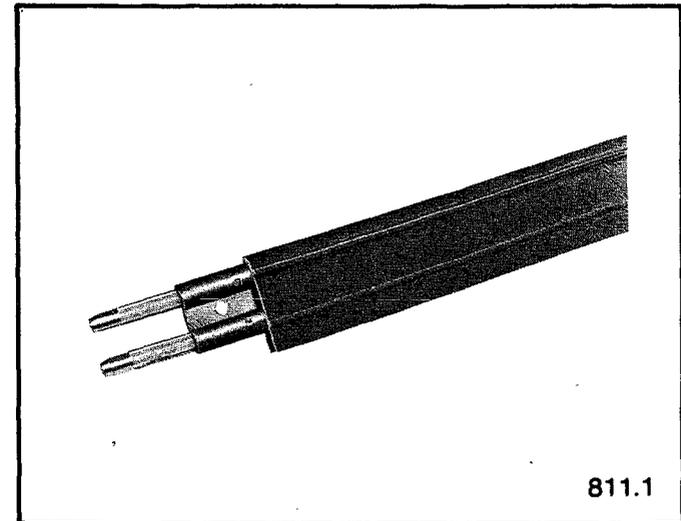
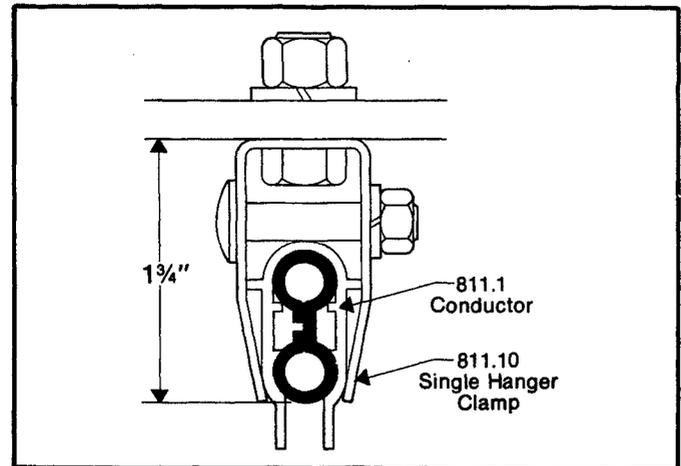
Expansion Joint Assemblies are 10' long and consist of conductor bar sections, insulation covers, conductor pins, (one end), and two power feeds with jumper cables.

Expansion gaps should be placed at intervals determined by the conductor temperature rise. If the estimated temperature rise for steel conductor systems is 150° F a 1" expansion gap should be provided every 100' for average installations. Expansion gap assemblies should be located every 150' of straight run and at building expansion joints.

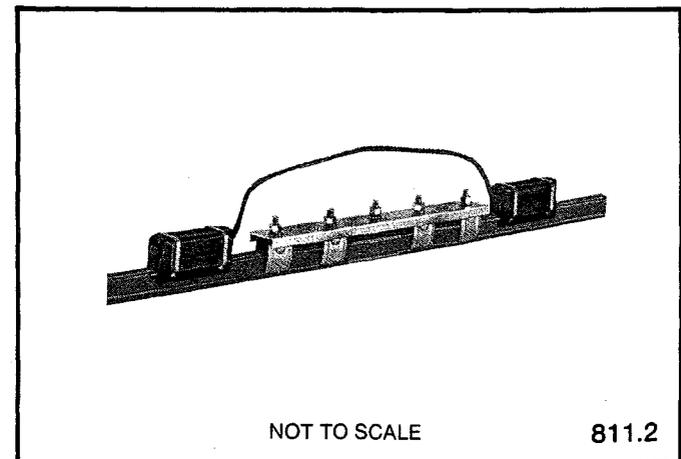
Issued 9-7-01

811-1

LOUDEN®
SINGLE CONDUCTOR
BOTTOM ENTRY
ELECTRIFICATION



811.1



NOT TO SCALE

811.2

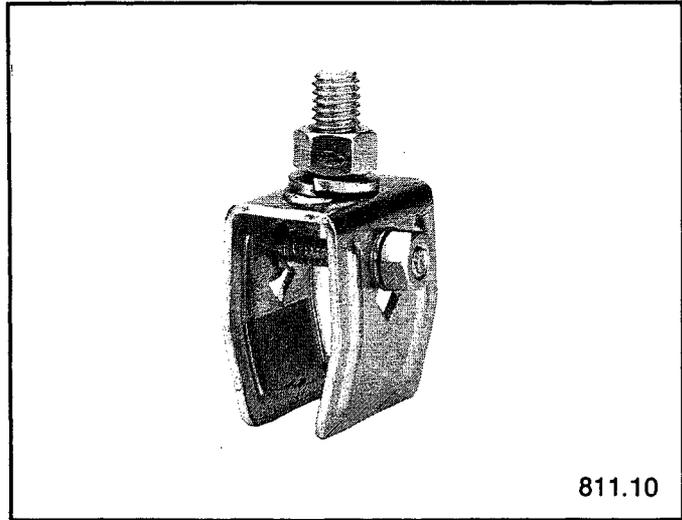


**LOUDEN® SINGLE CONDUCTOR
BOTTOM ENTRY ELECTRIFICATION**

811-2
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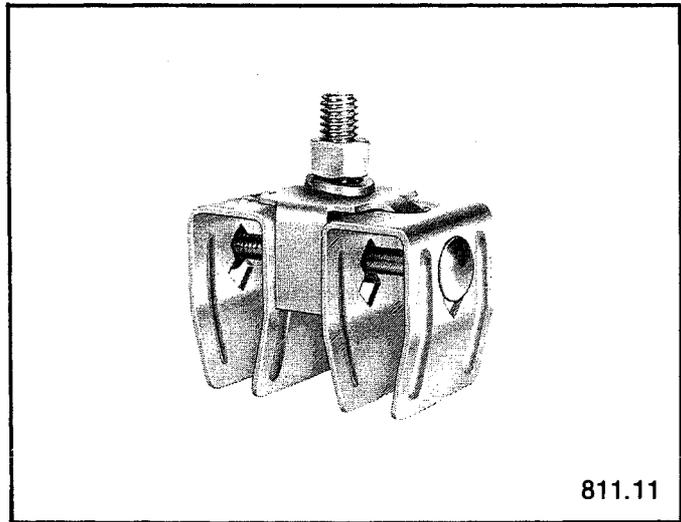
**SINGLE HANGER CLAMP ASSEMBLY
811.10 B-100-2FF (281058) Wt. .21 lbs.**

Single hanger clamp assembly is a zinc plated steel hanger clamp complete with bolts, lock washers, and nuts.



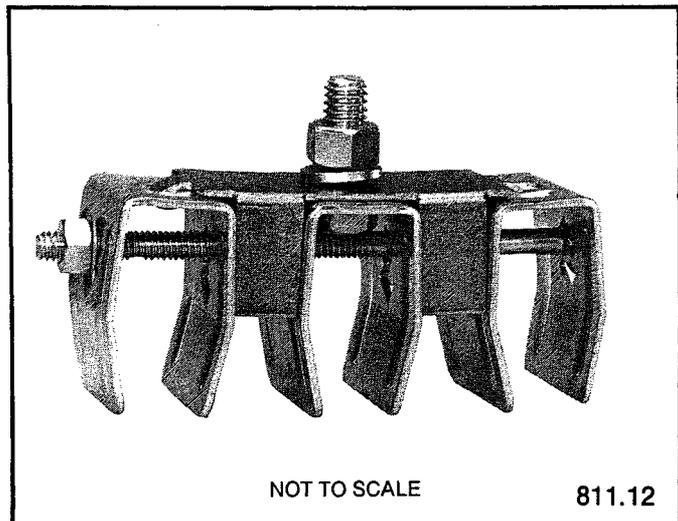
**TWIN HANGER CLAMP ASSEMBLY
811.11 B-100-2F2 (281112) Wt. .36 lbs.**

Twin hanger clamp assembly is a two-in-one hanger assembly with conductors on 1-1/2 inch centers. For use only in dry, indoor applications.



**TRIPLE HANGER CLAMP ASSEMBLY
811.12 B-100-2F3 (281113) Wt. .55 lbs.**

Triple hanger clamp assembly is a three-in-one hanger assembly with conductors on 1-1/2 inch centers. For use only in dry, indoor applications.



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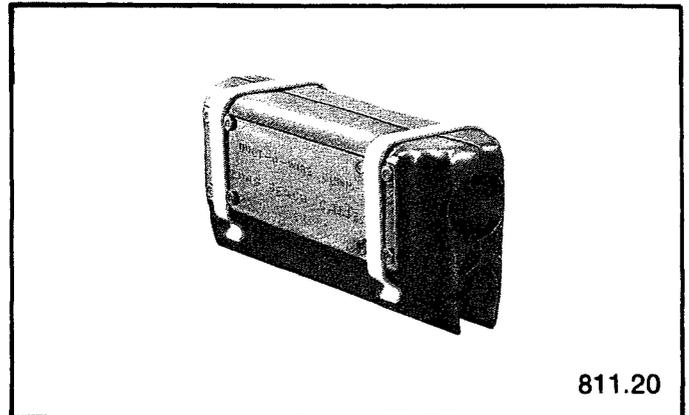
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811-3
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CENTER POWERFEED

811.20 FE-1158-2CP (281115) Wt. .25 lbs.

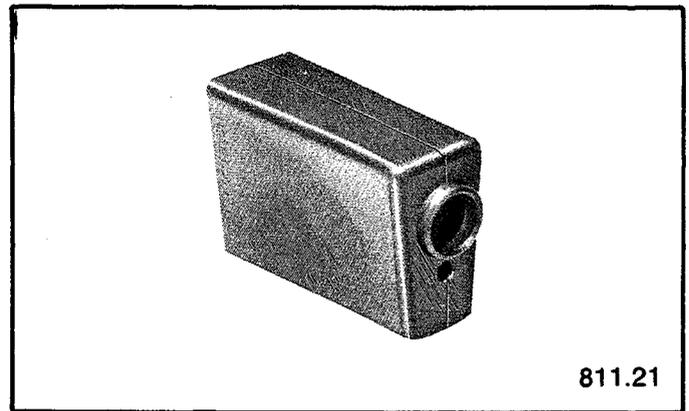
Center power feed is rated 110 amp./600 volts.
Includes insulating cover.



VINYL END CAP

811.21 B-100-1GC (281055) Wt. .03 lbs.

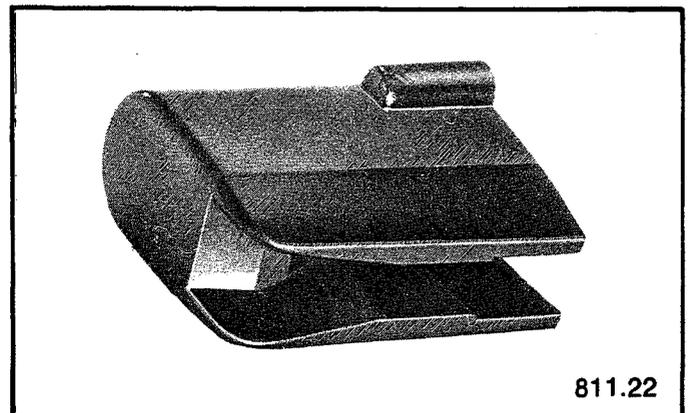
Vinyl end cap is for rolled conductors and is installed
over the exposed ends of all conductor runs.



TRANSFER CAP

811.22 FE-908-GCT (281054) Wt. .03 lbs.

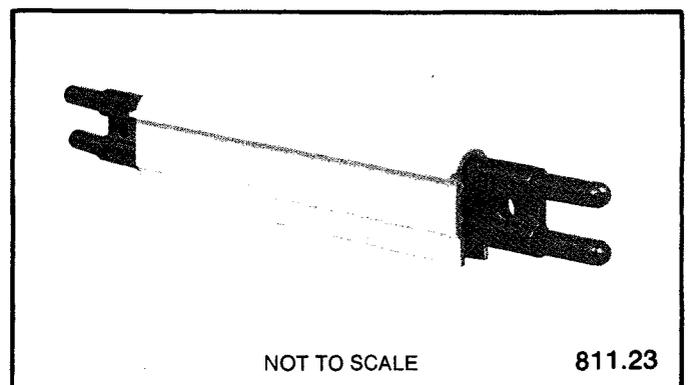
Transfer cap is to be used at each conductor end
where there is a gap in the system. It is installed in lieu
of end cap at all switches, and interlocks.



ISOLATION SECTION

811.23 FE-908-1S 8" (281114) Wt. .16 lbs.

8" Isolation section (1 per conductor). It is installed
in conductor section to provide isolation between two
parts of the same conductor section.





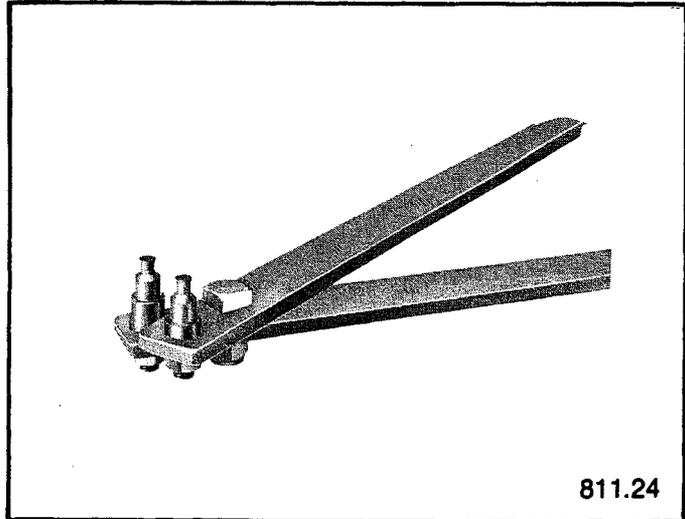
**LOUDEN® SINGLE CONDUCTOR
BOTTOM ENTRY ELECTRIFICATION**

811-4
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CONNECTOR TOOL

811.24 FE-908-1M (281057) Wt. 2.91 lbs.

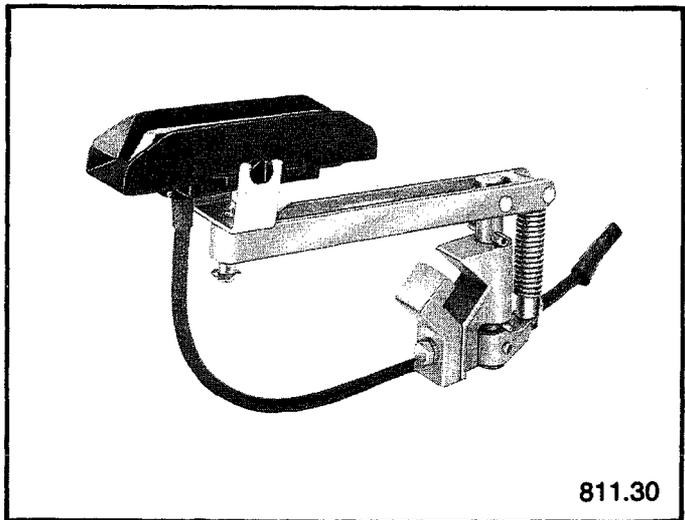
Connector tool is required for conductor assembly.



CURRENT COLLECTOR

811.30 C-40V3 (281063) Wt. 1.75 lbs.

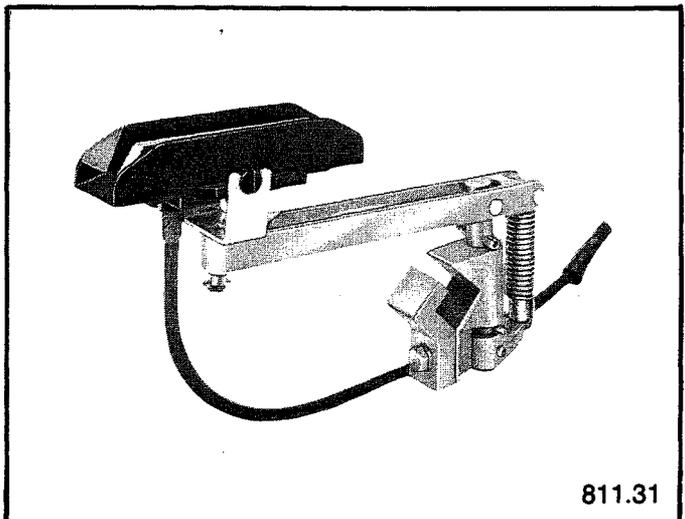
Current Collector, 40 amp./600 volt rating, single 3" collector shoe, vertical mount. This collector will negotiate a 3'-6" radius or greater curve. (price includes standard bracket.)



CURRENT COLLECTOR

811.31 C-100V5 (281104) Wt. 2.01 lbs.

Current Collector, 100 amp./600 volt rating, single 5" collector shoe, vertical mount. This collector will negotiate a 6'-0" radius or greater curve. (price includes standard bracket.)



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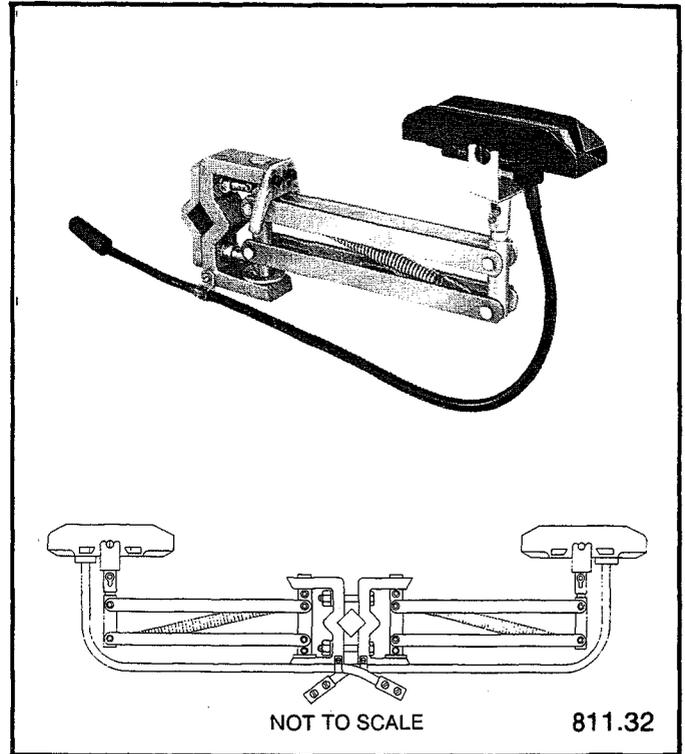
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CURRENT COLLECTOR

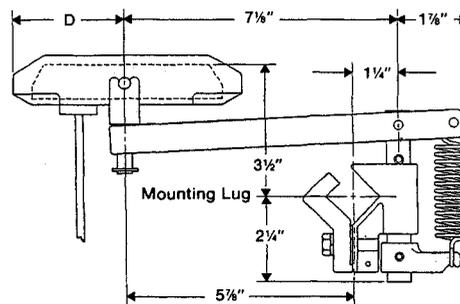
811.32 P-80VT3 (281105) Wt. 4.66 lbs.

Current Collector, 80 amp./600 volt rating, double (two) 3" collector shoe, vertical mount. This collector will negotiate a 3'-6" radius or greater curve. (price includes standard bracket.)



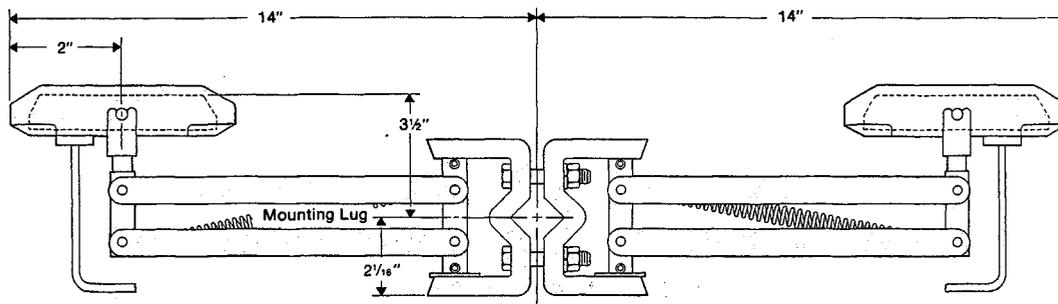
NOTES:

1. Contact Customer Engineering Department concerning outdoor applications, and high temperature applications.
2. Select conductor bar support brackets from section 809.
3. Monorail curves require an additional conductor bar support bracket for each 45° of bend.



Dimension D
2" - 811.30 Collector
3" - 811.31 Collector

811.30 and 811.31 Collector



811.32 Collector