



BATTERY CONNECTORS



Safe



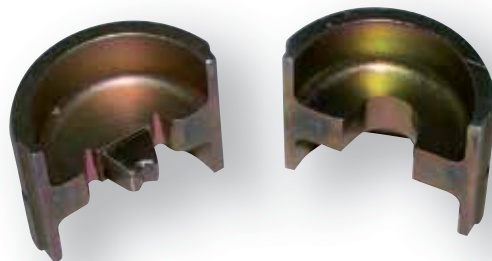
Effortless



Efficient



Durable



Eaxtron - USA Inc.  
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**CRIMPING RECOMMENDATIONS**

**EAXTRON - USA's Effortless Din Connector**

**RANGE 160A/320A**



## For Optimal performance we recommend W-Crimping

Please note that W-crimping offers the best performance, and is necessary to fulfill UL, CSA & EN1175-1 requirements.



Just as the choice of a materials is crucial in reducing electrical resistance, the proper crimping of the contacts is necessary to achieve stable maximum conductivity. We chose highly conductive copper, plated with 6µ of silver to ensure maximum contact conductivity. A poor crimping may result in abnormal heating. Therefore we recommend the use of a fine crimping tool to allow W/ crimping, which facilitates the proper shaping of individual cores and ensures an air-tight connection. This method increases cable protection, and decreases the likelihood your cables will suffer from internal corrosion. Corrosion, as well as improper crimping and, broken wires, can cause an increase in contact resistance.

We supply such this tool on request, using the part number EUSWCT300. Please reference the following chart for W dies.

- Before crimping, always check that the dies and the contacts are clean and undamaged.
- Be careful to avoid bending the contact while crimping
- Once your contacts are crimped, check that they are properly locked into the contact loader before screwing on the cable clamps and finishing with connector installation.



W DIE SIZES
AWG 4
AWG 2
AWG 1/0
AWG 2/0
AWG 3/0 – 4/0

W CRIMPING	<input checked="" type="checkbox"/>	SOLDERING	<input type="checkbox"/>
Proper shaping of individual copper strand cores		Copper strands harden and become brittle	
Better connection interface between sleeve & strands		Copper strands become fragile and air pockets may form	
More consistent conductivity		Risks of tin flux and flow, which may damage the copper strands, and limit conductivity	
Durable rounded luf formation		Fragile Angular cable lugs	
Prescribed by EAXTRON USA		Tin conductivity of tin is 7 times lower than that of copper	
Requested by OEMs		Not in compliance with CSA, UL & EN1175-1 testingsand forbidden in some industries (aerospace)	

## For Optimal performance we recommend W-Crimping

The 4/0 contacts are notably different in that they have a small hole in the contact lug area.

While crimping your 4/0 contacts, make sure this hole is positioned to face the middle of the «nest side» of the crimping die as shown in the pictures below:



The W-crimping (on the right), allows a gas-tight crimping, avoiding oxydation. The strands are uniformly distorted and squeezed together, granting the best conductivity.

## Stripping dimensions

Strip wires to the specified lengths :

AWG 6 – 3/0      L = 20 mm / 0,79 in  
>4/0              L = 25 mm / 0,98 in





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