









Introduction

The Rail Connector range is designed as a permanent connection for Cu conductor to a variety of rails used in Heavy Rail Mass Transit systems.

Constructed using a Heavy Duty Air Craft quality steel spring member, Copper Cable Nest, Indentor, Hex Head Bolt and Locking Nut.



Overview

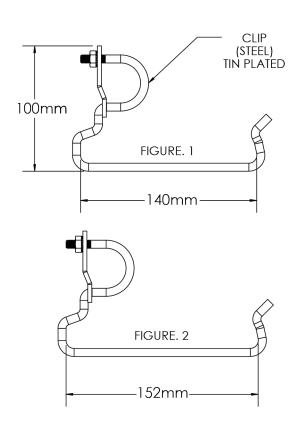
- No need to drill holes in the rail
- No need to weld conductor to the rail
- The rail is not subjected to warping by excessive heat or to weakening by drilling
- Labor Saving- Installation time is 1/6 man hours
- Fewer rail connections required because of the large conductor capacity
 - Single conductors up to 1000 MCM
 - Dual conductors up to 750 MCM
- Large conductors can be bent away from the rail after installation without the risk of damaging the connector. Unlike Compression type lugs that can crack during this process
- The Clamp is an active spring that applies a consistent force on the conductor ensuring a positive connection through heat cycling and train vibration
- The "J" shaped spring member of the connector helps overcome loosening problems associated with harsh train vibrations by flexing rather than breaking
- Whereas a Static type connection doesn't have this resiliency and could crack under prolonged vibration
- The consistent spring pressure also prevents moisture and contamination from seeping into the connection
- All Copper components are Tin Plated and Steel Components are Galvanised

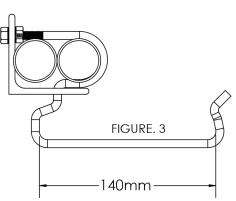


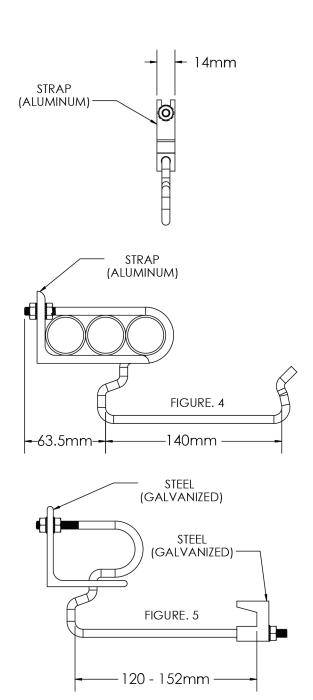


The Range

Signal Cable Support Spring Rail Clips







SPRING RAIL CLIPS

Part No.	Rail Size & Type	Cable OD & Capacity	Figure#
115-250	115 lb AREA	1.25" x 1	1
140-375	140 lb AREA	1.375" x 1	2
115-250-2\$	115 lb AREA	1.095" x 2 - 1.365" x 2	3
115-250-3	115 lb AREA	1.302" x 3	4
100-ARA-B-250-2	100 ARA-B	1.095" x 2 -	5

NOTE: ALL PART NUMBERS ARE SUPPLIED WITH STANDARD ZINC PLATED KEPT NUTS. ADD SUFFIX 'N' TO PART NUMBER TO SPECIFY A STAINLESS STEEL NYLON INSERT NUT



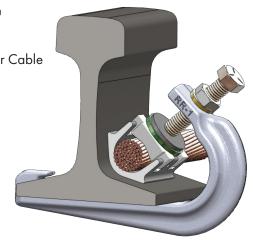


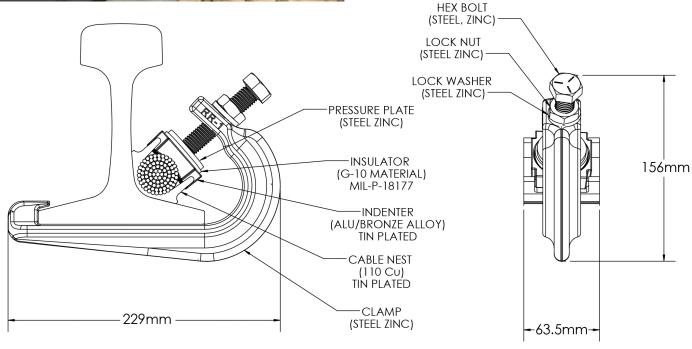
Running Rail Connector

The CPI Running Rail Connector is designed as a permanent connection for Cu conductor to a variety of rails used in Heavy Rail Mass Transit systems.

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115-2-500 NEST CONFIGURATION

15-1000 NES		

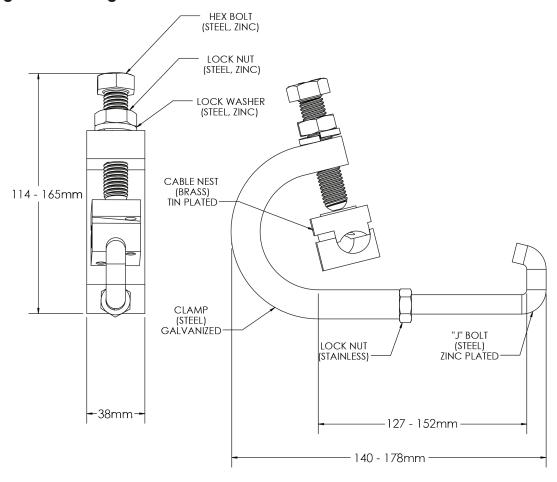
Single Conductor Connectors		
Part No.	Rail Size & Type	Conductor Size & Range
115-1000	115lb AREA	1000MCM - 1250MCM
Two Conductor Connections		
115-2-500	115 lb AREA	2250MCM - 2500MCM

FOR ANY RAIL CONDUCTOR CONNECTION NOT LISTED ABOVE, CONSULT TEN GROUP.



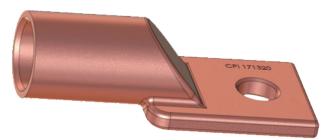


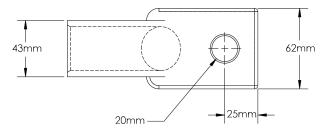
Running Rail Bonding Connector

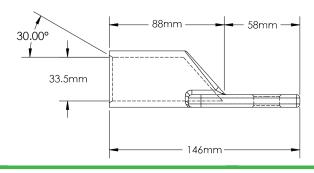


1000 MCM Heavy Wall Terminal Lua

Part No.	1 <i>7</i> 1320	
Material	1/8 Hard DLP Copper Tubing	
Capacity	1000MCM Conductor	
Finish	Tin Plated	
Performance	UL 486 & NEMA 500 Cycle Standards	









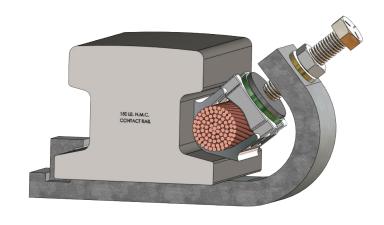


Contact Rail Connector

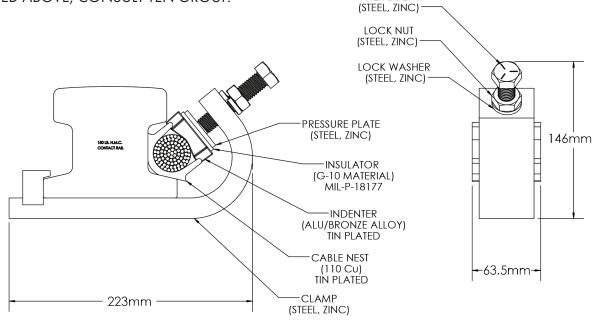
The CPI Contact Rail Connector is designed as a permanent connection for Cu conductor to a variety of rails used in Heavy Rail Mass Transit systems.

Constructed using a Heavy Duty Air Craft quality steel spring member, Copper Cable Nest, Indentor, Hex Head Bolt and Locking Nut.

Single Conductor Connectors		
Part No.	Rail Size & Type	Conductor Size & Range
150-1000	150lb NMC	1000MCM
150-2000	150lb NMC	2000MCM
Two Conductor Connections		
150-2- 500	150 lb NMC	2250MCM - 2500MCM

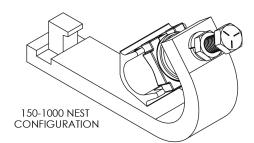


FOR ANY RAIL OR CONDUCTOR COMBINATION NOT LISTED ABOVE, CONSULT TEN GROUP.



HEX BOLT





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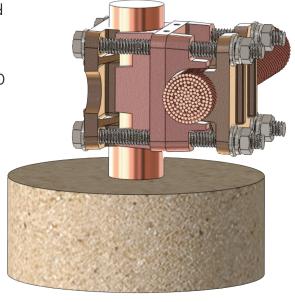


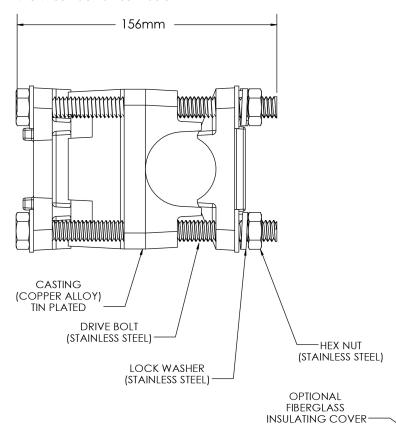


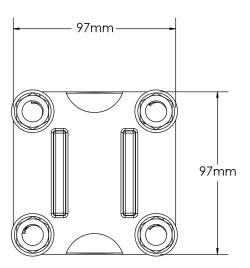
2000 MCM Cathode Connector

The CPI Cathode Connector aka "Pot Head Connector" is designed to connect a single 2000 MCM conductor from the main feeder directly to the Third Rail. When used in conjunction with the CPI Contact Rail Clamp, a Pot Head connector can replace the need for having 4 separate 500 MCM connections with one single 2000 MCM connection.

- Constructed of High Conductivity Copper.
- The assembly comes standard with a Tin
- Plated Finish (not pictured).
- Incorporates the use of a Stainless Steel
- hardware for increased strength and
- corrosion resistance.
- Optional molded fiberglass Insulation Cover
- available upon request.
- Simple 4 bolt installation.
- Eliminates the need for any welding.
- Recommended for use with the CPI 2000
- MCM contact rail connector.

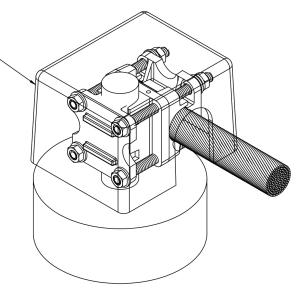






2000 MCM Cathode Connector 'Pot Head Connector'

Single Conductor Connectors	
Part No.	Conductor Size
22000	2000MCM









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