



# LV JUICE

## CORROSION<sup>X</sup> CORROSION & RUST FIGHTERS



**STOP  
CORROSION IN  
ITS TRACKS**

CorrosionX is the world's best multi-functional ultra-thin film lubricant, penetrant and corrosion inhibitor, and can be safely used to protect and restore electronics. The VOC of CorrosionX is ZERO. Other products in the range also offer the absolute minimal environmental impact being gentler on you, your equipment and your world.

- Lubricates under heavy loads and high temperatures
- Creates a self-healing, dielectric film
- Shuts down electrolysis between dissimilar metals
- Frees seized parts
- Electronically safe
- Kills existing rust and corrosion
- Won't short sensitive circuits
- Cleans contact points
- Prevents and eliminates battery terminal corrosion

### CORROSION<sup>X</sup>HD HEAVY DUTY

For those really tough jobs, like those involving direct exposure to rain, snow or seawater, use CorrosionX Heavy Duty, which forms a dripless, non-hardening, self-healing film that stubbornly resists removal – even by complete immersion in salt-water.

### CORROSION<sup>X</sup>XD EXTENDED DUTY

CorrosionX Extended Duty combines the best of CorrosionX and CorrosionX HD. Still a fast penetrant and thinly applied, it resists displacement or removal by splash or spray. It leaves a non-hardening, resilient coating that provides maximum protection against moisture intrusion.

CorrosionX XD (far left) versus competitors after 120 hours in salt spray test



**CORROSIONX**  
Available in aerosol, trigger spray, & bulk

**CORROSIONX HD**  
Available in aerosol, trigger spray, & bulk

**CORROSIONX XD**  
Available in trigger spray & bulk



## This Month

WEDGE PRESSURE EARTH CONNECTORS PAGE 4

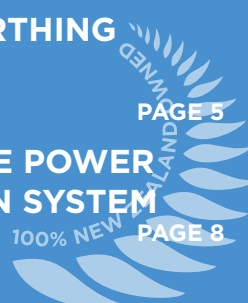
WRICON EARTHING SYSTEM PAGE 5

RATIO SHORE POWER CONNECTION SYSTEM PAGE 8

**FREE** 1 WHITTAKERS CHOCOLATE BAR  
WHILE STOCKS LAST



When you spend over \$300 (excl GST) on one invoice this month





## RAYRIM - PROTECTIVE SELF-ADHESIVE EDGING MATERIAL

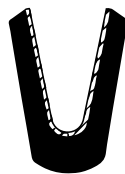
Raychem Rayrim edging material is an extruded strip internally coated with a heat activated adhesive, so that on heating the profile changes from a "V" to a "U" section and the adhesive bonds to the substrate profile.

Rayrim's profile offers a clean and rapid means of covering edges. Its robustness allows Rayrim to give protection under the most testing circumstances.



### FEATURES

- Manufactured from a Raychem radiation crosslinked polyolefin material
- Adhesive lining enables excellent adherence to many substrates
- Covers metal, wood and glass edges
- All round protection
- Flexible
- Applicable to both internal and external radii, as well as straight edges
- ROHS Compliant
- Wide Operating Temperature Range -55°C to 80°C



Supplied profile



Recovered profile



Cat No.	Plate Thickness SWG	mm	Length (mm)
RAYRIM-NR6-0-STK	30-24	0.31-0.56	1200
RAYRIM-NR7-0-STK	23-16	0.61-1.63	1200
RAYRIM-NR8-0-STK	15-10	1.83-3.25	1200
RAYRIM-NR9-0-STK	9-5	3.66-5.38	1200



## CFTS HEATSHRINK FEED THROUGH CABLE GLANDS

CFTS seals are heat-shrinkable molded parts for moisture-sealing applications where cable enters enclosures, such as cabinets or connection boxes. They are pre-coated with a thermoplastic adhesive that seals around the entering cable, and

an O-ring creates the water/air seal at the cabinet entry.

CFTS seals are suitable for environments that have existing periodic pressure difference and/or temperature differential.



### FEATURES

- Provides environmental seal and strain relief via heat activated adhesives
- Elastomeric 'O' ring with each part to accommodate irregularities on panel
- Operating temperatures -55°C to 135°C

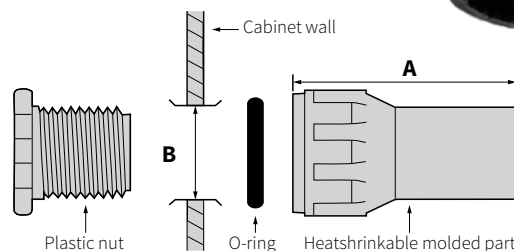
- Rigid plastic protects the entering cable from abrasion or cut-through when inserted through the cabinet wall

### APPLICATIONS

- Sealing of bulkhead, equipment box and panel penetration

Cat No.	Cable Diameter (mm)	Length A (mm)	Recommended Hole Size B (mm)
CFTS-1	5-10	70	25
CFTS-2	6-17	70	25
CFTS-3	14-25	95	35
CFTS-4	20-37	114	51
CFTS-5	37-61	178	89

**Note:** Cabinet wall thickness of 5mm is recommended





## OPTIONAL 316 STAINLESS STEEL & GEOMET 321 COATED COMPONENTS FOR COASTAL APPLICATIONS.

RBK disconnectors can come with **316 Stainless Steel** & **GEOMET® 321** coated components in place of the plated components, providing high corrosion resistance for coastal environments – ask us for more info.

The Pro series of RBK switch disconnectors is designed for the distribution of electricity and protection of electrical equipment against short-circuits and overloads with industrial fuse links, & is suitable for installation in low voltage distribution boards, cable and metering cabinets.

### HIGH QUALITY MATERIALS

- Thermoplastic parts made of fibre glass strengthened polyamide with halogen-free flame retardant added and with the highest possible flammability class -V0
- Three pole main base with spring-loaded contacts designed for connection of circular or sector-shaped conductors
- Conductors with lug terminals or bars
- Removable cover with fuse links
- Arc chutes with steel deionization plates over top contacts
- Silver plated contacts provide low power loss

### MOUNTING

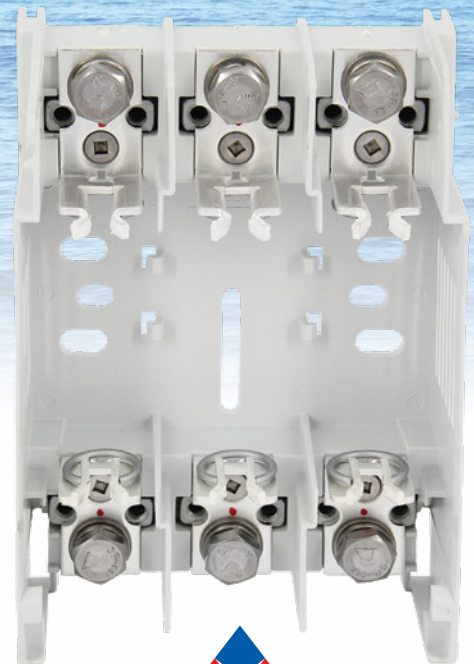
- On mounting plate
  - RBK 00 Pro
  - RBK 1 Pro
  - RBK 2 Pro
  - RBK 3
- On double DIN rail
  - RBK 00 Pro

This range conforms to EN 60947-1, EN 60947-3, IEC 60947-1 and IEC 60947-3 standards.

Models for Din 000 size available.



## RBK HORIZONTAL



**APATOR**

Vertical disconnects also available.



## SHEAR-LOK

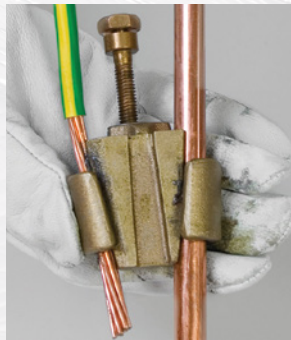
AMP developed the SHEAR-LOK Copper Tap/Grounding Connector for applications in the power utility industry where connectors are required to withstand mid-range magnitudes of fault current (20kV symmetrical RMS).

SHEAR-LOK connectors utilise AMP Wedge Pressure Technology and controlled-torque-drive bolts to provide easily applied and highly reliable ground rod connections. This family of connectors is ideal for HV applications where connections must be made between conductor and rod.

### KEY FEATURES

- Wedge Pressure Technology
- Shear-head bolt for controlled torque
- Removable without conductor damage
- No special tools required
- Application not inhibited by disfigured ground rod end
- Taps into existing ground conductors

+UL Listed file # E69905



Cat No.	Connections
0-80408-2	25MM <sup>2</sup> – 13MM ROD/35MM <sup>2</sup> – 13MM ROD
0-83000-1	50MM <sup>2</sup> – 13MM ROD/70MM <sup>2</sup> – 13MM ROD

AMP

TE  
connectivity

## WRENCH-LOK

The WRENCH-LOK System uses a specially designed shear-head bolt to drive a tapered wedge into the connector body.

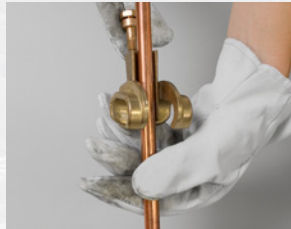
All that's needed to apply it is a common ratchet or socket wrench. When the connection is tightened to the proper torque, the bolt head shears off, giving a positive visual indication of a perfect connection. It's that simple and sure.

WRENCH-LOK connections can be installed in any weather conditions and are very safe for the installer. This product line offers options to connect conductor to conductor or conductor to ground rod.

WRENCH-LOK meets the requirements of IEEE 837.

### KEY FEATURES

- Shear-head bolt for controlled torque
- No special tools required
- No need to change connector styles, molds or tooling
- Available in a range of sizes
- Cable to Cable, Rod to Rod, & Cable to Rod connections
- 4 sizes cover 35-120mm<sup>2</sup> connections



+UL Listed file # E69905



Cat No.	Connections
0-83749-1	35MM <sup>2</sup> – 13MM ROD/50MM <sup>2</sup> – 13MM ROD
0-83747-3	35MM <sup>2</sup> – 35MM <sup>2</sup> /50MM <sup>2</sup> – 50MM <sup>2</sup> /50MM <sup>2</sup> – 70MM <sup>2</sup>
0-83749-2	50MM <sup>2</sup> – 13MM ROD/70MM <sup>2</sup> – 13MM ROD
0-83748-2	95MM <sup>2</sup> – 13MM ROD/120MM <sup>2</sup> – 13MM ROD

AMP

TE  
connectivity



All **Genuine WRICON** products are clearly labelled. **BEWARE** of imitations!



## IF IT DOESN'T SAY WRICON IT'S NOT

The WRICON EARTHING SYSTEM provides the means to locate the entire system completely within the structure thus providing a location away from any

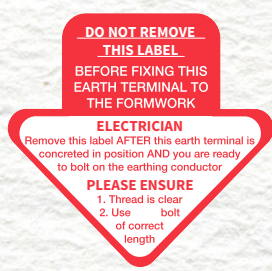
possibility of accidental damage or unauthorised disconnection. Safe and effective electrical earthing is the essential requirement of electrical installations and the use of

reinforced concrete foundations is an excellent method of achieving this aim. All WRICON products are made in New Zealand using only **Genuine CADWELD** connections.

**ALL GENUINE WRICON**  
Brass head plates have description including cable size plus internal thread protection

**ALL GENUINE WRICON**  
lugs have an information decal outlining important instructions for the installer

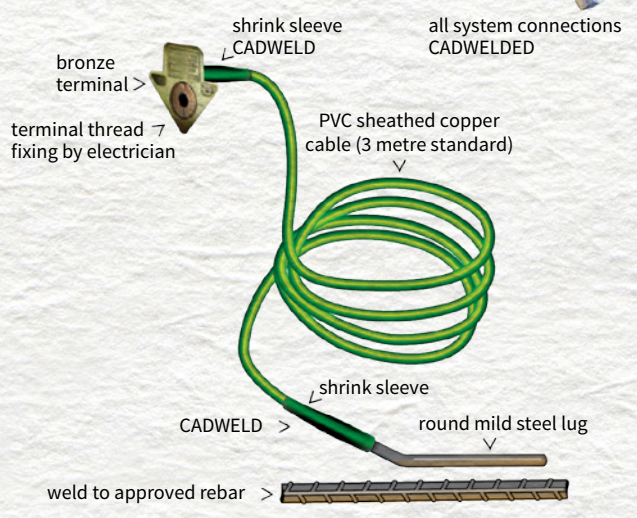
**ALL GENUINE WRICON**  
Terminal Plate Necks are made from electrical grade bronze that has been tinned



## EXOTHERMIC CONNECTION

The core component of the WRICON system is the CADWELD exothermic connection utilised to transition the concentric conductor to both the tin plated head of the terminal plate and the round steel lug used to attach to the rebar. The mass created with any Cadweld connection is always greater than any individual component and therefore provides a permanent and indestructible path for any fault current.

## COMPLETE SYSTEM



The system can be installed easily, simply and professionally by contractors on site in the form of an arc welded connection to the reinforcing mesh.

The WRICON Earthing System earth lead is safely cast within the concrete and cannot be severed by other trades on site. CADWELD welded connections (unlike compression connections) do not deteriorate nor increase in resistance over time. The insulated earth lead incorporated in the WRICON Earthing System prevents galvanic corrosion and high resistance joints.

WRICON meets the requirements of all relevant standards.

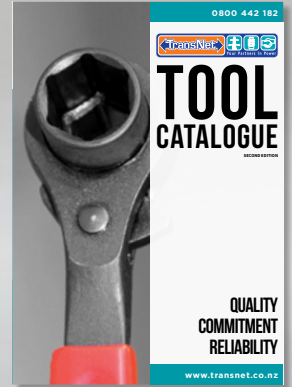


CONTACT YOUR REP FOR A COPY OF THE NEW WRICON BROCHURE





## HAVE YOU GOT A COPY OF THE TRANSNET TOOL CATALOGUE?



### HAUPA RATCHET CUTTER

#### FEATURES

- Easy cutting due to the combination of ratchet transmission and long handles
- Impact resistant coated and hardened handles
- Surface-grinded blades made up of high-coated steel
- Blades releasable at any point during cutting
- 45mm & 300mm<sup>2</sup> max. wire cross sections
- All parts replaceable
- Length 430mm

**200199**

### SWA STEEL ARMoured CABLE STRIPPER

#### FEATURES

- FAST – 50% quicker than traditional methods
- EASY – No hacksaw! – No knife! Perfect finish every time
- SAFE – NO blades – Complies with on-site H&S regulations
- HIGH QUALITY – 3 year guarantee [excludes cutting wheel]
- STRONG – Metal alloy body
- Long lasting hardened steel alloy cutting wheel
- Wide stripping capacity [12–36 mm diameter]
- Use at heights – Tethering hole for lanyard

**SACS**





## CW CAPTIVE COMPONENT GLAND FOR SWA & ALUMINIUM ARMoured CABLES



### FEATURES

- For indoor and outdoor use
- Two piece handling, no loose parts
- Freely rotating captive cone and cone ring, providing an armour clamp and earth bond without twisting the armouring
- Patented disconnect armoured clamp system for ease of inspection
- Provides a seal on the outer sheath of the cable sealing to IP66
- Precision manufactured from high quality brass and nickel plated. Complete with high quality brass locknut. Also available in Aluminium and Stainless Steel

### TECHNICAL DATA

GLAND MATERIAL	Brass (Nickel Plated) BS 2874, EN 12164 Aluminium ASTM B221, Stainless Steel 316
SEAL MATERIAL	Thermoplastic Elastomer
CABLE TYPE	Steel Wire Armour / Aluminium Armour Wire
ARMOUR CLAMPING	Captive Rotating Cone
SEALING AREA	Outer Sheath
OPTIONAL ACCESSORIES	Shroud, Adaptor/Reducer, Locknut, Earth Tag
INGRESS PROTECTION	IP66
OPERATING TEMP	-30°C to 130°C
STANDARDS	ANZS 3000, BS6121-5, BS 7671, BS 7430, IEC 60364-5-54, SANS 0142

### FEATURES

- For use indoors, outdoors and hazardous areas. Two part handling, no loose parts
- Captive Cone and Cone Ring provides and armour clamp and earth bond for steel wire, aluminium, braid and tape armour
- Precision manufactured from high quality brass (electroless nickel plated) or stainless steel. Patented disconnect system that allows inspection of armour clamp and inner seal after assembly
- Factory fitted captive elastomeric seals for built-in safety™. Seals on both inner and outer sheaths to IP66/68
- Complete with sealing gasket and an end cap/safety gauge for correct gland selection

### TECHNICAL DATA

GLAND MATERIAL  
Brass (Electroless Nickel Plated)  
or Stainless Steel

SEAL MATERIAL  
Thermoset Elastomer

CABLE TYPE  
Steel Wire, Aluminium,  
Braided and Tape Armour

ARMOUR CLAMPING  
Captive Cone and Cone  
Ring

SEALING AREA  
Inner and Outer  
Sheath

OPTIONAL  
ACCESSORIES  
Adaptor, Earth Tag,  
Locknut, Reducer,  
Serrated Washer,  
Shroud

OPERATING TEMP  
-20°C to +95°C

CERTIFICATION  
Australian/New  
Zealand/IEC  
IECEX ITA 14.0008X  
IEC 60079-0, IEC  
60079-1, IEC 60079-7,  
IEC 60079-15, IEC  
60079-31



## E1EX-U CAPTIVE CONE GLAND FOR MULTI-ARMoured CABLE



# RATIO SHORE POWER MP SERIES

## Waterproof Connection System



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**A waterproof, stylish, and approved shore power connection system for your boat**

Ratio Electric has designed the MP 16 (16A/250V), MP32 (32A/250V) and MP50 (50A/250V) system to offer a waterproof, stylish and approved shore power connection system for your boat.

The system is based on the world standard for outdoor connections (the IEC 60309) and features a boat inlet and a mating connector (moulded or assembled).

### STAINLESS STEEL INLET

The MP16, MP32 and MP50 inlets are available in solid cast marine grade 316 stainless steel and include an easy locking waterproof cap.

The requirements for installation of electrical systems on craft of hull length up to 24m are specified in the ISO 13297 standard. MP16, MP32 and MP50 inlet will not accept standard CEE couplers.

### CABLE CONNECTORS

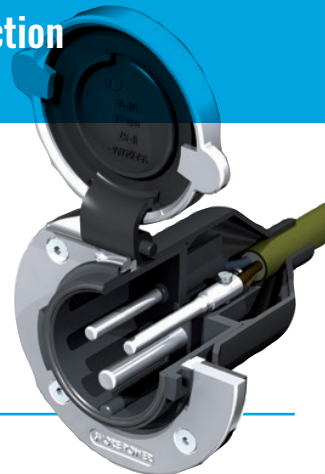
The MP16 and MP32 cable connectors are available in a moulded watertight version as well as an assembly (rewireable) type. The MP50 cable connector is only available in an assembly version. All types include a weatherproof sealing cap to ensure CE compliance.

#### MOULDED CONNECTOR

- LED power indication
- Watertight moulded construction
- 16A and 32A version

#### ASSEMBLY CONNECTOR

- Weatherproof marine construction
- Easy assembly
- 16A, 32A and 50A version



### SHORE POWER 16A KITS

**RSP16AKITECO** **\$345.82**

16A Economy kit with white polyamide IP56 inlet, 10m 1.5mm<sup>2</sup> IP67 lead, & carry bag

**RSP16AKITSS** **\$389.37**

16A kit with 316 Stainless Steel IP56 inlet, 10m 1.5mm<sup>2</sup> IP67 lead, & carry bag

**Ratio**  
**ELECTRIC**

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