Penetrating Earth
Rail / Tower Clamp

ELECTRICAL+INDUSTRIAL | TOOLS+TECHNOLOGIES

TMAC™ THEW & McCANN GROUP

ACTIVE INNOVATION

SINCE 1949

BEFORE YOU START

Read and understand this guide before operating this equipment. This guide must be kept for future reference with the product supplied.

The TMAC Penetrating Earth Clamp is to be used only by qualified personnel and must be used in conjunction with the user's own working and safety procedures, without compromising the integrity of the TMAC product supplied.

Follow all safety instructions contained within this guide.

QUALIFIED PERSON

A qualified person is one who is familiar with the installation, construction, operation or maintenance of the equipment and the hazards involved. In addition this person is competent, trained and authorized to undertake the work involved in accordance with established safety and working procedures.

GENERAL INFORMATION

The TMAC Rail/Tower Clamp is for use on rail or steel up to 25mm. It will cut through any surface rust and make reliable contact.
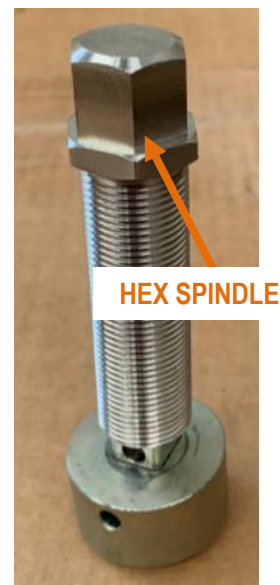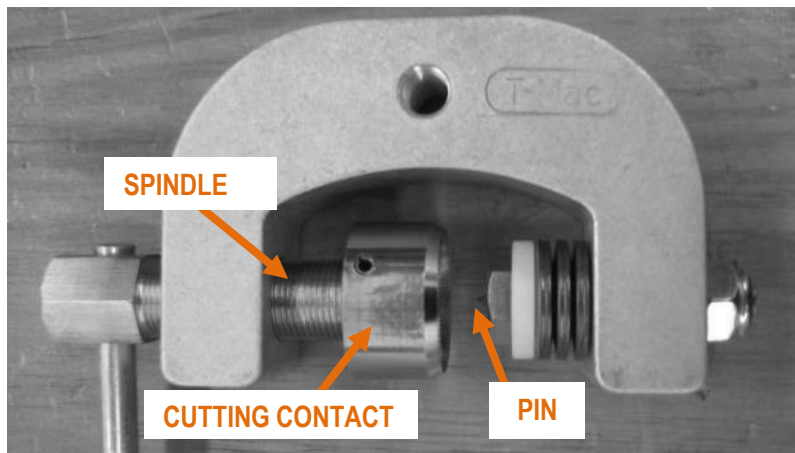
SPECIFICATION

Conductor Range: **2-25mm**	Min Application Torque: **60Nm**
Max Fault Rating on Tower/Parallel Profile: **25kA/0.5 Sec**	Max Fault Rating on Rail/Angled Profile: 25**kA/0.5 Sec**
Peak Test Factor: **2.5**	Material: **Aluminium**

BEFORE USE

- Check the cutting contact is clean, free from contaminants and has no damage;
- Check that the spindle turns freely and that there is no damage to the thread;
- Check that there is no damage to the pin and the point is sharp.

❗	**Do not use the clamp if any component is faulty or damaged.**

OPERATION

1. Clean contact surface with a wire brush before application (Figure. 1);
2. Place clamp over earthing point and tighten until the cutting contact just starts to embed into the surface (Figure. 2);

Figure 1   Figure 2

3. Move the 'T' handle about 180deg in a back and forth motion (Figure. 3), or drive the 'HEX' version on and off (Figure 4); to cut through any rust;
4. Slightly tighten the clamp and repeat Step 3**. Repeat the action at least 3 times** (this will ensure reliable contact with the metal surface of the earthing point);
5. Then ensure the clamp is firmly tightened to 60Nm. If using the hex spindle, the recommended tool is a calibrated and in date Torque Wrench and a 19mm socket.
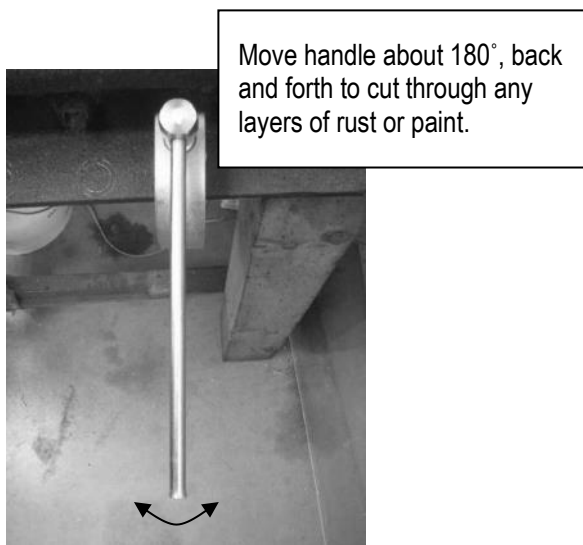

Move handle about 180˚, back and forth to cut through any layers of rust or paint.

Figure 3

Figure 4

REPAIR

The end user must not repair or modify any component associated with this device without written permission from TMAC.

If repair is required, contact TMAC.

TMAC

45 Enterprise St Cleveland

QLD 4163 Australia

Tel: (+61) 07 3826 6000   http://www.tmacgroup.com.au/

DEFECTS / WARRANTY

DEFECTS

Goods are warranted to be free from defects. Provided they have been used strictly as recommended and subjected only to fair wear and tear, Goods (including parts within) which are found to be defective within 90 days after delivery to the Buyer will be repaired or replaced at the option of the Seller and at its expense. Repair or replacement by the Seller is the exclusive remedies of the Buyer.

WARRANTY

To the maximum extent permitted by law, the Seller makes no warranties, either express or implied, as to merchantability, fitness for purpose or otherwise with respect to the Goods other than in paragraph above and as required by statute. The Seller is not liable for any prospective profits or special, indirect or consequential damages or any general loss or damage, or for any expense resulting from use by the Buyer or others of defective Goods. The Seller's liability is limited to no more than the sale price of the Goods plus replacement delivery charges. Prior authority for the return of goods is required by the seller.

Please contact the seller by email sales@tmacgroup.com.au, phone 07 3826 6000 or fax 07 3826 6066 for claims related to defective / warranty of goods provided.

FOR THE FULL TERMS AND CONDITIONS PLEASE REFER TO TMAC "STANDARD TERMS OF TRADE"