

## PRODUCT DESCRIPTION

The **Power Feed connection kit** is a specialized component used in cathodic protection systems to establish a safe and efficient electrical connection between the power source and the CP system. **Power Feed** allows the transfer of direct current from the power supply to the anode or anode bed, helping to mitigate corrosion of metal structures.

**Power Feed** is recommended for power connections in under-tank mesh anode systems. The **Power Feed** connector links the DC power cable to the titanium conductor bar.

## PROPIEDADES:

<b>Titanium conductor bar :</b>	12.7 mm x 0.99 mm x 200 mm de longitud.
<b>Cable dimensions :</b>	Cable 8 estándar (otros tamaños según solicitud)
<b>Cable type :</b>	HMWPE (cable estándar, otros tipos según solicitud)
<b>Cable encapsulation :</b>	Mediante soldadura autofundente y sello de seguridad.
<b>Current capacity :</b>	40 Amperios - 75 ° C.

## APPLICATION INSTRUCTIONS

The **Power Feed** connection should always be made to a conductor bar and never to an anode. Depending on the tank's diameter, one should be connected in the center, and the others in the quadrants of the circle formed by the tank's bottom. Therefore, it is necessary to also install conductor bars parallel to the anodes.

Weld points should be made approximately every  $\frac{3}{4}$ " along the entire length of the titanium conductor bar that forms the **Power Feed**. To prevent movement of this sheet during field installation, a pair of locking pliers can be used.

The **Power Feed** is designed for direct burial due to its ease of connection to the mesh formed by the conductor bars using spot welding. However, for greater durability and because many connections in the past have failed due to poor spot welding in the field, it is recommended to apply Scotch 23 self-fusing tape after the field connection and finish with 3M Scotch 33.

It is recommended that field personnel have extensive experience in installing titanium meshes to ensure the quality of the work.

## ORDER INFORMATION.

Specify the length and type of cable, usually HMWPE is the standard cable..

## ENVIRONMENTAL PROTECTION

Dispose of according to local regulations. Avoid disposal via drains or watercourses to prevent waste accumulation in aquatic environments.

## TECHNICAL SUPPORT

For any technical questions regarding the use of our products, let us assist you by contacting our technical sales department. Get in touch with us, we have NACE-certified cathodic protection professionals ready to support you in product selection.

## WARRANTY AND LIMITATION OF LIABILITY

**TECNOLOGÍA TOTAL** will not, under any circumstances, be responsible for any damages of any kind that may arise from the improper use of the product. Before use, the user must determine whether the product is suitable for the intended use, assuming all risks and responsibilities that may arise from its use.

If it is proven that a product is defective due to materials or manufacturing at the time of sale or does not meet the indicated properties during the warranty period, **TECNOLOGÍA TOTAL**'s sole responsibility will be to replace the quantity of defective product. **TECNOLOGÍA TOTAL** assumes no responsibility for any additional costs such as manufacturing, removal, or re-application costs of the products. If **TECNOLOGÍA TOTAL** offers its client an express or implied warranty or compensation that differs from those established in this technical sheet, such a stipulation can only be altered by a signed agreement between the parties.

