UTP Nautica Cut

Underwater cutting electrode

Classifications

-

-

Characteristics and typical fields of application

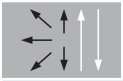
UTP Nautica Cut is a special electrode for cutting, drilling and beveling of metallic materials in a wet environment. Ideal tool and aid for maintenance and repair work under water. The coating respectively the arc develops high gas pressure sufficient to blow the molten base metal out of the kerf.

Neither compressed air nor an additional gas or a special electrode holder is required, so that standard underwater welding equipment can be used. The electrode is easy to ignite. Due to its high current carrying capacity, very clean cuts can be achieved even with thicker materials (max. 10 to 12 mm). The cut surfaces are very even and smooth-walled, so that subsequent welding can be carried out without further seam preparation.

Base materials

Applicable for steel, cast iron and all metals except pure copper.

Operating data



Polarity	DC –

Dimension mm	Current A
3.2 × 450	200 – 300

For cutting, place the electrode on the edge of the workpiece and ignite the arc. After the base material has melted in the area of the ignition point, start immediately with a sawing up and down movement. The electrode must be guided in the respective cutting direction. With thicker material, the process must be repeated until the desired cutting depth is reached.

Drilling a hole is also very easy. After the arc has been ignited, the base material is melted in the area of the ignition point and the electrode is then pressed into the molten metal (puncture hole). With a sawing movement, the hole can be enlarged as desired.

Approvals

-