

## UNDERWATER CUTTING SOLUTIONS

Underwater cutting services on ships are mainly applied in the case of deformed blades, to ship wrecks going for scrap, to plates or pieces of plates needing replacing.

**BEVALDIA (Manager of the branches PSOMAKARA & GAMSRO)**, with a many year experience in underwater cutting and specially trained divers who have excellent technical knowledge and extensive experience guarantees a high quality and fast result.



### OXYGEN - ARC CUTTING

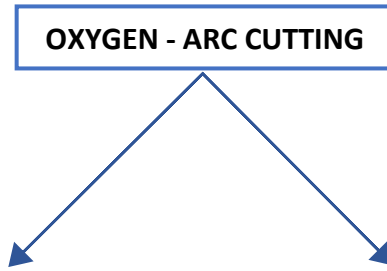
#### Advantages of the Steel-Tubular Electrodes

- ✓ Metals up to 2 inches in thickness can be cut.
- ✓ Cutting is performed rapidly.
- ✓ Neat, trim, narrow cuts are produced.
- ✓ The power required is within the capacity of a 400-ampere welding power supply.
- ✓ There is less electrode waste because the electrode must be in constant contact with the metal being cut to sustain an arc.

#### Disadvantages of the Steel-Tubular Electrodes

- ✓ The burning time of the electrode is short (approximately one minute).
- ✓ Requires good visibility because it produces a narrow gap.
- ✓ A welding machine is required.
- ✓ Higher amperage requirement

<b>BEVALDIA</b> (Headquarters) 124, Kifissias Ave. 15125, Maroussi Athens, Greece Tel.: (+30)2104001120 (+30)2104004470 (+30)2109582176	<b>GREECE</b> Piraeus, Chios Thessaloniki Kavala Alexandroupoli Neapoli-Vatika, Kali Limenas Corfu Kalamata Patra, Laurio Ag. Theodori Elefsina Chalkida Rhodes Drepano Korinthos	<b>TOGO</b> Lome	<b>TURKEY</b> Istanbul Canakkale Iskenderun	<b>CYPRUS</b> Limassol Larnaca	<b>ALBANIA</b> Detar Sarande	<b>BENIN</b> Cotonou	<b>CHINA</b> Rizhao Shanghai Hong Kong Qingdao Lianyungang	<b>CONGO</b> Pointe Noire	<b>DJIBOUTI</b> Djibouti	<b>EGYPT</b> El Dekheil a Suez	<b>SINGAPORE</b> Aepa
<b>FRANCE</b> Marseille	<b>GHANA</b> Tema	<b>GUINEA</b> Conakry Kamsar	<b>INDONESIA</b> Balikpapan	<b>IV. COAST</b> Abidjan	<b>KOREA</b> Yeosu	<b>MEXICO</b> Lazaro Cardenas Manzanillo Punta Manzanillo Tuxpan	<b>PANAMA</b> Balboa	<b>SPAIN</b> Palma de Mallorca	<b>SENEGAL</b> Dakar	<b>TUNISI</b> A Tunis Sfax	



**Advantages of Exothermic Electrodes**

- ✓ They will cut thin metal when the power is off.
- ✓ Cutting is performed rapidly.
- ✓ They will cut all ferrous and non-ferrous metals.
- ✓ They are applicable to all metal thicknesses.
- ✓ The power required is within the capability of a 200-ampere welding power source.
- ✓ A 12-volt battery can be used as an ignition source.

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