Heat Resistant Steel

Self-shielding Stainless Steels

Weather Resistance Steel

Mild Steel & Low Alloy

Heat-Resistant Steel

Hard Facing

FCAW (Flux Cored Wire)

- E70T-1
- E71T-8C
- E81T1-Ni1
- E91T1-K2C

- YJ502CrNiCu

- E71T8-K6
- E71T8-Ni1
- E70T-4

- E71T-11
- E71T-GS
- E81T5-B2
- E90T5-B3
Mild Steel FCW

E71T-1 has been approved by ABS, CCS, BV, NK, GL, LR, DNV, KR, RINA and RS. The content of diffusible hydrogen in the deposited metal reaches 3.0 ml/100g, which significantly avoid the cold cracking and porosity. It has better yield point and impact toughness at low temperature.

E71T-9JC impact toughness can reach 100J at -40°C

Hard Facing FCW

Hard facing FCAW include gas shielded FCAW, Self-shielded FCAW, submerged FCAW. They are used in hard facing of oil drill pipe, rollers, wear-resistant composite plate etc. The HRC of some of them can be more than 50
Low Alloy Steel FCW

**E81T1-Ni1** Titanium oxide type slag system. It has very good impact toughness and suitable mechanical properties at low temperature. Used for welding structure parts with low temperature requirements, such as ships, ocean engineering, bridge, storage tank, etc.

Heat Resistance FCW

**E81T1-B2C** can be used for boiler, pressure vessels, oil tanker etc.

Stainless Steels FCW

**E308LT1-1**, **E309LT0-1**, **E316LT0-1**, **E347T1-1**
We are specialized in stainless steel FCAW. These items are with low spatter, excellent processing, high-efficiency welding and have a good reputation in domestic and foreign countries.
WELDING MATERIAL
- STICK ELECTRODES
- WIRE & FLUX COMBINATION
- SOLID WIRE
- FLUX CORED WIRE

READ MORE
Direct-reading Spectrometer

**Features:**
Apply to rapid quantitative analysis of chemical element in metallic materials

**Applications:**
Furnace front testing analysis, incoming inspection, finished products testing, mixing identification, failure analysis.
Computer-controlled electro-hydraulic servo Universal Testing Machine

To test yield point, tensile strength and elongation of deposited metal.
Low temperature impact tester

To test the impact toughness of deposited metal, and the test temperature is from indoor temperature to -60°C.
Diffusion Hydrogen Tester

One of the reasons which caused the cold cracking in welded joints of carbon and low alloy steels is the high hydrogen content of the welding materials. Therefore, it is very important to determine the diffusion hydrogen content of the weld metal in the controlling of the cold cracking of the joints. Mercury test method for determination of hydrogen content has the advantages of accuracy and high reliability.
Hardness Tester

- Full-automatic Rockwell hardness tester
- Digital display brinell hardness tester
- Vickers hardness tester