

## ECOMIG Range (ER70S-6) welding wires

The **ECOMIG70** (ER70S-6) wires are manufactured by using selected rods from their chemical properties. The colour is shiny gold. The main difference from the traditional coppered wire is the specific chemical solution used in the bath process. combination of copper sulphate, zinc and stannum. Such mix releases a clearer weld bead than the standard copper wire and the exclusive manufacturing process allows to obtain the surface of the wire very compact and clean. The ECOMIG finds specific application in the robotic welding process with a very high power density as well as a high-speed drag.

Material	DIN	EN	ASTM
Steel for Shipbuilding	A,B,D,E,AH32,EH36		A131 / A106
Metal constructions	St33,St37-2,St52-3		A515 / A714 A283 / A285
Pressure vessels	HI, HII, 17Mn4, 19Mn5	P235GH - P355GH	A414 / A662 A372 / A369
Pipes	St35.8, St45.8 StE210.7TM-StE380.7TM	P235T1/T2 – P355N L210 – L360	A210 / A516 A255 / A333
Fine steel constructions	StE 255 – StE 380	S255 – S355	A350 / A612
Steel according to API-Standard	X 42		

Pre-heating at 150°C – 300°C Depending on plate thickness

### Strength

- **HIGH POWER DENSITY**

The special coating with the action of particular concentrations of the alloying elements of steel base, permit the use of the ECOMIG wires with maximum power density up to 25-30% over normal copper wires.

- **PERFECT STABILITY OF THE ARC**

The special production process and the lower amount of copper on the ECOMIG wire surface, allow minimum (almost Nil) spattering.

- **LOWER CONSUMPTION OF WIRE GUIDE-ROLLERS**

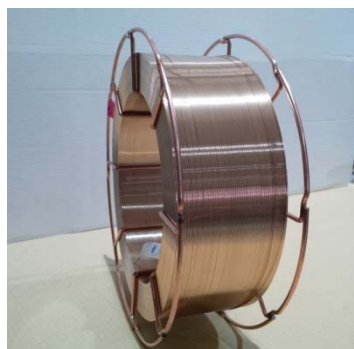
The user will experience a significant reduction in the consumption of tips and guide rollers. All this will lead to reduce maintenance costs and increase the welding productivity.

- **CLEANER WELD RESULT**

- **LONGER RESISTANCE AGAINST CORROSION**

The ECOMIG wires are available in any type of spool and Bulk Pack for mild steel and low alloy wire

ECOMIG70 Welded Sample: without cleaning (As welded)



Yours Faithfully  
**ECOWELD**  
Research & Development Department  
Italy