

# STELLOY 6-G

For Welding Professionals



**The most popular cobalt based solution for resistance to abrasion and corrosion**



STELLOY 6-G is a gas shielded metal cored wire. It provides all of the outstanding properties offered by cobalt based alloys, as well as abrasion and erosion resistance.

This wire can be used for a wide range of applications such as; petrochemical and industrial valves, valves and valve seats of marine engines, pump sleeves and shafts, as well as hot shearing tools.

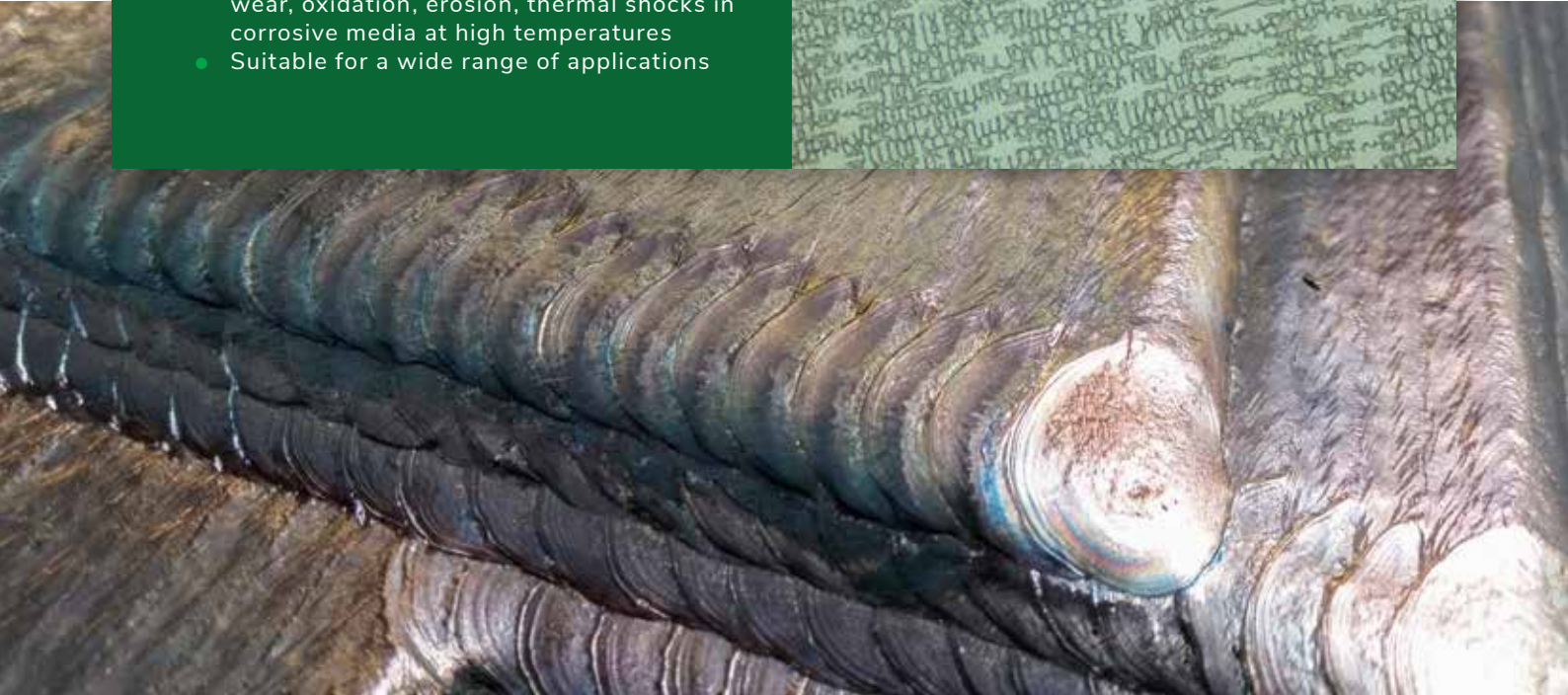
The wire produces a moderate hardness deposit that has good machinability.

By adjusting the carbon content of this cobalt grade, Welding Alloys has also developed two special wires:

- STELLOY 6BC-G to reduce the risk of cracks
- STELLOY 6HC-G to achieve the desired hardness from the first layer

## Why choose this solution?

- Semi-automatic, automatic or robotic process
- Outstanding weld appearance
- Consistent weld deposit
- Maintains hardness in elevated temperatures and can be machined
- Exceptional resistance to metal-to-metal wear, oxidation, erosion, thermal shocks in corrosive media at high temperatures
- Suitable for a wide range of applications



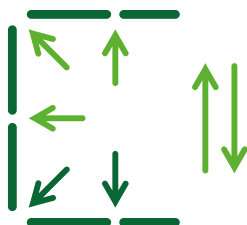
## Product Details

**Classification:** EN 14700: T Co2  
AWS A5.21: ERCCoCr-A

**Available Diameter:** 1.2 mm, 1.6 mm, 2.4 mm

**Hardness:** 42 HRC (as welded, three-layer deposit)

**Welding Positions:**



Out of position welding also possible using short circuit or pulsed arc modes of transfer



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