

STELLOY 6 TIG

CLASSIFICATION

EN 14700: TCo2
 DIN 8555: MSG20-GF-40-CTZ
 ASME IIC SFA 5.21 / AWS A 5.21: ERCCoCr-A

DESCRIPTION

- Cobalt base tubular wire for gas tungsten arc welding
- Produces weld beads with a minimum level of slag related islands
- Also applicable with MIG process
- Exceptional resistance to metal-to-metal wear in corrosive media at high temperatures, to erosion and to thermal shocks

APPLICATIONS

Stelloy 6 TIG is used for hardfacing parts undergoing the single or combined effects of metal-to-metal wear, abrasion, temperatures ranging from RT to 800°C, impact and corrosive environments.

TYPICAL ALL-WELD METAL ANALYSIS

C	Mn	Si	Cr	W	Fe	Co
1.05	1.00	1.00	29.00	4.50	4.00	Bal.

Structure: chromium and tungsten carbides in an austenitic type matrix.

TYPICAL ALL-WELD METAL MECHANICAL PROPERTIES

Hardness:

Three layer deposit on mild steel: 42 HRc

Hardness at high temperatures

+20°C	200°C	400°C	600°C	800°C
420 HB	360HB	330 HB	240 HB	140 HB

WELDING POSITIONS

Flat, half up, half down

STANDARD DIAMETERS (mm)

1.2, 1.6 mm

Other diameters: please consult us

PACKAGING	
Diameter	1.2 - 1.6 mm
Standard packaging [EN ISO 544]	Spool: BS 300
Weight	15 kg