TH 801

TIG Welding Wire - Hardfacing Applications

Standards

AWS/ASME SFA - 5.21	ERCoCr-C
EN 14700	T Co3
TS EN 14700	T Co3
DIN 8555	WSG 20-GO-55-CSTZ

Properties and Applications

Co-Cr-W alloy GTA (TIG) welding rod for hardfacing applications. Weld metal has got high resistance to metal-to-metal wear, corrosion and high temperatures from 500°C to 900°C. Resistant to low and medium level of mechanical and thermal shocks, due to its high hardness. Widely used for hardfacing of wire guides, rolling mill guides, extrusion dies and screws, valve seats, mechanical parts of steam turbines, cement screws, continuous casting dies and parts, pump tubing and shafts, mixes blades, wood saws.

Typical Chemical Features of the Welding Wire

Type of Analysis	C	Si	Mn	Cr	Ni	W	Fe	Co
Welding Wire	2.30	1.00	0,50	30.00	2.20	12.50	2.50	49.00

Typical Mechanical Values of Weld Metal

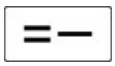
Test Condition	Protection Gas	Hardness (HRc)
As welded	I1	55

* Chemical compositon and mechanical properties are valid when using shielding gas EN ISO 14175 - I1 (%100 Ar) .

Application Information

Welding Positions

Polarity:



Protection Gas:

I1

Welding Parameters & Efficiency

Diameter x Length (mm)
3.20x1000
5.00x1000

Packaging Information

Product Code	Diameter x Length (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
28101LBKM2	3.20x1000	5 kg	5.30	4	21.40	Cardboard Tube
28101NBKM2	5.00x1000	5 kg	5.30	4	21.40	Cardboard Tube

Storage & Re-Drying Information

Shouldn t be exposed to high statical load and impact.
It should be stored in a dry room (relative humidity < 50%, room temperature > 20°C) on wooden pallets.