

T CARBIDE 3000

TIG / Oxy-acetylene Welding Rod - Hardfacing Applications

Standards

EN 14700	T Ni20
TS EN 14700	T Ni20
DIN 8555	G 21-UM-55-CG

Properties and Applications

Flexible rod for hardfacing by oxy-gas welding. Consist of a small diameter pure nickel core wire thickly coated tungsten carbides in a Ni-Cr-B-Si matrix. The weld metal is a heterogeneous metal composed of tungsten carbides (W₂C, WC) distributed in a hard and tough matrix. Shows extremely high abrasion resistance. It has got a quiet melting and good wetting. Especially used for hardfacing of mixers, crushing mills, die blades and heads, sand foundry equipment, drilling tricones.



Typical Applications



Typical Chemical Values of Weld Metal

Type of Analysis	C	Si	Cr	Ni	W	B
Weld Deposit	2.50	1.30	2.60	33.00	60.00	0.60

Typical Mechanical Values of Weld Metal

Test Condition	Matrix (HRC)	W ₂ C, WC (HV)
As welded	40-45	3000

Application Information

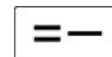
Welding Positions



Welding Parameters & Efficiency

Diameter x Length (mm)
5.00x450

Polarity:



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
28131SVKM2	5.00x450	3 kg	2.80	4	11.40	VAC Box

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.
It has to be dried at 150°C for 1 hour.

