UTP A 3545 Nb

TIG rod, high-alloyed, nickel-base, heat resistant

Classifications

EN ISO 14343-A	EN ISO 18274
W Z 35 45 Nb	S Ni Z (NiCr36Fe15Nb0.8)

Characteristics and typical fields of application

Nickel-base TIG rod of W Ni Z (NiCr36Fe15Nb0.6) type for joining and surfacing of heat resistant steels and cast steels of the same or similar chemical composition. Resistant to scaling up to 1180ºC. Typical alloy for welding of pyrolysis furnace tubes.

Base materials

GX45NiCrNbSiTi45-35

Typical analysis

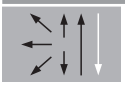
	C	Si	Mn	Cr	Ni	Nb
wt.-%	0.42	1.5	1.0	35	45.5	0.8

Mechanical properties of all-weld metal - typical values (min. values)

Condition	Yield strength $R_{p0.2}$	Tensile strength R_m	Elongation A (L_0=5d_0)
	MPa	MPa	%
u	≥450	≥650	≥8

u untreated, as-welded – shielding gas Ar

Operating data



Polarity	DC-
Shielding gas (EN ISO 14175)	I1

Dimension mm
2.0 × 1000
2.4 × 1000
3.2 × 1000

Approvals

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All information provided is based upon careful investigation and intensive research.
However, we do not assume any liability for correctness and information is subject to change without notice.