



CEWELD 35-45Nb Tig

TYPE	Solid wire for heat-resistant cast stainless steels with a similar composition. (Type 3545, 1.4889)										
APPLICATIONS	CEWELD 35-45 Nb is for joint and build-up welding on identical and similar, highly heat-resistant cast alloys (centrifugal casting, die casting), such as GX-45NiCrNbSiTi45 35. Mainly used for cast parts for reformer and pyrolysis furnaces.										
PROPERTIES	The weld metal of the CEWELD 35-45Nb can be used in a low-sulphur, carbon-enriching atmosphere up to 1175°C and has excellent creep resistance and good resistance to carburization and oxidation. No preheating or post heat treatment is necessary. Pay attention to low heat input and the interpass temperature should be limited to max. 150 °C.										
CLASSIFICATION	AWS	18274: S Ni Z (NiCr36Fe15Nb0,8)									
	EN ISO	14343-A: W Z 35 45 Nb									
	W.Nr.	~ 1.4889									
SUITABLE FOR	1.4898, GX45NiCrNbSiTi45-35 Parralloy H46M, Centralloy ET45, Lloyds T80, Lloyds T75MA, Manaurite XT/XTM, E3545Nb-MA										
APPROVALS	CE										
WELDING POSITIONS	     										
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	Cr	Ni	Mo	Nb	Cu	Ti	Al	Fe
	0.04	1.43	0.97	34.98	45.65	0.02	0.78	0.009	0.79	0.01	15.2
MECHANICAL PROPERTIES	Heat Treatment			R _{P0,2} (MPa)		R _m (MPa)		A ₅ (%)		Hardness	
	As Welded			460		690		10		HRc	
REDRYING	Not required										
GAS ACC. EN ISO 14175	I1										



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35-45NB TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663416216