

CEWELD NiCro 625

ТҮРЕ	Mig welding wire for Inconel 625									
APPLICATIONS	CEWELD® NiCro 625 is developed for welding and cladding nickel-based alloys such as alloy 625 or similar materials. This alloy can also be used for welding dissimilar nickel-based alloys to each other, to alloyed steels or to stainless steels and for joining 6% molybdenum super austenitic steels. Alloy 625 is most commonly used in the chemical processing industry, pollution control equipment, marine equipment, nuclear reactor components, pump shafts. Also used in the aerospace industry for thrust reverser assemblies, fuel nozzles, after-burners and combustion systems.									
PROPERTIES	CEWELD® Nicro 625 is a solid drawn wire that is cleaned in a very special way to obtain cleaner and higher quality welds, especially when used for the Hotwire Tig process intermediate cleaning between the layers can be skipped and results in a bright seam with excellent ductility. The cast and helix of this wire are kept above the EN standards to offer excellent wire feeding and a wire that comes straight out of the torch.									
CLASSIFICATION	AWS A 5.14: ERNiCrMo-3 EN ISO 18274: S Ni 6625 (NiCr22Mo9Nb) W.Nr. 2.4831 F-nr 43 FM 6									
SUITABLE FOR	Ni 6625 / NiCr22Mo9Nb / 2.4831 W.Nr: 1.4529, 1.4539, 1.4547, 1.4876, 1.4958, 1.5656, 2.4660, 2.4816, 2.4856, 2.4858, X1CrNiMoCuN20-18-7 - X10NiCrAlTi32-20 - X5NiCrAlTi31-20 - NiCr15Fe - NiCr22Mo9Nb - NiCr21Mo - X1NiCrMoCuN25 20 6 - X1NiCrMoCuN25 20 5 - NiCr21Mo - 8XNi9 ASTM: A 533 Gr1 UNS: S31254 - N08800 - N08810 - N06600 - N06625 - N08825 - N08926 - N08020 Alloy 254 SMO - Alloy 800 - Alloy 800H - Alloy 600 - Alloy 625 - Alloy 825 - Sanicro 28 - AL6XN									
APPROVALS	TÜV: 12400.0									
WELDING POSITIONS	PA PB PC PD PE PF									
TYPICAL CHEMICAL	C S	Mr	n Ci	r	Ni	Мо	Nb	Fe	Nb+Ta	
ANALYSIS OF THE FILLER METAL (%)	0.08 0.4	4 0.4	4 2 ⁷	1	63	9	3.8	3	3.8	
MECHANICAL PROPERTIES	Heat R _{P0,2} Rm A5 Impact Energy (J) ISO-V Hardness									
	Treatment	(MPa)		(%)	-20°C		-196°C		Hardness	
	As Welded	460	750	32	110		70		HRc	
REDRYING	Not required									

GAS ACC. EN ISO 14175 I1