



CEWELD E NiCro 625 HLS

TYPE Nickel based high recovery electrode

APPLICATIONS CEWELD® E NiCro 625 HLS is developed for 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, to stainless steels and for joining 9% Nickel steels.

PROPRIÉTÉS Latest generation high recovery type (170%) guarantees optimum deposit rate and metallurgical quality and attractive welder appeal in the PA-PB position. Very good resistance against pitting corrosion and crevice corrosion. Very good against acid, neutral or alkaline media, with or without chlorides. Very good resistance at high temperatures, especially against oxidation.

CLASSIFICATION

AWS	A 5.11: E NiCrMo-3
EN ISO	14172: E Ni 6625 (NiCr22Mo9Nb)
W.Nr.	2.4831 / 2.4621
F-nr	43
FM	6

CONVIENT POUR **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, B443, B444, B446

UNS: S31254 - N08800 - N08810 - N06600 - N06625 - N08825 - N08926 - N08020

Alloy 254SMO - Alloy 800 - Alloy 800H - Alloy 600 - Alloy 625 - Alloy 825 - Sanicro 28 - 6Mo

AGRÉMENTS

POSITIONS DE SOUDAGE



ANALYSE CHIMIQUE
TYPIQUE DU MÉTAL DE
SOUDURE (%)

C	Si	Mn	Cr	Ni	Mo	Fe	Nb+Ta	Nb
0.08	0.6	0.7	22	60	9	5	4	3.8

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
				RT	-196°C	
As Welded	455	795	37	78	60	HRC

ETUVAGE 300°C / 2 hr

GAS ACC. EN ISO 14175



CEWELD E NiCro 625 HLS

E Nicro 625 HLS 2,5 X
350MM

Packaging	KG/unit	EanCode
Can	2,27	8720663418746

E Nicro 625 HLS 3,2 X
350MM

Packaging	KG/unit	EanCode
Can	2,27	8720663418753

E Nicro 625 HLS 4,0 X
350MM

Packaging	KG/unit	EanCode
Can	2,27	8720663418760