



CEWELD E NiCro 625 HLS

TYPE Nickel based high recovery electrode. (Type 6625, ENiCrMo-3)

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.

PROPERTIES **CEWELD® E NiCro 625 HLS** have a 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. High recovery of 140%

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

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, 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

APPROVALS

WELDING POSITIONS



**TYPICAL CHEMICAL
ANALYSIS OF WELD METAL
(%)**

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

MECHANICAL PROPERTIES

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

REDRYING 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