



CEWELD E NiCr 625

TYPE Latest generation with vacuum-melted core wire, guarantees optimum metallurgical quality. (Type 6625, ENiCrMo-3)

APPLICATIONS CEWELD® E NiCr 625 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 NiCr 625 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.

CLASSIFICATION

AWS	A 5.11: E NiCrMo-3
EN ISO	14172: E Ni 6625 (NiCr22Mo9Nb)
W.Nr.	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

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

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

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	Cr	Ni	Mo	Fe	Nb+Ta	Nb
0.09	0.6	0.8	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	450	785	38	80	65	HRC

REDRYING 300°C / 2 hr

GAS ACC. EN ISO 14175



CEWELD E NiCro 625

E NICRO 625 2,4 X 300MM	Packaging	KG/unit	EanCode
	Can	2,27	8720663418777
E NICRO 625 3,2 X 356MM	Packaging	KG/unit	EanCode
	Can	2,27	8720663418784
E NICRO 625 4,0 X 356MM	Packaging	KG/unit	EanCode
	Can	2,27	8720663418791
E NICRO 625 4,8 X 356MM	Packaging	KG/unit	EanCode
	Can	2,27	8720663418807