

CEWELD Alloy 825

TYPE Solid Nickel based welding wire for gas shielded arc welding

ANWENDUNGEN The excellent corrosion-resistant properties of CEWELD Alloy 825 make the alloy a suitable choice for a variety of difficult applications. Uses include fabricated equipment found in chemical and petro- chemical processing, pulp and paper manufacturing, flue gas desulphurization systems and metal pickling operations.

EIGENSCHAFTEN Excelent weldability with fully austenitic weld metal with high resistance against stress corrosion cracking and pitting in media containing chloride ions. Good corrosion resistance against reducing acids due to the combination of Ni, Mo and Cu. Sufficient resistance against oxidizing acids. The weld metal is corrosion resistant in sea water.

KLASSIFIKATION

AWS	A 5.14: ERNiFeCr-1
EN ISO	18274: S Ni 8065(NiFe30Cr21Mo3)
W.Nr.	2.4858
F-nr	43
FM	6

GEEIGNET FÜR G-X7NiCrMoCuNb25-20, X1NiCrMoCuN25-20-6, X1NiCrMoCuN25-20-5, NiCr21Mo, X1NiCrMoCu31-27-4,
N08926, N08904, N08028, N08825 ALLOY 825
1.4500, 1.4529, 1.4539 (904L), 2.4858, 1.4563, 1.4465, 1.4577 (310Mo), 1.4133, 1.4500, 1.4503, 1.4505, 1.4506, 1.4531, 1.4536, 1.4585, 1.4586

ZULASSUNGEN

SCHWEISSPOSITIONEN



TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)

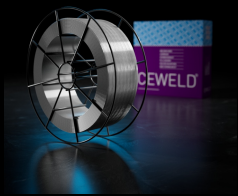
C	Si	Mn	Cr	Ni	Mo	Ti	Fe	Cu	Al
0.05	0.3	0.8	22	42	3	1	30	2	0.1

MECHANISCHE GÜTEWERTE

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V	Hardness
				-196°C	
As Welded	425	630	30	70	HRc

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175 I1



CEWELD Alloy 825

ALLOY 825 1,2MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663419064
BS-300	13,6	8720663419606