

Exaton NiCrMo-4

NiCrMo-4 is a low carbon nickel-chrome-molybdenum alloy of type alloy C-276. It is a versatile alloy with excellent wet corrosion resistance in oxidizing and especially in reducing media. However, in oxidizing chloride containing environments alloy UNS N06022 (2.4602) is preferred where NiCrMo-10 is a better matching welding consumable. Applications for NiCrMo-4 are found in aggressively corrosive media such as chemical processing plants, pollution control, pulp and paper production, waste treatment and for the recovery of sour natural gas. NiCrMo-4 is used for joining alloy UNS N10276 (2.4819) and other nickel-chrome-molybdenum alloys. It can also be used for dissimilar metal joining of nickel alloys, stainless steels and low-alloy steels. NiCrMo-4 can be used for surfacing low alloyed steels. Applications for NiCrMo-4 are found in cryogenics, components in pulp and paper plants such as bleaching vessels, flue gas scrubber systems, components in sour-gas service, sulphuric acid coolers, chlorine gas, hypochlorite and chlorine dioxide atmosphere. NiCrMo-4 is also used in combustion-resistant components for high pressure oxygen service. It is used for Submerged Arc Welding.

Specifications

Classifications

SFA/AWS A5.14 : ERNiCrMo-4
EN ISO 18274 : S Ni 6276 (NiCr15Mo16Fe6W4)
Werkstoffnummer : ~2.4819

Alloy Type

Nickel Alloy - 16% Cr - 16% Mo - 5% Fe - 3.5 % W - Low C

Typical Wire Composition %

C	Mn	Si	S	P	Ni	Cr	Mo	V	Cu
0.007	0.5	0.02	0.002	0.005	58	16	16	0.03	0.02

Typical Wire Composition %

Co	W	Fe
0.02	3.7	5.8