



CEWELD AA NiCrSiB 40

TYPE High-alloyed tubular wire on a Ni-Cr-Si-B basis for high wear protection in several applications.

APPLICATIONS The characteristics of the deposit are comparable with cobalt-base alloys and offers excellent corrosion resistance, heat resistance and thermal shock constancy.

PROPERTIES Very good corrosion resistance combined with high hardness even at higher temperatures. Excellent weldability and often used as economical alternative for „stellite“.The alloy is spark free and non magnetic.

CLASSIFICATION EN ISO 14700: T Ni1

SUITABLE FOR rotary seal rings, pumps, sleeves, food industry, nuclear, screw conveyors, winches.

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	Cr	Ni	Fe	W
0.35	4.5	0.5	22	80	4	1.5

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded				40 HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1