



# 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** No Approvals Found

**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

**ALL WELD MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Hardness Rockwell C
As Welded /				Avg. 40

**REDRYING TEMPERATURE** Not required

**GAS ACCORDING EN 14175** I1