



# CEWELD SA 420C

**TYPE** Solid stainless steel welding wire for submerged arc welding. (Typ 420C)

**APPLICATIONS** he best all-purpose steel type for machine element work. Suitable for fairly corrosion resistant overlay welding with a hardness of approx. 54 HRc.

**PROPERTIES** CEWELD® SA 420C offers fair general corrosion resistance combined with high hardness and excellent wear properties especially to face metal to metal wear problems . Fused flux CEWELD® FL 880 or agglomerated flux CEWELD® FL 838 can be used.

**CLASSIFICATION**

AWS	A 5.9: ER420
EN ISO	14343-B: S 420
W.Nr.	~1.4031
F-nr	6
FM	5

**SUITABLE FOR** Shafts, Valves, seats, pistons, Dredging pump casings, continuous casting rollers etc.

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	P	S	Cr	Ni	Mo
0.43	0.5	0.6	0.02	0.02	13	0.4	0.6

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness
As Welded	250	450	15	54 HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175**