



CEWELD 4115 HLS

TYPE High recovery, corrosion resistant stainless steel stick electrode

APPLICATIONS Hardfacing shafts from stainless steel parts, molt repairs, rebuilding pump parts etc. Suitable for plating and joining equal and similar ferritic Cr-steels and cast steels. Proper weldings are subject to the recommended heat treatment. This alloy is specially suitable for sealing surfaces on water-, steam and gas-valves, especially for sulphuric gases. The deposit is resistant to seawater, thin acids and scale resistant in air and oxidizing gases up to 950°C . The weld deposit can be tempered.

PROPERTIES High deposition rate and excellent weldability on DC +. Stainless steel alloy for joining and cladding 17% Chromium alloys and cladding components where heat and corrosion resistance simmlar to AISI 304 is required. The weld deposit can sustain working temperatures up to 450° C. and will offer a high hardness and wear resistance.

CLASSIFICATION	AWS	A 5.4: ~E 430HMo-26
	EN ISO	3581-A: ~E Z 17 1 B 42
	W.Nr.	1.4115
	F-nr	1
	FM	5

SUITABLE FOR 1.4122 (G)X35CrMo17, 1.4313, 1.4000, 1.4001, 1.4002, Cast steels

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	Cr	Mo
0.18	0.4	0.7	16.6	1

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded	>300	>450	>15	43 HRc
720°C±15°C 2h	>300	>450	>15	200 HB

REDRYING 300°C / 2 hr

GAS ACC. EN ISO 14175