



# CEWELD S2 CrMo2

**TYPE** Submerged Arc wire for welding temperature resistant boiler steels and base metals.

**ANWENDUNGEN** Typical applications in power generation plant include steam piping, turbines and boilers; the alloy also finds applications in the chemical and petrol-chemical industries.

**EIGENSCHAFTEN** Submerged arc welding wire for high temperature creep resistant 2,45%Cr 1,0%Mo ferritic steel. These steels are used for creep resisting applications up to ~550°C. The wire has low levels of tramp elements (e.g. Sn, As, Sb and P) providing a low Bruscato Factor (X< 10 ppm) for temper embrittlement resistant applications. Recommended flux: FL 155


**KLASSIFIKATION**

AWS	A 5.23: EB3~
EN ISO	24598-A: S CrMo2
F-nr	6
FM	3

**GEEIGNET FÜR** **2,25% Cr, 1% Mo**  
 1.7015, 1.7131, 1.7147, 1.7380, 1.7337, 1.7262, 1.7258, 1.7350, 1.7357, 1.7375, 1.7379, 1.7383, 1.7385, 1.7707, 1.8075  
 10CrMo9.10, 12CrMo9-10, 10CrSiMoV7, 12CrSiMo8, 30CrMoV9, GS-18CrMo9.10, 15CrMoV5-10, 16CrMo4-4, 15CrMo5, 24CrMo5, 22CrMo4-4, GS-17CrMo5-5, 15Cr3, 16MnCr5, 20MnCr5, 10CrSiV7,  
 ASTM: A 387 Gr. 22, A217 Grade WC9, A335 Gr. P22, A217 Gr. WC9, A182 F22, A182 T22, A1031 Gr.5015, A1031 Gr.5115, A1031 Gr.4820

**ZULASSUNGEN** CE

**SCHWEISSPOSITIONEN**



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

C	Si	Mn	P	S	Cr	Mo
0.1	0.25	0.95	0.01	0.01	2.45	1

**MECHANISCHE GÜTEWERTE**

Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				RT	-20°C	
690°C±15°C 3h	500	600	24	100	50	HRc

**RÜCKTROCKNUNG** Not required

**GAS ACC. EN ISO 14175**



# CEWELD S2 CrMo2

S2 CRM02 3,2MM

Packaging	KG/unit	EanCode
K-415	25	8720663404800

S2 CRM02 4,0MM

Packaging	KG/unit	EanCode
K-415	25	8720663424303