CEWELD ER 70S-B2L

TYPE

Low alloyed welding wire for high tensile strength and creep resistant steels. (1¼Cr/½ Mo, B2L Type)

ANWENDUNGEN

CEWELD ER70S-B2L is a low carbon content variation of the ER80S-B2 and is designed for the welding of 1¼Cr/½ Mo steel that require a lower as-welded hardness. Mountainbikes, car frames, stock cars, creep resistant steels.

EIGENSCHAFTEN

This Type is identical to ER80S-B2, with the exception of the reduced carbon content. This results in lower hardness and strength values, which reduces the tendency to crack, especially if the weld seams are not heat-treated.These steels are usually used for operating temperatures of up to 550°C. Typical applications are in power plant construction, pressure pipe, turbine and boiler construction. The alloy is also used alloy is also used in the chemical and petrochemical industry. The low proportion of accompanying elements (Sn, As, Sb, P) in the wire ensures a low Bruscato factor (X < 10 ppm) and therefore insensitivity to temper embrittlement.

KLASSIFIKATION

AWS	A 5.28: ER 70S-B2L
EN ISO	21952-B: G 1CML
F-nr	6
FM	5

GEEIGNET FÜR

For similar 1.25%Cr-0.5%Mo-alloyed, heat-resistant, ferritic steels.
1.7335, 1.7242, 1.7337, 1.7357
13CrMo 4-5, 13CrMo 4-4, 16 CrMo4, 16CrMo 4-4, GS-17CrMo 5-5, G17CrMo5-5
ASTM: A182 grades F11/F12, A199/A200 T11, A217 grades,WC6/WC11, A234 grades WP11/WP12, A335 grades P11/P12, A387 grades 11/12
BSI/AFNOR: K12073, K11598, K 11568, J 12073, J 12072, J 11872, K11564

ZULASSUNGEN

CE

SCHWEISSPOSITIONEN

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	P	S	Cr	Mo
0.04	0.45	0.55	0.015	0.015	1.3	0.6

MECHANISCHE GÜTEWERTE

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
620°C±15°C 1h	420	570	20	HRc

RÜCKTROCKNUNG

Not required

GAS ACC. EN ISO 14175

M21