CEWELD OA 70 Na

certilas® THE FILLER METAL SPECIALIST

TYPE

High-alloy tubular wire based on a complex carbide alloy wire for hardfacing against extreme abrasion.

APPLICATIONS

CEWELD® OA 70 Na is based on a nanotechnology concept of the alloy CCrMoNbWB. It forms special carbides for the wear protection coating of exhaust fans, mixer blades, kiln mixers, furnace chutes, scrapers, screw conveyors and other equipment that is subject to heavy abrasion and erosion at elevated temperature.
(Best weldable with M21 mixed gas)

PROPRIÉTÉS

Resistant to heavy abrasion and erosion caused by impact. Retains its hardness at elevated temperatures of up to 750°C. Can withstand thermal cycling. Low coefficient of friction without lubrication.
64 - 66 HRc (first layer)
67 - 72 HRc (max. second layer)

CLASSIFICATION

EN ISO 14700: T Z Fe8

CONVIENT POUR

65-75 HRc Hardfacing wire used in mining, agriculture and steel mills, conveyor chains, agriculture, construction, mixer blades, paddles, cement pumps with excelent abrasion and wear resistance against sand and minerals.

AGRÉMENTS

POSITIONS DE SOUDAGE

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	Cr	Mo	Nb	V	Fe	W	B
2.5	2	1	9.5	4	7	2.5	Rem.	4.5	3

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded				70 HRc

ETUVAGE

Not required

GAS ACC. EN ISO 14175

M21