CEWELD OA WC2 NC

certilas® THE FILLER METAL SPECIALIST

TYPE	Tungsten based Fluxcored hardfacing welding wire with a Niobium, Chromium based matrix.
APPLICATIONS	CEWELD® OA WC2 NC is developed for hardfacing parts that are subject to extreme wear to obtain highest possible wear resistance. The matrix of this alloy is crack free although its extreme hardness of >52 HRc. Due to the nature of the matrix the weld deposit allows multiple layers and remains his extreme shock resistance.
PROPERTIES	CEWELD® OA WC2 NC offers excellent rebuilding capabilities with lowest possible dilution with the base metal. The high amount of Tungsten carbides in its extreme tough matrix offers maximum life against highest abrasive wear combined with high pressure and impact.
CLASSIFICATION	EN ISO 14700: T Fe20
SUITABLE FOR	Rebuilding of stabilisers and other oilfield tools where maximum protection is required. Also for augers, impellers, mixer plates in the brick and clay industry and on decanter screws or hardfacing deep drilling equipment.
APPROVALS	
WELDING POSITIONS	

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

MECHANICAL PROPERTIES

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

REDRYING	140°C / 2 hr
ANALYSIS AND HARDNESS	Extremely hard FeCrNb matrix with tungsten carbide embedded. Matrix: 55-60 HRc Carbides: 2400HV
GAS ACC. EN ISO 14175	None