



# CEWELD OA WC2 NC

**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 <sub>P0,2</sub> (MPa)	R <sub>m</sub> (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