



CEWELD E DUR 63 Nb

TYPE Basic coated electrode made of a hardfacing alloy with a high chromium-niobium content. (E Fe15, 63 Hrc)

APPLICATIONS CEWELD® E DUR 63 NB with a recovery of 190% can be used for coatings with extreme abrasion and sliding wear resistance, but with low impact loads.
 For use up to 450 °C
 Suitable for applications on components such as:
 Impact plates, suction excavators, slag crushers, crusher hammers, guide elements, blast wheels of descaling plants, crusher rollers.

PROPERTIES CEWELD® E DUR 63 NB is very economical due to its high deposition rate and excellent weldability without slag losses. In the case of critical base material or old hardfacing layers, buffering must be carried out with an electrode such as CEWELD® E DUR 350 Kb / E 11018-G, which provides a weld metal with lower hardness. Overlays on high carbon steel should be buffered with CEWELD®CroNi 29/9 HL or CEWELD® 4370 HL. For best results, 2 to 3 layers should be welded.

1. **Layer:** 57 - 60 HRc
2. **Layer:** 59 - 62 HRc
3. **Layer:** 61 - 65 HRc

For the best results 2 till 3 layers should be welded.

CLASSIFICATION

AWS	A 5.13: ~E FeCr-E4
EN ISO	14700: E Fe15
DIN	8555: E 10-UM-65- GRZ
F-nr	71

SUITABLE FOR Sugar mill knives and Hammers, Cement mixers, Clinker crushers, Sintering lines, Fire gratings, Mixer blades, Gravel washing equipment, Ceramic mixer blades, Extruders, Crushing tables and Rollers for lime stone etc.

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Cr	Nb	Fe
5.75	24	6	Rem.

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded				60 HRc

REDRYING 300°C / 2 hr

GAS ACC. EN ISO 14175



CEWELD E DUR 63 Nb

E DUR 63 NB 3,2 X 350MM

Packaging	KG/unit	EanCode
Can	2,5	8720663402653

E DUR 63 NB 4,0 X 450MM

Packaging	KG/unit	EanCode
Can	3	8720663402660