CEWELD®

Dur 63 Nb

CATEGORY	SMAW Stick Electrodes				
TYPE	Basic coated, high Cromium-Niobium based hardfacing alloy for SMAW				
APPLICATIONS	This electrode with a recovery of 190% can be used for overlays with extremely abrasive and sliding wear resistance, but with low impact. For use till 450°C.				
PROPERTIES	Very economical due to the high deposition rate and excellent weldabillity without slag losses. For critical base material or old hard facing layers it is necessary to buffer with an electrode like DUR E 350 Kb / E 11018-G that delivers a welding deposit of less hardness. Overlays on steel with high carbon content should be buffered with Croni 29/9 HL or 4370 HL. For the best results 2 till 3 layers should be welded.				
CLASSIFICATION	AWS A 5.13: no standard EN ISO 14700: EZ Fe15 DIN 8555: E 10-UM-65-GRZ				
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	CE approved				
WELDING POSITIONS:	PA PB X X X				

WELD METAL ANALYSIS $\,\%$

С	Cr	Nb	Fe
5.5-6.0	22-26	5-7	rem

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	Hardness HRc	Hardne	ess HRc
Treatment	(N/mm ²)	(N/mm ²)	(%)	1st layer	2nd layer	3th layer
AW				57-60	59-62	61-65

WELDING PARAMETERS PACKING

Welding Parameters			Packing			
D (mm)	Length (mm)	Current (A)	kg / can	kg / 6 pack	kg / 1000	
3.2	350	100-160				
4.0	450	160-220				
5.0	450	190-250				

REDRYING TEMPERATURE 300-320 °C/2h

EQUIVALENT FCAW - OA 59 - OA 64