CEWELD®

Dur 49

CATEGORY	SMAW Stick Electrodes				
TYPE	Rutile Fe, Cr, Co and Mo base	d elektotrode			
APPLICATIONS	Hardfacing of forging presses, hot piercing dies, stretching rolls, pinch rolls, hot strip mill table rolls and bac up rolls				
PROPERTIES	Rutile Fe, Cr, Co and Mo based elektotrode with high hot wear resistance, tensile strenght and a high resistence against sliding wear of metallic objects. It has a good retention of hardness up to 650°C and is non scaling up to 900° C thermo shock resistant and resistant to sudden changes of temperature. Work hardening. Not crack sensible. The number of layers can be done as necessary. The deposit can beadditionally treated with cutting tools.				
CLASSIFICATION	EN ISO 14700: ~E F DIN 8555: E3-UN				
SUITABLE FOR	1.2311 40CrMnMo 7 1.2343 X38CrMoV 5 1 1.2344 X40CrMoV 5 1 1.2365 X32CrMoV 3 3 1.2367 X38CrMoV 5 3 1.2606 X37CrMoW 5 1 1.2713 55NiCrMoV 6 1.2714 56NiCrMoV 7				

WELD METAL ANALYSIS %

WELDING POSITIONS:

Fe	Cr	Со	С	Si	Mn	Мо
Bal.	14	13	0.15	0.6	0.6	2.3

PA PB PC NPF NF

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	Hardnes HRc	Hardnes HRc (work hardened)
Treatment	(N/mm ²)	(N/mm ²)	(%)		
AW			:	45-50	Up to 55

AW: as welded

WELDING PARAMETERS PACKING

	Welding Parameters			Packing
D (mm)	Length (mm)	Current (A)	kg / can	kg / 6 pack
2.5	350	50-90	2.6	15.6
3.2	350	90-120	2.8	16.8
4.0	350	110-150	2.8	16.8

REDRYING TEMPERATURE 130°C / 1hr