


CEWELD E DUR 55

TYPE	High efficiency hardfacing elektrode										
APPLICATIONS	Pump bodies, Mixer blades, Agitator arms, Concrete pumps.										
PROPERTIES	CEWELD E DUR 55 is a heavy coated high efficiency Hardfacing electrode with 160 % recovery. Suitable for applications subject to strong abrasive wear by minerals										
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.13: E FeCr-A1</td> </tr> <tr> <td>EN ISO</td> <td>14700: E Fe7</td> </tr> <tr> <td>DIN</td> <td>8555: E 3-UM-50-CKRTZ</td> </tr> <tr> <td>F-nr</td> <td>71</td> </tr> </table>	AWS	A 5.13: E FeCr-A1	EN ISO	14700: E Fe7	DIN	8555: E 3-UM-50-CKRTZ	F-nr	71		
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SUITABLE FOR	54-62 HRc, Hardfacing loaders, buckets, pumps, cement crushing equipment, screws, mixers blades etc., excellent abrasion resistance and high wear resistance.										
APPROVALS	No Approvals Found										
WELDING POSITIONS											
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 25%;">C</th> <th style="width: 25%;">Mn</th> <th style="width: 25%;">Cr</th> <th style="width: 25%;">Si</th> </tr> </thead> <tbody> <tr> <td>4.5</td> <td>1</td> <td>25</td> <td>1</td> </tr> </tbody> </table>	C	Mn	Cr	Si	4.5	1	25	1		
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ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 25%;">Heat Treatment</th> <th style="width: 12.5%;">R_{p0,2} MPa</th> <th style="width: 12.5%;">R_m MPa</th> <th style="width: 12.5%;">A₅ (%)</th> <th style="width: 37.5%;">Hardness Rockwell C</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td></td> <td></td> <td></td> <td>Avg. 56</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	Hardness Rockwell C	As Welded /				Avg. 56
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As Welded /				Avg. 56							
REDRYING TEMPERATURE	300°C / 2 hr										
GAS ACCORDING EN 14175											