CEWELD®

SACW 890

TYPE High- basicity flux-cored wire for submerged-arc welding

APPLICATIONS Crane, automobile, equipment and steel construction, pipeline, foundries.

PROPERTIES Crack resistant weld metal conditioned by the high-basicity slag in combination with very low hydrogen content. Well suited for the economic joining of high strength steels and cryogenic fine grain structural steels

with Rp0,2 > 890 MPa (129 ksi). To reach the optimal mechanical properties, the energy absorbed per unit length of weld 15 kJ/cm should not be exceeded. The working temperature should be between 100°C (212 °F) and 150°C (302 °F) . As welding flux FL 155 should be used because of its high basicity and low hydrogen

content.

AWS CLASSIFICATION A 5.23: ~F12A8-ECG

A 5.23M: ~F83A6-ECG

EN ISO 26304-A: S 89 4 FB T3Ni2,5Cr1Mo

SUITABLE FOR TM-pipe steels to StE 890 to S890QL1, X120 high-strength fine grain structural steels (low temp) to StE 960

(StE 1100 to 12 mm) to S960QL1 (S1100). ASTM: up to A 714, A 709, A 515, A 517

APPROVALS CE approved

WELDING POSITIONS:















WELD METAL ANALYSIS % (TYPICAL)

С	Mn	Si	Cr	Ni	Мо	Р	S
0.08	1.6	0.4	1.0	2.2	0.5	0.015	0.015

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	lm	Hardness		
Treatment	(N/mm ²)	(N/mm ²)	(%)	-20°C	-40°C	-60°C	HRc / HV
AW	>890	940-1180	15		55	40	

AW: as welded

WELDING PARAMETERS / PACKING

Welding Parameters					Packing						
D (mm)		Voltage (V)		Current (A) DC+	spool type		kg / spool		kg / pallet		
2,0					K-415		25				
2,4					K-415	Ē	25	i			

REDRYING TEMPERATURE Not required