

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.								
CLASSIFICATION	AWS A 5.23: F12AB-ECG EN ISO 26304-A: S 89 FB T3Ni2,5Cr1Mo F-nr 6 FM 2								
SUITABLE FOR	Reh < 890 Mpa Iso 15608: 3.2 (Reh > 690 MPa) 1.8796, 1. 8925, 1.8940, 1.8983, 1.8797, 1.8933, 1.8934, 1.8941, 1.8997 S690Q-S890Q, S690QL-S890QL, S720MC ASTM A 709 Gr. 100 Type B, E, F, H, Q, HPS 100W N-A-XTRA M 700, PAS 700, alform 700 M, alform 900 x-treme, alform® 890 x-treme, Strenx 700-890, DILLIMAX 700-890								
APPROVALS	CE								
WELDING POSITIONS	PA PB PC								
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	С	Si	Mn	F	b	S	Cr	Ni	Мо
	0.08	0.4	1.6	0.0	15	0.015	1	2.4	0.6
MECHANICAL PROPERTIES	Heat	Read	Rm (MPa)	45	Impact Energy (J) ISO-V			/	Hardness
	Treatment	(MPa)		(%)	-40°C				
	As Welded 900		960	16		55			HRc
REDRYING	Not required								

GAS ACC. EN ISO 14175