

Coreshield 8

Coreshield 8 is a self-shielded flux cored wire designed to weld critical structural applications while maintaining excellent arc characteristics and high welder appeal using DCEN polarity. Coreshield 8 is tested and certified to meet the new AWS D designation requirements, making this self-shielded wire an excellent choice for demand critical welds when the AWS D1.8 Seismic Supplement is utilized

Classifications Weld Metal:	SFA/AWS A5.20:E71T-8, EN ISO 17632-A:T 42 2 Y N 2
Approvals:	CE EN 13479, GL 3YS, ABS 3YSA H10, NAKS/HAKC 1.6MM, BV SA3YM H10, CWB E491T-8-H16, DB 42.039.35, DNV III YMS H10, LR 3YS H10, VdTÜV 10019

Approvals are based on factory location. Please contact ESAB for more information.

Welding Current:	DC-
Alloy Type:	C Mn

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As welded	457 MPa	552 MPa	26 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As welded	-20 °C	75 J
As welded	-29 °C	63 J

Typical Weld Metal Analysis %

C	Mn	Si	Al
0.17	0.45	0.12	0.50

Deposition Data

Diameter	Current	Voltage	Wire Feed Speed	Deposition Rate
1.6 mm	155-240 A	21-25 V	3.8-7.6 m/min	1.9-3.7 kg/h