

PRODUCT DATA SHEET

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Date: 8/26/2015
Product: ER110S-1

NAME OF PRODUCT **ER110S-1**

Classifications: **AWS A5.28** **ER110S-1**

TYPICAL MACHANICAL PROPERTIES

Tensile (N/mm ²)	Yield (N/mm ²)	Al% 5d	CVN + 20°C J	CVN - 50°C J			
960	870	22	150	90			

CHEMICAL COMPOSITION (average)

C %	Si %	Mn %	P %	S %	Cu %	Cr %	Ni %	Mo %	Al %	V %				
0.08	0.45	1.70	<0.010	<0.010	<0.25	0.15	2.10	0.40	<0.10	<0.030				

WELDING PROCESS

Shielding Gas: MAG (Argon + 20% O₂)
Pre Heating: 150°C
Post Welding: as-welded

DIMENSIONS

MIG	0.035	0.045												
TIG	1/16	3/32	1/8											

APPLICATION

Fine-grained steels, high yield strength for low temperature application.

Lifting and handling machines, bridges, tanks, transport, shipbuilding, railway sector, mines, vibrant sieves, tank lorries