

TECHNICAL DATA SHEET



Super6 100S-G

AWS A5.28 ER100S-G
EN ISO 16834-A Mn3NiCrMo
EN ISO 16834-A - G 55 5 M21 Mn3NiCrMo
Date 20.11.24
Revision 001

DESCRIPTION

Super6 ER100S-G is a solid low alloy wire designed for welding high strength steels with excellent impacts at low temperatures down to -50°C.

Typical Applications: Structural steel - Transport industry - Heavy equipment - Earth moving repairs and fabrication, Crane repairs and fabrication. Petrochemical industry.

WELDING POSITIONS



PA, PB, PC, PD, PE, PF, PG

CHEMICAL COMPOSITIONS

C	Si	Mn	P	S
0.08	0.75	1.40	<0.015	<0.015

MECHANICAL PROPERTIES

Yield strength	640
UTS N/mm ²	730
Elongation %	20

AVAILABLE FORMATS

Spool & tube				
Diameter	15kg		Diameter	5.0kg
0.8mm	7290		1.6mm	7383
1.0mm	7291		2.4mm	7384
1.2mm	7292		3..2mm	7385

Shielding Gas	Mig M21	Tig Argon
Current Type	DC+	DC-

While all reasonable efforts have been made to ensure the accuracy of this information, it may change at any time and is only intended as general guidance.

T +44 (0) 1942 719930 | E sales@swp.uk.net | W www.specialisedwelding.co.uk