



## TAURUS ER100S-G HIGH TENSILE MIG WIRES

### Description

TAURUS MIG WIRE ER100S-G is a low-alloy steel welding wire containing nickel, molybdenum and vanadium. The wire, which is copper coated, is suitable for use in all positions. TAURUS MIG WIRE ER100S-G is recommended for welding a range of fine grained structural steels and low-alloy quenched and tempered steels having an ultimate tensile strength of up to 930 MPa. Argon based shielding gases are recommended.

### WELDING POSITIONS

- Downhand
- Horizontal flat
- Horizontal vertical
- Vertical up
- Overhead

### CLASSIFICATIONS

AWS A5.28 ER100S-G

EN ISO 16834-A W 69 4M3Ni1 CrMo

EN ISO 16834-B W 76 A 4M N4M2 (nearest)

### AVAILABLE IN

- 1.0mm – 15kg spool

- 1.2mm – 15kg spool
- 1.6mm – 15kg spool

**COMPOSITION**

	%
Carbon	0.08 – 0.1
Manganese	1.6 – 1.8
Silicon	0.5 – 0.7
Sulphur	0.018 Max
Phosphorous	0.15 Max
Chromium	0.3 – 0.4
Nickel	1.4 – 1.6
Molybdenum	0.25 – 0.3
Copper	0.35 Max
Vanadium	0.09 – 1.11

**MECHANICAL**

	<b>AS WELDED</b>
Tensile strength	> 690 MPa
0.2% Proof stress	> 770 MPa
% Elongation on 50 mm	>17
Charpy V-Notch at -40°C	> 47 J

**Product Category**

1. Consumables
2. Mig Wire
3. Mild Steel

**Date Created**

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