

# 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** | **AS WELDED** |
|---|---|
| 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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