



## TAURUS 70S-6 MILD STEEL MIG WIRES (SPOOL)

### Description

The TAURUS ER70S-6 MIG wire is produced from high quality de-oxidised rod. The products are copper coated for increased shelf life, which facilitates good electrical conductivity with reduced friction during high speed welding. The TAURUS ER70S-6 MIG wire is a premium quality wire which is precision layer-wound to produce positive, uninterrupted feeding in semi-automatic and automated systems.

### WELDING PROCEDURE

The TAURUS ER70S-6 MIG wire is suitable for dip (short arc), spray arc and pulsed-arc transfer welding using CO<sub>2</sub> and Argon based shielding gases.

### WELDING POSITIONS

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

### CLASSIFICATIONS

- AWS A5.18 ER 70s-6
- SABS 145 Grade A
- EN ISO 14341 G42 2 C G4Si1
- EN ISO 636-A W 42 3 W4Si1
- EN ISO 636-B W 49 3 W4Si1

## APPROVALS

- Lloyds register of shipping grade DXVud, BF, 2S, 2YS, H15
- American Bureau of shipping grade 2SA TUV

## AVAILABLE IN

- 0.6mm – 5kg spool
- 0.8mm – 5kg /15kg spool
- 0.9mm – 1kg / 15kg spool
- 1.0mm – 15kg spool
- 1.2mm – 15kg spool
- 1.6mm – 15kg spool

## COMPOSITION

|             | VALUE                       |
|-------------|-----------------------------|
| Carbon      | 0.07 – 0.15 %               |
| Manganese   | 1.4 – 1.85 %                |
| Silicon     | 0.8 – 1.15 %                |
| Sulphur     | 0.035 % Max                 |
| Phosphorous | 0.03 % Max                  |
| Copper      | Typical 0.18 %<br>0.4 % Max |

## MECHANICAL ( with CO? )

|                         | AS WELDED     |
|-------------------------|---------------|
| 0.2% Proof stress       | 430 MPa min   |
| Tensile strength        | 510 – 570 MPa |
| Elongation on 50mm      | 26 min        |
| Charpy V-Notch at +20°C | 110 J min     |
| Charpy V-Notch at 0°C   | 80 J min      |
| Charpy V-Notch at -20°C | 47 J min      |

## Product Category

1. Consumables
2. Mig Wire
3. Mild Steel

## Date Created



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