

OK Tigrod 12.62

A tripple desoxidized copper coated rod designed for GTAW of mild and fine grained structural- and pressure vessel steels as well as ship building steels. The rod is capable of producing high quality welds in semi-killed and rimmed steel as well as steel of various carbon levels. Because of added desoxidants, Al-Ti-Zr, the rod can also be used for welding steels with a rusty or dirty surface, without any sacrifice of weld quality.

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|---------------------------------------|--|
| Classifications Weld Metal | EN ISO 636-A : W 46 4 2Ti |
| Classifications Wire Electrode | SFA/AWS A5.18 : ER70S-2 EN ISO 636-A : W2Ti |
| Approvals | CE EN 13479 |
| Industry | Baržos Vamzdynai Energetika Aukšto slėgio indai Laivai ir dokai jūroje |

Approvals are based on factory location. Please contact ESAB for more information.

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|----------------------|------------------------|
| Alloy Type | Carbon-manganese steel |
| Shielding Gas | I1 (EN ISO 14175) |

Typical Tensile Properties

| Condition | Yield Strength | Tensile Strength | Elongation |
|-------------------|----------------|------------------|------------|
| Ar (I1) EN | | | |
| As Welded | 570 MPa | 625 MPa | 26 % |

Typical Charpy V-Notch Properties

| Condition | Testing Temperature | Impact Value |
|-------------------|---------------------|--------------|
| Ar (I1) EN | | |
| As Welded | -40 °C | 180 J |

Typical Weld Metal Analysis %

| C | Mn | Si | S | P |
|------|------|------|-------|-------|
| 0.05 | 1.11 | 0.72 | 0.012 | 0.013 |

Typical Wire Composition %

| C | Mn | Si |
|------|-----|-----|
| 0.06 | 1.1 | 0.6 |