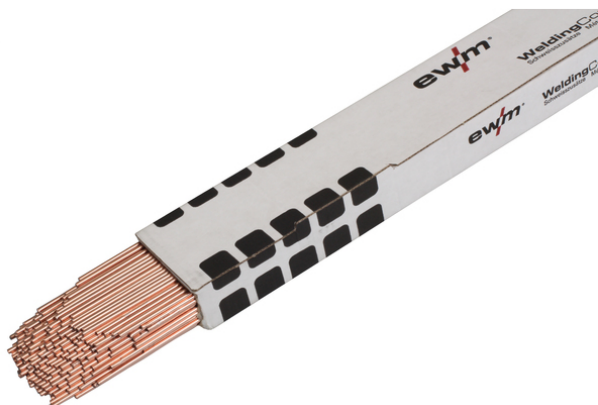


DATA SHEET

TR 70S G3 5kg/PAK. 1.0x1000mm

097-003489-10010



- Unalloyed TIG welding rod
- Copper-plated and stamped
- High chemical purity
- For single-pass and multi-pass welding
- Semi-fluid weld pool, good controllability
- Good wetting properties, flat weld surface
- Very stable arc at high welding currents
- Welding of steels with a yield strength of 460 MPa
- **Fields of application:**
 - Shipbuilding, pressure vessel and boiler construction

| | | | |
|--------------------------|--|--------|--------|
| Standards | DIN EN ISO 636-A - W 46 5 3Si1 | | |
| | AWS A-5.18 - ER 70S-6 | | |
| Material number | 1.5125 | | |
| Welding positions | PA / PB / PC / PE | | |
| Polarity | DC- | | |
| Ø | 1 mm | | |
| Chemical analysis (in %) | C | Si | Mn |
| | 0.09 % | 0.87 % | 1.47 % |
| Yield strength | ≥460 MPa | | |
| Tensile strength, Rm | ≥560 MPa | | |
| Expansion, A5 | ≥22 % | | |
| Impact energy, Av | 20 °C: ≥ 100 J | | |
| Approvals | CE / TÜV / DB | | |
| Packing drum | Package | | |
| Length | 1000 mm | | |
| Weight | 5 kg | | |
| Base materials | S185 - E360 S235JR - S355JR S235J0 - S355J0 S235J2 - S355J2 S275N - S420N S275NL - S420NL S275M - S420M S275ML - S420ML P275N - P355N P275NL1 - P355NL1 P275NL2 - P355NL2 P355M - P420M P355ML2 - P420ML2 P355Q P355QL1 ASTM: A36 A106 grades A/B/C A139 A210 grades A1/C A214 A216 grades WCA/WCB/WCC A234 grade WPB A334 grade 1 | | |
| | API: 5L grades X42-X60 | | |