

DT-1.4501 Superduplex

Stainless Steel MIG/MAG-Wire TIG – Rods

Specification

ISO 14343-A : G/W 25 9 4 N L
 AWS A5.9: ER 2594

Application

Offshore applications

High resistance to pitting and stress-corrosion cracking in seawater.
 High resistant to causticalkalis and phosphoric acid.

Chemical Composition Element by weight (%)

C: 0,02 Si : 0,5 Mn : 0,8 Cr : 25 Mo : 3,7 Ni : 9
 N: 0,2 Cu: 0,1

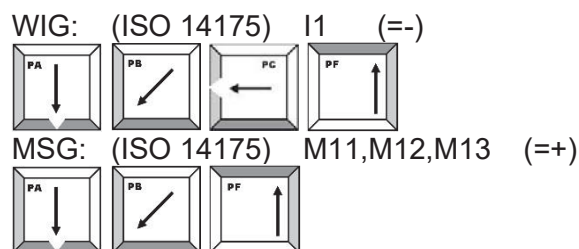
Mechanical Properties (typical)

Yield Strength (Re) 600 N/mm²
 Tensile Strength (Rm) 750 N/mm²
 Elongation (A)(Lo=5do) 25 %
 PRE >40
 Impact energy (ISO-V) >80 J (RT)
 >27 J (-46°C)

Approvals

Auf Anfrage

Shielding gas/Polarity



Typical Base Material

1.4410 1.4515 1.4517 1.4573 1.4593

25% Cr-Superduplexsteel Zeron 100, Falc 100,
 SAF25/07

Packaging

MIG/MAG Spool: D100, D200, K200, K300
 TIG-Rods: 1.0mm up to 3,0mm x 1000 / 5 kg boxes