

DT-1.4370

Stainless Steel MIG/MAG-Wire TIG - Rods

Specifications

ISO 14343-A : G/W 18 8 Mn
 ISO 14343-B : SS307
 ASTM/AWS/SFA-5.9: ER 307

Application

CrNiMn-wire/rod for joining corrosion resistant, austenitic manganese steels, dissimilar steels and high-carbon steels for service temperatures from -120°C up to +300°C. Also for intermediate layers on armouring with hard alloys.

Chemical Composition Element by weight (%)

C: 0,10 Si: 0,80 Mn: 7,00 Cr : 18,5 Ni: 8.5

Mechanical Properties (typical)

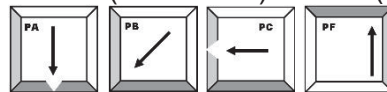
Yield Strength (Re) 400 N/mm²
 Tensile Strength (Rm) 650 N/mm²
 Elongation (A) (Lo=5do) 35%
 Impact energy (Av) 80 J
 High temp. 300°C
 Low temp. -120°C

Approvals

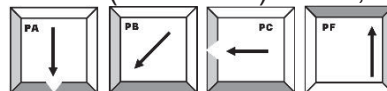
TÜV, DB, CE-Zeichen

Shielding gas/Polarity

WIG: (ISO 14175) I1 (=)



MSG: (ISO 14175) M21,M12,M13 (+=)



Typical Base Material

TÜV Kennblatt 1000: Group 30 with group 1 – 4
 ISO 20172: Group 8.1 joined with Group 1.1/1.2

Packaging

MIG/MAG: spools D 100 / D 200 / K 200 / K 300 / C 300
 TIG: 5-kg-boxes