

DT-1.4316

Stainless Steel MIG/MAG-Wire TIG - Rods

Specifications

ISO 14343-A : G/W 19 9 L Si
 ISO 14343-B : SS308LSi
 ASTM/AWS/SFA-5.9: ER 308LSi

Application

CrNi-wire/rod with low carbon for joining and surfacing corrosion resistant and sub-zero tough austenitic steels for service temperatures from – 196°C up to + 350°C.

Chemical Composition Element by weight (%)

C: 0,02 Si: 0,85 Mn: 1,75 Cr: 19,0 Ni: 9,5

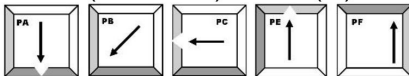
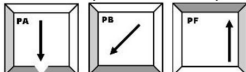
Mechanical Properties (typical)

Yield Strength (Re) 390 N/mm²
 Tensile Strength (Rm) 590 N/mm²
 Elongation (A)(Lo=5do) 35%
 Impact energy (Av) 80 J
 High temp. 350°C
 Low temp. -196°C

Approvals

TÜV, DB, CE-Zeichen

Shielding gas/Polarity

WIG: (ISO 14175) I1 (=–)

 MSG: (ISO 14175) M11,M12,M13 (=+)


Typical Base Material

1.4301 1.4306 1.4550 1.4319
 1.4551 1.4311 1.4551 1.4552
 TÜV Kennblatt 1000: Group 29
 ISO 20172: Gruppe 8.1 (except Mo)

Packaging

MIG/MAG: spools D100 / D200 / K 200 / K 300 / C300
 TIG: 5-kg-boxes