1.4316 Stainless Steel MIG/MAG-Wire TIG - Rods

Specifications:

ISO 14343-A : G/W 19 9 L Si
ISO 14343-B : SS308LSi
EN 12072: G/W 19 9 L Si
Werkstoff Nr. ~1.4316
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 (R_e)	390 N/mm²
Tensile Strength (R_m)	590 N/mm²
Elongation (A)(L_o=5d_o)	35%
Impact energy (A_v)	70 J
High temp.	350°C
Low temp.	-196°C

Approvals :

TÜV, DB, CE-Zeichen

Shielding Atmosphere:

TIG-rods	(EN439)	I 1
MIG/MAG-wire	(EN439)	M11,M12,M13

Typical Base Mat.:

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 (exept Mo)

Packaging:

MIG/MAG: spools D100 / D200 / K 200 / K 300 / C300
TIG: 10-kg-boxes