

1.4430

Stainless Steel MIG/MAG-Wire TIG – Rods

Specifications:

ISO 14343-A : G/W 19 12 3 L Si
ISO 14343-B : SS316LSi
Werkstoff Nr. ~1.4430
ASTM/AWS/SFA-5.9: ER 316LSi

Application:

CrNiMo-wire/rod with low carbon for joining and surfacing corrosion resistant and sub-zero tough austenitic steels for service temperatures from – 60°C up to + 400°C.

Chemical Composition Element by weight (%):

C: 0,02 Si: 0,85 Mn: 1,80 Cr: 18,5 Ni: 12,5 Mo: 2,60

Mechanical Properties: (typical)

Yield Strength (Re)	430 N/mm ²
Tensile Strength (Rm)	650 N/mm ²
Elongation (A)(Lo=5do)	34%
Impact energy (Av)	90 J
High temp.	400° C
Low temp.	- 196° C

Approvals:

TÜV, DB, CE-Zeichen

Shielding Atmosphere:

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

Typical Base Mat.:

1.4401 1.4404 1.4571 1.4580 1.4583
TÜV Kennblatt: Group 30
ISO 20172: Gruppe 8.1

Packaging:

MIG/MAG: spools D 100 / D 200 / K 200 / K 300 / C 300
TIG: 10-kg-boxes