

DT-1.4430

## Stainless Steel MIG/MAG-Wire TIG – Rods

### Specifications

ISO 14343-A : G/W 19 12 3 L Si  
 ISO 14343-B : SS316LSi  
 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 – 196°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

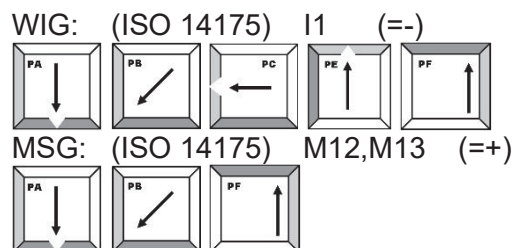
### Mechanical Properties (typical)

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

### Approvals

TÜV, DB, CE-Zeichen

### Shielding gas/Polarity



### Typical Base Material

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: 5-kg-boxes