

DT-2.4607

## Nickel Alloy MIG/MAG-Wire TIG – Rods

### Specifications

DIN EN ISO 18274: NiCr 23Mo16 – (S Ni 6059)  
 WerkstoffNr. 2.4607  
 AWS-Bezeichnung: ER NiCrMo-13

### Application

High corrosion resistant nickel based alloy for welding  
 of/in reducing and/or oxidizing environments.

Joining and surfacing with matching and similar alloys and  
 cast alloys.

### Chemical Composition Element by weight (%)

Ni: Basis C: 0,01 Si: 0,10 Cr : 23,0 Mn: <0,50  
 Fe: <1,50 Mo: 16,00

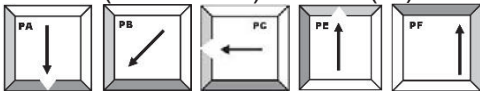
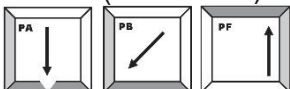
### Mechanical Properties (typical)

0,2% Elongation (Rp0,2) 490 N/mm<sup>2</sup>  
 Tensile Strength (Rm) 760 N/mm<sup>2</sup>  
 Elongation (A)(Lo=5do) 44%  
 Impact energy (Av) >100 J

### Approvals

on demand

### Shielding gas/Polarity

WIG: (ISO 14175) I1 (=–)  
  
 MSG: (ISO 14175) I1,R1 (max 3%H<sub>2</sub>) (=+)  


### Typical Base Material

2.4602 2.4605 2.4610 2.4819  
 Alloy 59

### Packaging

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