

DT-1.4337

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

### Specifications

ISO 14343-A : G/W 29 9  
 ISO 14343-B : SS312  
 ASTM/AWS/SFA-5.9: ER 312

### Application

CrNi-wire/rod for joining and surfacing equivalent and comparable steels/cast steels and manganese steels. Good resistance to cavitation and thermal cracking. Also for joining dissimilar steels and for repairs/surfacing of hot working tools and intermediate layers.

### Chemical Composition Element by weight (%)

C: 0,12 Si: 0,4 Mn: 1,8 Cr: 30,0 Ni: 9,0

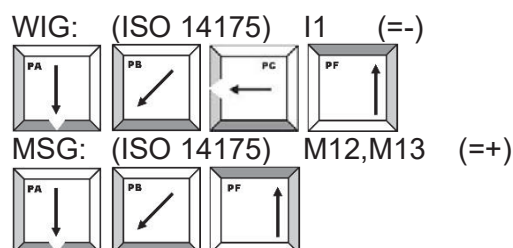
### Mechanical Properties (typical)

Yield Strength (Re) 560 N/mm<sup>2</sup>  
 Tensile Strength (Rm) 740 N/mm<sup>2</sup>  
 Elongation (A)(Lo=5do) 25%  
 High temp. 300° C  
 Low temp. -60° C

### Approvals

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### Shielding gas/Polarity



### Typical Base Material

1.4762, 1.4085, manganese steels, steels with difficult weldabilities

### Packaging

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