

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

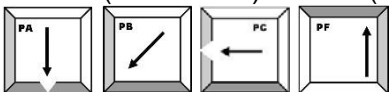
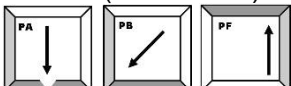
Mechanical Properties (typical)

Yield Strength (Re) 560 N/mm²
Tensile Strength (Rm) 740 N/mm²
Elongation (A)(Lo=5do) 25%
High temp. 300° C
Low temp. -60° C

Approvals

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Shielding gas/Polarity

WIG: (ISO 14175) I1 (= -)

MSG: (ISO 14175) M12,M13 (= +)


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