DT-1.4351 Stainless Steel MIG/MAG-Wire TIG – Rods

Specification

ISO 14343-A :	G/W 13 4
ISO 14343-B :	SS410NiMo
AWS A5.9:	ER 410 NiMo

Application

Welding of high strength martensitic stainless steel with better resistance to corrosion, hydro-cavitaation and good sub-zero toughness.

Welding of 13-Cr-4%Ni alloys in cast or forged form of hydraulic turbines, valve bodies, pump bowls. etc.

Chemical Composition Element by weight (%)

C: 0,05 Si: 0,60 Mn: 0,60 Cr: 13,5 Ni: 4,5 Mo: 0,50

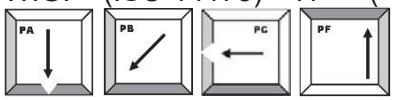
Mechanical Properties (typical)

Yield Strength (Re)	600 N/mm²
Tensile Strength (Rm)	800 N/mm²
Elongation (A)(Lo=5do)	15 %
Impact energy (Av)	50 J
Hardness	38 HRC without heat treat.
	250 HB (600°C/8h)

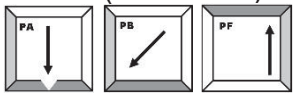
Approvals -

Shielding gas/Polarity

WIG: (ISO 14175) I1 (=-)



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



Typical Base Material

1.4002 1.4313 ...

Packaging

MIG: spools D100 / D200 / K 200 / K 300
TIG: 10-kg-boxes