

DT-1.4542

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

**Specifications:**

ISO 14343-B: 630  
 AWS A5.9: ER 630 (17-4 PH)

**Application:**

DT-1.4542 is a precipitation hardening stainless steel.

Can be used in as welded condition or in the heat treated condition to obtain higher strength.

Mechanical properties of this alloy are greatly influenced by the heat treatment.

**Chemical Composition  
Element by weight (%):**

C: 0,02 Si: 0,47 Mn: 0,55 Cr: 16,7 Ni: 4,7 Mo: 0,2  
 Nb: 0,25 Cu: 3,5

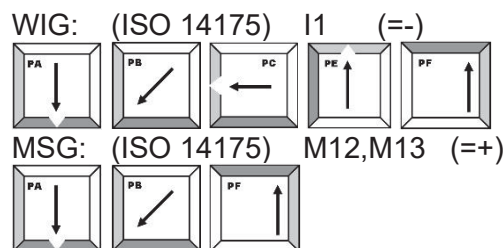
**Mechanical Properties:  
(typical RT)**

0,2% Yield Strength 850 N/mm<sup>2</sup>  
 Tensile Strength (Rm) 990 N/mm<sup>2</sup>  
 Elongation (A)(Lo=5do) 10%  
 Hardness 320 HB

**Approvals:**

on demand

**Shielding gas/Polarity:**



**Typical Base Mat.:**

alloy 17-4  
 Alloy 17-7

**Packaging:**

MIG/MAG: spools D 100 / D 200 / K 200 / K 300 / C 300  
 TIG: 5-kg-boxes