



DT-SG 3

mild Steel MAG-Wire

Specifications

EN ISO 14341 A: G 46 4 M21 4Si1
AWS-SFA5.18: ER 70S-6
(Werkstoff Nr. 1.5130)

Application

Wire for welding mild and low-alloy steels.
MAG wire for welding in all positions with CO₂
or mixed shielding gas.

Chemical Composition Element by weight (%)

C: 0,08-0,13 Si: 0,80-1,20 Mn: 1,60-1,90

Mechanical Properties typical)

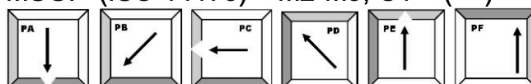
Yield Point(Re) 390-490 N/mm²
Tensile Strength (Rm) 510-610 N/mm²
Elongation (A)(Lo=5do) > 25%
Impact energy (Av) > 90 J

Approvals

TÜV, DB, CE-Zeichen

Shielding gas/Polarity

MSG: (ISO 14175) M2-M3; C1 (=+)



Typical Base Material

St 35 - St 55, St 35.4 - St 55.4
StE255 - StE 420
HI - HII - HIII, 17 Mn 4, 19 Mn 6
GS 38 - GS 52
S235JRG2 - S355J2
P235GH P265GH P295GH P355GH
Feinkorn bis S460N
ISO 20172: Gruppe 1.1 / 1.2 / 1.3 (ReH max 380N/mm²)
ISO 20172: Gruppe 2.1 (ReH max 380N/mm²)
ISO 20172: Gruppe 3.1 (ReH max 380N/mm²)

Packaging

MIG: gespult auf D100 / D200 / K 200 / K 3'

