

TECHNICAL SHEET

120 SG

SPRING
WELDING ALLOYS

Product name

120 SG

Class of product

Nickel - Chromium – Molybdenum alloyed wire for MIG / TIG welding

Corresponding standards

EN12534 Mn4Ni2CrMo

AWS 5.28 ER120S-G

Composition (weight %)

C: 0,1

Si: 0,8

Mn: 1,8

Cr: 0,35

Mo: 0,6

Ni: 2,25

Typical Mechanical Properties

Yield Strength: R_e : ≥ 890 N/mm²

Tensile Strength R_m : ≥ 940 N/mm²

Elongation: A (5d): $\geq 16\%$

Impact Strength: KV (-60 °C): ≥ 47 J

Range of application:

Wire for welding of high-strength, fine grained, heat-treated constructional steels.

Excellent ductility and crack resistance.

The above data are subject to change without notice by Spring,

SPRING WELDING ALLOYS

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