PITTINI

SGQ
ACCIAIERIE DI VERONA

TECHNICAL SPECIFICATION
WIRE ROD
QUALITY: SAE1006

Document	SPV009
Revision	4
Date	29/12/2020
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1. DESCRIPTION

Weldable steel wire in coils for thin drawing. Material according to ISO 16120-2 C4D, ASTM A510M - SAE1006 and EN 10025-2 S235JR standards.

2. HEAT CHEMICAL COMPOSITION

	C %	Mn %	Si %	P %	S %
min	-	0.30	-	-	-
max	0.06	0.45	0.12	0.030	0.030

Product analysis deviations according to ISO 16120-2 and ASTM A510M.

3. MECHANICAL AND DIMENSIONAL PROPERTIES

Tensile strength: $380 < Rm\ [MPa] \leq 420$
Yield strength: $Re\ [MPa] \geq 235$
Elongation: $A10\ [\%] \geq 30$
Elongation: $A5\ [\%] \geq 32$
Diameter range: 5,5 – 21,5 mm
Diameter tolerance and out-of-round: according to ISO 16124 grade T2 and ASTM A510M.

Diameter [mm]	5,5 ÷ 10	11 ÷ 15	16 ÷ 21,5
Tolerance [mm]	±0,25	±0,30	±0,35
Out-of-round max [mm]	0,40	0,48	0,56

Any geometric defect regarding the tail of the coils could occur within a distance from the end of wire rod greater than those included in ISO 16124 Table 11.

4. SURFACE AND INTERNAL QUALITY

Surface quality: according to ISO 16120-2 par. 4.3 and 4.4 – maximum defect depth 0,20 mm.
Internal quality: absence of defects compromising use (ISO 16120-2 par. 4.5).

5. STANDARD PACKING

In coils up to approx. 2500 kg, inside diameter about 800 mm, outside diameter about 1200 mm, maximum length 1900 mm.

6. STANDARD IDENTIFICATION

Each coil with label reporting: Heat number, nominal diameter, steel quality (grade), weight and date of rolling. Additional colored label to distinguish different heats.

7. STANDARD CERTIFICATION

On demand Inspection Certificate according to EN 10204 3.1 and for diameter range 5,5 ÷ 13 mm the Declaration of Performance according to CPR (Reg UE 305/2011).

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