PITTINI

SGQ
ACCIAIERIE DI VERONA

TECHNICAL SPECIFICATION
WIRE ROD
QUALITY: G3V8/B

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1. DESCRIPTION

Weldable steel wire with Boron in coils for thin drawing. Chemical composition suitable for hot-dip galvanizing. Material according to ISO 16120-2 C4D standard.

2. HEAT CHEMICAL COMPOSITION

	C %	Mn %	Si %	P %	S %	B %
min	-	0.40	0.15	-	-	0.0055
max	0.06	0.60	0.20	0.025	0.025	0.0085

Product analysis deviations according to ISO 16120-2.

3. MECHANICAL AND DIMENSIONAL PROPERTIES

Tensile strength: Rm [MPa] ≤ 400
Elongation: A10 [%] ≥ 32
Diameter range: 5,5 – 21,5 mm
Diameter tolerance and out-of-round: according to ISO 16124 grade T2

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.

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