

## 1. DESCRIPTION

Binding Wire rod.

## 2. HEAT CHEMICAL COMPOSITION

	C %	Mn %	Si %	P %	S %
min	0.06	0.55	0.15	-	-
max	0.08	0.65	0.20	0.025	0.030

## 3. MECHANICAL AND DIMENSIONAL PROPERTIES

Tensile strength:  $R_m$  [MPa]  $\leq$  430

Elongation:  $A_{10}$  [%]  $\geq$  30

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]	$\pm 0,25$	$\pm 0,30$	$\pm 0,35$
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 2450 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.

Acciaierie di Verona S.p.A.  
Plant  
Lungadige A. Galtarossa,  
21/c  
37133 Verona  
Tel.: +39 045 805111  
Fax: +39 045 591564

Registered Office  
Z.I. Rivoli  
33010 Osoppo (UD)  
Tel.: +39 0432 062811  
Fax: +39 0432 062812  
[www.pittini.it](http://www.pittini.it)

