

## TECHNICAL SPECIFICATION: WIRE ROD C18 - SAE1018



### Description of the product

Weldable non-alloy steel wire rod for cold rolling and drawing

CHEMICAL COMPOSITION (REF. UNI EN ISO 16120-2 - ASTM A510M)									
	C	Mn	Si	P	S	Cu	Cr	Ni	Mo
Min	0.15	0.60	0.15						≤
Max	0.20	0,90	0.25	0.035	0.035	0.30	0.20	0.25	0.05

MECHANICAL PROPERTIES		
Rm (N/mm <sup>2</sup> )	A5 (%)	Z (%)
490 - 540	≥ 28	≥ 55

### Range of dimensions

- Diameter: 5.5 – 16 mm

TOLERANCE (EN 10017 - ISO 16124 grade T1)		
Diameter (mm)	Tolerance on	
	Diameter	Ovality
5,5 - 6 - 6,5 - 7 - 7,6 - 8 - 8,7 - 9	± 0.30	0.48
10 - 11 - 12 - 13 - 14 - 15	± 0.40	0.64
16	± 0.50	0.80

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### **Packaging**

**Coil strapped in 4 positions**

**Coil weight:**

- ~ 1420 kg

**Single-strap fastening with 7 mm diameter wire**

**Coil dimensions:**

- $\varnothing$  int. 850 ÷ 900 mm
- $\varnothing$  ext. 1100 ÷ 1200 mm
- height 1000 - 1100 mm

### **Labelling**

Each coil is identified with a metal or paper plastic label containing the following information:

- Company logo
- Heat number
- Diameter
- Weight
- Steel grade
- Production date
- Certification logos
- QR Code

### **Standards references**

UNI EN ISO 16120-1:2017: "Non-alloy steel wire rod for conversion to wire - Part 1: General requirements wire"

UNI EN ISO 16120-2:2017: "Non-alloy steel wire rod for conversion to wire - Part 2: Specific requirements for general purpose wire rod"

### **Certifications**

Each delivery is accompanied by the certificate 3.1 (standard UNI EN 10204)