

**TECHNICAL SPECIFICATION: WIRE ROD  
S355J2 – S355J2R\*****Description of the product**

Weldable steel wire rod for cold rolling and drawing, suitable for hot-dip galvanizing

**CHEMICAL COMPOSITION (REF. EN 10025-2)**

	C	Mn	Si	P	S*	Cu	Al
Min	0.16	1.10	0.15		0.015		0.020
Max	0.20	1.30	0.25	0.025	0.030	0.35	0.040

**MECHANICAL PROPERTIES**

Re (N/mm <sup>2</sup> )	Rm (N/mm <sup>2</sup> )	A5 (%)	Z (%)
≥ 355	520 - 600	≥ 25	≥ 60

**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)