

TECHNICAL SPECIFICATION: WIRE ROD C25 – C25R*



Description of the product

Weldable steel wire for drawing, suitable for hot-dip galvanizing.

| CHEMICAL COMPOSITION (REF. UNI EN ISO 683-1) | | | | | | | | | |
|--|------|------|------|-------|-------|------|------|------|------|
| | C | Mn | Si | P | S* | Cu | Cr | Ni | Mo |
| Min | 0.23 | 0.50 | 0.15 | | 0.020 | | | | ≤ |
| Max | 0.28 | 0,70 | 0.25 | 0.025 | 0.035 | 0.30 | 0.20 | 0.25 | 0.08 |

| MECHANICAL PROPERTIES | | |
|----------------------------|-----------|----------|
| Rm (N/mm ²) | A5 (%) | Z (%) |
| 520 - 600 | ≥ 25 | ≥ 50 |

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)