



# MATERIAL SPECIFICATION SHEET

## GRADE: C66



### Material nº:

No: -

### Equivalencia norma - Standard Reference:

ISO 16120-2

### Other references:

1065 Mod ASTM A29/A29M

### Tipo de acero - Steel type:

Medium and high Carbon Steels

### Aplicación - Application:

Wire rod with medium-high Carbon (up to %C=0,88) in order to achieve very high tensile strength. If necessary, %Cr is added.

Applications like high-strength ropes, mechanical springs, wires and strands for pre and post-stressed concrete, hoses, ACSR strands, conductor cables, mattress springs

### Composición química (%) - Chemical composition (%):

Element	Min	Max
%C	0,63	0,68
%Mn	0,50	0,80
%Si	0,10	0,30
%P		0,030
%P		0,030

## Característica mecánicas bruto - Mechanical characteristics (As rolled)

**Resistencia** - Tensile strength (Mpa) 1100 max

**Estricción** – Reduction of area (%) 35 min

## Tolerancias dimensionales - Dimensional tolerances

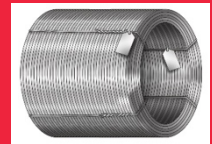
According to **EN 10108 Class B**

## Calidad superficial - Surface quality

According to **ISO 9443:2018 class B**

Material verified by **Eddy Current Control**

## Dimensiones y peso del rollo – Coil dimensions and coil weight



**3100 kg or 2600 kg aprox.** and half coils packed together of 1650 kg or 1300 kg aprox. Each coil tied minimum with four strips

### Stelmor line (rod sizes from 5.5 up to 24.0 mm)

Coil weight (kg) aprox.	Coil length (mm) aprox.	Inner diameter (mm) aprox.	Outer diameter (mm) aprox.
2600	1800	800	1250
3100	2000	800	1250

Note: when cutting the coil ties, the length can be increased significantly.

### Stelmor line: Half coils

Coil weight (kg) aprox.	Coil length (mm) aprox.	Inner diameter (mm) aprox.	Outer diameter (mm) aprox.
1300	900	800	1250
1550	1000	800	1250

Note: half coils are delivered in bundles of two coils packed together.

## Hot coiling line (rod sizes from 25.0 up to 52.0 mm)

Coil weight (kg) aprox.	Coil length (mm) aprox.	Inner diameter (mm) aprox.	Outer diameter (mm) aprox.
2600	1700	880	1300
3100	1800	880	1300

Note: when cutting the coil ties, the length should not have a significant increase.  
Other coil weights could be made, if customer needs.