CELSA GROUP | GLOBAL STEEL WIRE

MATERIAL SPECIFICATION SHEET

GRADE: C10E

Material nº:

No: **1.121**

Other references:

ISO 683-3

Equivalencia norma -
Standard Reference:

EN 10084 / EN 10277

Tipo de acero -
Steel type:

Cold Drawing Steels

Aplicación - Application:

Wire rod for a process of cold drawing to be passed through of a die to achieve a desired dimension (with a % of reduction) with the correct mechanical properties and better dimensional tolerances. Cold refers to the drawn steel being manufactured at room temperature.

Depends of final application of these bars, they could be used for machining.

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

Element	Min	Max
%C	0,07	0,13
%Mn	0,30	1,60
%Si	0,15	0,40
%P		0,035
%S		0,035
%Cr		0,40

%Ni		0,40
%Cu		0,30
%Mo	0	0,10

Característica mecánicas bruto - Mechanical characteristics (As rolled)

Resistencia - Tensile strength (Mpa) 550 max

Tolerancias dimensionales - Dimensional tolerances

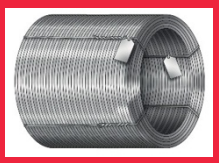
According to **EN 10108 Class B**

Calidad superficial - Surface quality

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

Material verified by **Eddy Current Control**

Dimensiones y peso del rollo – Coil dimensións 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.
2650	1800	900	1250
3150	2000	900	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.
1325	900	900	1250
1575	1000	900	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.
2650	1700	950	1300
3150	1800	950	1300

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

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