

MATERIAL SPECIFICATION SHEET

GRADE: 11SMN37


Material nº:

No: 1.0736

Equivalencia norma -
Standard Reference:

DIN EN 10277

Other references:

ISO 683-4

Tipo de acero -
Steel type:

Free Cutting Steels

Aplicación - Application:

Wire rod for cold drawing and final machined pieces. These steels provide better machinability, allowing shorter machining times. From resulphurized to leaded, the performance suits the customer's applications and needs.

Our range of free-cutting grades is **the perfect result** of our long experience in steelmaking and the application of the **most modern design and production techniques for high quality products.**

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

Element	Min	Max
%C		0,14
%Mn	1,00	1,50
%Si		0.05
%P		0.11
%S	0,34	0.40

Característica mecánicas bruto - Mechanical characteristics (As rolled)

Resistencia - Tensile strength (Mpa) 570 max

Dureza – Hardness (HB) 169 HB 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 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.
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 customer needs.