



Drawn Steel wire

TRR

Plain cold drawn steel wire in rolls and spools for steel nails, screws, cut to length bars, wire mesh manufacturing...

Applied standards:
The product is in accordance with:
• Tunisian Standard NT 26.135 (ISO 10544)
Characteristics of the plain wire:

Manufacturing:
The wire is cold drawn from rods that have been hot rolled from billets
Chemical composition:
It is a low carbon weldable steel wire

Carbon	Sulphur	Phosphorus	Silicon	Magnesium	Nitrogen	Carbon equivalent
C ≤ 0,22%	S ≤ 0,05%	P ≤ 0,05 %	Si ≤ 0,60 %	Mn ≤ 1,60 %	N ≤ 0,012 %	*Ceq ≤ 0,50%

$$*Ceq = C + Mn/6 + (Cr + V + Mo)/5 + (Cu + Ni)/15$$

Mechanical characteristics:

Tensile strength	Yield strength	Elongation at max load	Ductility ratio	Bend test
Ts ≥ 550 MPa	Ys ≥ 500 MPa	Agt ≥ 2%	Ts/Ys ≥ 1.03	yes

* Other characteristics on demand

• Linear weight tolerance:

Diameter	Tolerance
D ≤ 5mm	+/-9%
5mm > D ≤ 8mm	+/-8%
D > 8mm	+/-5%

- Out of round lower than 0,20mm
- Special diameter tolerance to be specified by the customer

Diameters from 2.7mm to 6mm packed in rolls of 100 to 600kg
Diameters from 5mm to 13mm packed in spools of 700 to 3000 kg

Range (diameter, weight kg/m)

Diameter (mm)	Weight kg/m
2.7	0.045
3	0.055
4	0.099
4.5	0.125
5	0.154
6	0.222
7	0.302
8	0.395
9	0.499
10	0.616
11	0.746
12	0.888
13	1.042

