

Galvanized steel wire on Coil



1. Product description

This technical datasheet specifies properties for galvanized steel wire on coil. The coils are mainly used for the production of fencing panels.

2. Normative references

- EN ISO 16120-2:2011-10: Non-alloy steel wire rod for conversion to wire
- EN 10218-2: Steel wire and wire products - General
Part 2: wire dimensions and tolerances
- EN 10244-2: Steel wire and wire products – non-ferrous metallic coatings on steel wire
Part 2: zinc or zinc-alloy coatings
- EN 1179: zinc and alloy – primary zinc

3. Mechanical and Chemical Properties

Diameter (mm)	Diameter Tolerance (mm)	Ovality (max./mm)	Tensile strength (MPa)	Min. Elongation min. Agt (%)	Galvanizing 99,995% zinc (EN 10244-2, Class D)	Helix (max./mm)
3,20	± 0,05	0,10	750-900	1,0	≥ 40 gr/m ²	300
3,40	± 0,05	0,10	750-900	1,0	≥ 40 gr/m ²	300
3,75	± 0,06	0,10	750-900	1,0	≥ 40 gr/m ²	300
4,00	± 0,06	0,10	700-850	1,0	≥ 40 gr/m ²	300
4,30	± 0,06	0,10	600-800	1,5	≥ 40 gr/m ²	300
4,50	± 0,06	0,10	600-800	1,5	≥ 40 gr/m ²	300
4,65	± 0,06	0,10	600-800	1,5	≥ 40 gr/m ²	300
5,00	± 0,07	0,10	600-800	1,5	≥ 40 gr/m ²	300
5,50	± 0,07	0,10	550-750	1,5	≥ 40 gr/m ²	300
5,55	± 0,07	0,10	550-750	1,5	≥ 40 gr/m ²	300
6,30	± 0,07	0,10	550-750	1,5	≥ 40 gr/m ²	300
7,50	± 0,08	0,10	550-750	1,5	≥ 40 gr/m ²	300
7,55	± 0,08	0,10	550-750	1,5	≥ 40 gr/m ²	300
8,30	± 0,08	0,10	550-750	1,5	≥ 40 gr/m ²	300

	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	CEV
Min.	0,04	0,14	-	-	-	-	-	-	-	-
Max.	0,10	0,23	0,70	0,040	0,040	0,40	0,15	0,15	0,08	0,50

4. Coil dimensions

D : 800 - 1100 mm
d : 580 - 620 mm
h : 600 or 750 mm
L : Unwinding left
Weight : 1000 - 2600 kg

6. Packaging forms

The coil is tied by 4 galvanized steel straps 32x0,8 mm.

7. Inspection document

Test report 2.2 - EN 10204 on request.

5. Helix

Maximum helix of 300 mm.

