

Doc. no	PR.27.TDS.04
Rev. No	01
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1. Product description

This technical datasheet specifies properties for galvanized steel wire on coil.

2. Normative references

- EN ISO 16120-1 - Non-alloy steel wire rod for conversion to wire -Part 1: General requirements
- EN ISO 16120-2 - Non-alloy steel wire rod for conversion to wire - Part 2: Specific requirements for general purpose wire rod
- EN 10244 – 2 - Steel wire and wire products. Non-ferrous metallic coatings on steel wire. Zinc or zinc alloy coatings
- EN 10218-2 - Steel wire and wire products-General-Part 2: Wire dimensions and tolerances

3. Mechanical Properties

Nitrogen wiping;

Tensile Strength N/mm ²	Diameter (mm) and Coating mass (gr/m ²)				
	0,65 ≤ d ≤ 2,00	2,00 < d ≤ 2,50	2,50 < d ≤ 3,00	3,00 < d ≤ 4,00	4,00 < d ≤ 6,00
400-500	100-215	115-366	125-366	135-366	-
400-550	-	115-366	125-366	135-366	135-290
500-650	-	145-366	185-366	195-366	220-290
600-750	-	145-366	185-366	195-366	220-290
700-850	100-215	215-366	185-366	195-366	275-290
1100-1250	-	115-366	125-366	135-366	-
1200-1350	-	115-366	125-366	135-366	-
1350-1500	-	145-366	185-366	195-366	-
1500-1650	-	145-366	185-366	195-366	-
1750-1900	-	-	185-366	-	-

Pad wiping;

Tensile Strength N/mm ²	Diameter (mm) and Coating mass (gr/m ²)					
	0,65 ≤ d ≤ 2,00	2,00 < d ≤ 2,50	2,50 < d ≤ 3,00	3,00 < d ≤ 4,00	4,00 < d ≤ 6,00	6,00 < d ≤ 7,60
400-500	50	50	50-70	50-70	-	-
400-550	-	50	50-70	50-70	50-70	-
500-650	-	50	50	50	50-70	50-70
600-750	-	50	50	50	50-70	50-70
700-850	50	50	50	50	50-70	-
1100-1250	-	50	50	50	-	-
1200-1350	-	50	50	50	-	-
1350-1500	-	50	50	50	-	-
1500-1650	-	50	50	50	-	-
1750-1900	-	-	50	-	-	-

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4. Chemical Properties

The chemical properties of the supplied raw materials according to ISO 16120-2 are given in the table.

Quality	C %	Mn %	Si %	P %	S %
C7D	0,05-0,09	0,30-0,60	max. 0,30	max. 0,035	max. 0,035
C9D	max. 0,10	max. 0,90	max. 0,30	max. 0,035	max. 0,035
C15D	0,12-0,17	0,30-0,60	max. 0,30	max. 0,035	max. 0,035
C18D	0,18-0,23	0,30-0,60	max. 0,30	max. 0,035	max. 0,035
C42D	0,40-0,45	0,50-0,80	0,10-0,30	max. 0,030	max. 0,030
C76D	0,73-0,78	0,50-0,80	0,10-0,30	max. 0,030	max. 0,030
C82D	0,80-0,85	0,50-0,80	0,10-0,30	max. 0,030	max. 0,030

5. Inspection Document

Inspection document 3.1 – EN 10204 on request.

6. Packaging Forms

Package dimensions for rosetten coils;

Wire Diameter (mm)	Package Weight (kg)	Inner Diameter (cm)	Outer Diameter (cm)
$0,65 \leq d \leq 0,80$	50 - 75	25	45
$0,80 < d \leq 1,60$	250	33	57
$0,80 < d \leq 1,60$	250 - 500	35	65
$1,00 \leq d < 6,00$	500 - 750 - 900	45	75
$2,00 \leq d \leq 6,00$	750 - 900	50	90
$4,50 \leq d \leq 7,60$	1250	55	105

Packages with an inner diameter of 35 cm are sent with a carrier only.



Winding: Anti-clockwise

Unwinding: Clockwise

Package dimensions for spoon coils;

Wire Diameter (mm)	Package Weight (kg)	Inner Diameter (cm)	Outer Diameter (cm)	Height (cm)	Spools
$3,00 \leq d \leq 7,60$	1000-1500-2000-2500	63	-	75	Without
$0,65 \leq d \leq 3,00$	max. 400	25	63	45	With iron spools