



## TECHNICAL SPECIFICATIONS

A) Commercial soft galvanized wire in coils:

### STEEL RAW MATERIAL QUALITY:

Wire rod SAE 1008 (according to ASTM A510M)

### DIAMETER:

From Ø1.50 to Ø4.90mm

### PACKAGING - WEIGHT:

Coils weighing 100 to 900kg per coil

B1) Heavily galvanized wire in coils:

For manufacturing of reinforced power cables

### STEEL RAW MATERIAL QUALITY:

Wire rod USD7 (according to DIN 17145)

### DIAMETER:

From Ø1.60 to Ø3.90mm

### PACKAGING - WEIGHT:

Coils weighing 100 to 900kg per coil

B2) Heavily galvanized wire in coils:

For manufacturing of heavily galvanized mesh and weaving mesh for gabions

### STEEL RAW MATERIAL QUALITY:

Wire rod SAE 1008 & SAE 1010 (according to ASTM A510M)

### DIAMETER:

From Ø2.00 to Ø3.90mm

### PACKAGING - WEIGHT:

Coils weighing 100 to 900kg per coil

C) Semi-hard galvanized wire in coils:

### STEEL RAW MATERIAL QUALITY:

Wire rod SAE 1008 & SAE 1010 (according to ASTM A510M)

### DIAMETER:

From Ø1.50 to Ø4.90mm

### PACKAGING - WEIGHT:

Coils weighing 100 to 900kg per coil

# WIRE GALVANIZED



Galvanized wire is produced by ERLIKON at the Kilkis plant, using steel wire drawn and galvanized with zinc coating quantity depending on type and diameter.



## SALES NETWORK

[www.sidenor.gr](http://www.sidenor.gr) • [www.erlikon.gr](http://www.erlikon.gr) • [www.stomana.bg](http://www.stomana.bg)

### GREECE

#### SIDENOR SA

33, Amarooussiou-Halandriou str., GR-15125, Maroussi, Athens, Greece  
Tel.: (+30) 210-6787782  
Fax: (+30) 210-6787740

### GREECE

#### ERLIKON SA

Panteleimon, Nea Santa, P.O. Box 71, GR-61100 Kilkis, Greece  
Tel.: (+30) 2310-790250  
Fax: (+30) 2310-790290

### BULGARIA

#### STOMANA SA

1, Vladaisko Vastanie str., BG-2304 Pernik, Bulgaria  
Tel.: (+35) 976-681013  
Fax: (+35) 976-681951



## DIAMETERS, TOLERANCES, ZINC COATING AND HARDNESS

### COMMERCIAL SOFT GALVANIZED WIRE



DIAMETER (mm)	DIAMETER TOLERANCES according to EN 10218-02 class T1 (mm)	MAXIMUM PERMISSIBLE OUT-OF-ROUNDNESS according to EN 10218-02 class T1 (mm)	MINIMUM ZINC COATING according to EN 10244-02 class C (gr/m <sup>2</sup> )	TENSILE STRENGTH (N/mm <sup>2</sup> )
1.50	+/- 0.045	0.0225	70	<515
1.60	+/- 0.045	0.0225	70	<515
1.80	+/- 0.050	0.0250	75	<515
1.90	+/- 0.050	0.0250	80	<515
2.00	+/- 0.050	0.0250	80	<515
2.20	+/- 0.060	0.0300	85	<515
2.40	+/- 0.060	0.0300	85	<515
2.70	+/- 0.060	0.0300	95	<500
3.00	+/- 0.070	0.0350	100	<500
3.40	+/- 0.070	0.0350	105	<500
3.90	+/- 0.070	0.0350	110	<500
4.50	+/- 0.080	0.0400	110	<500
4.90	+/- 0.080	0.0400	110	<500

### HEAVILY GALVANIZED WIRE

(for manufacturing of reinforced power cables)



DIAMETER (mm)	DIAMETER TOLERANCES according to EN 10257-01 (mm)	MINIMUM ZINC COATING according to EN 10244-02 class A (gr/m <sup>2</sup> )	TENSILE STRENGTH EN 10257-01 according to (N/mm <sup>2</sup> )	MAXIMUM RESISTANCE according to EN 10257-01 (ohms/km at 20 °C)
1.60	+/- 0.045	195	340-500	68.64
2.00	+/- 0.050	215	340-500	43.93
2.50	+/- 0.060	245	340-500	28.11
3.15	+/- 0.070	255	340-500	17.71

### HEAVILY GALVANIZED WIRE (for manufacturing of heavily galvanized mesh and weaving mesh for gabions)



DIAMETER (mm)	DIAMETER TOLERANCES according to EN 10218-02 Class T1 (mm)	MINIMUM ZINC COATING according to EN 10244-02 class A (gr/m <sup>2</sup> )	TENSILE STRENGTH (N/mm <sup>2</sup> )
2.00	+/- 0.050	215	<515
2.50	+/- 0.060	245	<500
3.00	+/- 0.070	255	<500
3.90	+/- 0.070	275	<500

### SEMI-HARD GALVANIZED WIRE



DIAMETER (mm)	DIAMETER TOLERANCES according to EN 10218-02 Class T1 (mm)	MINIMUM ZINC COATING (gr/m <sup>2</sup> )	TENSILE STRENGTH (to order) (N/mm <sup>2</sup> )
1.60	+/- 0.045	50	500-850
1.80	+/- 0.050	50	500-850
2.00	+/- 0.050	50	500-850
2.20	+/- 0.060	60	500-850
2.50	+/- 0.060	60	500-850
3.00	+/- 0.070	70	500-850
3.50	+/- 0.070	70	500-850
4.00	+/- 0.070	80	500-850
4.50	+/- 0.080	80	500-850
4.90	+/- 0.080	80	500-850