



**SIDENET**

DOUBLE TWIST HEXAGONAL MESH



**SERASANETTI**

WEAVING MESH IN ROLLS - GABIONS - SACK GABIONS

 **ERLIKON**  
WIRE PROCESSING S.A.

 **SIDENOR GROUP**



# SIDENET

DOUBLE TWIST HEXAGONAL MESH

## Double Twist Hexagonal Mesh (serasanetti)

The double twist hexagonal mesh is offered with the form of weaving mesh and the form of gabions.

**Economy:** Low cost because installation does not require skilled labor and stone fill is available on site or from nearby quarries. It requires little foundation preparation. Low cost maintenance.

**Ecology:** It is friendly to the environment particularly gabions. It has been realised that their filling with stone creates voids which allow the interaction between ground and waters and deposition of earth in the lower intervals of stone so that it promises future growth of vegetation.

**Aesthetics:** Regions after the installation of mesh roles or gabions, changes in good looking structures.

### a) Weaving mesh in rolls

Double twist hexagonal mesh in rolls, with mesh size 8X10 cm. Fabricated from heavy zinc coated steel wire with increased zinc coating. Weaving mesh applications concern in fixing armoring sides with abrupt bent or stabilization of ground from erosion, and roadway protection against soil sliding as well (it functions as protective net).

### b) Gabions – Sack gabions

They are steel wire mesh baskets fabricated from mesh. Depending on their dimensions they are separated in equal dimensions cells. . The configuration of compartments becomes with internal diaphragms of same material. Each rectangle basket is strengthened regionally with bordered wire of bigger diameter than the rests. Cells are filled with natural stone. Internal diaphragms assure minimum stone migration within the basket. The applications of boxes concern in lining of steep slope torrents, lining of river sides for water control.

- Protection against high speeds soil movement
- Protection of settlements near coast
- Retaining structures wall flood, preventing works for bridges protection
- Preventing works

#### TYPE :

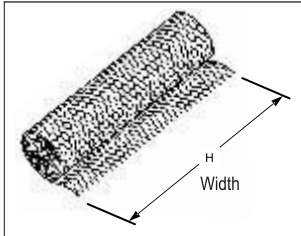
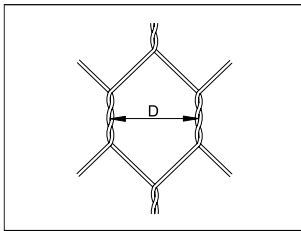
Weaving mesh fabricated from heavily zinc coated steel wire according to EN 10223-3

#### MATERIAL :

Heavily zinc coated steel wire according to EN 10244-02 and BS 1442/443 (weight of zinc coating) and according to EN 10218-02 (diameter tolerances)



## WEAVING MESH IN ROLLS



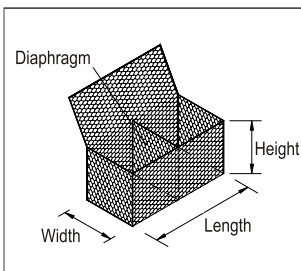
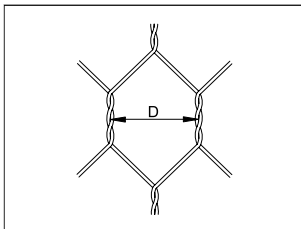
### MESH TECHNICAL DETAILS

WIRE MESH SIZE	D (mm)	TOLERANCE	DIAMETER (mm)	MINIMUM ZINC COATING (gr/m <sup>2</sup> )
8x10	80	+16% / -4%	3,0 (± 0,07)	275

### ROLL DIMENSIONS

LENGTH (m)	WIDTH (m)
25	2, 3, 4
50	2, 3, 4
100	2, 3, 4

## GABIONS – SACK GABIONS

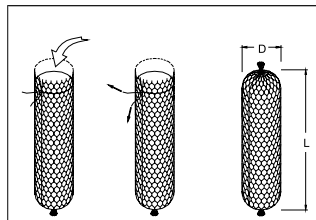
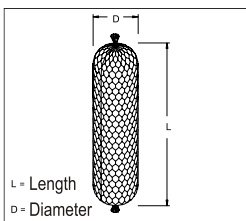


### MESH TECHNICAL DETAILS

WIRE MESH SIZE	D (mm)	TOLERANCE	DIAMETER (mm)	MINIMUM ZINC COATING (gr/m <sup>2</sup> )
8x10	80	+16% / -4%	3,0	275

### GABION DIMENSIONS

LENGTH (m)	WIDTH (m)	HEIGHT (m)	CELLS
2	1	0,5	2
3	1	0,5	3
4	1	0,5	4
1,5	1	1	1
2	1	1	2
3	1	1	3
4	1	1	4



### SACK GABION DIMENSIONS

LENGTH (m)	DIAMETER (m)	CAPACITY (m <sup>3</sup> )
2	0,95	1,41

Customer requirements for other wire dimensions as well as other dimensions of hexagonal weaving mesh, gabions and sack gabions, can be met upon request.





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