

Rolled mesh consists of zinc coated double twisted steel woven wire mesh manufactured in accordance with EN 10223-3. The steel wire used in the manufacture of the mesh is heavily zinc coated soft temper steel. The standard specifications for the wire-mesh are shown in Tables 1, 2, 3, 4.

Rolled mesh is used for a wide variety of civil applications. It is used in conjunction with other double twisted wire mesh products such as gabions, mattresses, etc. or it is used alone for rockfall applications, repair work, etc.

Wire

All tests on wire must be performed prior to manufacturing the mesh. All wire should comply with EN 10244-2, class A coating and galvanized. Wire used for the manufacture of rolled mesh and the lacing wire, shall have a maximum tensile strength of 500 Mpa and minimum 350 Mpa as per EN 10016-1 and EN 10016-2.

Woven Wire Mesh Type 6x8 and 8x10

The mesh and wire characteristics shall be in accordance with EN 10223-3. The minimum mesh properties for strength and flexibility should be in accordance with the following:

Mesh Type	D (mm)	Mesh Tensile Strength (kN/m)	Mesh Connection to Selvedge (kN/m)	Punch Test (kN)
6x8	60	2300	10.2	17.8
8x10	80	51.1	20.4	26.7

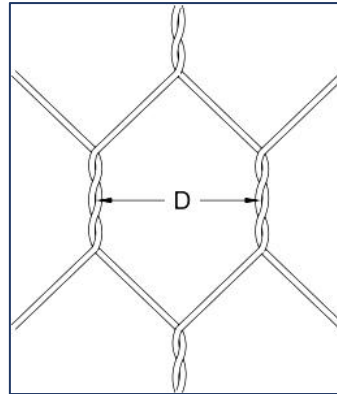


Figure 2



Figure 3 - Example of Rolled Mesh

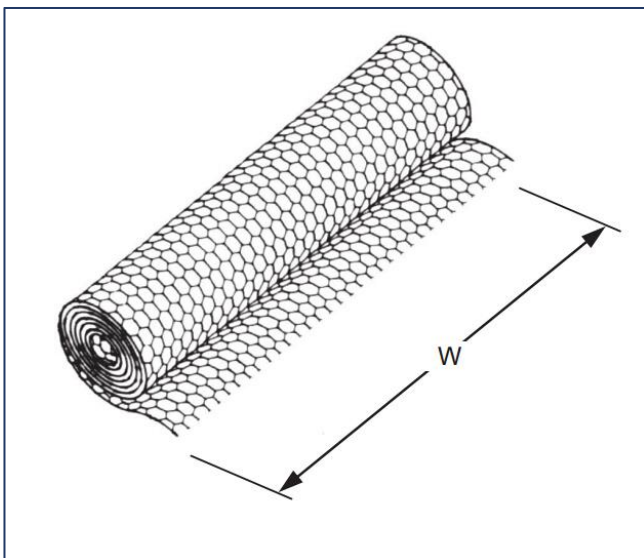


Figure 1



Figure 4 - Example of Rolled Mesh

ZHUODA GABION

Table 1 - Sizes for Mesh

L (m)	W (m)
50	2

All sizes and dimensions are nominal. Tolerances of +/- 1% of the length, and 5% of the width shall be permitted.

Table 2-Standard Mesh Wire

Mesh Type	D (mm)	Mesh Tolerance	Mesh Wire (mm)
6x8	60	-4% ~ +16%	2.20
8x10	80	-4% ~ +16%	2.70

Lacing Operations

Lacing operations are made by using lacing wire specified in Table 3 and described in Figure 5. Galvanized steel ring fasteners (Figure 6), using the appropriate tools shown in Figure 7 for connection, can be used instead of, or to complement lacing wire.

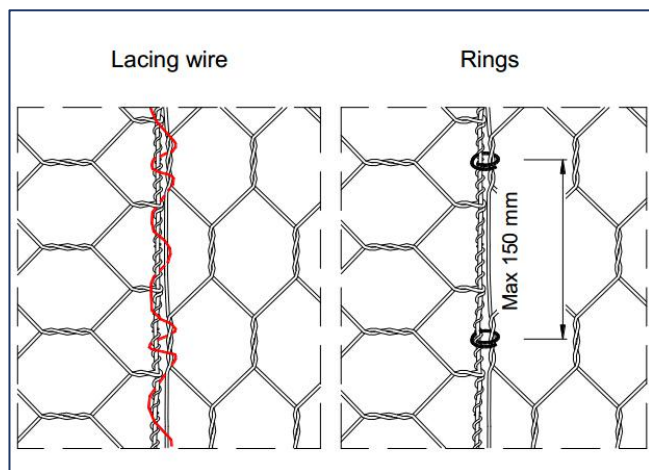


Figure 5

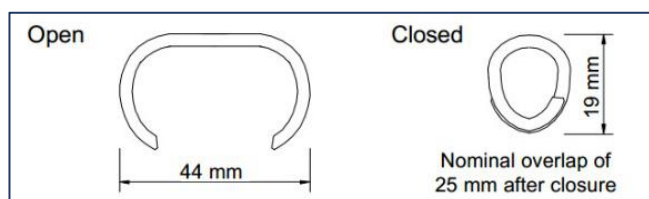


Figure 6

Table 3-Standard Wire Diameters

Mesh Type	Mesh Wire (mm)	Selvage Wire (mm)	Lacing Wire (mm)
6x8	2.20	2.70	2.20
8x10	2.70	3.40	2.20

Table 4-Wire Tolerances and Zinc Coating

Wire Diameter ø mm	2.20	2.70	3.40	3.90
Wire Tolerance (±) ø mm	0.06	0.06	0.07	0.07
Min. Qty of Zinc gr/m2	230	245	265	275



Figure 7

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