



HEBEI SHENG MAI CONSTRUCTION MATERIAL TECHNOLOGY CO.,LTD

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QUOTATION SHEET

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Products Detail

Gabion basket

GABIONS (gabion basket) consist of rectangular units, fabricated from a double-twisted hexagonal mesh. Filled with stones, gabions become large, flexible and permeable elements from which a broad range of structures may be built. Gabions and mattresses are widely used for hydraulic and geo- technical control such as retaining walls, riverbank protections, weirs, channel linings etc.

GABIONS (gabion basket) are divided into cells with diaphragms (usually spaced at 1 meter or 3' intervals), whose function is to reinforce the structure. The mesh (except for the diaphragms) is reinforced on all edges with wires of a larger diameter to strengthen the gabions and facilitate the assembly and installation.

Lacing and bracing wire is the wire used to assemble and join the gabion units.

Connecting wires are the internal wires used to prevent the gabions from bulging during filling.

INTERNATIONAL STANDARD TO FOLLOW:

ASTM 975 standard:

Style 1 galvanized wire as per ASTM A 641, class 3 soft temper

Style 2 style 1 and overcoated with PVC

Style 3 Zn-5Al-MM coated wire as per ASTM A 856

EN 10223-3 standard:

Galvanized wire meets EN 10244-2 and old BS 443

Tensile strength between 380N/mm² and 550N/mm² according to BS 1052.

TOLERANCES:

On the hexagonal, double-twisted wire mesh opening shall not exceed $\pm 10\%$ on the nominal dimension D values (see figure), as follows:

Mesh Type Nominal Dimension D Values

8 x 10 83mm (3.25 in.)

Table 1 mesh characteristics

Length	Width	Height	No.	Volume M3
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M	M	M	Of Cells	
Meter	Meter	Meter	Each	Cu.meter
2.0	1.0	1.0	2.0	2.0
3.0	1.0	1.0	3.0	3.0
4.0	1.0	1.0	4.0	4.0
2.0	1.0	0.5	2.0	1.0
3.0	1.0	0.5	3.0	1.5
4.0	1.0	0.5	4.0	2.0
2.0	1.0	0.3	2.0	0.6
3.0	1.0	0.3	3.0	0.9
4.0	1.0	0.3	4.0	1.2

Table 3 typical gabions size (feet)

Length Feet	Width Feet	Height Feet	No. Of Cells Each	Volume Yd3 Cu.Yard
6.0	3.0	3.0	2.0	2.0
9.0	3.0	3.0	3.0	3.0
12.0	3.0	3.0	4.0	4.0
6.0	3.0	1.5	2.0	1.0
9.0	3.0	1.5	3.0	1.5
9.0	3.0	1.5	3.0	1.5
12.0	3.0	1.3	4.0	2.0
6.0	3.0	1.0	2.0	0.67
12.0	3.0	1.0	4.0	1.33

