



GABION BASKETS

Product Data Sheet

April 2020

GB (Gabion Basket) are galvanized steel double twisted woven wire mesh filled with stone and used for various applications including but not limited to retaining walls, slope paving, outfall structures, weirs, drop structures and stream bank protection. The Double Twisted Hexagonal Mesh Gabion Baskets are manufactured in accordance with and meet the guidelines of ASTM A975-97. The stone fill material used for filling the gabion units is clean, hard stone with pieces ranging from 4 - 8 inches on the greatest dimension. Made in the USA.

Gabion Basket Standard Sizes, Strength Provided and Index Test Values

GB Unit Standard Sizes

<u>Gabion Unit Size</u>	<u>Capacity CY</u>	<u>No. of Internal Cells</u>
6x3x3	2.00	2
9x3x3	3.00	3
12x3x3	4.00	4
6x3x1.5	1.00	2
9x3x1.5	1.50	3
12x3x1.5	2.00	4
6x3x1	0.67	2
9x3x1	1.00	3
12x3x1	1.34	4

Minimum Strength Requirements of Double Twisted Mesh Gabions

<u>Test Description</u>	<u>Galvanized</u>	<u>Gabion PVC Coated</u>
Tensile strength of wire mesh parallel to twist	3500 lbs/ft	2900 lbs/ft
Tensile strength of wire mesh perpendicular to twist	1800 lbs/ft	1400 lbs/ft
Connection to selvages	1400 lbs/ft	1200 lbs/ft
Panel to panel	1400 lbs/ft	1200 lbs/ft
Punch strength of mesh	6000 lbs/ft	5300 lbs/ft

Material Data

- Diameter of Mesh wire is 0.120 inches
- Diameter of Selvedge wire is 0.153 inches
- Diameter of Lacing Wire is 0.091 inches
- Coating of wire is a finish 5 class 3 zinc coating ASTM A-641 testing in accordance with ASTM A370-92
- Tensile of wire is soft temper in accordance with ASTM A641-92
- Weight of zinc coating is determined by ASTM A-90
- Wire diameter of 0.120 inches shall have a weight of zinc coating of 0.85 oz/sf
- Grade of zinc coating is high or special high grade in accordance with ASTM B-6, Table 1
- Uniformity of coating is determined by ASTM A-239
- Elongation if not less than 12% in accordance with ASTM A370-92
- Mesh openings are 8 cm x 10 cm or 3.25" x 4.5"

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