

Gabion baskets are constructed using double-twisted, hexagonal woven wire mesh in accordance with ASTM A975 standards. The wire utilized in the manufacturing of gabion baskets is made of soft, tensile, heavily galvanized steel. The double-twist feature of the woven wire mesh offers robustness, strength, and uniformity to the framework by providing a non-unraveling effect that hinders any accidental damage from spreading. The gabion baskets are divided into cells by inserting diaphragms at intervals of about 1 meter.

Property	ASTM	MYCS HDG	MYCS-PVC
Type of Steel	ASTM A-641	Soft Steel	Soft Steel
Tear Strength	ASTM A-370	< 12%	< 12%
Wire Diameter - Wire Mesh	ASTM A-975	3.05 mm	2.70 mm
Wire Diameter - Selvedge Wire	ASTM A-975	3.90 mm	3.40 mm
Wire Diameter - Lacing Wire	ASTM A-975	2.31 mm	2.31 mm
Mesh Type	ASTM A-975	8 by 10	8 by 10
Weight of Zinc Coating - Wire Mesh	ASTM A-641 - Class 3	260 g/m ²	244 g/m ²
Weight of Zinc Coating - Selvedge Wire	ASTM A-641 - Class 3	275 g/m ²	260 g/m ²
Weight of Zinc Coating - Lacing Wire	ASTM A-641 - Class 3	229 g/m ²	229 g/m ²
PVC Coating	ASTM A-975	N/A	> 0.40 mm

Permissible Tolerances:

± 5% of the width, height, and length of the gabions
 ± 0.1mm of the wire diameter

Applicable Standards:

ASTM A-975 Standard Specification for Double-Twisted Hexagonal Mesh Gabions and Revet Mattresses (Metallic-Coated Steel Wire or Metallic-Coated Steel Wire With Poly(Vinyl Chloride) (PVC) Coating)
 ASTM A-641 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
 ASTM A-370 Standard Test Methods and Definitions for Mechanical Testing of Steel Products



Property	ASTM	MYCS Gabion
Mesh Type	ASTM A-975	8 x 10
Mesh Opening	ASTM A-975	83 mm x 114 mm
D Value	ASTM A-975	83 mm
Mesh Tolerance	ASTM A-975	±10%
Mesh Wire Diameter - HDG	ASTM A-975	3.05 mm
Mesh Wire Diameter - PVC	ASTM A-975	2.70 mm