



PRODUCT DATA SHEET

METAL GABIONS

For Erosion Protection, Retaining Structure and Engineering Applications

SPECIFICATIONS OF GARWARE DOUBLE TWISTED HEXAGONAL STEEL WIRE MESH GABIONS

Parameters		Test Method	Tolerance	Specification - 2.7 mm				Tolerance	Specification - 3.0 mm		Tolerance	Specification - 2.2 mm	
Mesh Type		-	-	10 x 12		8 x 10		-	10 x 12	8 x 10	-	6 x 8	6 x 8
Description of Gabion		-	-	Zn + PVC	Zn only	Zn + PVC	Zn only	-	Zn only		-	Zn + PVC	Zn only
Mesh Opening, mm		-	-	100 x 120		83 x 114	84 x 114	-	100 x 120	83 x 114	-	64 x 83	64 x 83
Mesh Size, Nominal, mm		EN 10223-3	+16 %, -4 %	100	100	80	80	+16 %, -4 %	100	80	+16 %, -4 %	60	
		ASTM A 975	±10%	-	-	83	83	±10%	-	83	±10%	64	
Wire Diameter, mm	Mesh	EN 10223-3	± 0.06 mm	2.7				± 0.07 mm	3		± 0.06 mm	2.2	
	Selvedge		± 0.07 mm	3.4				± 0.08 mm	3.9		± 0.06 mm	2.7	
	Lacing		± 0.06 mm	2.2				± 0.06 mm	2.2		± 0.06 mm	2.2	
		ASTM A 641	± 0.08 mm	For all Wires				± 0.08 mm	For all Wires		± 0.08 mm	For all Wires	
Tensile Strength, N/mm ²		EN 10223-3	Range	350-500				Range	350-500		Range	350-500	
		ASTM A 641	max.	485				max.	485		max.	485	
Elongation at Break, %		EN 10223-3	min	10				min.	10		min.	10	
Zinc Coating, g/m ²	Mesh	EN 10244-2 ASTM A 641	min.	245				min.	260		min.	230	
	Selvedge			265					275			245	
	Lacing			230					230			230	
Adhesion of Zinc Coating		EN 10244-1	No flakes	No flakes				No flakes	No flakes		No flakes		
		ASTM A 641											
PVC Coating thickness, nominal, mm		EN 10223-3	min 0.35 mm	0.5	NA	0.5	NA	NA	NA		min 0.35 mm	0.5	NA
		ASTM A 975	min 0.38 mm								min 0.38 mm		
Mesh Strength, kN/m	Parallel	ASTM A 975	min			42.3	42.3	min	35*	51.1	min	33.6	33.6
	Perpendicular					20.4	20.4		17*	26.3		13.1	13.1

Notes:

1. Products also available as per requirements of specification ASTM A 975.
2. Above Parameters can be modified as on request. Conditions apply.
3. Garware-Wall Ropes Ltd. Reserves the right to change the specifications without prior notice.

Garware-Wall Ropes Ltd.

Geosynthetics Division

Regd. Off & Factory:

Plot No.11, Block D1, MIDC Chinchwad,

Pune – 411019. Maharashtra State, India.

Tel.: 91-020- 30780187, Fax: 91-020-30780350

E-mail: geo@garwareropes.com,

Website: www.garwareropes.com