

SSGF make Mechanically woven Double Twisted Hexagonal shape wire mesh Gabion Box Zinc 3.00mm Mesh Wire, 100X120mm Mesh Opening

Sr.No	Description	Requirements			Compliance
		Mesh	Selvedge	Lacing	
A	Wire Diameter				
	Zinc Coated Wire Diameter (mm)	3.00	3.90	2.20	IS 16014:2018 table 8
	Tolerance level in diameter (mm)	(+/-)0.08	(+/-)0.10	(+/-)0.06	
B	Tensile Strength & Elongation				
	Tensile Strength Requirement N/mm ²	350 -550 N/mm ²			IS 16014:2018 clause 6.1
	Elongation Requirement (%)	Minimum 10%			IS 16014:2018 clause 6.1
C	Zinc Coating Requirement (gm/m²)	Min 270	Min 280	Min 240	IS 16014:2018 table 8
D	Adhesion Test	No Flakes After Testing			IS 16014:2018 clause 7.1.2
E	Mesh Opening (Test as per IS 16014)				
	Mesh Size, D (mm)	100			IS 16014:2018 table 9
	Tolerance	(+ 10%) TO (-10%)			
F	Minimum Strength Requirement of Mesh Panel				
(i)	Tensile Strength Parallel to Twist	40.00 kN/m			IS 16014:2018 Clause 6.2 and 11.2 and table 7
(ii)	Tensile Strength Perpendicular to Twist	20.50 kN/m			
(iii)	Selvedge Strength	11.22 kN/m			
(iv)	Punch Strength	19.58 kN/m			
(v)	Panel to Connection Strength (Lacing wire/ Fasteners)	11.22 kN/m			
G	Tolerance in Gabion Box Sizes				
	Length and width	(+ 5%) TO (-5%)			IS 16014:2018 table 1
	Height > 0.3 meter	(+ 5%) TO (-5%)			
	Height < 0.3 meter	(+ 10%) TO (-10%)			
H	Typical Gabion Sizes				
	Length X Width X Height (In meter) / Number of Centre Diaphragms	4X1X1 (3nos) , 3X1X1 (2nos) , 2X1X1 (1nos) , 1.5X1X1 (0 nos) , 4X1X0.5 (3nos) , 3X1X0.5 (2nos) , 2X1X0.5 (1nos) , 4X1X0.3 (3nos) , 3X1X0.3 (2nos) , 2X1X0.3 (1nos)			IS 16014:2018 table 1

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