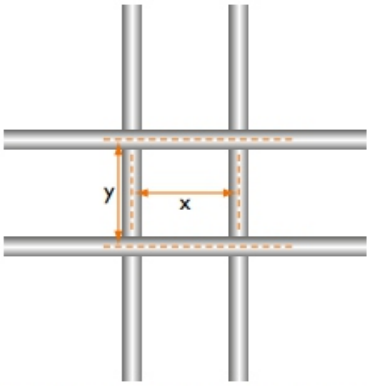
47 Chiremba Road, Braeside, Harare, Zimbabwe

Zimbabwe: +263 77 387 6017 UK: +44 77 1121 4470
Email: info@samslategroup.co.zw Website: www.samslategroup.co.zw

Gabion Design Specification : Bi-Axial Welded Mesh



SPECIFIED MESH BI-AXIAL WELDED
Nominal dimensions (x) and (y) : Gabions, 75mm Mattresses, 75mm

We offer solutions, examples of, and expert advice on the installation of gabion baskets using mesh panels for freestanding gabion walls, gabion fence, gabion wall cladding and Architectural or feature structural applications within the Architectural, industrial, and the Home owner domestic market. Fully made up gabion baskets or mesh rolls/panels are offered for more flexible use on building or civil engineering construction sites. We have done some interesting projects in the past and welcome queries to provide assistance to you in making your project a successful one.
We have highly experienced artisans that can build beautiful feature walls and gabion stone fences to enhance your property. Kindly contact us for further information.

Certification

Our gabion woven mesh is manufactured in South Africa in accordance with the requirements of **SANS 1580:2013** and the international standard **BS EN 10223-3:2013**, ensuring optimal tensile strength, corrosion resistance, and dimensional accuracy. The product is certified by **Agrément South Africa**, in compliance with the **National Building Regulations and Building Standards Act**, guaranteeing quality, structural integrity, and durability. Furthermore, our gabion systems are designed and installed following the guidelines of **SANS 675:2007**. Evidence of relevant certificates of conformity with respect to wire strength, weld strength and coating weights used in the manufacture of the mesh fabric and wire products are to be issued upon request.

Materials

The wire used in the manufacture of the gabions and installation accessories shall comply with the following:

Mesh Fabric
The mesh fabric shall be formed by electrically welding at each and every intersection, hard drawn steel line and cross wires into a dimensionally stable bi-axial square metric mesh of size **75mm x 75mm.** All wire is in accordance with the requirements of both **SANS 1580:2013** and the international standard **BS EN 10223-3:2013** with an ultimate tensile strength of between **350-550 Mpa.**

Note: Where no equivalent* **SAZ (Standards Association of Zimbabwe) *standard exists, our products conform to* **SANS 1580:2013** *and* **BS EN 10223-3:2013***, which are recognized and accepted for compliance within Zimbabwean engineering and construction practices under regional harmonization frameworks.*

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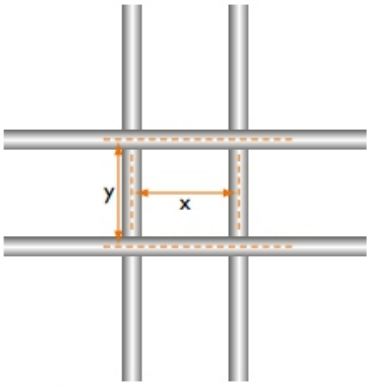

SPECIFIED MESH BI-AXIAL WELDED
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WELDED MESH 3.00MM			
Item	50mm x 50mm Aperture	50mm x 100mm Aperture	75mm x 75mm Aperture
Mesh Wire Diameter (mm)	3	3	3
Binding Wire Diameter (mm)	2.2	2.2	2.2
Tensile Strength - Wire	350-550 Mpa	350-550 Mpa	350-550 Mpa
Galvanising	Class A	Class A	Class A
Zinc Coating g/m²	285 g/m²	285 g/m²	285 g/m²
Wire Breaking Strength	2.2kN	2.2kN	2.2kN
Wire Classification	Mild Tensile Steel	Mild Tensile Steel	Mild Tensile Steel
SANS Specs	462 : 2005	462 : 2005	462 : 2005