

Rigid Weld Mesh Gabions



Freshly finished Garden Bed and Podium Wall, Pre-Landscaping efforts

Rigid Weld Mesh is hitting a high popularity mark in today's landscaping market. This form of gabion is manufactured into panels from a 4mm galfan steel wire,. This creates a straight face and offers an aesthetically appealing look compared to the alternative Double Twist Mesh Gabions which can bulge. Assembly of the gabions is very easy, no lacing – simply spin the spiral down the joins. There are many applications for gabions from retaining walls, fences, posts, garden features, stabilisation works. Gabions can be filled with a variety of materials, ranging

from blue river stone or sandstone, to recycled materials such as bricks and broken concrete, to enhance visual appearance.

Rigid mesh gabions come as separate panels, allowing for flexibility of sizings and structure. The gabions are assembled on site, involving the use of spiral connectors on each corner and between each panel, and bracing wires placed in the middle of each gabion to aid in stability of the product. Both of these items will be included in the price and purchasing of your unit.



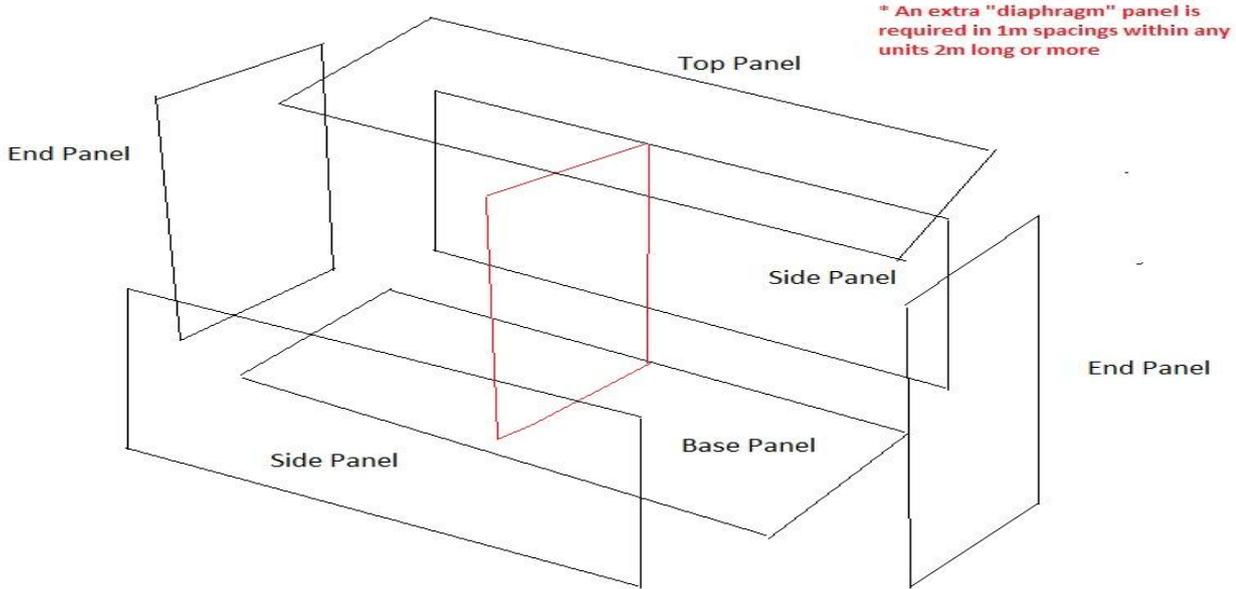
Please note whilst rigid mesh gabions are becoming very popular, due to the extensive range of panels, we have limited our stock to various sizes. Delivery times vary from anywhere between 1-6 weeks depending on manufacturing runs.

Panels are available in either Galfan or Galfan/PVC coating (PVC not stock item)
Mesh sizes are available in either 75mm x 75mm (Square) or 100mm x 50mm (rectangular – non stock item).
Specification Sheets are available for further details

Panel Sizes
2m x 1m
1m x 1m
1m x 0.5m
2m x 0.5m
0.5m x 0.5m
<i>Connecting spirals and internal braces also available</i>



Jezzine Barracks Redevelopment - Townsville



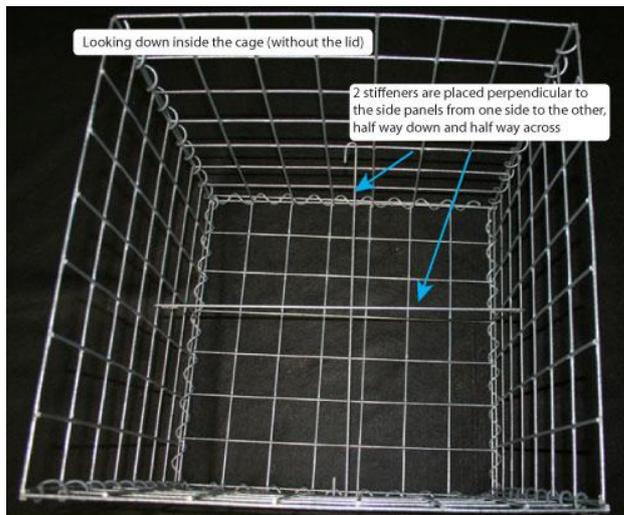
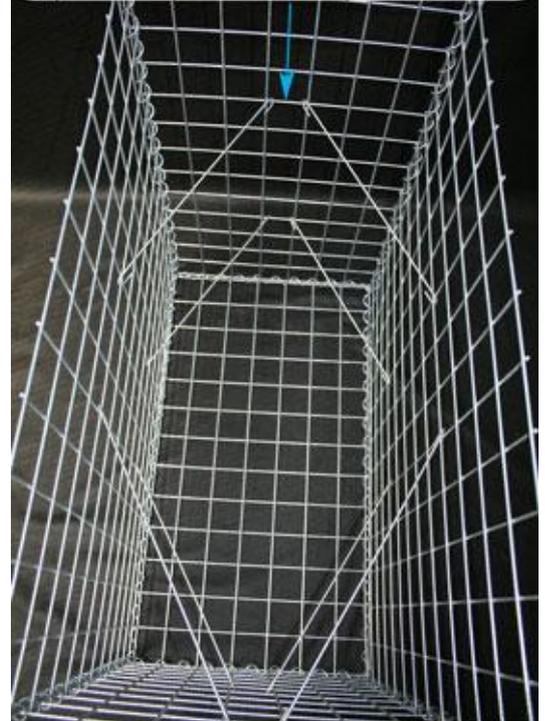
Each gabion consists of 6 panels – 1 x top; 1 x base; 2 x sides; 2 x ends.

Diaphragms also need to be inserted at 1m intervals, so this would apply to gabions 2m+ long.

Internal bracing wires are placed across each gabion corner at 1/3 and 2/3 intervals high within the box (see diagram on right).

.5m high units only have 1 lot of braces placed halfway up directly across the width (see diagram below)

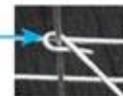
Attach stiffener wires (8) as per the photograph. They are placed evenly in each corner, top and bottom.



Close stiffener ends with pliers



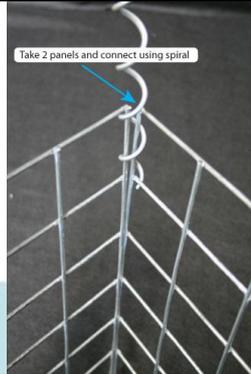
Close stiffener ends with pliers



Gabion Connectors

Rigid Mesh panels can be connected by the following options:-

Spiral Connectors – a simple, effective method of closing corners on rigid weld mesh gabions, also preventing the extrusion of sharp edges. Simple line the two panels up and twist the spiral through the mesh openings between each panel.



'C' Clips – are simply placed around the joins via each mesh opening and clamped down via a handheld tool, or with a pneumatic lacing tool for larger applications.



Gabion Fill

There are various options for gabion infill. The most commonly featured rock is quarried riverstone, often in blue, however it can depend on what is available locally, or what local quarries are crushing at the time. Selected landscapers may also stock a defined gabion rock (comes in specific size). If the wall is less than 1m in height and is not being used for structural purposes, various infills are often selected for aesthetic appeal.

Any infill used needs to be bigger than selected mesh aperture. No voids bigger than stone size are to be left between rocks.

Approx. 2 tonne of rock is required for every cubic metre.



Structural Purposes – rough edged, high density, closely packed together for stabilization	Non-Structural – can be used in walls less than 1m in height, can be light/less dense - NOT suitable for structural purposes	
Quarried Riverstone	Rounded Pebbles/Rock	
Granite Rock	Sandstone Rock	
Basalt/Bluestone Rock	Limestone Rock	
Porphyry (rare)	Pavers	
	Concrete (Broken into chunks)	
	Sliced Sleeper Logs	

Selected Suppliers of Gabion Rock – Cairns & Townsville Regions

Cairns	Townsville
Pioneer NQ – Edmonton & Innisfail Quarries	Bedrock Landscape Centre
Marinos Quarry	Townsville Mini Loads
Mt Carbine Quarry	Flinstones Landscape Land
Cairns Raw Materials	Pinnacles Quarry
Australian Porphyry Stone (Herberton – Porphyry only)	Black River Quarry

For more on Gabion information & Installation Guidelines, please contact our Sales Manager Christine Parry on 4751 5800 or salestvl@thegroundworkgroup.com.au