



Dunstall Hill Trading Estate,
Gorsebrook Road, Wolverhampton, WV6 0PJ
Tel 01902 712200
Fax 01902 714096
E-mail: sales@hy-tengabions.com
Web: www.hy-tengabions.com

Gabion Specification: Triple Life 3.0mm with 5.0mm wire diameter on face panel

MANUFACTURE:	<p>Gabions shall be manufactured from steel wire formed into a bi-axial mesh grid by electrically welding the cross wires at every intersection.</p> <p>Gabions to be factory assembled with triple life coated C rings connecting side panels and diaphragms to the base panel.</p>
MESH SIZE:	<p>Mesh Opening shall be square of nominal dimension of 76.2mm on the grid.</p>
MESH WIRE:	<p>Nominal wire diameter shall be 3.0mm for the body of the gabion and 5.0mm for the exposed face mesh, all to BS 1052. Tensile strength for this wire is 600-800N/mm².</p>
CORROSION PROTECTION:	<p>Wire shall be Triple Life (95% Zinc, 5% Aluminum) coated.</p>
JOINTING:	<p>Gabions shall be provided with lacing wire for site assembly. Lacing wire shall be of nominal wire diameter 2.2mm (all in accordance with the corrosion protection specified) for final jointing.</p>
ROCK FILL:	<p>Gabion fill shall be hard durable and non-frost susceptible rock or stone type having minimum dimension not less than the mesh opening and a maximum dimension of 100 mm-150mm.</p>
CONSTRUCTION:	<p>All rock fill shall be packed tightly to minimize voids and the rock fill on the exposed face of the gabion is to be hand packed.</p> <p>Internal windlass bracing ties 2, per 1 square meter at 1/3rd points vertically and mid-point horizontally on 1m deep units, and at mid height and mid-point horizontally on 0.5m deep units.</p> <p>Adjacent units to be joined by continuous lacing on the vertical and the horizontal joints at front and rear of coursing joints.</p> <p>An alternative method of fixing is to use helical binders.</p> <p>Units shall be filled such that the mesh lid bears onto the rock fill. The lids shall be wired down on all joints and across the diaphragms.</p>