

4.0MM WELD MESH GABIONS

GABIONS SHALL COMPLY WITH THE FOLLOWING SPECIFICATION

MANUFACTURE

Gabions to be manufactured from steel wire, resistance welded at intersections to form a dimensionally stable bi-axial mesh panel. Panels to be resistance welded at each and every intersection with a minimum average weld shear strength value of 75% of the minimum breaking strength of the wire.

Gabions to be factory assembled with galvanised steel clips connecting the side panels and diaphragms to the base panel. Gabions to be supplied flat packed for on site assembly.

WIRE:

Wire to be galvanised to EN 10244-2 steel wire and wire products - Non-ferrous metallic coatings on steel wire. Zinc or Zinc-alloy coatings on steel wire. ASTM B 750 standard specification for Galfan (95% Zn and 5% Al).

Nominal wire thickness to be 4.0 diameter to BS 1052:1980. Specification for mild steel wire for general engineering purposes with a typical wire tensile strength between 600-800N/mm² with tolerances to EN 10218-2 1996. Dimensional requirements to EN 10223-4 Steel wire and products.

MESH PANEL:

Mesh openings to be square with nominal dimension of 76.2mm x 76.2mm.

ERECTION OF GABION:

Gabions supplied to site flat packed (typically on pallets). For further erection details please see separate sheet.

ROCK FILL:

Please refer to installation guide (separate sheet).

FOUNDATION:

To design engineer's specification

ANCILLARIES:

Helicals (not supplied as standard) can be used for vertical joints and shall be of a nominal 4.0mm wire diameter.

Preformed Corner Bracing Ties (not supplied as standard) to be formed from a nominal 4.0mm wire diameter having minimum tensile strength of 350N/mm².



REGISTERED OFFICE ADDRESS

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1. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained from testing to current EN ISO standards
4. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
5. Installation details are available on request.

