



MACCAFERRI

Environmental Solutions

Update: June 2002

Maccaferri Inc. reserves the right to amend product specifications without notice and specifiers are requested to check as to the validity of the specifications they are using.

PRODUCT INSTALLATION GUIDE

Gabion Mats

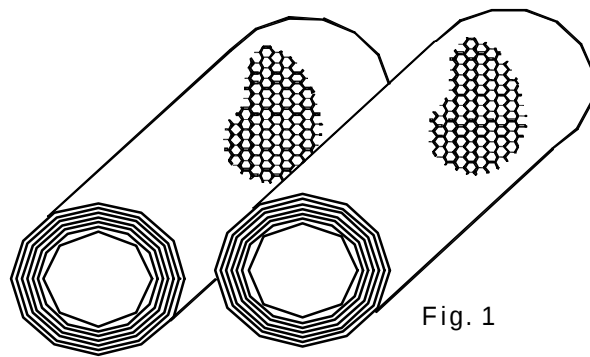


Fig. 1

Maccaferri gabion mats are delivered to the job site in rolls. The bases and lids are rolled separately. Bases appear larger than lids, because of the diaphragms attached inside the base.

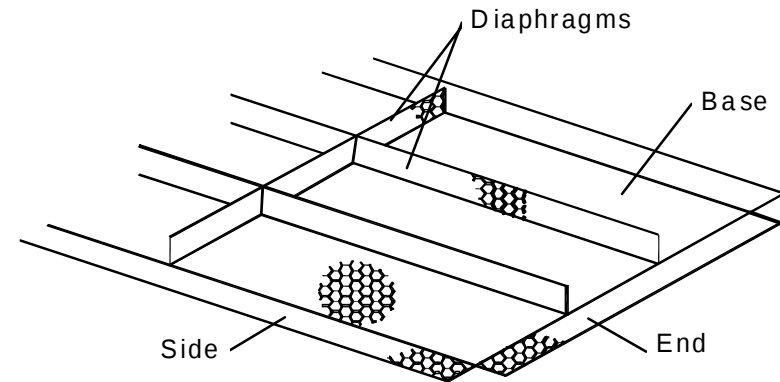


Fig. 2

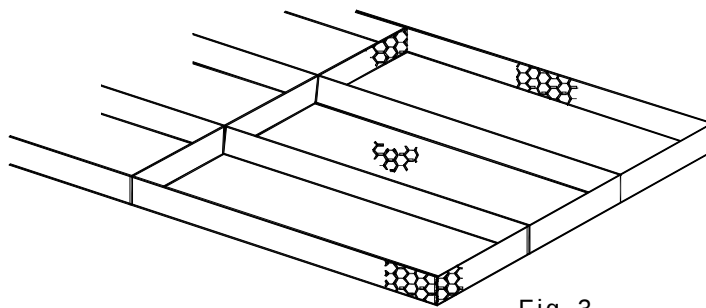


Fig. 3

1. Unroll the gabion mat base on or close to its final location.
2. Pull up the sides, diaphragms, and ends to form open cells, folding the mesh by hand to form the beginning and ends. Be sure the top of the ends, sides, and diaphragms are the same height. See Figure 2.
3. Attach internal diaphragms to the sides, ends, and adjoining diaphragms using the connecting procedures outlined in Step 4.

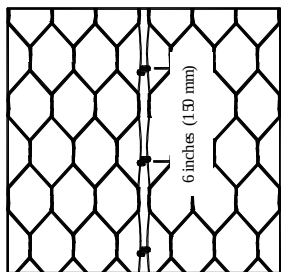


Fig. 4

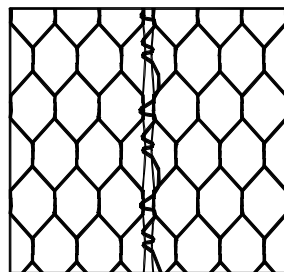


Fig. 5

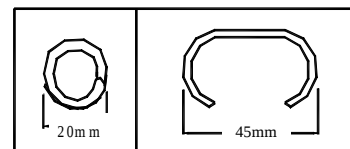


Fig. 6

The Spenax fastener has a diameter of 1.75 inches (45 mm) open and .75 inch (20 mm) closed.

4. Edges are joined together, using the appropriate lacing techniques or fasteners.

Lacing: Continuous wire looped tightly around every mesh opening, alternating single and double loops (Fig. 5).

Fasteners: Use a pneumatic or hand power tool, employing Spenax "C" shaped fasteners (Fig. 6). For closure and strength, the recommended spacing is every mesh opening, not to exceed 6 inches (150 mm) (Fig. 4).

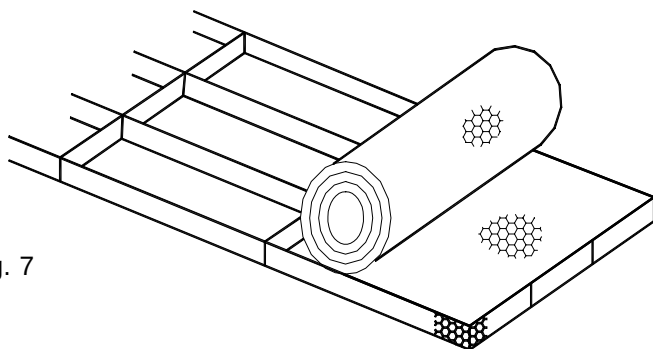


Fig. 7

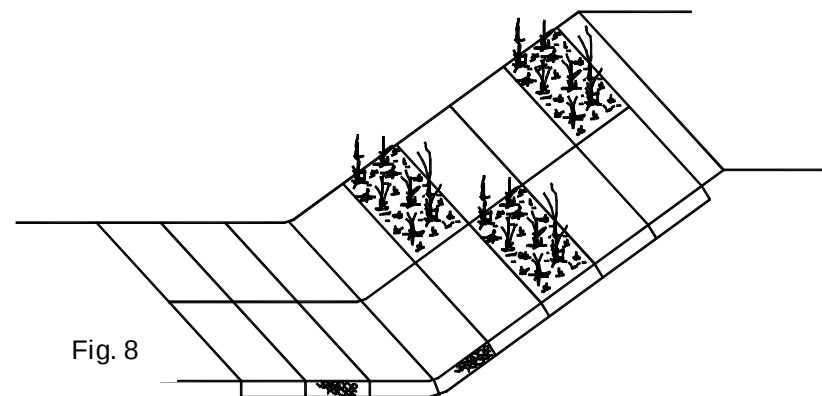


Fig. 8

5. Fill the cells with stone, beginning at the bottom of the slope. The filling operation can be accomplished with different kinds of loaders, but hand placing is often necessary in the cell corners.
6. Unroll the gabion mat lids over the rock filled bases (Fig. 7). Lids should be pulled tight so that the mesh applies pressure to the top layer of rock. Lace or ring the lid to the sides, ends, diaphragms, and adjoining gabion mats.



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Headquarters:
10303 Governor Lane Boulevard
Williamsport, MD 21795-3116, USA
tel: 301-223-6910
fax: 301-223-6134

MACCAFERRI INC.

West Sacramento, CA 95691-3400, USA
e-mail: hdqtrs@maccaferri-usa.com
website: www.maccaferri-usa.com

West Coast:
3650 Seaport Boulevard
West Sacramento, CA 95691-3400, USA
tel: 916-371-5805
fax: 916-371-0764