Why Use SRW Geogrid?

The soil behind retaining walls can exert tremendous pressure on the blocks. Geogrid is placed to resist that pressure, while being resistant to biological degradation and naturally encountered chemicals, alkalis and acids.

Benefits

- Adds strength and longevity to your wall
- Provides excellent stress transfer
- Helps prevent premature wall failure
- Easy to handle roll sizes
- Free preliminary designs

Applications

- Retaining Walls
- Steep Slopes/Embankments
- Sub-grade Stabilization
- Waste Containment
- Void Bridging

GEOGRID SPECIFICATIONS

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>Units</th>
<th>3 Series</th>
<th>5 Series</th>
<th>7 Series</th>
<th>8 Series</th>
<th>9 Series</th>
<th>10 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Term Design Strength lb/ft, MD</td>
<td>lb/ft</td>
<td>1161</td>
<td>2064</td>
<td>2867</td>
<td>3555</td>
<td>4329</td>
<td>5160</td>
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<tr>
<td>Aperture Size (avg) MD x CMD</td>
<td>.79&quot; x 1&quot;</td>
<td>.79&quot; x 1&quot;</td>
<td>.79&quot; x 1&quot;</td>
<td>.79&quot; x 1&quot;</td>
<td>.79&quot; x 1&quot;</td>
<td>.63&quot; x 1&quot;</td>
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<tr>
<td>Design Strength RFCR/RFID</td>
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<td>1.51/1.05</td>
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<td>1.51/1.05</td>
<td>1.51/1.05</td>
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</tbody>
</table>
| Free Preliminary Designs! | Stamped Engineering | The Pros Guides | Retaining Walls

Important notice: The recommendations and information presented herein are accurate to the best of our knowledge but will not apply to every installation. Specific applications will vary due to site conditions and installation procedures. Final determination of the use of any information or material is the sole responsibility of the user.

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Visit our website at SRWProducts.com

Specifications current at the time of printing. Call SRW Products 800-752-9326 for inquiries.
Geogrid Installation
For Retaining Walls up to 6 ft

1. Follow the installation instructions supplied with the retaining wall system, including foundation preparation, block alignment, core filling, drainage rock placement, backfill placement, and compaction. Backfill must be compacted and level with the top of the retaining block course prior to installation.

2. The geogrid should start near the face of the block and remain in one continuous piece to the back of the reinforced soil mass (no splicing). Butt together at edges — DO NOT OVERLAP GEOGRID.

3. SRW Universal and 3 Series grid are bi-directional and can be rolled out either perpendicular or parallel to the wall.

4. Install geogrid under tension—remove the slack by pulling the grid backwards from the wall face. A nominal tension can be maintained by staples or stakes, until the geogrid has been covered by at least 6 inches of structural fill.

5. Place the next course of block on top of the geogrid.

6. Backfill and compact the soil to 95% standard proctor. Always backfill and compact one course of block at a time. Keep an adequate cushion of soil between the geogrid and equipment.

7. Repeat process until retaining wall is completed.

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Site Preparation
Excavate to the lines and grades shown on the project grading plans and clear the ground surface of all debris. The segmental retaining wall units should be installed in strict accordance with the block manufacturer’s recommendations. Use the following guidelines when it is time for placement of soil reinforcement.

Geogrid Placement
Universal Geogrid may be placed parallel to or perpendicular to the retaining wall for walls 6 ft and under.

Bi-Directional
(Universal & 3 Series)
Can be rolled out either perpendicular or parallel to the wall.

Uni-Directional
(5–10 Series)
Must be rolled out perpendicular to the wall.

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Installing Curves
Geogrid placement for serpentine/curved retaining walls. DO NOT OVERLAP GEOGRID.

Concave Curves
Trim geogrid to fit within the curve.

Convex Curves
Trim geogrid to fit within the curve.

IMPORTANT: Retaining wall designs vary significantly with different site, soil and loading characteristics. It is the responsibility of the owner to ensure that soil parameters conservatively represent the site soils. Proper geotechnical information may need to be considered and additional geogrid may be required.Global stability has not been considered in this analysis. Water table elevations have not been evaluated into the structural integrity of these preliminary designs. It is assumed that water run off, all modes of failure, including global stability, will be verified by a qualified, licensed civil engineer, and that user will comply with all local building codes. SRW Products accepts no responsibility for the use of the information presented herein. Applicability of this information to a specific use or purpose is the sole responsibility of the user. NOTE: See your SRW Products dealer for a preliminary design request form if the retaining wall does not fit the parameters shown on the placement tables above.