Nothing brings more beauty to your outdoor living than a landscape beautifully adorned with paving brick and stone work. Now celebrating our 96th year in business, we have been providing the products and service that can turn any landscape into an earth-friendly and welcoming environment and can often increase the value of your home. Ever since my grandfather, Leo Fendt, began mining sand and gravel on our present site on Gill Road in Farmington, Michigan, in 1924, we’ve been creating building blocks for Michigan homes and businesses. But we have not just been passionate about the structural benefits of solid and durable masonry products and construction for thousands of homes, offices, factories and schools across the state. In the early '80s, my father’s passion guided us in finding new ways to turn common grounds into beautiful and purposeful outdoor living spaces. Our paving stones and retaining wall blocks have transformed the ordinary backyard into the extraordinary family oasis – a true extension of the home.

Michigan was built on good old-fashioned, hard-working, Middle-American, family values. We like to think we’re representative of those values. We work hard, like you do, to provide the best for our families. We shop locally, worship locally and we send our kids to the local schools. Because we believe that in order to be good at our business, we also have to be good neighbors. Embedded in the community. Always ready to lend a hand. We’re good listeners too. Charitable. Honest. Trustworthy. In fact, it’s truly been my pleasure, over the years, to be able to personally meet and discuss building and landscaping plans with customers like you at our local stores. It’s nice to know so many still appreciate quality products and service for a fair price. Funny, that’s been the cornerstone of our business since its inception. My grandfather, my father and I have all believed in the power of listening to our customers and letting their input help shape how we innovate and how we conduct business.

Without the dedication of the brave men and women who serve through our U.S. armed forces, our state and local police and fire departments, or as first responders, we wouldn’t be able to enjoy the freedoms we’re granted as American citizens. That’s why we’re honored to have provided the paving stones and wall stones adorning the Michigan State police post in Brighton, Michigan. To all who serve…thank you for your service!

As we approach our company’s centennial in business, our families would like to thank yours for the continued support and patronage throughout the years. We’re so humbled to have been able to provide service for so many great customers and we look forward to working with families like yours in the near future.

Sincerely,

Alan Fendt
President
Fendt is a proud member of both the Interlocking Concrete Pavement Institute (ICPI) and the National Concrete Masonry Association (NCMA). These organizations are recognized as the leading national associations for the advancement of properly designed and installed concrete paving stones and segmental retaining walls, respectively. We recommend that installations of our quality products follow the accepted installation standards of the ICPI and NCMA.

Fendt Builder’s Supply, Inc., guarantees the structural integrity of our paver and retaining wall products to the original purchaser for residential applications. Should any product prove defective by not meeting existing ASTM specifications and standards, it will be replaced without cost. Replacement labor and shipping costs are not included in this guarantee. Color matching of any replacement units cannot be guaranteed. Proof of original purchase is required.

GUIDELINES FOR NON-WARRANTED TOPICS

COLORS
The colors of products shown in this catalog are to be used as representations or guidelines only. The photography and printing processes are not fully capable of reproducing exact color of all products. Colors may also change from production run to production run. Not all colors are available in all shapes – check with the sales department for availability. Fendt Builder’s Supply, Inc., may change, amend, add or discontinue any product, shape, style or color at its sole discretion with no prior notification. To assure random color distribution, it is recommended that individual blocks and/or pavers be mixed from different pallets on the job site.

CLEANING AND MAINTENANCE
Efflorescence, a white deposit common on concrete and masonry surfaces, is a natural occurrence and no warranty or liability is either expressed or implied for this condition. Cleaners are available for the removal of efflorescence. Residues left on pavers and wall stones from saw-cutting of units or from improper installation of polymeric sands are not the responsibility of Fendt. Cleaners are available for these situations. The face of retaining walls can be stained due to mineral and soil-laden moisture in the backfill area. Cleaners and sealers are available for routine maintenance.

SNOW REMOVAL AND SALTING
Snow can be shoveled or plowed from pavers as readily as other pavements. High-strength, low-absorption Fendt pavers are more resistant to de-icing salts than ordinary concretes, but they can still be damaged by intense application. Magnesium chloride is less damaging to concrete surfaces than other rock salt (sodium chloride) or calcium chloride.
IDEA GALLERY – WALKWAYS

Pavers: Old World Vintage – Polar Ash
Accent Pavers: Old World Vintage XLR – Jet Black
Step Coping: Old World Bluestone Bullnose – Limestone Blend
IDEA GALLERY – PATIOS

PAVERS: 4x8 HOLLAND – POLAR ASH
WALLS: STONEGATE – SLATE
CAPS: 3x24 CAP – LIMESTONE BLEND
IDEA GALLERY – OUTDOOR KITCHENS

- Pavers: Old World Vintage - Limestone Blend
- Accent Pavers: Old World Vintage XLR - Jet Black
- Wall Stones: Old World Stonegate - Limestone Blend
- Accent Wall Band: Old World Stonegate - Slate
WALL & FIRE PIT: VERAZZO STONE - CAMEL
WALL & FIRE PIT CAPS: GLENSTONE & GLENSTONE BULLNOSE - CAMEL
STEPS: GLENSTONE BULLNOSE - CAMEL
PAVERS: HOLLAND SERIES - WALNUT BLEND
ACCENT PAVERS: HOLLAND 4x8 - SLATE
PIER ACCENT COURSE: GLENSTONE - SLATE
IDEA GALLERY – PRIVACY WALLS

WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND
ACCENT WALL COURSE: OLD WORLD STONEGATE – SLATE
CAP: 3x24 SMOOTH CAP – LIMESTONE BLEND
IDEA GALLERY – RETAINING WALLS

PAVERS: HOLLAND SERIES – WALNUT BLEND
STEP PAVERS: 4x8 HOLLAND – WALNUT BLEND
WALLS: COMPAC HEWNSTONE – CAMEL
CAPS: 3x24 CAP – WALNUT BLEND
IDEA GALLERY – OUTDOOR FIREPLACES

Pavers: Harbor Stone – Walnut Blend
Walls & Oven: Stonegate – Walnut Blend
Caps: 3x24 Cap – Slate
When it comes to choosing a pavement surface that combines beauty, strength, color, texture and durability, it's hard to look any further than interlocking concrete paving stones, or pavers, for the perfect answer for your driveway, walk or patio.

The wide range of styles and shapes gives the design flexibility to create the most imaginative layouts and patterns. The vast choices of vibrant colors open the possibilities to match virtually any color scheme that you can dream of. And the strength and durability of pavers will pass the most stringent engineering tests that concrete can be put through.

For many years, Fendt has been known as a premier and quality paver manufacturer with some of the richest and most varied colors available to the homeowner and designer alike. As you page through this catalog and begin to dream of your new or refurbished patio, pool deck or driveway, let your imagination dream what can be possible. Fendt — Dream in Color.
OLD WORLD HOLLAND 4x8

Units per sq. ft.: 4.5
Sq. ft per cube: 108
Weight per sq. ft.: 28 lbs.
Weight per cube: 3,024 lbs.

Sq. ft. per strap: 18
Soldier Coursing:
  Per Strap – 27 lineal feet
  Per Cube – 162 lineal feet

RIGHT:
PAVERS: OLD WORLD HOLLAND 4x8 – RUSTIC BLEND
BORDER: HOLLAND 4x8 – SLATE

BELOW:
PAVERS: OLD WORLD HOLLAND 4x8 – BURGUNDY BLEND
BORDERS: HOLLAND 4x8 – SLATE
OLD WORLD VINTAGE – LIMESTONE BLEND

Units per sq. ft.: 4.5
Sq. ft per cube: 108
Weight per sq. ft.: 28 lbs.
Weight per cube: 3,024 lbs.

Sq. ft. per strap: 18
Soldier Coursing:
  Per Strap – 27 lineal feet
  Per Cube – 162 lineal feet
PAVERS: OLD WORLD VINTAGE – POLAR ASH
ACCENT PAVERS: OLD WORLD VINTAGE XLR – JET BLACK

STANDARD COLORS
- O.W. WALNUT BLEND
- O.W. LIMESTONE BLEND

ELITE COLORS
- O.W. SEASHELL BLEND
- O.W. POLAR ASH
- O.W. SUMMER WHEAT
## OLD WORLD VINTAGE SERIES

### ROW  SMALL  LARGE  HALF  SQUARE  DIAMETER
NUMBER CIRCLE CIRCLE STONE STONE (INCHES) SEQUENCE

1 8 — — — 14-1/8 Next to each other
2 8 — 8 — 23-1/2 SC, HS, SC, HS, etc.
3 — 24 — — 33 Next to each other
4 — 24 7 1 42-1/2 LC, LC, LC, HS, LC, LC, HS, etc., plus a square at random
5 — 24 16 — 52 HS, LC, HS, LS, LC, LC, HS, LC, HS, LC, LS, etc.
6 — 24 24 — 61-1/2 LS, HC, LS, HC, etc.
7 — 22 23 9 71 LC, HC, LS, LS, Square, LS, LC, HS, LS, LC, HS, Square, etc.

### Note:
The extra Square Stones left from the Circle Cube can be used to enlarge the circle and to complete your project by themselves or with the stones from the Square/Small Rectangle (SSR) Cube and Large Rectangle (LR) Cube.

### Laying a Circle

<table>
<thead>
<tr>
<th>CIRCLE BOX (1 CIRCLE PER BOX)</th>
<th>UNITS PER SQ. FT.</th>
<th>UNITS PER LAYER</th>
<th>SQ. FT. PER LAYER</th>
<th>UNITS PER BOX</th>
<th>SQ. FT. PER BOX</th>
<th>SQ. FT. PER STRAP</th>
<th>WEIGHT PER SQ. FT.</th>
<th>WEIGHT PER SQ. FT. (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square</td>
<td>4-3/4&quot; x 4-3/4&quot; x 2-3/8&quot;</td>
<td>6.3</td>
<td>63</td>
<td>10.0</td>
<td>504</td>
<td>80</td>
<td>8.89</td>
<td>28</td>
</tr>
<tr>
<td>Large Circle</td>
<td>4-11/16&quot; x 4-5/16&quot; x 2-3/8&quot;</td>
<td>8.3</td>
<td>120</td>
<td>14.45</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Small Circle</td>
<td>4-11/16&quot; x 4-5/16&quot; x 2-3/8&quot;</td>
<td>8.7</td>
<td>16</td>
<td>1.8</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Half Stone</td>
<td>4-3/4&quot; x 3-5/8&quot; x 2-3/8&quot;</td>
<td>8.4</td>
<td>84</td>
<td>10</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td></td>
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<tr>
<td>Center Stone</td>
<td>4-3/4&quot; x 3-5/8&quot; x 2-3/8&quot;</td>
<td>9.0</td>
<td>4</td>
<td>0.4</td>
<td>28</td>
<td>28</td>
<td>28</td>
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<tr>
<td>Totals for Cube</td>
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<td>280</td>
<td>35.5</td>
<td>1,988</td>
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### LAYING A CIRCLE

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<tr>
<th>ROW NUMBER</th>
<th>SMALL CIRCLE</th>
<th>LARGE CIRCLE</th>
<th>HALF STONE</th>
<th>SQUARE STONE</th>
<th>DIAMETER (INCHES)</th>
<th>SEQUENCE</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>14-1/8</td>
<td>Next to each other</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>—</td>
<td>8</td>
<td>—</td>
<td>23-1/2</td>
<td>SC, HS, SC, HS, etc.</td>
</tr>
<tr>
<td>3</td>
<td>—</td>
<td>24</td>
<td>—</td>
<td>—</td>
<td>33</td>
<td>Next to each other</td>
</tr>
<tr>
<td>4</td>
<td>—</td>
<td>24</td>
<td>7</td>
<td>1</td>
<td>42-1/2</td>
<td>LC, LC, LC, HS, LC, LC, LC, HS, etc., plus a square at random</td>
</tr>
<tr>
<td>5</td>
<td>—</td>
<td>24</td>
<td>16</td>
<td>—</td>
<td>52</td>
<td>HS, LS, LS, LS, LC, LS, LS, LS, LS, etc.</td>
</tr>
<tr>
<td>6</td>
<td>—</td>
<td>24</td>
<td>24</td>
<td>—</td>
<td>61-1/2</td>
<td>LS, HS, LS, HS, etc.</td>
</tr>
<tr>
<td>7</td>
<td>—</td>
<td>22</td>
<td>23</td>
<td>9</td>
<td>71</td>
<td>LC, LS, LS, LS, Square, LS, LC, HS, LS, LS, Square, etc.</td>
</tr>
</tbody>
</table>

Note: The extra Square Stones left from the Circle Cube can be used to enlarge the circle and to complete your project by themselves or with the stones from the Square/Small Rectangle (SSR) Cube and Large Rectangle (LR) Cube.
OLD WORLD VINTAGE PATTERNS

LEGEND:
- S (Square)
- LS (Large Square)
- LR (Large Rectangle)
- DLR (Double Large Rectangle)
- XLR (Extra Large Rectangle)

PATTERN 1
- 2 DLR ............... 34%
- 1 LS ............... 22%
- 4 XLR ............... 44%
- 2.83 square feet
- 2 DLR ............... 34%
- 1 LS ............... 22%
- 4 XLR ............... 44%

PATTERN 2
- 2 S ............... 12%
- 4 LR ............... 38%
- 2 XLR ............... 25%
- 1 LS ............... 25%
- 2.52 square feet
- 2 S ............... 12%
- 4 LR ............... 38%
- 2 XLR ............... 25%
- 1 LS ............... 25%

PATTERN 3
- 9 XLR ............... 75%
- 1 LS ............... 17%
- 2 S ............... 8%
- 3.75 square feet
- 9 XLR ............... 75%
- 1 LS ............... 17%
- 2 S ............... 8%

PATTERN 4
- 2 LR ............... 9%
- 8 XLR ............... 48%
- 2 DLR ............... 19%
- 2 LS ............... 24%
- 5.18 square feet
- 2 LR ............... 9%
- 8 XLR ............... 48%
- 2 DLR ............... 19%
- 2 LS ............... 24%

PATTERN 5
- 7 S ............... 28%
- 7 XLR ............... 56%
- 1 LS ............... 16%
- 3.91 square feet
- 7 S ............... 28%
- 7 XLR ............... 56%
- 1 LS ............... 16%

PATTERN 6
- 2 S ............... 7%
- 1 LR ............... 6%
- 7 XLR ............... 51%
- 2 DLR ............... 22%
- 2 LS ............... 14%
- 4.32 square feet
- 2 S ............... 7%
- 1 LR ............... 6%
- 7 XLR ............... 51%
- 2 DLR ............... 22%
- 2 LS ............... 14%

PATTERN 7
- 4 S ............... 14%
- 4 LR ............... 22%
- 2 XLR ............... 14%
- 2 DLR ............... 22%
- 2 LS ............... 28%
- 4.41 square feet
- 4 S ............... 14%
- 4 LR ............... 22%
- 2 XLR ............... 14%
- 2 DLR ............... 22%

PATTERN 8
- 2 S ............... 6%
- 5 LR ............... 24%
- 8 XLR ............... 49%
- 1 DLR ............... 9%
- 1 LS ............... 12%
- 5.10 square feet
- 2 S ............... 6%
- 5 LR ............... 24%
- 8 XLR ............... 49%
- 1 DLR ............... 9%

PATTERN 9
- 2 XLR ............... 50%
- 1 LS ............... 50%
- 1.25 square feet
- 2 XLR ............... 50%
- 1 LS ............... 50%

PATTERN 10
- 1 XLR ............... 40%
- 1 DLR ............... 60%
- 0.79 square feet
- 1 XLR ............... 40%
- 1 DLR ............... 60%

PATTERN 11
- 10 XLR ............... 56%
- 4 LS ............... 44%
- 5.62 square feet
- 10 XLR ............... 56%
- 4 LS ............... 44%

S (Square) LS (Large Square) LR (Large Rectangle) DLR (Double Large Rectangle) XLR (Extra Large Rectangle)
HARBOR STONE

PAVERS: HARBOR STONE – IRONWOOD
ACCENT PAVERS: OLD WORLD VINTAGE DLR – SUMMER WHEAT
OLD WORLD VINTAGE XLR – COFFEE
PAVERS: HARBOR STONE — STERLING SMOKE
ACCENT PAVERS: OLD WORLD VINTAGE XLR — JET BLACK
STEP COPING: 3x24 SOFT SPLIT CAP — LIMESTONE BLEND
PORCH COPING: OLD WORLD GLENSTONE — LIMESTONE BLEND
HARBOR STONE

PAVERS: HARBORSTONE – WALNUT BLEND
WALLS: STONEGATE – WALNUT BLEND
CAPS: 3x24 SMOOTH CAP – SLATE
UPPER PATIO PAVERS: HARBOR STONE — IRONWOOD
LOWER PATIO PAVERS: OLD WORLD VINTAGE — IRONWOOD
ACCENT PAVERS: OLD WORLD VINTAGE XLR — JET BLACK
WALL STONES: GLENSTONE — IRONWOOD
WALL CAPS: OLD WORLD GLENSTONE — SLATE
HARBOR STONE

- Pavers: Harbor Stone – Ironwood
- Accent Pavers: Holland 4x8 – Coffee & Jet Black
- Wall Stones: Glenstone – Limestone Blend
- Steps: 3x24 Smooth Cap – Slate
<table>
<thead>
<tr>
<th>Pattern</th>
<th>LS</th>
<th>MLR</th>
<th>XLR</th>
<th>MLR</th>
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<tbody>
<tr>
<td>PATTERN 1</td>
<td>LS</td>
<td>MLR</td>
<td>LS</td>
<td>MLR</td>
</tr>
<tr>
<td>PATTERN 2</td>
<td>LS</td>
<td>MLR</td>
<td>MLR</td>
<td>MLR</td>
</tr>
<tr>
<td>PATTERN 3</td>
<td>LS</td>
<td>MLR</td>
<td>XLR</td>
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<tr>
<td>PATTERN 4</td>
<td>LS</td>
<td>MLR</td>
<td>XLR</td>
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** Elite Colors **

<table>
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<th>Pattern</th>
<th>LS</th>
<th>MLR</th>
<th>XLR</th>
<th>MLR</th>
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</thead>
<tbody>
<tr>
<td>PATTERN 1</td>
<td>LS</td>
<td>MLR</td>
<td>XLR</td>
<td>MLR</td>
</tr>
<tr>
<td>PATTERN 2</td>
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<td>MLR</td>
<td>XLR</td>
<td>MLR</td>
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<td>PATTERN 3</td>
<td>LS</td>
<td>MLR</td>
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</tr>
<tr>
<td>PATTERN 4</td>
<td>LS</td>
<td>MLR</td>
<td>XLR</td>
<td>LS</td>
</tr>
</tbody>
</table>

### Mega Large Rectangle
- Dimensions: 9-1/2" x 14-1/4" x 2-3/8"
- Units per Sq. Ft: 1.06
- Units per Layer: 12
- Sq. Ft. per Layer: 11.25
- Units per Cube: 96
- Sq. Ft. per Cube: 90
- Sold per Strap: 30
- Weight per Sq. Ft: 28

### Large Square
- Dimensions: 9-1/2" x 9-1/2" x 2-3/8"
- Units per Sq. Ft: 1.65
- Units per Layer: 20
- Sq. Ft. per Layer: 12.1
- Units per Cube: 160
- Sq. Ft. per Cube: 97
- Sold per Strap: 19.4
- Weight per Sq. Ft: 28

### Extra Large Rectangle
- Dimensions: 9-1/2" x 4-3/4" x 2-3/8"
- Units per Sq. Ft: 3.1
- Units per Layer: 35
- Sq. Ft. per Layer: 11.2
- Units per Cube: 280
- Sq. Ft. per Cube: 90
- Sold per Strap: 17.92
- Weight per Sq. Ft: 28

**Standard Colors**

- **Walnut Blend**
- **Lakeshore Blend**
- **Silver Blend**

**Elites Colors**

- **Elites Colors**
- **Jet Black**
- **Sterling Smoke**
- **Ironwood**

![Harbor Stone & Bay Stone Patterns](image)
BAY STONE – NEW FOR 2020

PRODUCT INFORMATION

SMOOTH CONTEMPORARY FINISH
60 mm. Series – 3 Sizes
• XLR  9.5” x 4.75”
• LS   9.5” x 9.5”
• MLR  9.5” x 14.25”

Modular with Harbor Stone
XLR also available in Jet Black
BAY STONE – NEW FOR 2020

PAVERS: BAY STONE – MACKINAC
FIRE PIT: OLD WORLD GLENSTONE – CHESTNUT
FIRE PIT CAP: 3x24 SMOOTH CAP – SLATE

STANDARD COLORS

- BAY STONE
- MACKINAC
- BIRCHWOOD
- AU GRES
VINTAGE SERIES

<table>
<thead>
<tr>
<th>LARGE RECTANGLE CUBE</th>
<th>UNITS PER SO. FT.</th>
<th>UNITS PER LAYER</th>
<th>SQ. FT. PER LAYER</th>
<th>UNITS PER CUBE</th>
<th>SQ. FT. PER CUBE</th>
<th>SQ. FT. PER STRAP</th>
<th>WEIGHT PER SQ. FT.</th>
<th>CUBE STRAP</th>
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<tbody>
<tr>
<td>Large Rectangle</td>
<td>4.2</td>
<td>42</td>
<td>10.0</td>
<td>336</td>
<td>80</td>
<td>13.33</td>
<td>28</td>
<td>133</td>
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<table>
<thead>
<tr>
<th>SQUARE &amp; SMALL RECTANGLE CUBE (Sold in ratio of 3 squares to 1 small rectangle only)</th>
<th>UNITS PER SO. FT.</th>
<th>UNITS PER LAYER</th>
<th>SQ. FT. PER LAYER</th>
<th>UNITS PER CUBE</th>
<th>SQ. FT. PER CUBE</th>
<th>SQ. FT. PER STRAP</th>
<th>WEIGHT PER SQ. FT. (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square 4-3/4&quot; x 4-3/4&quot; x 2-3/8&quot;</td>
<td>6.3</td>
<td>54</td>
<td>8.5</td>
<td>432</td>
<td>68.6</td>
<td>8.89</td>
<td>28</td>
</tr>
<tr>
<td>Small Rectangle 4-3/4&quot; x 2-7/16&quot; x 2-3/8&quot;</td>
<td>12.6</td>
<td>18</td>
<td>1.4</td>
<td>144</td>
<td>11.4</td>
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<tr>
<td>Totals for Cube</td>
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<tr>
<th>CIRCLE CUBE (1 circle per cube)</th>
<th>UNITS PER SO. FT.</th>
<th>UNITS PER LAYER</th>
<th>SQ. FT. PER LAYER</th>
<th>UNITS PER CUBE</th>
<th>SQ. FT. PER CUBE</th>
<th>SQ. FT. PER STRAP</th>
<th>WEIGHT PER SQ. FT. (LBS.)</th>
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<tr>
<td>Square 4-3/4&quot; x 4-3/4&quot; x 2-3/8&quot;</td>
<td>6.3</td>
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<td>2.2</td>
<td>56</td>
<td>8.85</td>
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<td>Large Circle 4-11/16&quot; x 4-5/16&quot; x 2-3/8&quot;</td>
<td>8.3</td>
<td>30</td>
<td>3.6</td>
<td>120</td>
<td>14.45</td>
<td>28</td>
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</tr>
<tr>
<td>Small Circle 4-11/16&quot; x 4-5/16&quot; x 2-3/8&quot;</td>
<td>8.7</td>
<td>4</td>
<td>0.5</td>
<td>16</td>
<td>1.8</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Half Stone 4-3/4&quot; x 3-5/8&quot; x 2-3/8&quot;</td>
<td>8.4</td>
<td>21</td>
<td>2.5</td>
<td>84</td>
<td>10</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Center Stone 4-3/4&quot; x 3-5/8&quot; x 2-3/8&quot;</td>
<td>9.0</td>
<td>1</td>
<td>0.1</td>
<td>4</td>
<td>0.4</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Totals for Cube</td>
<td>280</td>
<td>35.5</td>
<td></td>
<td>994</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LAYING A CIRCLE

<table>
<thead>
<tr>
<th>ROW NUMBER</th>
<th>SMALL</th>
<th>LARGE</th>
<th>HALF</th>
<th>SQUARE</th>
<th>DIAMETER (INCHES)</th>
<th>SEQUENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>14-1/8</td>
<td>Next to each other</td>
</tr>
<tr>
<td>2</td>
<td>—</td>
<td>—</td>
<td>8</td>
<td>—</td>
<td>23-1/2</td>
<td>SC, HS, SC, HS, etc.</td>
</tr>
<tr>
<td>3</td>
<td>—</td>
<td>24</td>
<td>—</td>
<td>—</td>
<td>33</td>
<td>Next to each other</td>
</tr>
<tr>
<td>4</td>
<td>—</td>
<td>24</td>
<td>7</td>
<td>1</td>
<td>42-1/2</td>
<td>LC, LC, LC, HS, LC, LC, LC, HS, etc., plus a square at random</td>
</tr>
<tr>
<td>5</td>
<td>—</td>
<td>24</td>
<td>16</td>
<td>—</td>
<td>52</td>
<td>HS, LC, HS, LC, LC, HS, LC, LC, HS, LC, LS, etc.</td>
</tr>
<tr>
<td>6</td>
<td>—</td>
<td>24</td>
<td>24</td>
<td>—</td>
<td>61-1/2</td>
<td>LC, LS, LS, LC, HS, etc.</td>
</tr>
<tr>
<td>7</td>
<td>—</td>
<td>22</td>
<td>23</td>
<td>9</td>
<td>71</td>
<td>LC, LS, LS, Square, LC, HS, LC, LS, Square, etc.</td>
</tr>
</tbody>
</table>

Note: The extra Square Stones left from the Circle Cube can be used to enlarge the circle and to complete your project by themselves or with the stones from the Square/Small Rectangle (SSR) Cube and Large Rectangle (LR) Cube.
VINTAGE PATTERNS

- **3-Piece Pattern A**
- **3-Piece Pattern B**
- **3-Piece Pattern C**
- **2-Piece Pattern**
- **Running Bond**
- **90° Herringbone**

Pattern F

- 6” x 6” Small Square 33.33%
- 6” x 9” Large Rectangle 50.00%
- 6” x 3” Small Rectangle 16.67%

Pattern appropriate for vehicular applications.
Pattern 3
4.62 x 2.31 = 14.53% (4, Small Rectangles)
4.62 x 4.62 = 29.53% (4, Squares)
7.00 x 4.62 = 55.94% (5, Large Rectangles)

Pattern 4
4.62 x 2.31 = 13.56% (8, Small Rectangles)
4.62 x 4.62 = 36.32% (10, Squares)
7.00 x 4.62 = 50.12% (9, Large Rectangles)

Pattern 5
4.62 x 2.31 = 14.21% (5, Small Rectangles)
4.62 x 4.62 = 34.11% (6, Squares)
7.00 x 4.62 = 51.68% (6, Large Rectangles)

Pattern 6
4.62 x 2.31 = 14.21% (5, Small Rectangles)
4.62 x 4.62 = 34.11% (6, Squares)
7.00 x 4.62 = 51.68% (6, Large Rectangles)
SYMETRY

Units per sq. ft.: 3.4
Sq. ft. per cube: 84
Weight per sq. ft.: 28 lbs.
Weight per cube: 2,352 lbs.
Sq. ft. per strap: 21

6x6 SQUARE

Units per sq. ft.: 4
Sq. ft. per cube: 92
Weight per sq. ft.: 28 lbs.
Weight per cube: 2,576 lbs.
Sq. ft. per strap: 13.14

- RIGHT:
  PAVERS: SYMETRY VENETIAN PARQUET PATTERN – RUSTIC BLEND
  6x6 – CUSTOM COLOR

- BELOW:
  PAVERS: SYMETRY VENETIAN PARQUET PATTERN – ANTIQUE BLEND
  6x6 – SLATE

NEXT PAGE:
PAVERS: SYMETRY – RUSTIC BLEND
6x6 – CUSTOM COLOR
VENETIAN PARQUET PATTERN
STANDARD COLORS

SYMISTRY®

RUSTIC BLEND

ANTIQUE BLEND

6x6

SLATE
SYMETRY® PATTERNS (SHOWN WITH 6x6)

Diamond Run Pattern 100% SYMETRY

Pattern #7 74.5% SYMETRY 25.5% SQUARES

Grand Parquet Pattern 66.2% SYMETRY 33.8% SQUARES

Venetian Parquet Pattern 83% SYMETRY 17% SQUARES

Regency Pattern 83% SYMETRY 17% SQUARES

Interpace Pattern 78.5% SYMETRY 21.5% SQUARES

Embassy Row Pattern 71% SYMETRY 29% SQUARES

Georgian Parquet Pattern 78.5% SYMETRY 21.5% SQUARES

Rondolais Pattern 100% SYMETRY

Palace Parquet Pattern 83% SYMETRY 17% SQUARES

Pattern R.S. 53% SYMETRY 47% SQUARES

Approximate Scale: 1/4" = 1'  
(Percentages in Square Feet)
HOLLAND 4x8

Pavers: Holland 4x8 – Burgundy Blend
Fire Pit: Fire Pit Block – Camel
Fire Pit Cap: 4" Radius Glenstone – Camel
HOLLAND 4x8

PAVERS: HOLLAND 4x8 – SUMMER WHEAT
ACCENT PAVERS: HOLLAND 4x8 – COFFEE
STEPS: 3x24 SMOOTH CAP – CHESTNUT
HOLLAND SERIES

- Pavers: Holland Series – Walnut Blend
- Accent Pavers: Holland 4x8 – Slate
- Border Block: Glenstone Bullnose – Camel
- Walls: Verazzo Stone – Camel
- Fire Pit: Verazzo Stone – Camel
PAVERS: HOLLAND SERIES – STERLING SMOKE
ACCENT PAVERS: HOLLAND 4x8 – SLATE
WALL STONES: STONEGATE – LIMESTONE BLEND
WALL CAPS: 3x24 SMOOTH CAP – SLATE
HOLLAND SERIES

- Pavers: Holland Series – Sandstone Blend
- Border Pavers: Holland 4x8 – Coffee
- Wall Stones: Stonegate – Camel
- Caps & Steps: 3x24 Smooth Cap – Chestnut
PAVERS: HOLLAND SERIES – WALNUT BLEND
ACCENT PAVERS: OLD WORLD VINTAGE – SUMMER WHEAT
STANDARD COLORS

SANDSTONE BLEND

WALNUT BLEND

LIMESTONE BLEND

LAKESHORE BLEND

ELITE COLORS

STERLING SMOKE

HOLLAND 4x8
2-3/8” thick
Units per sq. ft.: 4.5
Sq. ft. per cube: 108
Weight per sq. ft.: 28 lbs.
Weight per cube: 3,024 lbs.
Sq. ft. per strap: 18

HOLLAND 8x8
2-3/8” thick
Units per sq. ft.: 2.25
Sq. ft. per cube: 96
Weight per sq. ft.: 28 lbs.
Weight per cube: 2,688 lbs.
Sq. ft. per strap: 18

HOLLAND 12x12
2-3/8” thick
Units per sq. ft.: 1
Sq. ft. per cube: 72
Weight per sq. ft.: 28 lbs.
Weight per cube: 2,016 lbs.
Sq. ft. per strap: 18

HOLLAND SERIES
PATTERN

Approximate %
4" x 8" 24%
8" x 8" 24%
12" x 12" 52%

RIGHT:
PAVERS: HOLLAND SERIES – LIMESTONE BLEND
ACCENT PAVERS: HOLLAND 4x8 – JET BLACK
WALL STONES: STONEGATE – LIMESTONE
CAPS & STEPS: 3x24 SMOOTH CAP – SLATE

STANDARD COLORS

SANDSTONE BLEND

WALNUT BLEND

LIMESTONE BLEND

LAKESHORE BLEND

ELITE COLORS

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HOLLAND SERIES
PATTERN

Approximate %
4" x 8" 24%
8" x 8" 24%
12" x 12" 52%

RIGHT:
PAVERS: HOLLAND SERIES – LIMESTONE BLEND
ACCENT PAVERS: HOLLAND 4x8 – JET BLACK
WALL STONES: STONEGATE – LIMESTONE
CAPS & STEPS: 3x24 SMOOTH CAP – SLATE
TOP:
Pavers: Holland Series – Lakeshore Blend
Accent Pavers: Holland 4x8 – Slate
Wall Stones: Stonegate – Limestone Blend
Wall Accent Course: Stonegate – Slate
Caps & Steps: 3x24 Smooth Cap – Slate

BOTTOM:
Pavers: Holland Series – Sterling Smoke
Accent Pavers: Holland 4x8 – Jet Black
Steps Coping: 3x24 Smooth Cap – Slate
STANDARD COLORS

Fendt offers separate color lines at three separate pricing levels, which include Standard Colors, Spectrum Colors and Elite Colors. Fendt’s Standard Colors offer some of the widest varieties of both solid colors and blended colors that are available in today’s market.

When selecting color: The color samples depicted are only a guide to assist in color selection and should not be used to select final color. Actual colors of pavers and walls may vary due to the nature of the raw materials used in processing and the variation of reproduction and printing processes. Final color selection should be made from actual paver and wall products. When installing pavers, use several cubes simultaneously for proper color blending.
Fendt offers two premium color lines, namely Spectrum Colors and Elite Colors. The Spectrum Colors line offers deeper and richer color tones which take standard paver colors to a higher level. The Elite Colors line offers the latest color possibilities when premium colors are combined with premium cements.
OLD WORLD COLORS

WHEN SELECTING COLOR: The color samples depicted are only a guide to assist in color selection and should not be used to select final color. Actual colors of pavers and walls may vary due to the nature of the raw materials used in processing and the variation of reproduction and printing processes. Final color selection should be made from actual paver and wall products. When installing pavers, use several cubes simultaneously for proper color blending.

STANDARD COLORS

LIMESTONE BLEND  WALNUT BLEND  ANTIQUE BLEND

RUSTIC BLEND  SLATE

ELITE COLORS

POLAR ASH  SUMMER WHEAT  SEASHELL
ACCENT PAVERS — ELITE COLORS

TOP:
PAVERS: OLD WORLD VINTAGE — SEASHELL BLEND
ACCENT PAVERS: OLD WORLD VINTAGE XLR — RUBY & JET BLACK

BOTTOM:
PAVERS: OLD WORLD VINTAGE — SEASHELL BLEND
ACCENT PAVERS: OLD WORLD VINTAGE XLR — JET BLACK

JET BLACK
COFFEE
JADE — SPECIAL ORDER
TITANIUM
RUBY
SUEDE

ELITE ACCENT COLORS INVENTOURED IN OLD WORLD VINTAGE EXTRA LARGE RECTANGLE
CUSTOM COLOR PROJECTS

Looking for something just a little out of the ordinary? While most wall stone and paver products are stocked in a wide range of common colors, Fendt has the capability to produce custom colors on select jobs. Need your driveway pavers a certain shade of gray or even something bolder? Have a special color that is your backyard patio inspiration? Perhaps you just want something no one else has! Fendt understands.
PAVER INSTALLATION INSTRUCTIONS

Interlocking Concrete Paving Stones

1. Prepare the site, making a compacted base with 21AA gravel between 8” and 12” for driveways and with 21AA gravel up to 4” to 6” for patios and walkways. Slope as necessary.
2. Spread a layer of 2NS concrete sand 1” over compacted base. It is important to maintain consistent thickness of bedding sand. Screed the sand to desired level. Allow for thickness of paver and for compaction of sand (approximately ¼” to ½”) to be done in step #5.
3. Lay the paving stones in the patterns you choose, starting the edge stones from an existing line such as a curb or house.
4. Make any necessary cutting of stones with a paving stone splitter or masonry saw.
5. Make a minimum of two passes over paving stones with a plate vibrator.
6. Fill the joints by sweeping dry sand over the paving stones, leaving a thin layer for final vibration.
7. Vibrate sand into joints and sweep off excess sand. The pavement is now ready for immediate use.

Interlocked Patterns

The Herringbone Patterns

Form the greatest interlock, since the longest continuous joint is only 1-1/2” stones.

45˚ Herringbone Pattern

90˚ Herringbone Pattern

Parquet Pattern

A pattern with unlimited variations.

Running Bond Pattern

A traditional pattern that, when used for vehicular traffic, should have traffic crossing the stones’ length at right angles.
Permeable pavements now offer a new dimension by allowing a higher percentage of rainwater to permeate through the pavement system as opposed to overburdened storm water systems. When installed as part of the Bio-Aquifer Storm System (BASS), permeable pavers allow for natural storm water drainage and ground water recharge, making them ecologically sound and economically smart.

A parking lot or street created with BASS uses durable, permeable components that allow water to flow through, retaining the water runoff and directing it through a series of natural filtration systems before it enters nearby streams or rivers. Fendt’s Eco-Brick™ and Eco-Classic are the perfect solution that can transform any paver parking lot, driveway or pavement area into a beautiful and sustainable pavement that effectively manages storm water.
**Eco-Classic**

**PRODUCT INFORMATION**

<table>
<thead>
<tr>
<th>FULL BRICK</th>
<th>HALF BRICK</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; x 9&quot; x 3-1/8&quot;</td>
<td>4-1/2&quot; x 4-1/2&quot; x 3-1/8&quot;</td>
</tr>
<tr>
<td>.272 sq. ft. per unit</td>
<td>.136 sq. ft. per unit</td>
</tr>
<tr>
<td>3.68 units per sq. ft.</td>
<td>7.35 units per sq. ft.</td>
</tr>
<tr>
<td>36 units/layer, 252/cube</td>
<td>8 units/layer, 56/cube</td>
</tr>
</tbody>
</table>

10.9 sq. ft. per layer  
76.30 sq. ft. per cube

Weight per cube: 2,719 lbs.

---

**Old World Eco-Classic**  
*(SPECIAL ORDER)*

**PRODUCT INFORMATION**

<table>
<thead>
<tr>
<th>FULL BRICK</th>
<th>HALF BRICK</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; x 9&quot; x 3-1/8&quot;</td>
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</tr>
<tr>
<td>36 units/layer, 252/cube</td>
<td>8 units/layer, 56/cube</td>
</tr>
</tbody>
</table>

10.9 sq. ft. per layer  
76.30 sq. ft. per cube

Weight per cube: 2,719 lbs.
PERMEABLE PAVERS: ECO-CLASSIC

PAVERS: ECO-CLASSIC – WALNUT BLEND
PERMEABLE PAVERS: ECO-BRICK™ (SPECIAL ORDER)

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>FULL BRICK</th>
<th>HALF BRICK</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; x 9&quot; x 3-1/8&quot;</td>
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</tr>
<tr>
<td>.272 sq. ft. per unit</td>
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</tr>
<tr>
<td>3.68 units per sq. ft.</td>
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</tr>
<tr>
<td>36 units/layer, 252/cube</td>
<td>8 units/layer, 56/cube</td>
</tr>
</tbody>
</table>
GRASS PAVERS: MONOSLAB®
MULTI-PURPOSE MONOSLAB GRASS PAVER ... THE PROBLEM SOLVER!

STABILIZES GRASSY AREAS:
• FOR FIRE LANES
• HIGHWAY CROSSOVERS
• RUNWAY SHOULDERS

It’s the natural look in paving … proven over three decades in use. Monoslab Grass Pavers allow a lawn area to be used for parking or driveways — preserving green space in places where it’s scarce.

Monoslab Grass Pavers eliminate the dust or mud normally created by allowing traffic in unpaved areas, and can be used in any area where you want to allow vehicular traffic while preserving the look of a lawn.

The unique design of Monoslab affords better weight distribution and increased load bearing capacity. The surface pattern encourages controllable drainage, while stimulating grass growth.

Good news for firefighters, landscape architects & highway/waterway engineers

FAST AND SIMPLE TO INSTALL IN ANY WEATHER, MONOSLAB GRASS PAVERS ARE AVAILABLE FOR IMMEDIATE USE.

Monoslab Grass Paver grids permit emergency vehicles and fire trucks to approach buildings from all directions saving time and possibly lives. Heavy trucks drive over stabilized grassy areas leaving no trace.

When considering the areas around apartments and other commercial buildings, the design professional has an alternative to traditional asphalt and other hard surfacing. Monoslab is not subject to most restrictive zoning ordinances that cover hard pavement.

Monoslab grids enable emergency and surface vehicles to cross over between concrete and asphalt pavements.

Especially suitable at curves, concrete grids are readily seen at night. Fast, easy installation. Tire rumbling when driving over the concrete grids alerts drivers.

SAVES GRASS … The design professional now has an exciting option when considering surfacing for areas around apartment buildings, shopping malls, office buildings and other urban developments. Monoslab offers a relief from traditional hard surfacing by introducing stabilized grass areas. Suitable for parking lots and overflow parking areas, it will also allow utility trucks to drive over landscaped grounds.

STOPS EROSION … Monoslab is the best answer to stabilize slopes and put an end to persistent erosion problems. Even river bed erosion in fast-flowing rivers or open culverts can be effectively controlled with Monoslab.

It is also successfully used as revetments to reinforce reservoirs and shoreline slopes and to provide seawall toe protection. After Monoslab is laid and grass established, an installation can be moved as normal grass.
EASY TO INSTALL

STEP 1
For heavy loads, bulldoze one foot below finished grade.
For light loads (automobiles), bulldoze one-half foot below finished grade.

STEP 2
For light loads, spread and tamp — or roll — one inch sand bed directly on the sub-grade.

STEP 4
Level the paver grids on the sand bed. Keep them “pencil thickness” apart.

STEP 5
Ready for service.

SO MANY BENEFITS:

- Minimize storm water runoff
- Replenish subterranean ground water
- Avoid erosion and soil wash away
- Protect lawns from wheel tracks
- Reduce hard surface pavement

All of the above objectives can be accomplished by installing Monoslab. On a test installation of tufted Grass Paver bedded on two inches of coarse sand spread over six inches of gravel, with clay subsoil, no water ran off for an hour. Storm water runoff then ranged from 5% to 18%.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>MEASUREMENTS</th>
<th>USA/CAN actual</th>
<th>USA/CAN nominal</th>
<th>USE NOMINAL VALUES FOR COMPUTATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>23-1/2”</td>
<td>24 in. ~ 2 ft.</td>
<td>+/- 1/8”</td>
</tr>
<tr>
<td>Width</td>
<td>15-3/8”</td>
<td>16 in. ~ 1-1/3 ft.</td>
<td>+/- 1/8”</td>
</tr>
<tr>
<td>Thickness</td>
<td>4-9/16”</td>
<td>4-1/2 in. ~ 3/8 ft.</td>
<td>+/- 1/16”</td>
</tr>
<tr>
<td>Area, gross</td>
<td>370 sq. in.</td>
<td>2-2/3 sq. ft.</td>
<td>3 grids = 8 sq. ft.</td>
</tr>
<tr>
<td>Area, upper surface</td>
<td>95 sq. in.</td>
<td>2/3 sq. ft.</td>
<td>25% of gross area</td>
</tr>
<tr>
<td>Area, base surface</td>
<td>326 sq. in.</td>
<td>2-1/2 sq. ft.</td>
<td>85% of gross area</td>
</tr>
<tr>
<td>Weight/grid</td>
<td>94 lb. +/- 3 lbs.</td>
<td>94 lbs.</td>
<td>depends on water absorption</td>
</tr>
</tbody>
</table>

Strength, compression: 4000 psi per ASTM C140-70
Braking load, transverse: – see specification and test procedure sheets
Absorption, water: 13 lbs. / cu. ft. per ASTM C140-70
Soil erosion has been an issue plaguing engineers for decades. It is a well-known fact that the single biggest impact on water quality is the soil erosion process. As a result of new federal and local regulations mandating the control of silt runoff, the engineering community must now use innovative measures to control the erosion process.

Geolink’s premium design inhibits the transport of soil during the erosion process and helps keep our waterways free from silt and hazardous pollutants. Open cells within the block support and maintain vegetative growth, enhancing water quality through a natural cleansing process by filtering out contaminants. Geolink’s superior methods of erosion control promote a natural, aesthetically pleasing environment.

**PERMEABLE GRASS PAVER**
- Geolink units with vegetation
- Soil-filled units
- Engineering fabric layer
- Drainage media
- Prepared subgrade foundation

---

**GEOLINK Unit Specifications**

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Length</th>
<th>Gross Coverage per ft²</th>
<th>Weight</th>
<th>Weight per sq ft</th>
<th>Open Area %</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>12&quot;</td>
<td>16&quot;</td>
<td>1.12</td>
<td>36.6</td>
<td>32-37</td>
<td>20</td>
</tr>
</tbody>
</table>

**UNITS PER PALLET – 48**  
**WEIGHT PER PALLET – 1,469 LBS.**
The perfect way to complete your hardscape project is with Fendt concrete wall stones. We feature the Keystone Retaining Wall product line, which has been recognized as the leader in Segmental Retaining Walls (SRWs).

This same style, technology and performance that engineers have specified for years is now available in a wide range of colors and designs to fit your every need and situation. With various styles of wall stones to choose from, your yard can become a showcase to satisfy every possible design.

Fendt’s history and experience with colors in concrete pavers is now yours to expand your design options when utilizing retaining walls, courtyard walls, piers and fire pits. As you consider the right wall product to use to complement the rest of your hardscape design, let yourself dream in color!
When it’s time to create the garden of your dreams, Fendt offers a full line of Garden Wall brand wall stones to create the elegant and unique look you want. Garden Wall products come in a wide variety of exceptional colors. With their three-dimensional, textured appearance, they add an element of rugged perfection to any garden project.

Size: 4”h x 12”w x 8”d
Exposed face area: 1/3 sq. ft. (4” x 12”)
Weight: 25 lbs.
Units per pallet: 96 units
Weight per pallet: 2,400 lbs.

Removing rear lugs when building curves
To remove outside lugs or edges of retaining lip, hold unit securely or place at angle on ground. Strike the lug firmly with a hammer. Always wear safety glasses to protect eyes from chips.

Typical Landscape Wall Section Shown at Right
Old World 4” Radius Glenstone
- Size: 4”h x 8”d x 12-1/4”/9-1/8”w
- Use with Glenstone to Turn Radius
- No Cutting Required – 16 Units per Circle
- Weight: 27.55 lbs.
- Units per pallet: 96 units
- Weight per pallet: 2,645 lbs.
- Stock Colors: Walnut, Rustic, Limestone, Camel, Slate

Glenstone / Old World Glenstone
- Size: 4”h x 8”d x 12”w
- Exposed face area: 1/3 sq. ft. (4” x 12”)
- Weight: 32 lbs.
- Units per pallet: 96 Unitss
- Weight per pallet: 3,072 lbs.
OLD WORLD GLENSTONE

TOP:
- WALLS: OLD WORLD GLENSTONE – WALNUT BLEND
- ACCENT COURSE: OLD WORLD GLENSTONE – SLATE
- FIRE PIT: OLD WORLD FIRE PIT – WALNUT BLEND
- FIRE PIT CAP: OLD WORLD 4” RADIUS GLENSTONE

BOTTOM:
- WALL STONES: OLD WORLD GLENSTONE – IRONWOOD
- WALL ACCENT COURSE: GLENSTONE – SLATE

STANDARD COLORS
- O.W. WALNUT BLEND
- O.W. SLATE
- O.W. RUSTIC BLEND
- O.W. CAMEL
- O.W. GREYSTONE
- O.W. LIMESTONE BLEND

SPECTRUM COLORS
- O.W. BURGUNDY BLEND
- O.W. CHESTNUT

ELITE COLORS
- O.W. IRONWOOD
- O.W. STERLING SMOKE
- O.W. ALABASTER
- O.W. GRAYLING

68 | WALL STONES — OLD WORLD GLENSTONE
OLD WORLD GLENSTONE BULLNOSE

TOP:
- STEP COPING: OLD WORLD GLENSTONE BULLNOSE – WALNUT BLEND
- PAVERS: HOLLAND SERIES – WALNUT BLEND
- ACCENT PAVERS: OLD WORLD VINTAGE 4X8 – JET BLACK

BOTTOM:
- WALLS: VERAZZO STONE – CAMEL
- STEP COPING: GLENSTONE BULLNOSE – CAMEL
- WALL ACCENT COURSE: GLENSTONE – SLATE
- PAVERS: HOLLAND SERIES – WALNUT BLEND
- ACCENT PAVERS: HOLLAND 4X8 – SLATE
KEYSTONE VERAZZO STONE™

OUTDOOR KITCHEN WALL: VERAZZO STONE – CAMEL
WALL ACCENT COURSE: VERAZZO STONE – CHESTNUT
SITE WALL: HEMM STONE – WALNUT BLEND
PAVERS: HOLLAND SERIES – WALNUT BLEND
With unmatched strength and stability, Keystone Verazzo Stone™ has rugged good looks and aesthetic appeal. Each Keystone Verazzo Stone™ is angled on both sides providing different face lengths for a tight fitting, straight wall. Aligning units is also effortless due to the Keystone proven pin connection system. Each stone contains multiple pin positions allowing for a nearly vertical or offset wall. Keystone Verazzo Stone™ looks like a natural element in your yard because each unit is finished on two sides.

Size.........................6" h x 16"/12" w x 10-1/2" d
Exposed face area...........0.58 sq. ft. (avg.)
Weight.........................73 lbs.
Units per pallet..............45 units
Weight per pallet............3.272 lbs.
Pins............................2/block, 50/bag
VERAZZO RETURN CORNER

Verazzo Return Corner

Corner Construction

24" x 24" Pier
Utilizing 4-Return Corners

BELOW:
VERAZZO STONE – CAMEL
KEYSTONE MURINO

TOP:
- WALLS: MURINO – GRAPHITE BLEND
- ACCENT WALL COURSE: MURINO – WALNUT BLEND
- SEAT WALL: GLENSTONE BULLNOSE – WALNUT BLEND
- CAPS: 3x24 SMOOTH CAP – SLATE
- Pavers: HOLLAND SERIES – WALNUT BLEND

BOTTOM:
- WALLS: MURINO – WALNUT BLEND
- SHELF COURSE: UNIVERSAL CAP – CHESTNUT
- CAPS: 3X24 SMOOTH CAP – CHESTNUT
MURINO™ WALL SERIES

SMALL UNIT
6"h x 6"w x 10"d
22 lbs.

LARGE UNIT
6"h x 16"/14"w x 10"d
58 lbs.

SHOULDERED OR DOM PINS
2 PER UNIT

2-PIECE SET – LARGE & SMALL UNIT
3-SIDED INTERLOCKING TEXTURED FINISH
MODULAR WITH STONEGATE SERIES
NATURAL “HEWNSTONE” STYLE FACE
UTILIZES KEYSSTONE’S PROVEN PIN SYSTEM

Set size | 6”h x 10”d x 20”w
Exposed face area | 0.83 sq. ft.
Weight/set | 80 lbs.
Sets per pallet | 30
Weight per pallet | 2,470 lbs.
KEYSTONE
STONEGATE

WALLS: STONEGATE – WALNUT BLEND
CAPS: 3x24 CAP – SLATE
FIREPLACE: STONEGATE – WALNUT BLEND
WALLS: STONEGATE – SLATE
WALL CAPS (foreground): 3x24 SMOOTH CAP – LIMESTONE BLEND
PAVERS: OLD WORLD VINTAGE – POLAR ASH
FIRE PIT: FIRE PIT BLOCK – SLATE
KEYSTONE
STONEGATE

TOP:
WALLS: STONEGATE – SLATE
WALL CAPS & STEPS: 3X24 SMOOTH CAP – LIMESTONE BLEND

BOTTOM:
WALLS: STONEGATE – WALNUT BLEND
CAPS: 3X24 SMOOTH CAPS – WALNUT BLEND
KEYSTONE STONEGATE

WALLS: STONEGATE – SLATE
WALL ACCENT COURSE: STONEGATE – LIMESTONE BLEND
WALL CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND

STANDARD COLORS
- RUSTIC BLEND
- WALNUT BLEND
- LIMESTONE BLEND
- CAMEL
- SLATE
- ELITE COLORS
- GRAPHITE BLEND

STONEGATE — WALL STONES I 79

Set size .................................. 6”h x 10”d x 32”w max.
Exposed face area ................. 1.4 sq. ft. max.
Weight/set ................................ 137 lbs.
Sets per pallet .......................... 20
Weight per pallet ....................... 2,788 lbs.

LARGE UNIT
60 lbs. (27 kg)
6”h x 10”d x 16 ’1/4”w
(150mm x 250mm x 400mm)

MEDIUM UNIT
40 lbs. (18 kg)
6”h x 10”d x 12’10”w
(150mm x 250mm x 300mm)

SMALL UNIT
25 lbs. (11 kg)
6”h x 10”d x 6’1/4”w
(150mm x 250mm x 150mm)
KEYSTONE
OLD WORLD STONEGATE

WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND
ACCENT WALL COURSE: OLD WORLD STONEGATE – SLATE
CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND

STANDARD COLORS
O.W. RUSTIC BLEND
O.W. WALNUT BLEND
O.W. LIMESTONE BLEND
O.W. CAMLE
O.W. SLATE
O.W. GRAPHITE BLEND

ELITE COLORS

Set size ......................... 6”h x 10”d x 32”w max.
Exposed face area .......... 1.4 sq. ft. max.
Weight/set ...................... 137 lbs.
Sets per pallet ............... 20
Weight per pallet............. 2,788 lbs.

LARGE UNIT
60 lbs. (27 kg)
6”h x 10”d x 16”/14”w
(150mm x 250mm x 400mm/350mm)

MEDIUM UNIT
40 lbs. (18 kg)
6”h x 10”d x 12”/10”w
(150mm x 250mm x 300mm/250mm)

SMALL UNIT
25 lbs. (11 kg)
6”h x 10”d x 6”/4”w
(150mm x 250mm x 150mm/100mm)
**CAPS**

Cap Unit
(One side textured)
72 lbs.
3"h x 12"d x 24"w
Stocked in all six Standard colors

Cap Unit
(Smooth all sides)
72 lbs.
3"h x 12"d x 24"w
Stocked in all Stonegate colors and Burgundy Blend

---

**PINS**

Stonegate Shouldered Pin
5-1/4" long
1/2" diameter
3/4" diameter at shoulder
100 pins/box
5 pins/set of Stonegate
1 box (100 pins) per pallet of Stonegate

---

**COUNTRY CORNER**

The 3" x 12" x 12" Country Corner coping corner unit allows the user to make attractive and simple-to-build 90 degree corners when capping a wall using the 3" x 12" x 24" cap. It has two faces, either textured or smooth to match the 24" caps with one side textured or with all smooth sides. This eliminates the need to make difficult miter cuts and also allows the user to make attractive caps for the 20", 26", 30" and 38" Stonegate piers (See page 83).

- **Size** ............................................. 3"h x 12"d x 12"w
- **Exposed face area** ..................... 1/4 sq. ft. (3" x 12")
- **Weight** ........................................... 36 lbs.
- **Units per pallet** ......................... 96 units
- **Weight per pallet** ...................... 3,504 lbs.

---

**STEP DETAILS**

Pavers or top of pavement
3" x 24" cap
Compacted subgrade soil or granular fill
21AA crushed limestone

Treads: Cut 12" cap depth to 11" to allow 1" overhang at nose
1" Nosing (25mm)

Double stack stair support units
21AA crushed limestone

Grade Line

---

82 | WALL STONES — STONEGATE CAPS & STEPS
PIER AND PIER CAP DETAILS

20" Pier

20" Pier, 1st and odd numbered courses

20" Pier, 2nd and even numbered courses

26" Pier

26" Pier, 1st and odd numbered courses

26" Pier, 2nd and even numbered courses

30" Pier

30" Pier, 1st and odd numbered courses

30" Pier, 2nd and even numbered courses

38" Pier

38" Pier, 1st and odd numbered courses

38" Pier, 2nd and even numbered courses

Small Pier Cap: Size: 24" square
For 20" pier or center top cap of larger piers.

Cap for 26" Pier: Size: 30" square
Note: Leave 6" square in center open for plantings or cover with 24" pier cap.

Cap for 30" Pier: Size: 34" square
Note: Leave 10" square in center open for plantings or cover with 24" pier cap.

Cap for 38" Pier: Size: 42" square
Note: Leave 18" square in center open for plantings or cover with 24" pier cap. (24" pier cap for center may need to be glued at the joints ahead of time and allowed to set up prior to installation.)
FREE-STANDING WALL APPLICATIONS

Column Corner
Similar to the “L” Return End wall detail, the Column Corner utilizes a 20” x 20” column geometry to develop an integrated pier at the end of a running wall. The detail offers visual aesthetic interest as well as provides strength at the termination end of the free-standing wall.

Wall End Column
The Wall End column is a larger version of the “Column Corner” detail. The benefit of this design option is the development of internal reinforcement to provide for greater strength and height, along with a larger footprint dimension for aesthetic purposes.
DESIGN CONSIDERATIONS

Reinforced Wall – Near Vertical Detail

Gravity Wall – Setback Detail 9.5° + Batter

REINFORCED WALLS — Vertical

For walls above 4'-6", use of battered pin position is recommended.

REINFORCED WALLS — Battered (9.5° +/- setback)

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### WALL CAPS & STAIR TREADS

#### Inventoried Colors

- **12” x 12” COUNTRY CORNER CAP**
  - Camel
  - Chestnut
  - Limestone Blend
  - Rustic Blend
  - Slate
  - Walnut Blend
  - Whitestone

- **3” x 24” SINGLE FACE SOFT SPLIT**
  - Camel
  - Limestone Blend
  - Rustic Blend
  - Slate
  - Walnut Blend

- **COPING STONE**
  - Limestone Blend
  - Rustic Blend
  - Slate
  - Walnut Blend

- **GLENSTONE BULLNOSE**
  - Camel
  - Limestone Blend
  - Slate
  - Walnut Blend

<table>
<thead>
<tr>
<th>Size (inches)</th>
<th>12” x 12” Country Corner Cap</th>
<th>Universal Cap</th>
<th>3” x 24” Soft Split Cap</th>
<th>3” x 24” All Smooth Cap</th>
<th>Coping Stone</th>
<th>Stair Tread</th>
<th>Glenstone Bullnose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight per unit (lbs.)</td>
<td>36</td>
<td>62</td>
<td>70.1</td>
<td>71.5</td>
<td>9.915</td>
<td>106</td>
<td>29.7</td>
</tr>
<tr>
<td>Units per pallet</td>
<td>96</td>
<td>56</td>
<td>48</td>
<td>48</td>
<td>117</td>
<td>28</td>
<td>96</td>
</tr>
<tr>
<td>Weight per pallet (lbs.)</td>
<td>3,456</td>
<td>3,472</td>
<td>3,365</td>
<td>3,432</td>
<td>1,160</td>
<td>2,968</td>
<td>2,858</td>
</tr>
</tbody>
</table>
Miter Cutting Universal Cap Units to Cap Inside and Outside 90° Corners

Outside Corner

Inside Corner

STEP OPTIONS:

Universal Stair Treads

Option A:

Option B:
3" x 12" x 12" Country Corner
12" Slice of 24" Cap

Universal Caps

8" or 4" Return Corner Unit

Split Locations for 90 Degree Corners in Sculptured Rock Faced Walls
OLD WORLD GLENSTONE BULLNOSE

STEP COPING: OLD WORLD GLENSTONE BULLNOSE – CAMEL
Pavers: Harbor Stone – Ironwood
Accent Pavers: Old World Vintage XLR – Coffee & Summer Wheat
Walls: Old World Stonegate – Camel
Wall Accent Course: Old World Vintage XLR – Coffee

STANDARD COLORS

- O.W. Walnut Blend
- O.W. Camel
- O.W. Slate
- O.W. Limestone Blend
FIRE PIT BLOCK

FIRE PIT BLOCK - SLATE
FIRE PIT CAP: PRECAST UNIT
SEAT WALL: STONEGATE - SLATE
SEAT WALL CAPS: PRECAST UNIT
WALLS: STONEGATE - SLATE
WALL CAPS: 3x24 SMOOTH CAP - LIMESTONE BLEND
OLD WORLD FIRE PIT BLOCK

Old World Fire Pit Block

- Makes perfect 4’ diameter circle (I.D.)
- No cutting required – 12 units per circle
- Also ideal for tree rings, wishing wells, etc.
- Stock colors: Walnut, Limestone, Slate
- 75 Units/pallet
- 38.8 lbs/unit
- 2,910 lbs/pallet

Old World 4” Radius Glenstone

- Great as a cap for Fire Pit Block
- Use with our Glenstone wall to turn radius
- No cutting required – 16 units per circle
- Stock colors: Walnut, Rustic, Limestone, Slate
- 96 Units/pallet
- 27.55 lbs/unit
- 2,645 lbs/pallet

The installation of an optional metal ring may extend the life of the Fire Pit blocks.
KEYSTONE HEWNSTONE

TOP:
WALLS: COMPAC HEWNSTONE – CAMEL
CAPS: 3x24 CAP – WALNUT BLEND

BOTTOM:
WALLS: COMPAC HEWNSTONE – CAMEL
CAPS: UNIVERSAL CAP – CAMEL
PAVERS: HOLLAND SERIES – WALNUT BLEND
WALLS: COMPAC HEWNSTONE — WALNUT BLEND
CAPS & STEP COPING: 3x24 CAP — WALNUT BLEND
Pavers: OLD WORLD VINTAGE — WALNUT BLEND
ACCENT PAVERS: OLD WORLD VINTAGE XLR — SUMMER WHEAT
KEYSTONE COMPAC HEWNSTONE UNIT:

- **Size**: 8"h x 18"w x 11"d
- **Exposed face area**: 1 sq. ft. (8" x 18")
- **Weight**: 86 lbs.
- **Units per pallet**: 36 units
- **Weight per pallet**: 3,096 lbs.

**TOP:**
WALLS: COMPAC HEWNSTONE – WALNUT BLEND
CAPS: 3x24 CAP – WALNUT BLEND

**BOTTOM:**
PIER: COMPAC HEWNSTONE 90-DEGREE RETURN CORNER – SLATE
Keystone Straight Split wall stones are clean cut and classic for those seeking a more traditional wall presentation. Keystone Straight Split wall stones are available in a wide variety of sizes and colors. Imagine the creative possibilities! Perfect for border walls, tree rings, terraces, corners, curves, steps and stairs.

**4” MINI STRAIGHT SPLIT**

- Size: 4”h x 18”w x 11”d
- Exposed face area: 1/2 sq. ft. (4” x 18”)
- Weight: 43 lbs.
- Units per pallet: 63 units
- Weight per pallet: 2,709 lbs.

**8” COMPAC III STRAIGHT SPLIT**

- Size: 8”h x 18”w x 11”d
- Exposed face area: 1 sq. ft. (8” x 18”)
- Weight: 79 lbs.
- Units per pallet: 36 units
- Weight per pallet: 2,844 lbs.

**8” STANDARD STRAIGHT SPLIT**

- Size: 8”h x 18”w x 22”d
- Exposed face area: 1 sq. ft. (8” x 18”)
- Weight: 128 lbs.
- Units per pallet: 20 units
- Weight per pallet: 2,560 lbs.

FIBERGLASS PIN

- 5-1/4” long
- 1/2” diameter
- 100 pins/box
- Two pins needed for each Mini, Compac and Standard
90 DEGREE RETURN CORNER UNITS

4" 90° CORNER

- Size: 4"h x 18"w x 9"d
- Exposed face area: 1/2 sq. ft. (4" x 18")
- Weight: 43 lbs.
- Units per pallet: 60 units
- Weight per pallet: 2,580 lbs.

8" 90° CORNER

- Size: 8"h x 18"w x 9"d
- Exposed face area: 1 sq. ft. (8" x 18")
- Weight: 86 lbs.
- Units per pallet: 30 units
- Weight per pallet: 2,580 lbs.
Like Keystone Straight Split, Keystone Sculptured Split wall stones offer a traditional and classic presentation. But you can add a creative flair with Keystone Sculptured Split wall stones. Available in a variety of colors and sculpted faces, these wall stones offer unlimited design possibilities. Turn any landscaping project — large or small — into a work of art!
<table>
<thead>
<tr>
<th>Size</th>
<th>8&quot; h x 18&quot; w x 11&quot; d</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposed face area</td>
<td>1 sq. ft. (8&quot; x 18&quot;)</td>
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<tr>
<td>Weight</td>
<td>86 lbs.</td>
</tr>
<tr>
<td>Units per pallet</td>
<td>36 units</td>
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<tr>
<td>Weight per pallet</td>
<td>3,096 lbs.</td>
</tr>
</tbody>
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<td>Weight</td>
<td>128 lbs.</td>
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<tr>
<td>Units per pallet</td>
<td>20 units</td>
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<tr>
<td>Weight per pallet</td>
<td>2,560 lbs.</td>
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<th>8&quot; h x 18&quot; w x 9&quot; d</th>
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<tr>
<td>Exposed face area</td>
<td>1 sq. ft. (8&quot; x 18&quot;)</td>
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<tr>
<td>Weight</td>
<td>86 lbs.</td>
</tr>
<tr>
<td>Units per pallet</td>
<td>30 units</td>
</tr>
<tr>
<td>Weight per pallet</td>
<td>2,580 lbs.</td>
</tr>
</tbody>
</table>
CONCAVE CURVES INSTALLATION PROCEDURES:
1. Follow standard installation instructions for preparation of the subgrade and the leveling pad.
2. Overlap the corners of the base course. The amount of overlap will vary based on the size of the curve. Gapping will occur as the units batter or move away from the point of radius. The rate of gapping is controlled by the severity of the batter (i.e., a 1:8 batter will gap more quickly than a 1:128 batter). The distance between the pin holes of adjacent first course units should not exceed 12” on center. For best visual appearance, a maximum 1/2” to 3/4” gap is recommended.
3. Follow standard installation instructions for backfilling and placement of additional courses.
4. If geogrid reinforcement is used, refer to manufacturer’s recommendations for proper placement of this material along concave curves and corners.
5. Depending on wall height, radius and batter selection, some gapping between units may occur. If gaps exceed acceptable limits, redrill new pin holes as needed, using a 5/8” masonry bit, and realign units to close the gaps.

CONVEX CURVES INSTALLATION PROCEDURES
1. Follow standard installation instructions for preparation of subgrade and leveling pad.
2. Place base course units with a small gap between adjacent units. This gap will close with the placement of each additional course of Keystone units as the units batter and converge toward the point of radius. The rate of closure is controlled by the severity of the batter (i.e., a 1:8 batter will close more quickly than a 1:128 batter). A maximum of 1/2”-3/4” gap is recommended for best visual appearance. To achieve this, the distance between the pin holes on adjacent first course units should not exceed 12” on center.
3. Follow standard installation instructions for backfilling and placement of additional courses.
4. If geogrid reinforcement is used, refer to manufacturer’s recommendations for proper placement of this material along convex curves.
5. Depending on wall height, radius and batter selection, some binding between units may occur. If this prohibits proper placement of additional units, try one of the following suggestions:
   — Trim unit corners using either a masonry chisel or concrete saw.
   — Push units back and realign. Redrill pin holes as needed using a 5/8” masonry bit.

90° OUTSIDE CORNER

90° INSIDE CORNER - ROUNDED
### GRAVITY WALL DESIGN CHARTS

#### NEAR VERTICAL WALL

**STANDARD UNITS**

<table>
<thead>
<tr>
<th>Soil Type</th>
<th>Level</th>
<th>4H:1V</th>
<th>3H:1V</th>
<th>2H:1V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand/Gravel</td>
<td>5.2’ (1.6m)</td>
<td>4.7’ (1.5m)</td>
<td>4.6’ (1.4m)</td>
<td>4.1’ (1.2m)</td>
</tr>
<tr>
<td>Silty Sand</td>
<td>4.7’ (1.4m)</td>
<td>4.3’ (1.3m)</td>
<td>4.1’ (1.2m)</td>
<td>3.6’ (1.1m)</td>
</tr>
<tr>
<td>Silt/Lean Clay</td>
<td>4.4’ (1.3m)</td>
<td>3.9’ (1.2m)</td>
<td>3.7’ (1.1m)</td>
<td>2.9’ (0.9m)</td>
</tr>
</tbody>
</table>

**COMPAC UNITS**

<table>
<thead>
<tr>
<th>Soil Type</th>
<th>Level</th>
<th>4H:1V</th>
<th>3H:1V</th>
<th>2H:1V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand/Gravel</td>
<td>2.9’ (0.9m)</td>
<td>2.3’ (0.71m)</td>
<td>2.3’ (0.71m)</td>
<td>2.3’ (0.71m)</td>
</tr>
<tr>
<td>Silty Sand</td>
<td>2.3’ (0.71m)</td>
<td>2.3’ (0.71m)</td>
<td>1.7’ (0.51m)</td>
<td>1.7’ (0.51m)</td>
</tr>
<tr>
<td>Silt/Lean Clay</td>
<td>2.3’ (0.71m)</td>
<td>1.7’ (0.51m)</td>
<td>1.7’ (0.51m)</td>
<td>1.0’ (0.30m)</td>
</tr>
</tbody>
</table>

#### ONE INCH SETBACK WALL

**STANDARD UNITS**

<table>
<thead>
<tr>
<th>Soil Type</th>
<th>Level</th>
<th>4H:1V</th>
<th>3H:1V</th>
<th>2H:1V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand/Gravel</td>
<td>6.8’ (2.1m)</td>
<td>6.2’ (1.9m)</td>
<td>5.9’ (1.8m)</td>
<td>5.3’ (1.6m)</td>
</tr>
<tr>
<td>Silty Sand</td>
<td>6.1’ (1.9m)</td>
<td>5.5’ (1.7m)</td>
<td>5.2’ (1.6m)</td>
<td>4.4’ (1.3m)</td>
</tr>
<tr>
<td>Silt/Lean Clay</td>
<td>5.3’ (1.6m)</td>
<td>4.5’ (1.4m)</td>
<td>4.1’ (1.2m)</td>
<td>3.2’ (1.0m)</td>
</tr>
</tbody>
</table>

**COMPAC UNITS**

<table>
<thead>
<tr>
<th>Soil Type</th>
<th>Level</th>
<th>4H:1V</th>
<th>3H:1V</th>
<th>2H:1V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand/Gravel</td>
<td>3.67’ (1.20m)</td>
<td>3.67’ (1.20m)</td>
<td>3.00’ (0.91m)</td>
<td>3.00’ (0.91m)</td>
</tr>
<tr>
<td>Silty Sand</td>
<td>3.00’ (0.91m)</td>
<td>3.00’ (0.91m)</td>
<td>3.00’ (0.91m)</td>
<td>2.33’ (0.71m)</td>
</tr>
<tr>
<td>Silt/Lean Clay</td>
<td>3.00’ (0.91m)</td>
<td>2.33’ (0.71m)</td>
<td>2.33’ (0.71m)</td>
<td>&lt;1.00’ (0.30m)</td>
</tr>
</tbody>
</table>

### GEOGRID CHART NOTES

The Keystone geogrid charts are graphically presented to show the proper orientation and lengths of geogrids used with Standard and Compac Units at the near vertical batter.

Heights were set in two-block increments beginning at 4.3’ and ending at 11’. Engineering judgement should be used when interpolating between heights. Heights under the 4.3’ height shown may require geogrid reinforcement depending upon the units used, soil types and surcharge loadings.

Soil ranges were selected to approximate good, medium and poor soil conditions to concisely cover the typical design range. Wall height is the total height of the wall from leveling pad to the top of the wall. The charts assume the use of a lower strength geogrid, and can be used safely with the following materials:

- Synteen SF35
- Stratagrid 200 by Strata Systems
- Mirafi 3XT

All geogrid lengths shown are the actual lengths of geogrids required as measured from the connection points to the end of the geogrid.

The design charts assume that the walls are constructed in accordance with Keystone specifications and good construction practice. All soils must be compacted in 8” lifts to 95% Standard Proctor density as determined by laboratory testing.

The information contained in the design charts is for preliminary design use only. A qualified professional should be consulted for final design assistance. Keystone accepts no liability for the improper use of these charts.
BASIC PRODUCT INSTALLATION

The Keystone Retaining Wall System was developed with simplicity of construction in mind. The following steps will guide you from start to finish.

**STEP 1: PREPARATION OF BASE LEVELING PAD**
Excavate a shallow trench to the designed length and width dimensions for your Keystone wall. Provide 12” behind the Keystone unit to allow for a granular backfill drainage zone. Keystone units should be placed on a 6” leveling pad of compacted well draining fill (i.e., sand, 1/2” to 3/4” crushed stone or gravel) at 95% Standard Proctor compaction or equal. Provide additional trench depth for below grade placement of Keystone units on a ratio of 1” below grade for each 8” of wall height above grade.

**NOTE:** When constructing walls less than 3’ high, Keystone units can be placed on firm, undisturbed, inorganic soils. Recommended 12” drainage zone may vary due to site, soil or engineering requirements.

**STEP 2: INSTALLING THE BASE COURSE**
Install the first course of Keystone units side by side over the prepared base. Level each unit side to side and front to back. Place the units such that the kidney-shaped void is on the bottom surface. Line up pins or back edge of the unit for straight wall alignment. Units should touch side point to side point as diagrammed.

**STEP 3: INSTALLING THE INTERLOCKING PINS**
Place the reinforced fiberglass pins into the paired holes in each Keystone unit. Provide pins of correct length for appropriate unit size. Once in place, the pins will allow an automatic setback when installing additional courses as per STEP 5.

**STEP 4: INSTALLING BACKFILL AND COMPACTION**
Fill all voids in and between Keystone units and behind units 12”. This fill should consist of 1/2” to 3/4” crushed stone or clean, well-draining granular fill. This allows for water drainage and compacts easily. Compact to eliminate potential settlement. Backfill behind gravel drainage zone using existing soils. (NOTE: Heavy clays or organic soils are not recommended due to water holding properties.) Compact to 95% Standard Proctor. Backfill in 8” lifts on a course basis.

**NOTE:** Only lightweight walk-behind mechanical compaction equipment should sweep the units to remove small pebbles, debris, etc., so the units rest evenly upon one another. Backfill and compact at every 8” course.

**STEP 5: INSTALLING ADDITIONAL COURSES**
Place the next course of Keystone units over the positioned fiberglass pins so they are centered on and will bridge two units below in a running bond pattern. Pins should fit into kidney-shaped recesses on bottom of units. Pull the Keystone module toward the face of the wall until the module makes full contact with both pins. Repeat STEPS 3, 4, and 5.

**STEP 6: INSTALLING KEYSTONE CAPS**
Use Keystone cap units to complete your wall. Place the Keystone cap over the projecting pins on the unit below. Pull forward to the automatic set back position. Backfill and compact to finish grade. (NOTE: In areas of high public accessibility and vandalism, we recommend construction adhesive or epoxy cement be used around the perimeter underside of the cap prior to unit placement.

The above installation guidelines apply to all Keystone unit sizes. These installation procedures do not take into account geological variations in site and soil conditions and, therefore, may require engineering consideration and detail. The final design and construction of a wall is the responsibility of the owner, not Fendt Builder’s Supply, Inc., or Keystone Wall Systems, Inc.

GEOGRID INSTALLATION (PATENTED PROCEDURES)

For taller, more critical walls where geogrid is required to resist greater lateral earth pressures, use the following steps for installation:

**STEP 1:** Follow steps 1 through 4 of BASIC PRODUCT INSTALLATION.

**STEP 2:** Excavate the reinforced soil area to the maximum embedment length.

**STEP 3:** Cut sections of geogrid off roll to the specified length. Place geogrid in proper orientation (i.e., roll out from wall toward embankment). Check manufacturer’s criteria for biaxial or uniaxial geogrids.

**STEP 4:** Hook geogrid over Keystone fiberglass pins, assuring a secure connection between unit and geogrid.

**STEP 5:** To pretension geogrid, pull the pinned geogrid taut to eliminate loose folds. Stake or secure back edge of the geogrid prior to and during backfill and compaction.

**STEP 6:** Install the next course of Keystone retaining wall units.

**STEP 7:** Proceed to place compacted backfill over geogrid in 8” lifts. Provide minimum 6” soil coverage prior to driving equipment over grid. Avoid tracked or wheeled vehicles directly on grid, or turning on grid.

**STEP 8:** Continue steps 3 through 7 until the retaining wall is complete.
Fendt offers a wide variety of colors and geometric shapes to meet your specific requirements. Don’t see what you need? Fendt can custom manufacture any of the shapes shown, in any color your imagination desires. Your Fendt representative can also discuss Fendt’s custom color and texture matching technology. Just bring us a brick or a portion of an existing retaining wall and we’ll match the color and texture to add the perfect personalized finishing touch to any commercial or residential job.
<table>
<thead>
<tr>
<th>Description</th>
<th>Units Per Sq. Ft.</th>
<th>Sq. Ft. Per Cube</th>
<th>Weight Per Sq. Ft.</th>
<th>Weight Per Cube</th>
<th>Sq. Ft. Per Strap</th>
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<tbody>
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<th>Units Per Cube</th>
<th>Weight Per Sq. Ft.</th>
<th>Weight Per Cube</th>
<th>Sq. Ft. Per Strap</th>
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## INVENTORYED WALL STONES

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<th>Weight (lbs.)</th>
<th>Units Per Cube</th>
<th>Weight Per Cube (lbs.)</th>
<th>Linear Foot Coverage</th>
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<td>30 Sets/Cube</td>
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</tr>
<tr>
<td>Compac</td>
<td>8” x 18” x 11”</td>
<td>1 Sq. Ft. (8” x 18”)</td>
<td>78</td>
<td>36</td>
<td>2,808</td>
</tr>
<tr>
<td>Straight Split Face Units</td>
<td>8” x 18” x 11”</td>
<td>79</td>
<td>36</td>
<td>2,844</td>
<td>1.5 l.f.</td>
</tr>
<tr>
<td>Hevwnstone Compac</td>
<td>8” x 18” x 11”</td>
<td>86</td>
<td>36</td>
<td>3,096</td>
<td>1.5 l.f.</td>
</tr>
<tr>
<td>Hevwnstone Return Corner</td>
<td>8” x 15” x 15”</td>
<td>53.4</td>
<td>48</td>
<td>2,563</td>
<td>1.25 l.f.</td>
</tr>
<tr>
<td>Universal Cap Unit</td>
<td>0.44 Sq. Ft.</td>
<td>62</td>
<td>56</td>
<td>3,472</td>
<td>1.5 l.f.</td>
</tr>
<tr>
<td>Universal Stair Tread</td>
<td>0.44 Sq. Ft.</td>
<td>106</td>
<td>28</td>
<td>2,968</td>
<td>1.5 l.f.</td>
</tr>
<tr>
<td>90 Degree Return Corner Units</td>
<td>8” x 18” x 11”</td>
<td>86</td>
<td>30</td>
<td>2,580</td>
<td>—</td>
</tr>
<tr>
<td>3” Cap/Coping</td>
<td>8” x 18” x 11”</td>
<td>86</td>
<td>30</td>
<td>2,580</td>
<td>—</td>
</tr>
<tr>
<td>Country Corner</td>
<td>3” x 24” Cap</td>
<td>72</td>
<td>48</td>
<td>3,504</td>
<td>2 l.f.</td>
</tr>
<tr>
<td>Country Corner</td>
<td>3” x 12” x 12”</td>
<td>36</td>
<td>96</td>
<td>3,504</td>
<td>1 l.f.</td>
</tr>
<tr>
<td>Coping Stone</td>
<td>3-7/8” x 12” x 22”</td>
<td>2.83 Pcs/Sq. Ft.</td>
<td>10</td>
<td>117</td>
<td>1,170</td>
</tr>
</tbody>
</table>

## SPECIAL ORDER WALL STONES

| Mini Straight Split                     | 4” x 18” x 11”    | 43            | 63             | 2,709                  | 1.5 l.f.             |
| Mini Sculptured Split                   | 4” x 18” x 11”    | 46            | 56             | 2,576                  | 1.5 l.f.             |
| Mini Cap Sculptured Split               | 4” x 18” x 11”    | 46            | 56             | 2,576                  | 1.5 l.f.             |
| 4” 90° Return Corner                    | 4” x 18” x 9”     | 43            | 60             | 2,580                  | —                    |
| Compac Cap Sculptured Split             | 8” x 18” x 11”    | 96            | 32             | 3,072                  | 1.5 l.f.             |
| Country Manor SE - Smooth Ends          | 6” x 10” x 6”/4”  | 1 Set = 1.4 Sq. Ft. Max. | 66          | 20 Sets/Cube | 2,928                  | 1 Set = 2.5 l.f. Max. |
| 6” Medium Unit                          | 6” x 12” x 12”/10” | 40 Sets/Cube | 3,088          | 1 Set = 2.5 l.f. Max. |
| 6” Small Unit                           | 6” x 10” x 6”/4”  | 12            |                |                        | 125 l.f.             |
| 3” Large Unit                           | 3” x 12” x 12”/10” | 35            | 26             | 3,088                  | 1 Set = 2.5 l.f. Max. |
| 3” Medium Unit                          | 3” x 10” x 6”/4”  | 12            |                |                        | 125 l.f.             |
| 3” Small Unit                           | 3” x 10” x 6”/4”  | 12            |                |                        | 125 l.f.             |
| Country Manor Return Corner             | 6” x 10” x 6”/4”  | 1 Set = 0.7 Sq. Ft. Max. | 30          | 40 Sets/Cube | 3,088                  | 1 Set = 2.5 l.f. Max. |
| 6” Medium Unit                          | 6” x 12” x 12”/10” | 36            | 27             | 3,088                  | 1 Set = 2.5 l.f. Max. |
| 6” Small Unit                           | 6” x 10” x 6”/4”  | 13            |                |                        | 125 l.f.             |
| 3” Country Manor Return Corner Large    | 3” x 12” x 12”/10” | 36            | 27             | 3,088                  | 1 Set = 2.5 l.f. Max. |
| 3” Country Manor Return Corner Medium   | 3” x 10” x 6”/4”  | 13            |                |                        | 125 l.f.             |
| 3” Country Manor Return Corner Small    | 3” x 10” x 6”/4”  | 13            |                |                        | 125 l.f.             |
| Sculptured Split Face Units             | 8” x 18” x 22”    | 1 Sq. Ft. (8” x 18”) | 116       | 20                     | 2,320                | 1.5 l.f.           |
| Straight Split Face Units               | 8” x 18” x 22”    | 128           | 20             | 2,560                  | 1.5 l.f.             |