Triangle Brick

Triangle Brick has put together this special shapes guide to help you decide what shapes will work best with your design. In addition to the specific dimensions and shapes illustrated, we’ve included a number of photographs to give you an idea of how other builders have used brick as the main ingredient in their buildings and as creative accents around the exterior of the home.
Custom Shapes

The illustrations and photos in this shapes guide represent a variety of shapes to enhance your design. The most commonly used special shapes are shown in this guide, but if you can imagine it, we can probably design it. Send us your custom-designed shape drawing with dimensions and sizes you need. We will examine the drawing and advise what can be done.

To order any of the shapes illustrated in this guide, simply identify the specific brick shape by the number indicated and use the number when ordering. Include the type, size and any other important information about the brick you request. The shapes in this guide and custom orders cannot be cancelled once production has begun.

TABLE OF CONTENTS

BRICK ARCHES & KEYS .................................................................................................... 3-6
OGEE TREADS & SILLS ............................................................................................... 7-9
WATERTABLES, RADIALS & ANGLES .................................................................. 10-15
BULLNOSE BRICKS & WALL CAPS ..................................................................... 16-19
STOCK SHAPES PAGE ............................................................................................. 20

All brick units marketed by Triangle Brick Company meet 4” modular design requirements and all relevant ASTM specifications for clay brick masonry.
There is something rather grand and stately about an arch, and brick arches are especially elegant. Arches can be built in several different shapes and styles to give windows and doorways a graceful, finished look. Visually uplifting, arches serve to beckon and welcome.

Arches can be simple and understated or bold and dramatic. Keys are a classic feature of some types of arches, and they can help create a sense of tradition and substance. The smooth surfaces contrast beautifully with the textures of surrounding brick.
The length of the masonry opening can be sized to suit your building plans.

Note: 60° skew angle.

The radius of a semicircular arch can be sized to suit your building plans.

Note: Specify either 7.625" or 9" length.
The radius of a segmental arch can be sized to suit your building plans.

\[ \text{Note: } 60^\circ \text{ skew angle.} \]

The radius of a circular arch can be sized to suit your building plans.

The radii of an elliptical arch can be sized to suit your building plans.

Note: Specify either 7.625" or 9" length.
Arches with Keys

Modular Brick Size

Jack Arch
3 Course - 1 Piece with Standard Key

Note:  
60° skew angle.

Engineer Brick Size

Jack Arch
4 Course - 2 Piece with Queen Key

Note:  
60° skew angle.

Jack Arch
4 Course - 2 Piece with King Key

Note:  
60° skew angle.

Engineer Brick Size

Jack Arch
3 Course - 1 Piece with Mini Key

Note:  
60° skew angle.

New Concept
4 Course Arch with Queen Key

Note:  
76° skew angle.

New Concept
4 Course Arch with Standard Key

Note:  
76° skew angle.

AR102
Standard Concrete Key

AR103
Queen Concrete Key

AR104
King Concrete Key

AR105
Mini Concrete Key

Note:
Order left and right segments.

Note:
Order left and right segments.
Ogee Treads and Sills

Ogee bricks give treads and sills a soft, smooth finish and a look of refined elegance. They speak of quality, gentility and the pride of craftsmanship. The smooth, rounded edges of ogee treads can turn outdoor steps into a gracious, inviting entrance.

Ogee sills lend the same aesthetic enhancement to windows, giving them a firm foundation on which to rest. The soft edges and horizontal lines of ogee sills are accent features that add depth and definition.
Ogee Treads

OG-1
Ogee Rowlock

OG-2
Ogee Rowlock Corner Modular

OG-3
Ogee Rowlock Corner Engineer

OG-4
Ogee Header

OG-5
Ogee Header Corner

Dimension Table

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2¼&quot;</td>
<td>3⁹⁄₁₆&quot;</td>
<td>7⁵⁄₈&quot;</td>
</tr>
<tr>
<td>Engineer</td>
<td>2³⁄₄&quot;</td>
<td>3⁹⁄₁₆&quot;</td>
<td>7⁵⁄₈&quot;</td>
</tr>
</tbody>
</table>
Note:
Remember when ordering sill returns, order both left and right returns. (Shown here as right hand return.)
Watertables, Radials and Angles

Once a functional element in building design, watertables are now used to enhance visual appeal by adding depth and detail. Watertables can be simple or elaborate to match the size and design of the building.

Radial bricks, with their gently curved surfaces, are used to create circular columns or serpentine walls. Radials form brickwork with smooth, sweeping curves, uninterrupted by sharp angles or jagged edges.

Angle bricks allow brickwork to change course without a mortar joint at every turn. They give meandering walls a natural, flowing look.
Ogee Watertable Brick

**Dimension Table**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2 1/4&quot;</td>
<td>3 9/16&quot;</td>
<td>7 5/8&quot;</td>
</tr>
<tr>
<td>Engineer</td>
<td>2 3/4&quot;</td>
<td>3 9/16&quot;</td>
<td>7 5/8&quot;</td>
</tr>
</tbody>
</table>

Note:
Specify left or right return.
Cove Watertable Brick

Cove Header, Outside Corner and Inside Corner Usage

Cove Stretcher, Stretcher Outside Return and Inside Corner Usage

Note:
Specify left or right return.
(Shown here as right hand return.)

Dimension Table

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2(\frac{3}{4})&quot;</td>
<td>3(\frac{9}{16})&quot;</td>
<td>7(\frac{5}{8})&quot;</td>
</tr>
<tr>
<td>Engineer</td>
<td>2(\frac{3}{4})&quot;</td>
<td>3(\frac{9}{16})&quot;</td>
<td>7(\frac{5}{8})&quot;</td>
</tr>
</tbody>
</table>
Beveled Watertable Brick

**WBe-H1**
Beveled Header

**WBe-IC**
Beveled Inside Corner

**WBe-OC**
Beveled Header Outside Corner

**WBe-S1**
Beveled Stretcher

**WBe-OR**
Beveled Stretcher Outside Return

---

**Dimension Table**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2 1/4”</td>
<td>3 9/16”</td>
<td>7 5/8”</td>
</tr>
<tr>
<td>Engineer</td>
<td>2 1/4”</td>
<td>3 9/16”</td>
<td>7 5/8”</td>
</tr>
</tbody>
</table>

---

**Note:**
Specify left or right return.
(shown here as left hand return.)
Bullnose Watertable Brick

Bullnose Header, Inside Corner and Outside Corner Usage

Dimension Table

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2½”</td>
<td>3⅛”</td>
<td>7⅜”</td>
</tr>
<tr>
<td>Engineer</td>
<td>2¾”</td>
<td>3⅛”</td>
<td>7⅜”</td>
</tr>
</tbody>
</table>

Note: Specify left or right return. (Shown here as left hand return.)
### Radial Brick

**Usage**

The radius of the curve of the brick units can be sized to fit your building plans.

**Dimension Table**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2 1/4”</td>
<td>3 9/16”</td>
<td>7 5/8”</td>
</tr>
<tr>
<td>Engineer</td>
<td>2 3/4”</td>
<td>3 9/16”</td>
<td>7 5/8”</td>
</tr>
</tbody>
</table>

### Angle Brick

**Usage**

The angle of the brick units can be made to suit your building plans.

**Dimension Table**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2 1/4”</td>
<td>3 9/16”</td>
<td>6”</td>
<td>2”</td>
</tr>
<tr>
<td>Engineer</td>
<td>2 3/4”</td>
<td>3 9/16”</td>
<td>6”</td>
<td>2”</td>
</tr>
</tbody>
</table>
Bullnose bricks are far more attractive than their name suggests. With ends that are rounded on one edge and square on the other, bullnose can enhance a variety of design features. They are often used to top off walls, giving them a soft, elegantly finished appearance.

The different shapes of brick wall caps can create a range of looks — from simple to stately to dressy. Ogee caps and bell caps, for example, soften corners and angles. Half-moon caps give walls a rounded top, and ridge caps have straight sides that slope away from a sharp peak.

The right brick cap can be a beautiful complement to any wall design.
Bullnose Bricks

**SB-R1**
Single Bullnose Rowlock

**SB-R2**
Single Bullnose Rowlock Corner Modular

**SB-R3**
Single Bullnose Rowlock Corner Engineer

**DB-R1**
Double Bullnose Rowlock

**DB-R2**
Double Bullnose Rowlock Corner Modular

**DB-R3**
Double Bullnose Rowlock Corner Engineer

**Dimension Table**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2\frac{1}{4}&quot;</td>
<td>3\frac{3}{16}&quot;</td>
<td>7\frac{5}{8}&quot;</td>
</tr>
<tr>
<td>Engineer</td>
<td>2\frac{3}{4}&quot;</td>
<td>3\frac{3}{16}&quot;</td>
<td>7\frac{5}{8}&quot;</td>
</tr>
</tbody>
</table>
Bullnose Bricks

<table>
<thead>
<tr>
<th>Dimensions Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>Modular</td>
</tr>
<tr>
<td>Engineer</td>
</tr>
</tbody>
</table>

Single Bullnose Header Corner Usage

Double Bullnose Header Corner Usage

Double Bullnose Rowlock Wall End Modular Usage

Double Bullnose Rowlock Wall End Engineer Usage

Double Bullnose Header Wall End Modular Usage

Double Bullnose Header Wall End Engineer Usage
Stock Shapes

Dimension Table

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>2 3/4&quot;</td>
<td>3 3/8&quot;</td>
<td>7 7/8&quot;</td>
<td>7 7/8&quot;</td>
</tr>
<tr>
<td>Engineer</td>
<td>2 3/4&quot;</td>
<td>3 3/8&quot;</td>
<td>7 7/8&quot;</td>
<td>9&quot;</td>
</tr>
</tbody>
</table>

Note:
Rowlock Wall Ends are non-stock items.