Precision
Concrete Masonry Units

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Precision Units

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Description
Precision units are smooth-faced, straight-edged concrete masonry units (CMU). They're the basic, common block type with an as-molded finish produced by vibration during manufacture. Precision units offer the most utility and versatility as seen in the wide range of available units.

Sizes of Precision units are expressed as nominal dimensions that compensate for a standard 3/8-inch mortar joint. That is, an 8x8x16 is actually 7 5/8x7 5/8x15 5/8 inches, with permissible variation in overall dimensions (width, height, length) of ± 1/8-inch.

Standards
All Precision units manufactured by Angelus Block are hollow or solid loadbearing CMU in accordance with ASTM C90.

Availability
Standard, or stock, items include a variety of widths in three weights:

- Normal Weight is stocked in gray and select colors in typical sizes for fence and site walls.
- Medium Weight is stocked in gray and a color in a “tan” range.
- Lightweight is stocked in gray only and may be limited in availability.

Units shown in this section are generally available except as noted.

Special order items are in addition to normal stock and are indicated as “Special Order Only”. Such units require manufacturing lead times and possible minimum quantities. Additional charges may apply depending on order quantities.

Most Precision units may be burnished or shotblast on special order. Please visit www.angelusblock.com for details.

High-Stress units with compressive strengths of 2,500 to 3,750 net psi are available on special order. Limited inventory may be available in some facilities; verify with your representative.

Colors are available on special order from an extensive palette. Contact your representative for color references and materials, or visit Colors & Textures at www.angelusblock.com.

For any special order, whether for configuration, strength, weight, or color, please contact your representative for specific information.

Specifications
Please see Specifications at www.angelusblock.com/specifications.cfm for guide specs containing informative user notes.

Website
Keep current! Visit https://www.angelusblock.com for up to date products and information.

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## 4 Wide

### 4 High

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 5/8 x 3 5/8</td>
<td>4x4x16</td>
</tr>
<tr>
<td>17 5/8 x 3 5/8</td>
<td>4x4x18</td>
</tr>
<tr>
<td>15 5/8 x 3 5/8</td>
<td>4x8x16</td>
</tr>
<tr>
<td>17 5/8 x 3 5/8</td>
<td>4x8x18</td>
</tr>
</tbody>
</table>

### 8 High

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 5/8 x 7 5/8</td>
<td>4x4x12 Corner</td>
</tr>
<tr>
<td>17 5/8 x 7 5/8</td>
<td>4x4x9 Half</td>
</tr>
<tr>
<td>15 5/8 x 7 5/8</td>
<td>4x8x12 Corner</td>
</tr>
<tr>
<td>17 5/8 x 7 5/8</td>
<td>4x8x9 Half</td>
</tr>
</tbody>
</table>

### Pilasters for 4-inch wide units

Use with 4-inch wide units in fence wall applications

- 8x8x16 H-Pilaster*
- 8x8x16 A-Pilaster*
- 8x8x16 Balboa H-Pilaster
- 8x8x16 Balboa Open End (Balboa A)

* Limited inventory - verify availability
6 Wide

4 High

6x4x12
Standard
SPECIAL ORDER ONLY

6x4x16
Standard*

6x4x18
Standard
SPECIAL ORDER ONLY

6x6x16
Standard
SPECIAL ORDER ONLY

6x4x6
Half
SPECIAL ORDER ONLY

6x4x14
Corner
SPECIAL ORDER ONLY

6x4x15
Corner
SPECIAL ORDER ONLY

6x6x8
Half
SPECIAL ORDER ONLY

6x4x8
Half
SPECIAL ORDER ONLY

6x4x9
Half
SPECIAL ORDER ONLY

* Limited inventory - verify availability
8 High

6x8x16 Standard

6x8x16 Double Open End Bond Beam*

6x8x16 Speed Block SPECIAL ORDER ONLY

6x8x18 Standard

6x8x16 Open End Standard*

6x8x14 Corner

6x8x16 Standard Single Bullnose SPECIAL ORDER ONLY

6x8x15 Corner

6x8x16 Bond Beam

6x8x8 Half

6x8x16 Standard Double Bullnose SPECIAL ORDER ONLY

6x8x9 Half

6x8x16 Open End Bond Beam*

6x8x8 U-Lintel SPECIAL ORDER ONLY

Typical bond beam configurations

* Limited inventory - verify availability

Note: Open Ends and Bond Beam configurations as shown are representational; available profiles may differ.
**Interlocking Fence Units**

### 4 Wide
- **4x8x18** Catalina
  - SPECIAL ORDER ONLY
- **4x8x9** Catalina Half (Breakaway)
  - SPECIAL ORDER ONLY
- **4x8x16** Tongue & Groove Beveled Ends

### 6 Wide
- **6x8x18** Catalina
  - SPECIAL ORDER ONLY
- **6x8x9** Catalina Half
  - SPECIAL ORDER ONLY
- **6x8x16** Tongue & Groove Beveled Ends
- **6x8x8** Stucco Block*
  - SPECIAL ORDER ONLY
- **6x8x8** T & G Beveled End Half (Mixed)
  - SPECIAL ORDER ONLY

### 8 Wide
- **8x8x16** Tongue & Groove Beveled Ends
  - SPECIAL ORDER ONLY
- **8x8x8** T & G Beveled End Half (Mixed)
  - SPECIAL ORDER ONLY

* Limited inventory - verify availability

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This unit is used in Proto II Wall System lot separation walls.
Interlocking Fence Units

4 Wide

- 4x8x18 Balboa*
- 6x8x16 Open Top Balboa SPECIAL ORDER ONLY
- 6x8x16 Tongue & Groove 11-Score Bond Beam Cap*

6 Wide

- 6x8x18 Balboa*
- 6x8x18 Open Top Balboa SPECIAL ORDER ONLY
- 6x8x18 Balboa Open End (Balboa A) SPECIAL ORDER ONLY

8 Wide

- 8x8x16 Balboa Open End (Balboa A) SPECIAL ORDER ONLY
- 8x8x16 Balboa H-Pilaster SPECIAL ORDER ONLY

Balboa A and H-Pilaster units are used with 4-inch wide CMU in fence wall applications.

Balboa Score Details

- 3/8
- 1 3/16
- 16-Inch Long Units
- 3/8
- 1 3/8
- 18-Inch Long Units

* Limited inventory - verify availability
**8 Wide**

**2 High**

8x2x16
Standard
SPECIAL ORDER ONLY

Actual height is 2 inches.

This unit may have limited location or color availability. Please consult your Angelus Block representative.

**6 High**

8x6x16
Standard
SPECIAL ORDER ONLY

8x6x16
Double Open End Bond Beam
SPECIAL ORDER ONLY

**4 High**

8x4x16
Standard

8x4x16
Open End Standard

8x4x16
Bond Beam
SPECIAL ORDER ONLY

8x4x16
Open End Bond Beam

8x4x16
Open End Bond Beam
SPECIAL ORDER ONLY

8x4x8
Half

8x4x8
U-Lintel

8x6x16
Open End Bond Beam
SPECIAL ORDER ONLY

Note: Open Ends and Bond Beam configurations as shown are representational; available profiles may differ.
**8 Wide**

**8 High**

- 8x8x16 Standard
- 8x8x16 Double Open End Bond Beam
- 8x8x16 Solid Bottom U-Lintel
- 8x8x16 Standard Single Bullnose
- 8x8x16 Open End Standard
- 8x8x8 Half
- 8x8x16 U-Lintel
- 8x8x16 Standard Double Bullnose
- 8x8x16 Bond Beam
- 8x8x8 U-Lintel
- 8x8x16 Speed Block*
- 8x8x24 Standard
- 8x8x16 Open End Bond Beam
- 8x8x16 Standard No Center Web
- 8x8x12 Half

* Limited inventory - verify availability

Note: Open Ends and Bond Beam configurations as shown are representational; available profiles may differ.

* Typical bond beam and sash configurations

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Precision - 7
10 Wide

4 High

10x4x16
Standard
SPECIAL ORDER ONLY

10x4x8
Half
SPECIAL ORDER ONLY

6 High

10x6x16
Standard
SPECIAL ORDER ONLY

10x6x8
Half
SPECIAL ORDER ONLY

10x8x16
Double Open End Bond Beam
SPECIAL ORDER ONLY

10x8x8
Open End Standard*

10x8x8
Open End Bond Beam*

10x8x8
Half*

10x8x8
U-Lintel*

10x8x16
w/ 8-Inch Offset Core
SPECIAL ORDER ONLY

Offset Core units may be available in additional configurations.

Note: Open Ends and Bond Beam configurations as shown are representational; available profiles may differ.

* Limited inventory - verify availability

Typical bond beam configurations

4-high units

6-high units

8-high units

Sash
4 High

- 12x4x16 Standard
- 12x4x16 Open End Standard
- 12x4x16 Bond Beam
- 12x4x16 Open End Bond Beam

6 High

- 12x4x8 Half
- 12x6x16 Standard
- 12x6x16 Open End Standard
- 12x6x16 Bond Beam
- 12x6x16 Double Open End Bond Beam

Note: Open Ends and Bond Beam configurations as shown are representational; available profiles may differ.
**12 Wide**

**8 High**

12x8x16 Standard

12x8x16 Double Open End Bond Beam

12x8x16 U-Lintel

12x8x16 Standard Single Bullnose

SPECIAL ORDER ONLY

12x8x16 Open End Standard

12x8x16 Solid Bottom W-Lintel

12x8x16 Speed Block

12x8x16 Standard Double Bullnose

SPECIAL ORDER ONLY

12x8x16 Bond Beam

12x8x8 Half

12x8x16 Grout Lock

SPECIAL ORDER ONLY

12x8x16 w/ 8-Inch Offset Core

SPECIAL ORDER ONLY

12x8x16 Open End Bond Beam

12x8x8 U-Lintel

12x8x16 w/ 10-Inch Offset Core

SPECIAL ORDER ONLY

Typical bond beam and sash configurations

Offset Core units may be available in additional configurations.

Note: Open Ends and Bond Beam configurations as shown are representational; available profiles may differ.
# 16 Wide & Pilasters

## 16 Wide

- **16x8x16 Double Open End Bond Beam**  
  SPECIAL ORDER ONLY

- **16x8x16 U-Lintel**  
  SPECIAL ORDER ONLY

- **16x8x16 Ring Bond Beam**  
  SPECIAL ORDER ONLY

## Columns/Pilasters

- **12x8x12 Ring**

## In-Wall Pilasters

- **16x8x6 C-Alternate**
- **12x8x16 Banjo Pilaster**
- **16x8x8 C-Alternate**
- **16x8x16 Banjo Pilaster**

## Typical bond beam configurations

- **7 1 1/2**
- **8 1/2 2 1/2 DOEBB**

- **24x8x16 C-Alternate**  
  SPECIAL ORDER ONLY
45-Degree, Y-Block, & Miter

8x8x16
Standard 45-Degree
SPECIAL ORDER ONLY

8x8x16
Y-Block Open End w/ KOBB
Also available in 6-inch wide.
SPECIAL ORDER ONLY

8x8x16
45-Degree Chevron DOE BB
Also available in 6-inch wide.
SPECIAL ORDER ONLY

8x8x16
Corner 45-Degree
SPECIAL ORDER ONLY

8x8x16
22.5-Degree Miter DOE BB
Left and Right
Also available in 6-inch wide.
SPECIAL ORDER ONLY

8x8x16
11.5-Degree Miter DOE BB
Left and Right
Also available in 6-inch wide.
SPECIAL ORDER ONLY
Example layouts of
Y-Block
45-Degree Chevron
22.5-Degree Miter
Double Open End Bond Beam
All radius dimensions are to the outside face.

8x8x16 8-Inch Radius
SPECIAL ORDER ONLY

Radius ends cut from 8x8x16 unit.

83/4 I.D.

Ends of 1-Foot Radius are knock-out bond beams.

8-in. R = 1 per 90°

Alternate Course

8x8x16 1-Foot Radius
SPECIAL ORDER ONLY

2-ft. R = 2 per 90°

Alternate Course

8x8x16 2-Foot Radius
SPECIAL ORDER ONLY
All radius dimensions are to the outside face.

8x8x16
4-Foot Radius
SPECIAL ORDER ONLY

14 1/2

8x8x16
5-Foot 2-Inch Radius
SPECIAL ORDER ONLY

15 13/16

8x8x16
6-Foot Radius
SPECIAL ORDER ONLY

15 3/4

4-ft. R = 5 per 90°

5-ft. 2-in. R = 6 per 90°

6-ft. R = 7 per 90°

Alternate Course

Alternate Course

Alternate Course
Caps

- 4x2x16 Cap
- 6x2x16 Cap
- 8x2x16 Cap

- 8x4x16 Solid Cap
- 10x4x16 Solid Cap
- 12x4x16 Solid Cap

- 10x4x16 Mushroom Cap
- 8x4x16 Beveled Cap

- 10x4x16 Beveled Cap
- 19.5x4x19.5 Beveled Pilaster Cap

SPECIAL ORDER ONLY

LIMITED INVENTORY

Alternate Orientation
Screen Units may be limited in inventory and/or plant locations; please verify availability with your representative.
**Sill Block & Combed Face**

10x4x8
Sloped Sill Block

10x4x8
Flat Top Sill Block

8x8x16
Combed Face
SPECIAL ORDER ONLY

12x8x16
Combed Face
SPECIAL ORDER ONLY

SPECIAL ORDER ONLY