KASTLE-WALL

A large retaining wall system...KASTLE-wall

BENEFITS

- **Product Availability:** No more searching for natural stone. These blocks are made from poured concrete with a natural stone face.
- **Faster Installation:** Walls install faster, maximizing productivity of your equipment and reducing the manual labor associated with each project.
- **Taller Gravity Walls:** The massive size and weight of the block creates the ability to build taller unreinforced retaining walls that can be done with smaller retaining wall blocks.

SUMMARY SPECIFICATIONS

- **Block Face:** Each full block has 5.33 sq. ft. of wall face.
- **Concrete:** Minimum of 3,000 PSI compressive strength.
- **Lifting Device:** Lifting insert anchor designed for easy attachment.
- **Minimum Inside Turning Radius:** 13.1 ft. at top course with 3.6˚ setback.
- Retaining wall setback of 3.6˚ is automatically built into the wall via the design of the tongue and groove locking mechanism. Spacer bars available to change to 7.2˚ setback. A 7.2˚ setback is achievable with 1” fiberglass spacer bars.

FEATURES

- **Size:** Place just one block and you have installed 5.33 sq. ft. of retaining wall.
- **Engineering:** Due to their massive size, walls can be engineered up to 16’ high under ideal conditions without the use of geogrid reinforcement.
- **Durability:** The block is made from wet-cast concrete with a minimum of 3,000 PSI compressive strength.
- **Aesthetics:** The block has a natural stone face look. A completed wall can be stained to provide incomparable authenticity and appeal.
- **Modular Dimensions:** With a standard face size of 48” x 16”, the blocks are easy to install and can be easily substituted for other retaining wall products.

KASTLE-WALL UNITS

<table>
<thead>
<tr>
<th><em>Full Block</em></th>
<th>16” H x 48” W x 24” D min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half Block</td>
<td>16” H x 24” W x 24” D min.</td>
</tr>
<tr>
<td>Corner Block</td>
<td>16” H x 24” W x 24” D Right and Left</td>
</tr>
<tr>
<td>Corner Top Block</td>
<td>16” H x 48” W x 24” D Right and Left</td>
</tr>
<tr>
<td>Full Top Block</td>
<td>16” H x 48” W x 24” D</td>
</tr>
<tr>
<td>39” Fitting Block</td>
<td>Both sides notched 10.5” wide</td>
</tr>
</tbody>
</table>

*Available in 24”, 39”, 45”, and 60” deep units

Kastle-wall is a product of ReCon Wall Systems, Inc.
## KASTLE-WALL

### Modular
- 16" x 24"
- 24", 39", 45", or 60"
- 48" x 48"

### Half Block
- 16" x 24"
- 24", 39", 45", or 60"
- 48" x 48"

### Corner Block
- 16" x 24"
- 48" x 24"

### Corner Top Block
- 16" x 24"
- 48" x 24"

### Full Top Block
- 16" x 24"
- 48" x 24"

### 39" Fitting Block
- Both sides notched 10.5" wide

### TYPICAL INSTALLATION SECTION

1. **12" Drainage Zone**
   - (3/4" Crushed Rock)
   - Height Varies

2. **24" Unit - Top Block**
   - 24" Block
   - 24" Block
   - 39" Block
   - 39" Block

3. **24" Block**
   - 39" Block
   - 39" Block
   - 39" Block
   - 45" Block
   - 45" Block
   - 60" Base Block

4. **60" Base Block**

5. **Embedment Varies**
   - 6" Minimum

6. **Foundation Soil**

7. **Drain Tile**

8. **8" Low Permeable Soil**

9. **Retained Soil**

10. **Approximate Limits of Excavation**

11. **Approximate Limits of Excavation**
    - (varies where subcut is required)

12. **Reinforced Concrete or Crushed Stone Leveling Pad**
    - (6" Minimum Thickness)

13. **Subcut to depth "D" as required and replace with suitable compacted structural fill to achieve the required bearing capacity and sliding resistance as directed by the site geotechnical engineer. All structural fill is to be compacted to a minimum 98% Standard Proctor density.**