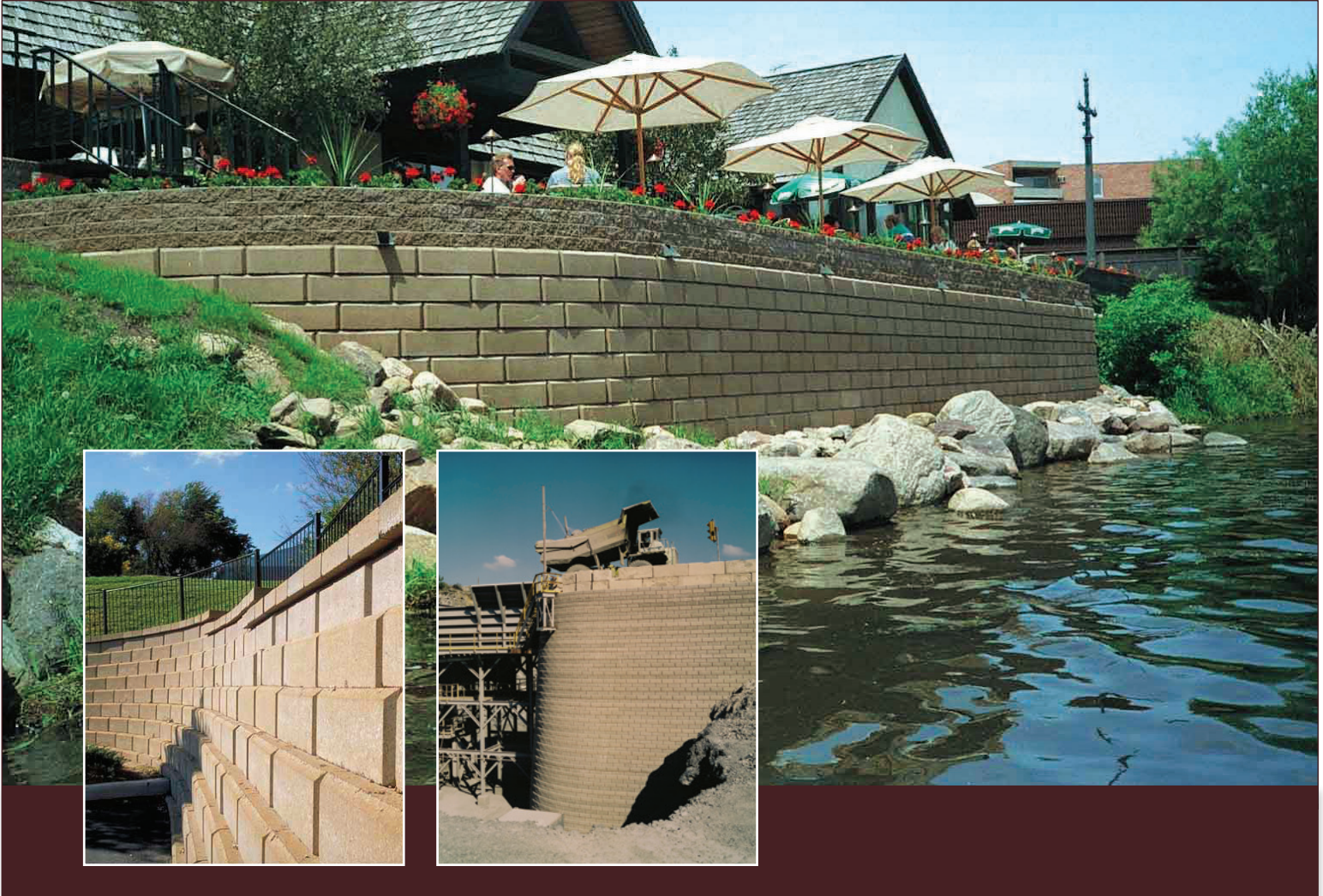


VERSA-LOK Brute



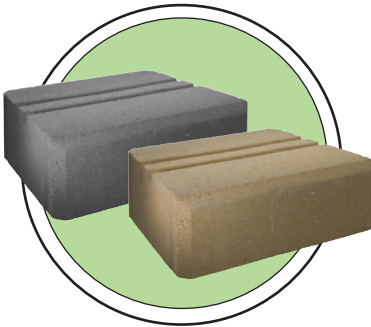
Sometimes a job calls for more than an ordinary retaining wall. That's when you need VERSA-LOK Brute, the undisputed heavyweight champion of solid, pinned segmental retaining wall systems. With Brute, you get 240 pounds of VERSA-LOK dependability in every unit. And at 1-1/3 square feet of face area per unit, you get the coverage you need in less time than with other retaining wall systems, saving installation costs. Brute also will take you higher—up to 8 feet—without soil reinforcement in most installations. That makes Brute ideal for limited-access sites or projects where extensive excavation isn't possible or practical.

Like all VERSA-LOK retaining wall systems, Brute features solid construction and a patented hole-to-slot pinning system. The solid design of Brute units means there are no voids to fill, which ensures easy, reliable installation and longer-lasting durability. Solid construction also makes Brute the perfect solution for walls subject to surcharge loads, such as in parking lots, industrial sites or shoreline applications.

VERSA-LOK's top-pinning system provides greater stability and increased design flexibility. Pins are inserted into holes in upper-course units and tapped into slots in lower-course units. This series of holes and slots is engineered to either allow vertical alignment or provide an automatic 3-inch setback of each course. It also enables a variable bond and, with its trapezoid shape, the construction of curves with a radius as tight as 6 feet.

Brute units are installed in pairs using a special clamp attached to a backhoe or similar lifting equipment. No concrete footings are required for Brute walls; Brute is dry-stacked without mortar on a 6-inch crushed-rock leveling pad. Caps are available for finishing any Brute project.

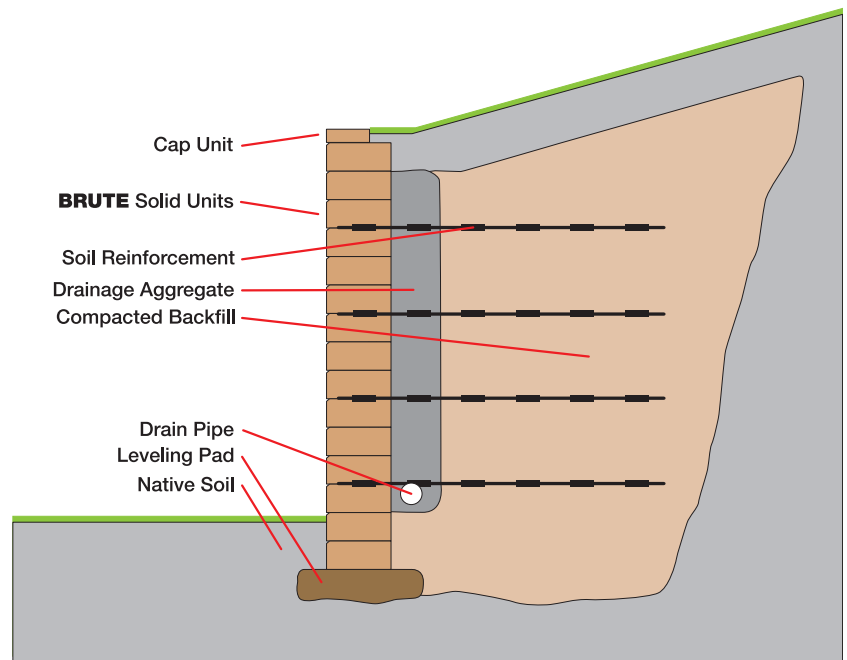
Brute's crisp, clean horizontal lines add bold definition to any project. For an enhanced appearance, the wall face can be stained after installation.



Brute Unit Specifications

(Actual unit color, size and weight may vary slightly by region.)

Height:	8 inches	(203.2 mm)
Width (face):	24 inches	(609.6 mm)
Width (rear):	21 inches	(533.4 mm)
Depth:	18 inches	(457.2 mm)
Face Area:	1.33 foot ²	(.124 m ²)
Volume:	1.875 foot ³	(.053 m ³)
Weight:	240 lbs	(108.9 kg)
Weight/Face Area:	180 lbs/foot ²	(878.2 kg/m ²)



HOW BRUTE WALLS WORK

In many cases, VERSA-LOK Brute segmental retaining walls work as unreinforced gravity systems in which the weight of the units alone provides resistance to earth pressures. Maximum allowable height for gravity walls varies with soil and loading conditions. Generally, with level backfill and no excessive loading, Brute unreinforced gravity walls may be built to heights of 8 feet with a 3-inch setback.

When the weight of the units alone is insufficient to resist soil loads, vertically spaced horizontal layers of VERSA-GRID or other types of geogrid are used to reinforce soil behind walls. Brute retaining walls can be built to heights of 50 feet or more

with proper soil reinforcement and design assistance from a licensed professional engineer.

If you have questions about reinforced walls, VERSA-LOK engineers are available to provide preliminary estimates, design details and other technical information. Call (800) 770-4525 to consult with VERSA-LOK's engineering department.

Visit www.versa-lok.com for a full array of information on VERSA-LOK systems, including product descriptions, specifications, installation tips, downloadable AutoCAD details and literature.

Products shown may be covered by one or more of the following:

U.S. Patent D319,885, U.S. Patent D321,060, U.S. Patent D341,215, U.S. Patent D346,667, U.S. Patent D378,702, U.S. Patent D391,376, U.S. Patent D430,680, U.S. Patent D435,302, U.S. Patent D439,678, U.S. Patent D452,332, U.S. Patent D458,387, U.S. Patent 6,488,448, U.S. Patent 6,960,048, U.S. Patent D537,533 and other U.S. patents pending; Canadian Industrial Design Registration No. 63929, No. 71472, No. 73910, No. 73911, No. 73912, No. 77816, No. 79058, No. 82288, and No. 89084. I.C.B.O. No. 4625