



STONEWALL ION

One System. Two Aesthetics. Three Wall Styles

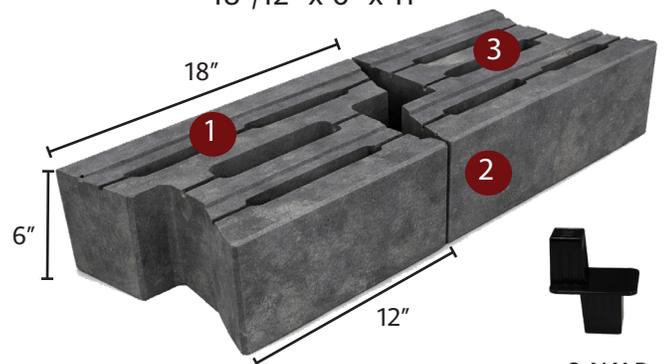
• Linear • Contemporary Ashlar • Freestanding Features

- Single-Unit System
- Two Aesthetic Layouts
- Retaining or Freestanding Walls
- 3-Way Alignment Plug (3WAP)
- Linear or Ashlar Patterns
- Fast, Repeatable Installation

StoneWall® Ion

Unit Details

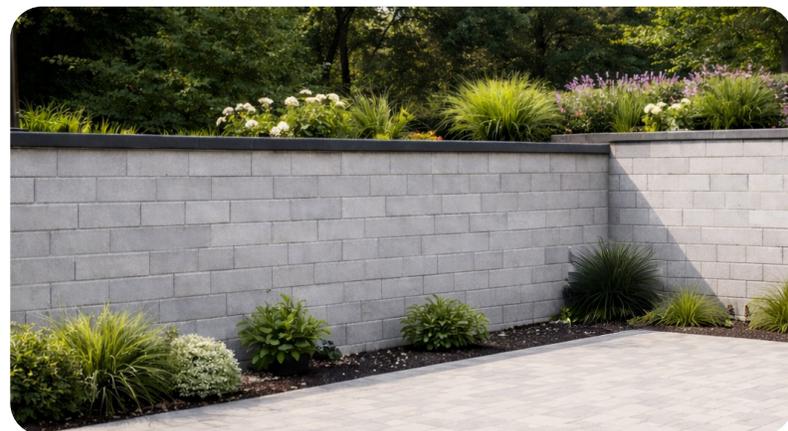
18"/12" x 6" x 11"



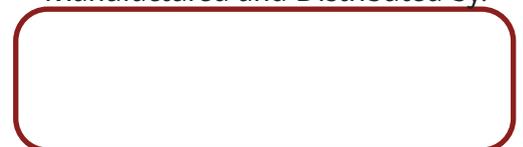
1. Precise Alignment
2. Design Flexibility
3. Lightweight Unit Design

StoneWall® Ion is a design-driven, lightweight wall system built for contemporary residential retaining and above-grade hardscape applications. Its smooth architectural face and reversible geometry allow a single unit to create both clean linear layouts and dynamic ashlar patterns — giving designers flexibility without complexity.

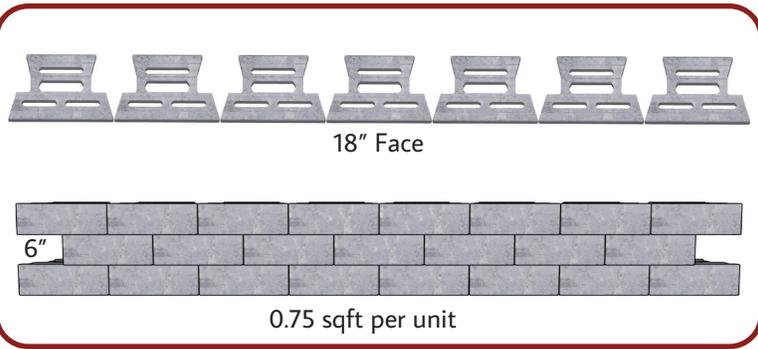
Using the 3-Way Alignment Plug (3WAP), Ion installs vertically or with setback while maintaining precise alignment and structural confidence. The simplified unit format reduces layout guesswork and delivers refined architectural results with fewer pieces.



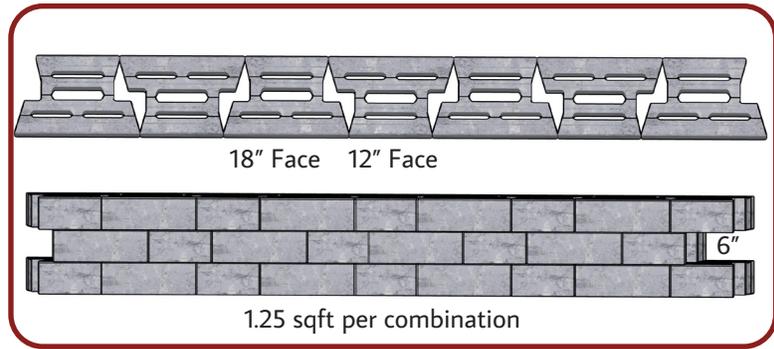
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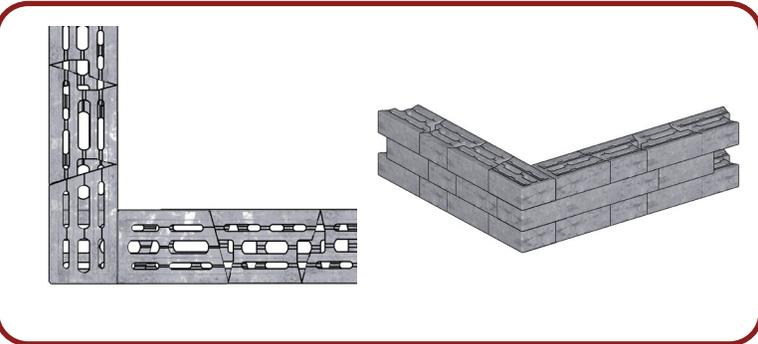
Wall Configurations



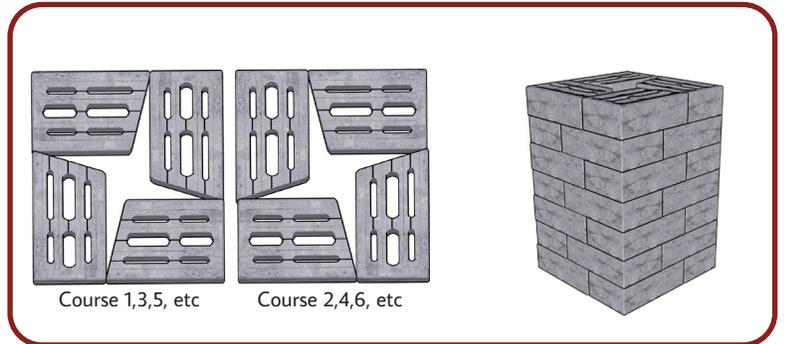
Linear (Below Grade)



Ashlar (Below or Above Grade)



Typical Corner



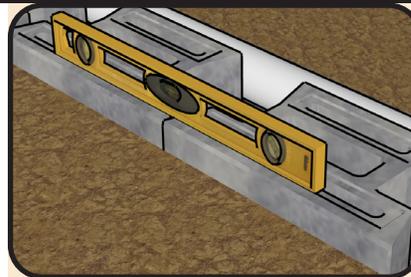
Typical Column (29" x 29")

Installation Steps



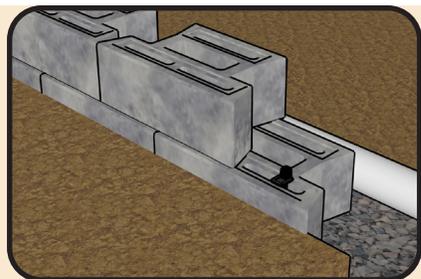
Leveling Pad

Prepare a foundation by excavating, and filling with a minimum of 6" of crushed stone, ensure it is level and compacted.



Laying The First Course

Begin the first course by starting at the lowest elevation, preferably in a corner. After placing a string line, position each Face block along the line, level side to side and front to back, using a rubber mallet to seat the block.



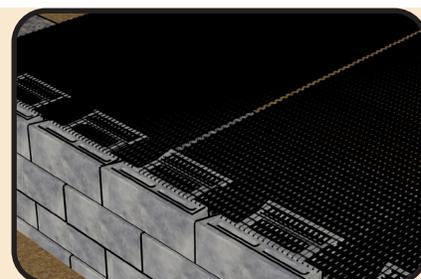
Stacking The Wall

Once your base course has been laid out and leveled, insert the 3WAPs into the alignment cores, and place units in the desired pattern, positioning the alignment cores over the plugs, to assure proper batter and alignment.



Backfill/Compaction

After reaching a maximum of four courses, backfill the units with the specified aggregate, filling the core of the face units and an additional 12" behind. Compact the soil with a vibratory compactor to the proper density. Sweep debris from the top of the blocks before starting the next block course.



Placing Geogrid

Following the engineer's design, place the Geogrid at the proper course and to the specified length. Make sure that the Geogrid is in full contact with the soil.



Capping The Wall

Once the body of the wall is complete, permanently affix a Cap Block to the Face Block using an approved concrete adhesive parallel to the wall face on both sides of the plug holes. Place the Cap Block onto the adhesive, making sure of its proper position.