



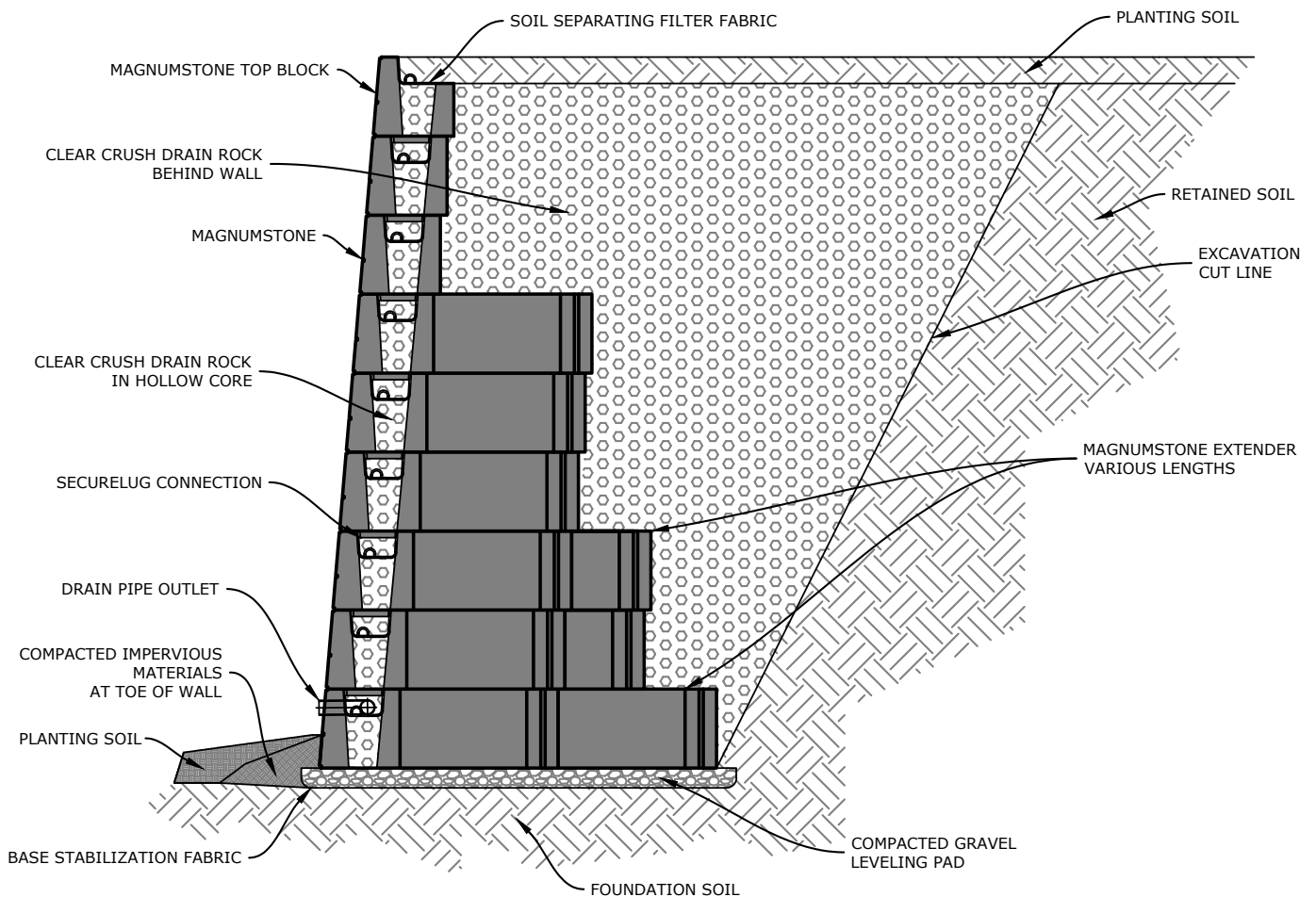
Let MagnumStone<sup>®</sup>  
drive your design

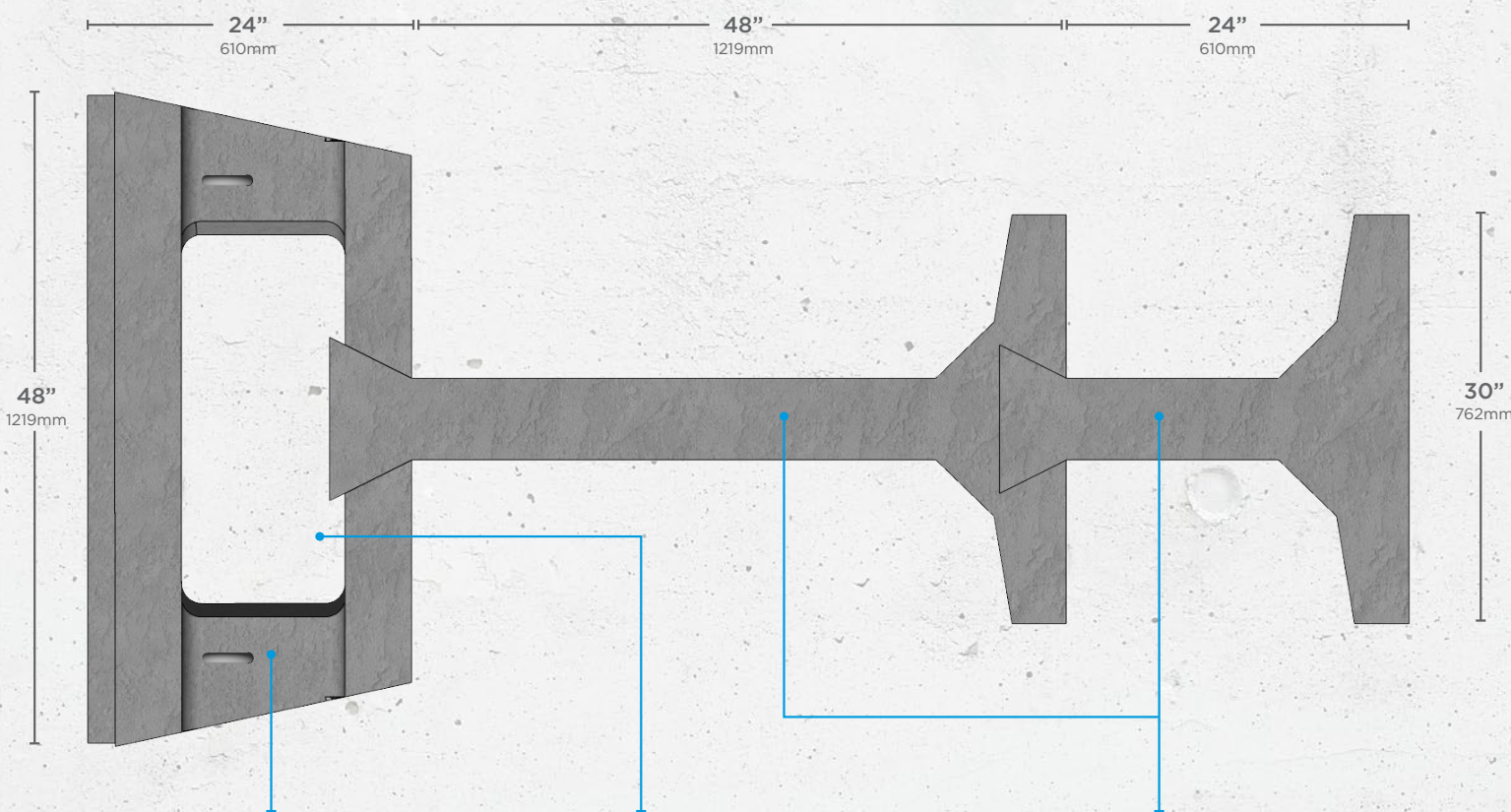
**MagnumStone<sup>®</sup>**



# Your Gravity Wall just got taller

MagnumStone® Gravity Retaining Wall Extenders replace Geogrid reinforcements by using a tongue-and-groove concrete system to meet or exceed the demands of engineers. This system reduces the massive footprint of traditional cantilevered gravity retaining walls and gives developers and owners greater use of land above the wall.





### MagnumStone® Unit

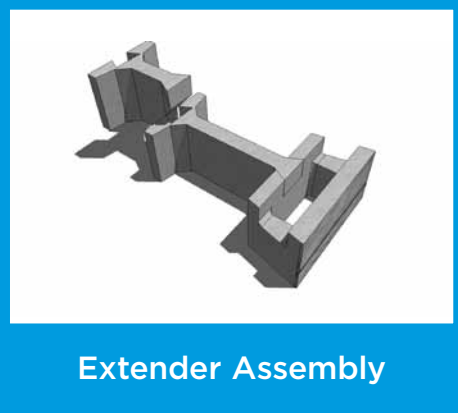
Units are made from high strength, wet cast concrete to provide durability and resistance to weathering.

### Hollow Core

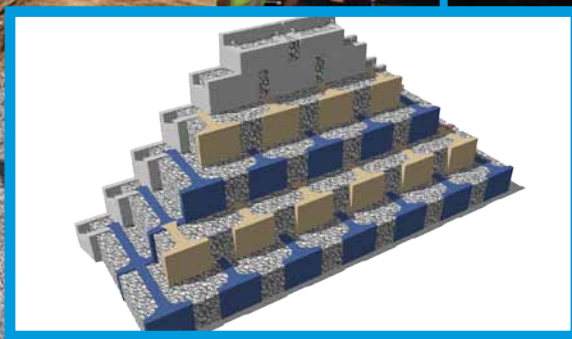
Makes it easy to saw cut, add special lighting, or place fence posts into when adding creative details.

### 4FT & 2FT Extenders

MagnumStone® Extenders can be used in any combination of standard lengths.



Extender Assembly

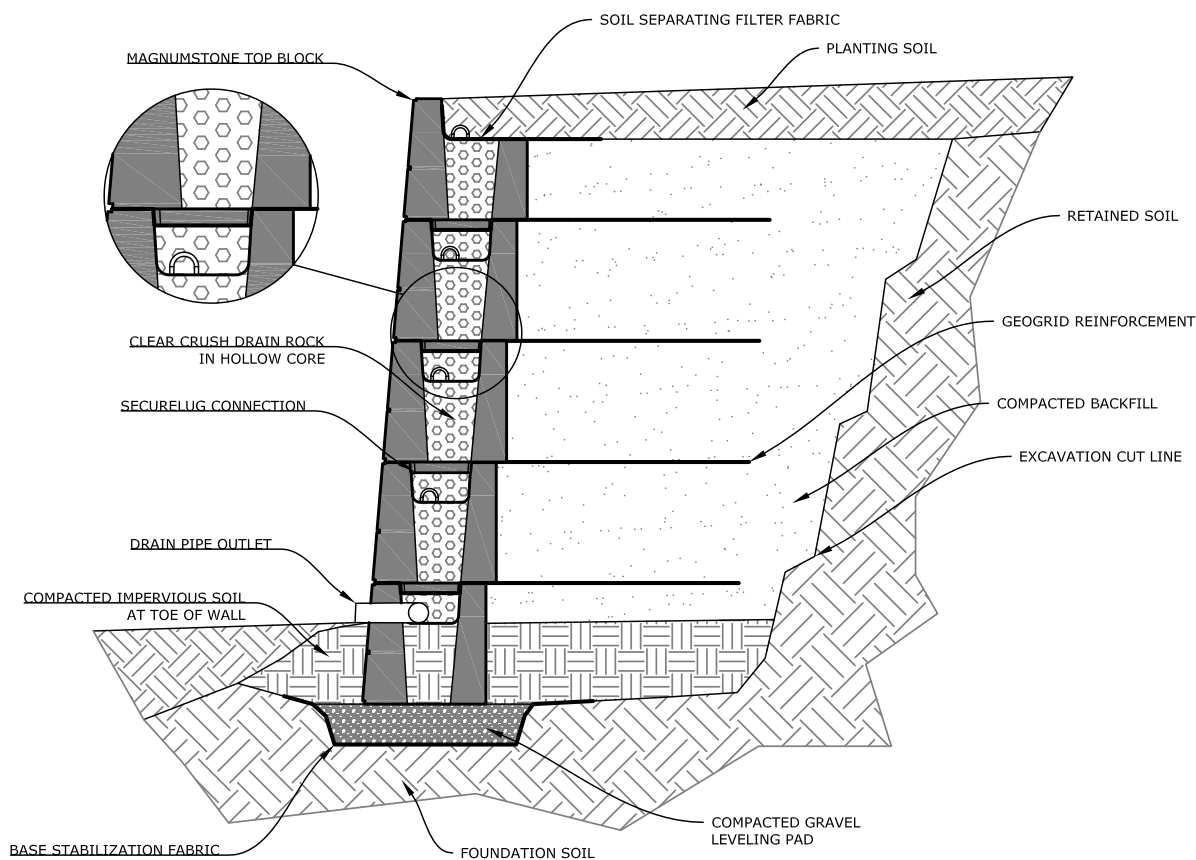
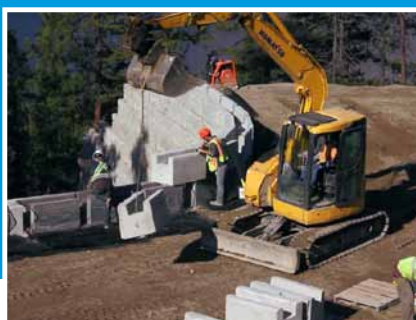


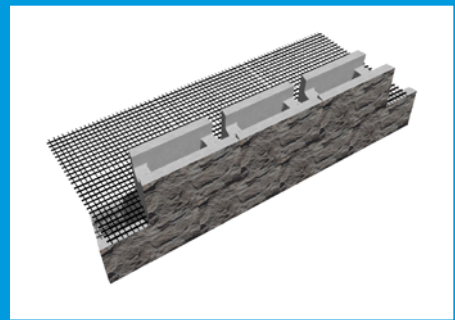
Gravity Wall with Extenders

# Geogrid Walls

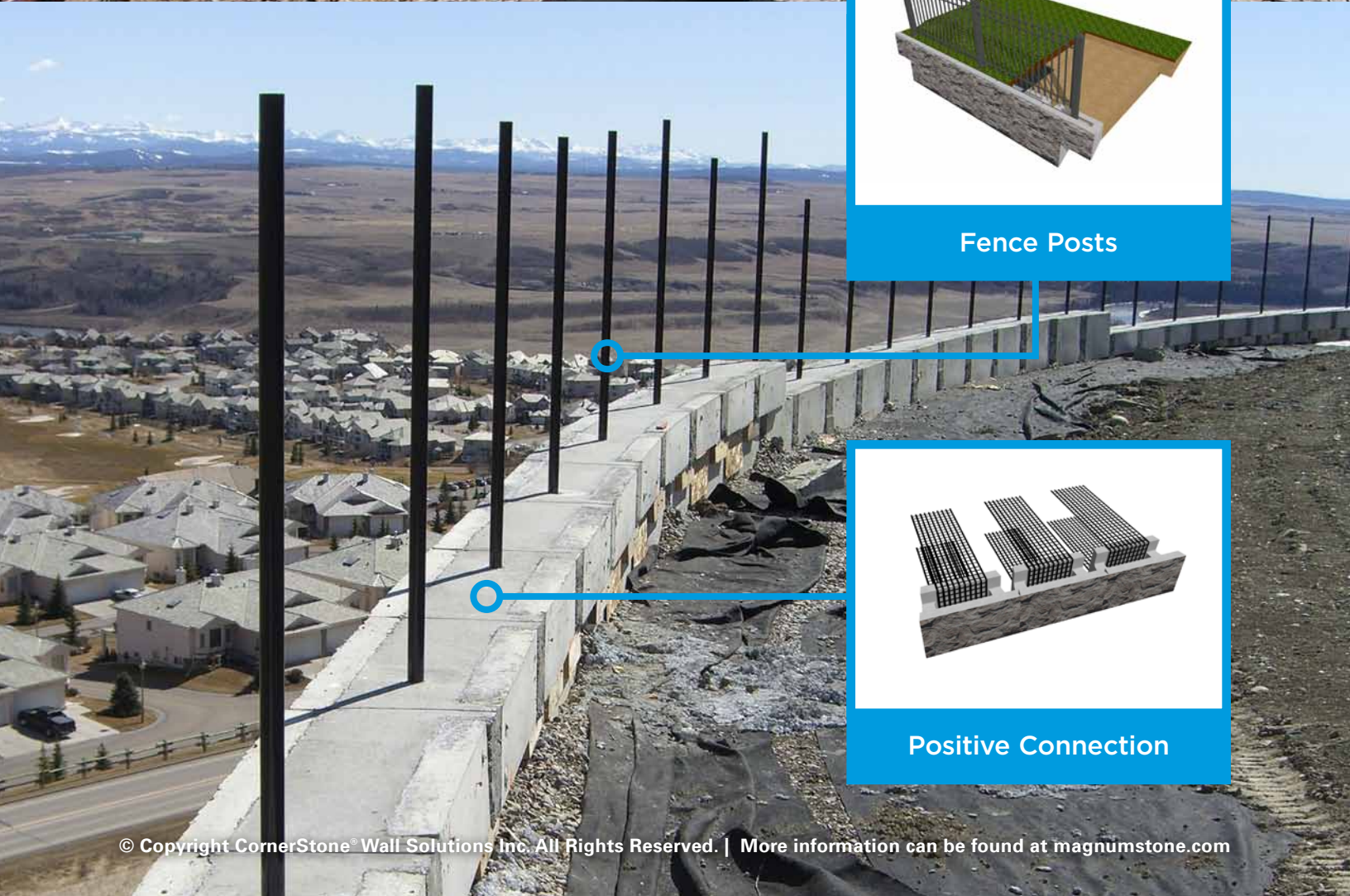
Geogrids are used to reinforce the soil mass behind the MagnumStone® units to create tall retaining wall systems. Geogrids help resist pressures from loads such as parking lots, roadways, water applications or positive slopes.

Geogrid with the appropriate lengths, layers, and compacted backfill materials will resist forces above and behind the wall. The use of Geogrid reinforcements with the MagnumStone® system is very cost effective for very tall wall structures. For walls higher than 4.0 ft, consult a qualified engineer.

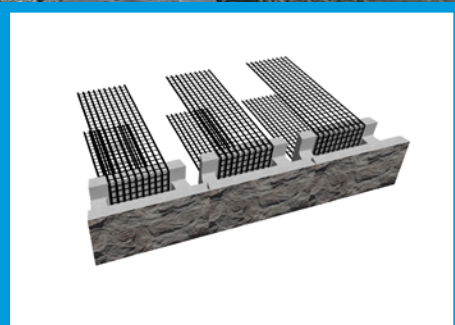




Geogrid Connection



Fence Posts



Positive Connection

# Common Applications



## GRAVITY WALLS

MagnumStone® Gravity Retaining Wall Extenders replace Geogrid reinforcements by using a tongue-and-groove concrete system that meets or exceeds the demands of engineers. This system reduces the massive footprints demanded by cantilevered traditional gravity retaining walls and gives developers and owners greater use of land above the wall.



## GEOGRID WALLS

Geogrids are used to reinforce the soil mass behind the MagnumStone® units to create tall retaining wall systems. Wall structures that may require geogrid reinforcement to resist the increased pressures behind the wall include parking lots, roadways, water applications or positive slopes above.



## TERRACES WITH PLANTERS

The MagnumStone® retaining wall provides a large vertical and horizontal hollow core. The light weight and large size units allow wall designers the flexibility of creating many solutions without environmentally costly side-effects. The hollow core provides a plantable retaining wall pocket within the retaining wall system.



## WATER APPLICATIONS

The hollow core allows for vertical internal drainage, minimizing the effects of hydrostatic pressures behind the wall. Wet-cast MagnumStone® units provides a durable, 4000 psi (27.5 MPa) concrete that is resistant to freeze-thaw degradation in areas of repeated freezing and thawing in saturated conditions.

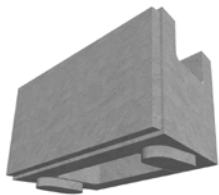
**More:** Steel/Concrete Wall, Soil Anchoring, Steel Grid, Wall Step-Up, Free Standing

# Design Software

The MagnumStone® Wall Designer program is designed with the Engineer in mind. It includes multiple methodologies, MagnumStone® gravity systems, geogrid friction, and positive reinforcement options for the designer to choose from. Select and edit soil information, input loads and slopes above and below the retaining wall.

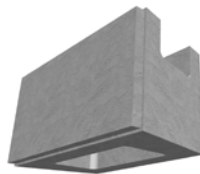


# Unit Specifications



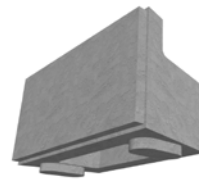
## STANDARD

1370 lbs (621 kgs)



## STANDARD BASE

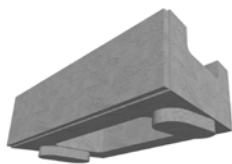
1345 lbs (621 kgs)



## STANDARD TOP

1220 lbs (553 kgs)

Height	24"	610mm
Depth	24"	610mm
Face Width	48"	1219mm
Back Width	39"	991mm
Face Area	8 sq ft	0.745 m2
Setback	4.5° / 2.4° / 0°	



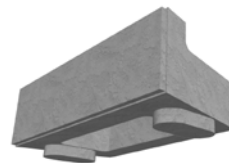
## HALF HIGH

750 lbs (340 kgs)



## HALF HIGH BASE

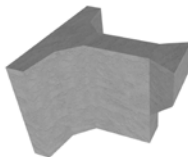
725 lbs (328 kgs)



## HALF HIGH TOP

680 lbs (308 kgs)

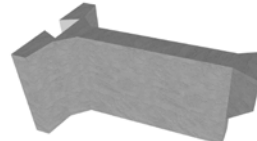
Height	12"	305mm
Depth	24"	610mm
Face Width	48"	1219mm
Back Width	39"	991mm
Face Area	4 sq ft	0.37 m2
Setback	4.5° / 2.4° / 0°	



## 2FT EXTENDER

520 lbs (236 kgs)

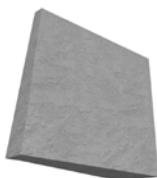
Height	24"	610mm
Depth	24"	610mm
Back Width	30"	762mm



## 4FT EXTENDER

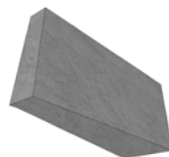
820 lbs (372 kgs)

Height	24"	610mm
Depth	48"	1219mm
Back Width	30"	762mm



## CORNER/END

340 lbs (154 kgs)



## HALF HIGH CORNER/END

170 lbs (77 kgs)

Height	24"	610mm
Depth	8"	203mm
Top Width	2"	51mm
Bottom Width	4"	102mm

Height	12"	305mm
Depth	9"	229mm
Top Width	3"	76mm
Bottom Width	4"	102mm

## Full Specifications

A full list of specifications can be found on:

[magnumstone.com](http://magnumstone.com)



Dimensions and weights may vary. Please check with local producer.

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**MagnumStone<sup>®</sup>**



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