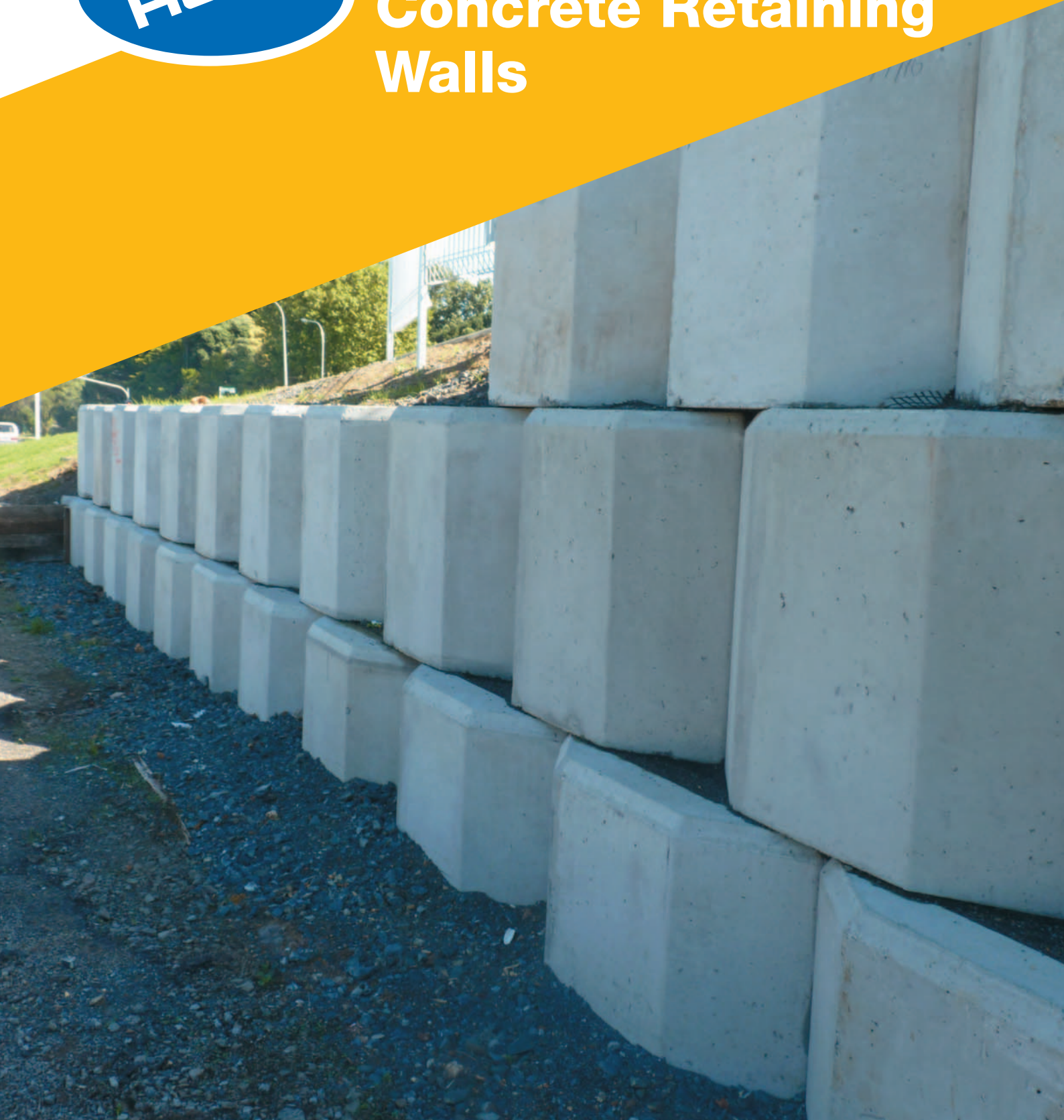




# Concrete Retaining Walls



Flexible, cost effective,  
engineered retaining  
wall solution

**Anchorbloc™**

# Anchorbloc™

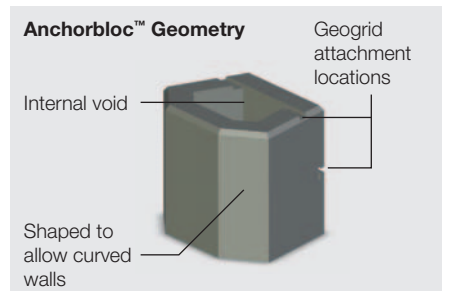
Anchorbloc™ is an innovative, simple and economic solution for one of the most basic civil engineering and contracting tasks: retaining and protecting embankments. It is a modular concrete block designed to form an integrated segmental retaining wall. Anchorbloc™ has a significantly lower installation cost when compared to other retaining wall systems such as timber or gabion basket structures.

The new Anchorbloc™ enables straight or curved layouts. They can be used from a single level structure up to a multi level engineered wall. Anchorbloc™s are fast to install, with no on-site concrete required. The 1.5 tonne blocks can be lifted by small to medium sized earth moving equipment, so a two person team can easily construct 85m2 of wall per day.

The Anchorbloc™ has a unique patented design. Further stabilisation can be achieved by infilling the internal voids or by using geogrid locked to the blocks through the geogrid attachment locations. The internal void can be used to plant vegetation, install safety barriers, security fences and signs; for traffic and walkway requirements. Design software and support is available to assist engineers and contractors with Anchorbloc™ design options.

Anchorbloc™ can be used for river bank stabilisation, bridge abutments and wing walls for culverts and underpasses. There is also the ability to dismantle and re-erect an Anchorbloc™ structure in temporary situations or where the project may be reconfigured.

To complete an engineered wall Anchorbloc locking bars and geotextile fabrics are required. Humes recommends ACEGrid supplied by Cirtex Industries. This system has been tested by Holmes Solutions and certified for adequate performance on site. See "Reinforcement" on page 9 of the Anchorbloc Retaining Wall Systems Manual for further technical details.



## Anchorbloc™ range

	1.0M	1/2 high 0.5M	1/2 wide LH	1/2 wide RH	Locking Bar
Item Code	05561	05562	05563	05564	78877
Height (mm)	1000	500	1000	1000	17.7
Width (mm)	1200	1200	600	600	65
Depth (mm)	900	900	900	900	840
Weight (void unfilled) (kg)	1500	750	750	750	
Weight (void filled) (kg)	2020	1010	1010	1010	
Block Volume (m³)	0.61	0.305	0.305	0.305	
Void Volume (m³)	0.30	0.15	0.15	0.15	
Lifting Points	2	2	1	1	

**Notes:**

- Block set back is 150mm
- Lighting points fitted, 2 x 2.5 tonne rated

- Geogrid attachments at 500mm centres up the height of the block
- Use one locking bar per Anchorbloc

- 1/2 high and 1/2 width blocks available on request

## Applications

- Cut and fill highway projects
- Slope stabilisation
- Road widening
- Erosion protection for river and streams

- River bank stabilisation
- Roadside embankments
- Bridge abutments
- Submerged foundations
- Wing walls for culverts & underpasses

## Standards

- Manufactured to NZS 3109: 1997
- Designed and engineered by Holmes Solutions Ltd

For further technical details or advice freephone 0800 502 112 or visit [www.humes.co.nz](http://www.humes.co.nz)

Buyers and users of the products described in this brochure must make their own assessment of the suitability and appropriateness of the products for their particular use and the conditions in which they will be used. All queries regarding product suitability, purpose or installation should be directed to the nearest Humes Sales Centre for service and assistance. Fletcher Concrete and Infrastructure Limited 2011. Printed 06/11.

