



# Axis

Dry-build retaining walls with a stone cut finish and an optimised vertical face



450 x  
200mm



438 x  
100mm

Axis  
colours + finishes

## Colours

For 'Stock Information' on colours availability - see page 3.



Frost  
Resistant



No  
Reinforcement



BASALT



CASHEL



CANELLETO

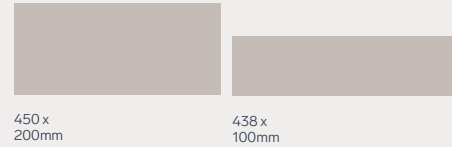
SPECIFICATION REFERENCE: NBS PLUS:

45-25-66/320 Precast concrete interlocking blocks D41 Crib walls, gabions and other gravity retaining walls - 310 DRYSTACK INTERLOCKING MASONRY



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## Standards + Performance

Our segmental retaining wall products are regularly tested to record important physical characteristics and to comply with product specific performance criteria. The durability and performance of Axis blocks is assured by meeting or exceeding targets for compression strength and water absorption.

|                        |                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Product Type</b>    | Dry-build retaining walls with a stone cut finish.                                                                  |
| <b>Manufactured to</b> | hEN 771-3:2011+A1:2015 - Specification for masonry units.                                                           |
| <b>Efflorescence</b>   | State-of-the-art factory controlled vapour curing significantly reduces this naturally occurring chemical reaction. |

If you need further assistance please consult our Technical Department.

## Sustainability

|                              |                                                                       |
|------------------------------|-----------------------------------------------------------------------|
| <b>Energy Use</b>            | 100% renewable                                                        |
| <b>Water Used</b>            | 100% rain water harvesting                                            |
| <b>Recyclable</b>            | 100% of this product can be recycled                                  |
| <b>Manufacturing</b>         | Produced in the UK from locally sourced materials                     |
| <b>Waste Wood + Plastic:</b> | 100% recycled                                                         |
| <b>BREEAM</b>                | 'A' Rating – in accordance with the BRE Green Guide to Specification. |

## Gravity / Engineered

Gravity (max 1m)  
Engineered (1m up to 2.5m)

## AG Recommendations

### Colour blending

Products should be mixed on site from a minimum of 3 packs to help reduce the effect of banding.

### Installation

Axis is palletised upside down – turn block before installation.

## Features + Benefits

- Innovative lightweight retaining wall solution, engineered for strength, sustainability, and simplicity.
- Engineered for walls up to 2.5 meters high, this lightweight solution offers robust performance with a patented, compliant design and are suitable for retaining gardens and private driveways.
- Features large thru-cores that align vertically from course to course, enabling easy filling and smooth integration with light fencing – it is possible to place a fence post through 5 course, as the voids line up.
- Features locally sourced materials and recycled content, lowering embodied carbon while meeting stringent industry standards.
- Lightweight design simplifies handling, while the mortarless, system speeds up installation. Less effort, quicker results—helping you stay ahead of schedule.
- **Maximise every inch of space with the optimised vertical face, no batter design, ideal for compact installations in incredibly tight spaces.** Use in developments or where space is at a premium.
- Its built-in **anti-climb** features enhance safety, helping to minimise the risk of accidents – designed with playgrounds / schools / public areas in mind, where children will have access.
- Mortarless and pinless – built with no mortar or concrete, the unique dry build system allows fast track construction in all weathers. This means quicker installation rates than traditional brick and blockwork.
- The Capping blocks are shaped asymmetrically (tapered), making capping straight or curved walls much easier.
- AG recommend affixing Cap Blocks and Corner Blocks using a suitable concrete adhesive.

## Advice + Guidance

For advice and guidance on ordering, installation, good site practice, etc. visit our website:  
[www.ag.uk.com/advice+guidance](http://www.ag.uk.com/advice+guidance)

For maintenance guidance and health and safety advice visit our website:  
[www.ag.uk.com/maintenance](http://www.ag.uk.com/maintenance)



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stock information



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## Stock information

| Product type        | Length (mm) | Depth (mm) | Height (mm) | Available Finishes | In Stock | Available Colours            | m <sup>2</sup> / Lm per pack  | Units per pack | Unit weight (kg) | Weight per pack (t) | Packs per 8 wheeler (Ireland) | Packs per unit lorry (GB/Ireland) |
|---------------------|-------------|------------|-------------|--------------------|----------|------------------------------|-------------------------------|----------------|------------------|---------------------|-------------------------------|-----------------------------------|
| AXIS STANDARD BLOCK | 450*        | 290        | 200         | Stone Cut          | MTO      | Basalt / Cashel / Canelletto | 4.86m <sup>2</sup> / 24.32 Lm | 54             | 24.5             | 1.323               | 10                            | IRE 16 / GB 20                    |
| AXIS CORNER BLOCK   | 450         | 225        | 200         | Stone Cut          | Yes      | Basalt / Cashel / Canelletto | N / A                         | 40             | 30.9             | 1.340               |                               |                                   |
| SHORTCUT™ CAP BLOCK | 200**       | 330        | 75          | Straight Cut       | Yes      | Basalt / Cashel / Canelletto | N / A                         | 120            | 10.3             | 1.236               | 10                            | IRE 16 / GB 21                    |
| CAP BLOCK           | 438***      | 265        | 100         | Straight Cut       | Yes      | Basalt / Cashel / Canelletto | N / A                         | 48             | 20               | 0.940               | 14                            | IRE 20 / GB 22                    |

\* The Axis Block 'short side' is 285.75mm in length.

\*\* The ShortCut™ Cap Block 'short side' 175mm in length.

\*\*\* The Cap Block 'short side' is 303mm in length.

N / A – Not applicable.

MTO – Made to order (minimum quantity required).



Frost  
Resistant



No  
Reinforcement

## Installation Data

| Blocks              | Set back / Face angle (degrees) | Minimum inside radius (to back of block on bottom course) | Minimum outside radius (to front of block on bottom course) | Tolerances on all dimensions (mm) | Compressive strength**** | Face finish    | Face geometry | no. per m <sup>2</sup> / Lm            |
|---------------------|---------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-----------------------------------|--------------------------|----------------|---------------|----------------------------------------|
| AXIS STANDARD BLOCK | < 1°                            | 1800mm                                                    | 1200mm                                                      | ±2mm                              | 24 N/mm <sup>2</sup>     | Stone cut      | stretcher     | 2.22 per Lm / 11.11 per m <sup>2</sup> |
| AXIS CORNER BLOCK   | N / A                           | N / A                                                     | N / A                                                       | ±2mm                              | 24 N/mm <sup>2</sup>     | Stone cut      | stretcher     | N / A                                  |
| SHORTCUT™ CAP BLOCK | N / A                           | N / A                                                     | N / A                                                       | ±2mm                              | N / A                    | Straight split | stretcher     | 5.4 per Lm                             |
| CAP BLOCK           | N / A                           | N / A                                                     | N / A                                                       | ±2mm                              | N / A                    | Straight split | stretcher     | 2.7 per Lm                             |

N / A – Not applicable.

\*\*\*\* Compressive strength determined by testing a core sample cut from a block.

Note: Axis is palletised upside down – turn block before installation.

## Manufacturing

AG segmental retaining wall blocks are manufactured from locally sourced, high grade aggregates. Using the latest computerized mixing systems ensures colour and strength consistency. The stone cut finish of the Axis range is due to the most modern computer-controlled manufacturing process. PLANT OF MANUFACTURE: Made at our Fivemiletown production plant.

## Certification

ISO 9001  
ISO 14001  
ISO 45001  
CE Marking

Quality Management.  
Environmental Management.  
Occupational Health and Safety Management.  
Download our Declaration of Performance (DOP) data at: [www.ag.uk.com/resources](http://www.ag.uk.com/resources)



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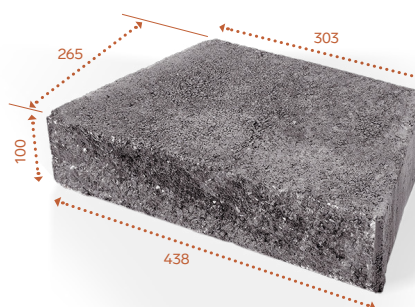
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## PROFILES

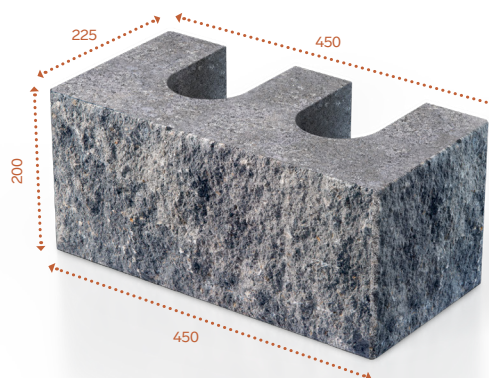
The stone cut face finish gives the wall a weathered appearance.



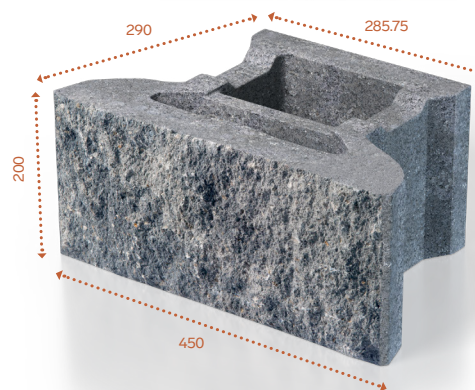
SHORT CUT CAP



CAP BLOCK (SPLIT FINISH)



AXIS CORNER BLOCK



AXIS STANDARD BLOCK



Frost  
Resistant



No  
Reinforcement

