Axis

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

450 x 200mm | 438 x 100mm | 200 x 75mm

Colours

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

Frost Resistant

<0.8m

No Reinforcement

BASALT

CASHEL

CANELLETTO

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.

Product Type	Dry-build retaining walls with a stone cut finish.
Manufactured to	hEN 771-3:2011+A1:2015 - Specification for masonry units.
Efflorescence	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

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

Gravity / Engineered

Gravity (max 0.8m)
Engineered (0.8m up to 2.5m)

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.

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.

Advice + Guidance

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

For maintenance guidance and health and safety advice visit our website:
www.ag.uk.com/maintenance

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Stock information

Product type	Length (mm)	Depth (mm)	Height (mm)	Available Finishes	In Stock	Available Colours	m² / Lm per pack	Units per pack	Weight per pack (t)
AXIS STANDARD BLOCK	450*	290	200	Stone Cut	MTO	Basalt / Cashel / Canelletto	4.86m² 24.32 Lm	54	1.323
AXIS CORNER BLOCK	450	225	200	Stone Cut	Yes	Basalt / Cashel / Canelletto	N / A	40	1.340
SHORTCUT™ CAP BLOCK	200**	330	75	Straight Cut	Yes	Basalt / Cashel / Canelletto	N / A	120	1.236
CAP BLOCK	438***	265	100	Straight Cut	Yes	Basalt / Cashel / Canelletto	N / A	48	0.940

* 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).

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 m² / Lm
AXIS STANDARD BLOCK	< 1°	1800mm	1200mm	±2mm	24 N/mm²	Stone cut	stretcher	2.22 per Lm / 11.11 per m²
AXIS CORNER BLOCK	N / A	N / A	N / A	±2mm	24 N/mm²	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 Quality Management.
ISO 14001 Environmental Management.
ISO 45001 Occupational Health and Safety Management.
CE Marking Download our Declaration of Performance (DOP) data at: www.ag.uk.com/resources

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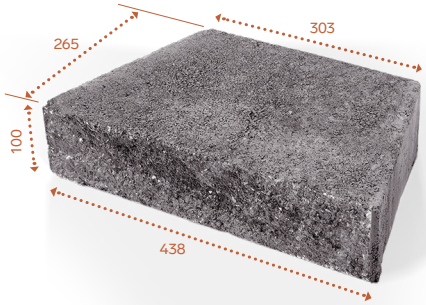
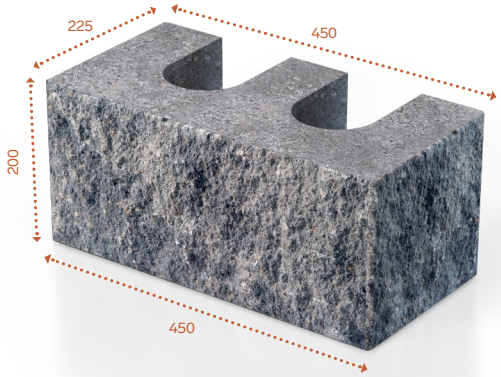
PROFILES

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

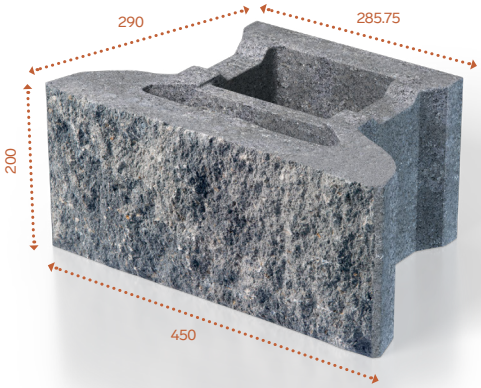
SHORT CUT CAP



CAP BLOCK (SPLIT FINISH)



AXIS CORNER BLOCK



AXIS STANDARD BLOCK