

APEX



Brickcutters Ltd



www.apexbrickcutters.co.uk

MANUFACTURERS OF INNOVATIVE BUILDING PRODUCTS



BRICK ARCHES



SPECIAL SHAPED BRICKS



PREFABRICATED REAL
BRICK SLIP CHIMNEYS



ARCHITECTURAL
CAST STONE

APEX Brickcutters Ltd

Manufacturers of Innovative Building Products

Apex Brickcutters Ltd

Apex Brickcutters has been in operation as a brick merchants and brickcutters providing cast stone, brick arches and other types of special shaped bricks for over 30 years.

We have worked on many prestigious projects including Sandhurst Military Academy, London Olympics Athletes' Village, Cambridge Colleges, Portsmouth Naval Base and Eton School as well as all the major housebuilders and numerous self builders.

We pride ourselves on a good quality product, offering innovative solutions all at a cost-effective approach.

Special Shaped Bricks

Special shaped bricks are manufactured from standard bricks, using a cut and bonded method. This process is carried out using diamond tipped blades and clean, fresh water. The bonding process takes place using a two part epoxy resign, specifically developed for this task. Special shaped bricks can be delivered back to site in days rather than weeks.

Ordering non-standard angles?
Email us a drawing and we will email back an isometric diagram for your approval.

The Service we Offer

Amongst our many capabilities we provide a complete design and take off service from your working drawings. We will itemise the requirements by plot and by floor if required. We can also provide CAD drawings to support our designs where necessary and will visit site should it be required.

All our specials and arches are supplied clearly labelled, packed and shrink wrapped to ensure that they arrive on site in perfect condition.

When standard specials are unable to fit the task in hand Apex has a long track record and experience in producing bespoke specials that can overcome tricky and complex detail work. We will work with you to help solve any requirements that you may have.

One of the most important things with supplying brick specials and arches is time to delivery. Our aim is to provide a first class service turning round special products in a timely manner avoiding unnecessary site delays. This is not normally the case with manufactured brick specials which can take anywhere up to 10 weeks to manufacture.

The following pages detail all brick specials that conform to British Standard, but are not exhaustive to what is available.

Contents

INTRODUCTION	01	■
BRICK ARCHES		
STRUCTURAL AND PRE-FORMED ARCHES	02	■
FLAT GAUGED ARCHES	04	■
SEGMENTAL ARCHES	05	■
SEMI CIRCULAR AND BULLSEYE ARCHES	06	■
SPECIAL SHAPED BRICKS		
ANGLE AND CANT BRICKS (AN)	07, 10	■
PLINTH BRICKS (PL)	08	■
BONDING BRICKS (BD)	12	■
BRICK SLIPS (SL)	13	■
SOLDIER BRICKS (SD)	13	■
CAPPING BRICKS (CP)	14	■
BULLNOSE BRICKS (BN)	14	■
PISTOL BRICKS (NON STANDARD)	14	■
APPENDICES		
A: ORDERING NON-STANDARD ANGLES	15	■
B: APPLICATION OF BRITISH STANDARD PLINTHS	15	■
C: APPLICATION OF SQUINTS AND ANGLE BRICKS TO EXTERNAL AND INTERNAL ANGLES IN BRICKWORK	16	■
WHERE TO FIND US	17	■

SECTION 1: BRICK ARCHES

STRUCTURAL ARCHES

STRUCTURAL ARCHES | PRE-FORMED | LOOSE CUT SETS |
NON-STANDARD ARCHES |

Structural Arches

Apex Brickcutters have 3 methods of manufacturing pre-formed structural brick arches as follows:

1. Concrete Backed – These arches are cut into 25mm brick slips which are bonded with BBA Approved Epoxy Adhesive to a Load bearing concrete lintel. This is the least expensive method and saves considerable time when installing into a building.

Lead Time – 4-5 Weeks.

2. Pre-cast Concrete Backed – These arches are cut into 35mm slips with 10mm dovetails cut into the reverse of the slip to provide a key for when the arches are set into the concrete backing lintels. This method is predominantly used for when bricks are in an underslung position of a building. Used for: Walkthroughs, Drive- Thru, Tunnels and Brick Panels.

Lead time – Dependant on complexity of design.

3. Steel Backed - As type 1 but bonded to steel backing lintels. Using Steel lintels means the arch can come fixed to a cavity lintel straddling both skins of brickwork and blockwork. **Lead Time – 6/8 weeks.**

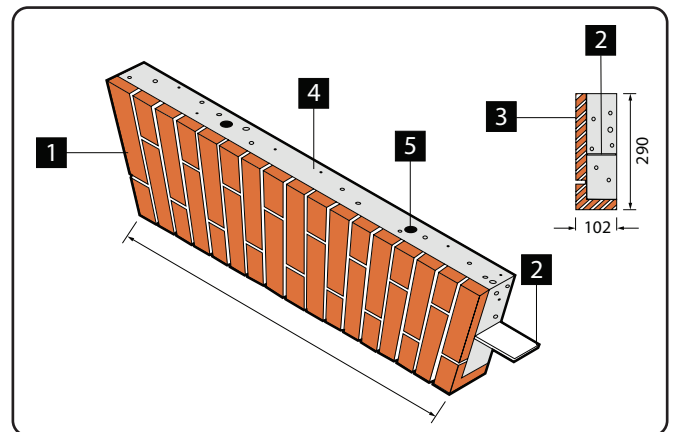
These methods also allow for the arch to be seen from beneath with brick soffits for when your openings are set back from the brickwork.

The concrete backing lintels have cast in lifting eyes for T12 lifting loops for mechanical hoisting into situ.

The arches have steel or concrete barers that sit on the abutment brickwork for added structural support.

- These methods need to be pre-pointed, by site, before installation, to ensure the concrete mix is consistent throughout the development. 5-10mm
- Alternatively give your arches a traditional look and ask us to pre-point them with lime effect 1-4mm Joints.

STRUCTURAL ARCHES



Illustrations Key

1. Tapered voussoirs
2. Stainless steel end bearing plates cast into concrete lintels
3. Facing brick slips, factory bonded to face and soffit of lintel
4. Reinforced concrete backing lintel
5. Sockets for lifting eyes
6. SIP board (BBA APPROVED), clad with factory bonded brick arch slips which are strengthened with a 6mm UPVC sealing strip to top and sides
7. Steel cavity tray
8. Integral UPVC external plastic forma strip
9. Solid brick arch using bricks from site

All our specials are made with BBA approved Epoxy Resin (Samples available on request)

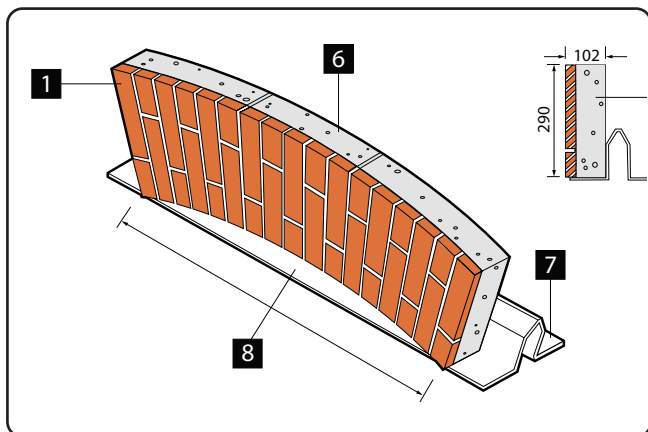
Pre-Formed Lightweight Brick Arches

Apex 'Eazy' Brick Arches are:
Lightweight but with a crushing strength of 13N.

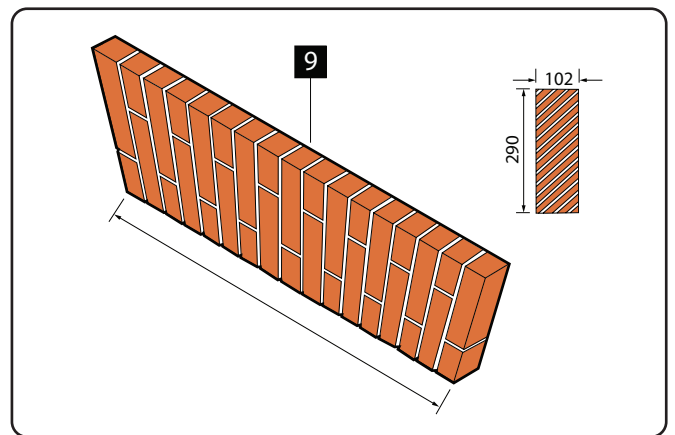
Available in any size and style and in 7-10 working days from order. These Brick Arches are made from 30mm Brick Slips bonded to 70mm BBA approved Structural Insulated Panel (SIP) Board.

This method of Brick Arch is to be used in conjunction with a steel supporting lintel and is commonly used by the major Housebuilders.

PRE-FORMED ARCHES



LOOSE CUT SETS



Loose Cut Arch Sets

These are produced by cutting standard bricks, using diamond tipped masonry saws with fresh water coolant, this ensures that the finished product has the sharp, accurate arrises that you would expect from traditional cut brick arches. Each arch is delivered to site on a board that is shrinkwrapped and clearly labelled.

Non-standard Arches

A lot of our work is involved in matching arches in old buildings where extensions are being built or restoration work is being undertaken. If you have a project of this nature one of our technical sales team will visit the site and ascertain all the information necessary to produce arches as close to the originals. Drawings can be produced if required. we have stock of imperial sized clay rubbing blocks.

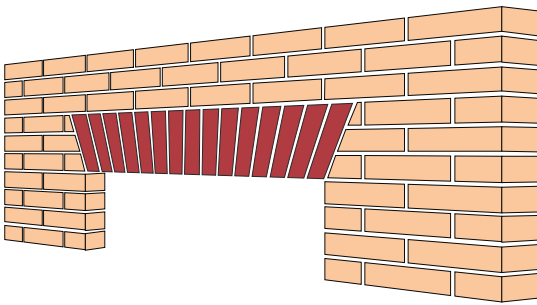


STANDARD ARCHES

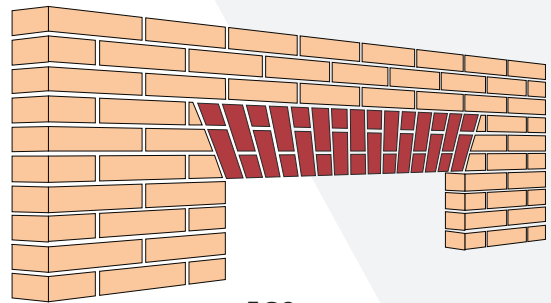
FLAT GAUGED



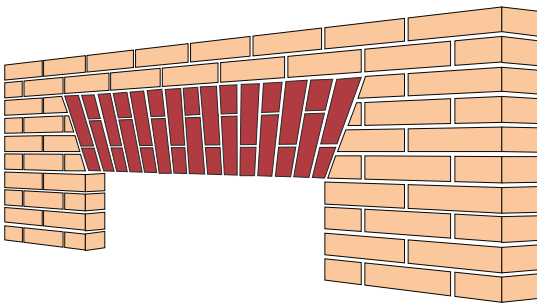
FLAT GAUGED ARCHES (FG)



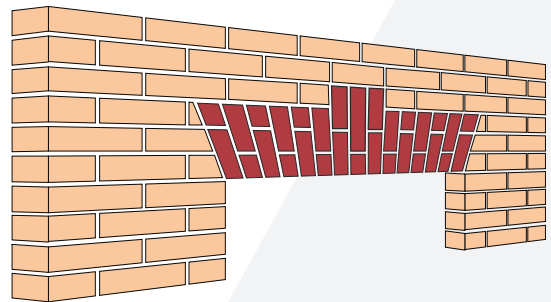
FG1



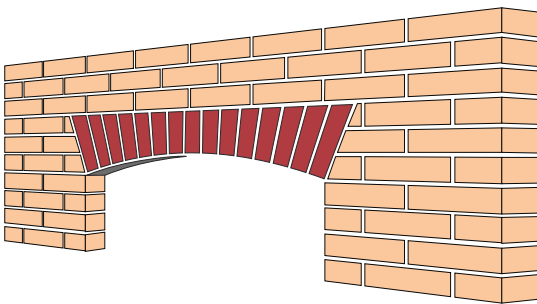
FG2



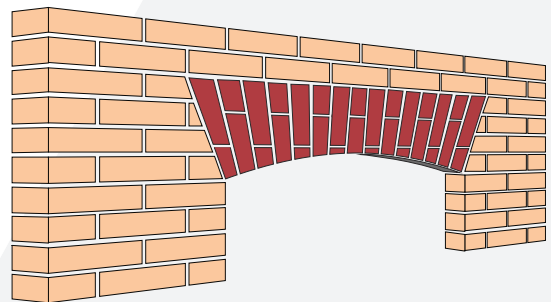
FG3



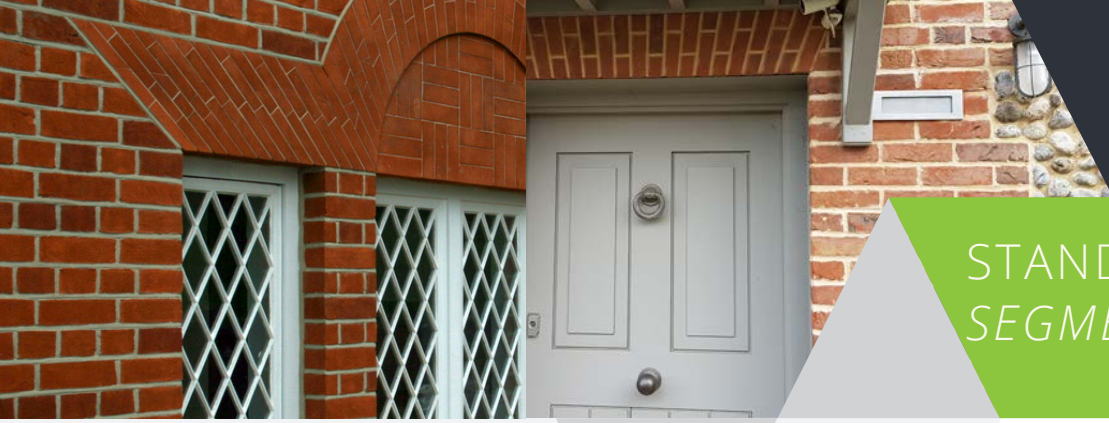
FG4



FG5

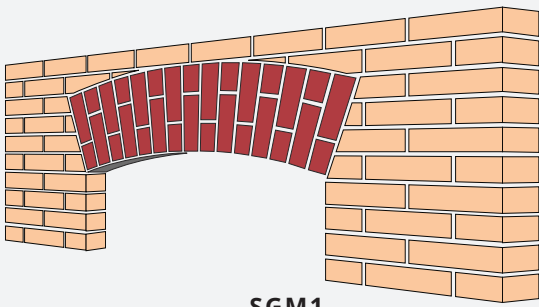


FG6

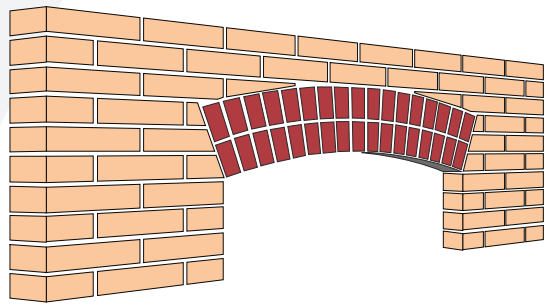


STANDARD ARCHES SEGMENTAL

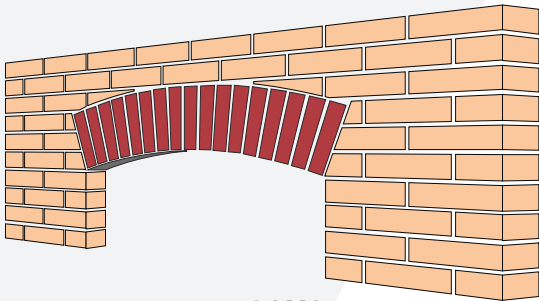
SEGMENTAL ARCHES (SGM)



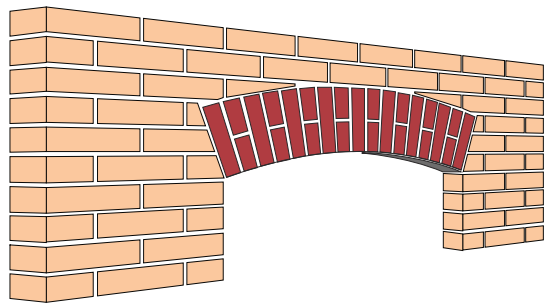
SGM1



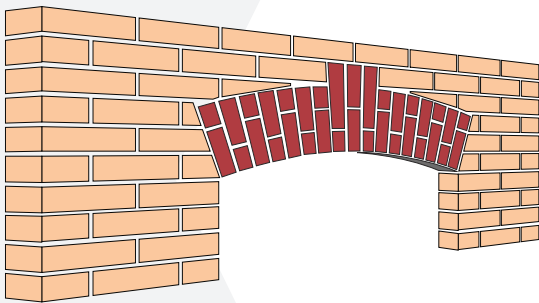
SGM2



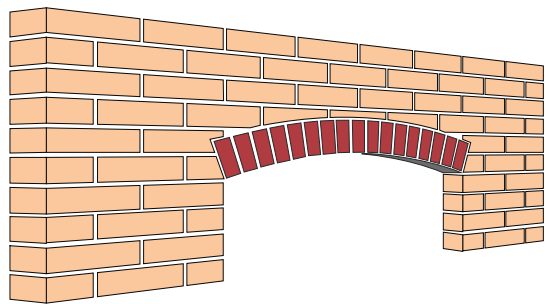
SGM3



SGM4



SGM5

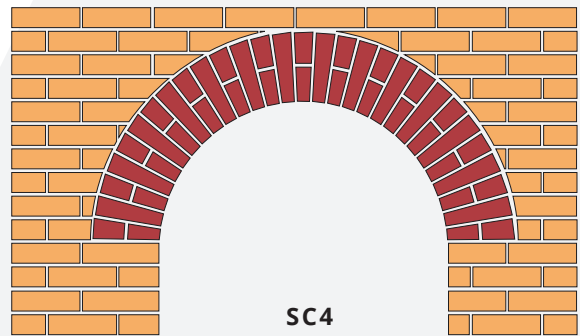
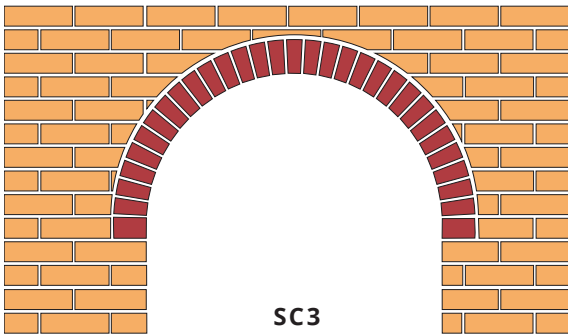
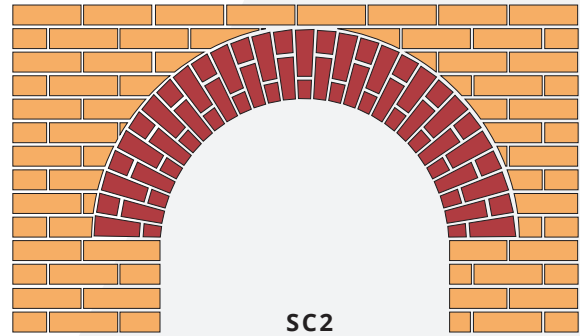
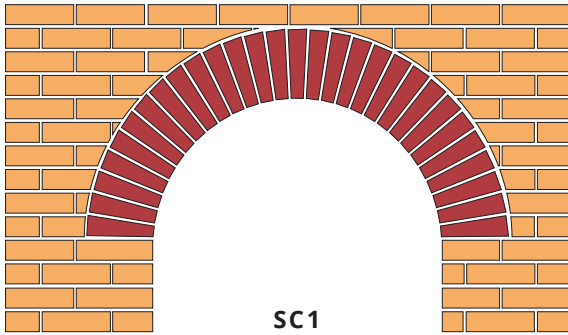


SGM6

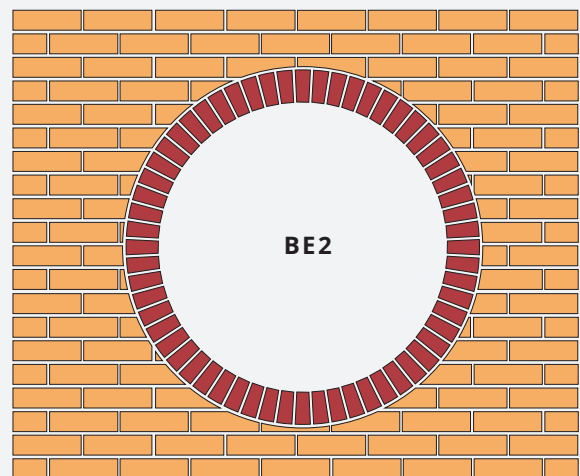
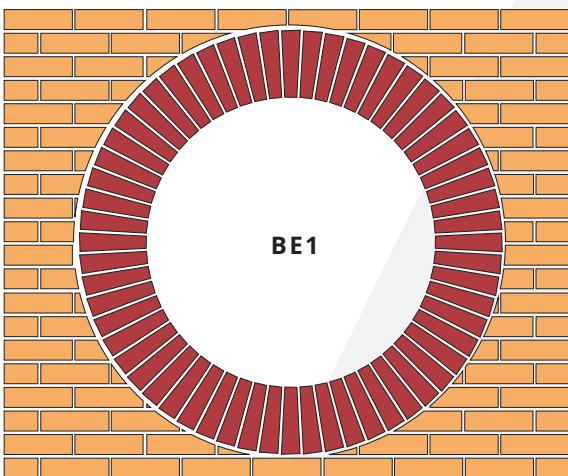
STANDARD ARCHES

SEMI-CIRCULAR & BULLSEYE

SEMI-CIRCULAR ARCHES (SC)



BULLSEYE ARCHES (BE)

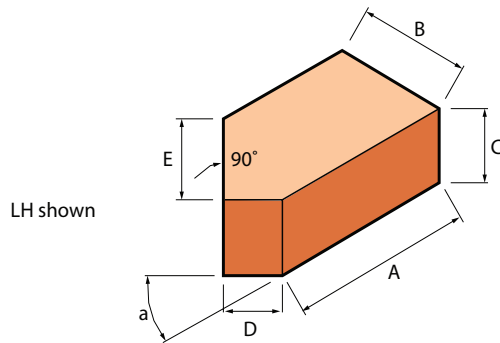


SECTION 2: SPECIAL SHAPED BRICKS

ANGLE AND CANT BRICKS (AN) | PLINTH BRICKS (PL) | BONDING BRICKS (BD) |
BRICK SLIPS (SL) | SOLDIER BRICKS (SD) | CAPPING BRICKS (CP) |
BULLNOSE BRICKS (BN) | PISTOL BRICKS (NON STANDARD) |

ANGLE AND CANT BRICKS (AN)

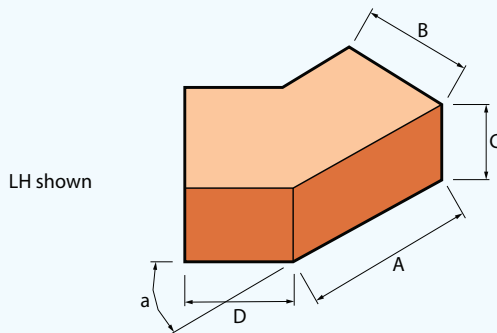
AN.1 SQUINT (LEFT OR RIGHT HAND)



Type No.	A	B	C	D	E	a
AN.1.1	164	102	65	51	89	30°
AN.1.2	164	102	65	51	94	45°
AN.1.3	164	102	65	51	117	60°

Suitable for half bond without cutting. See appendix C

AN.2 EXTERNAL ANGLE (LEFT OR RIGHT HAND)

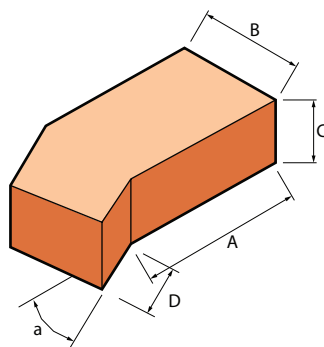


Type No.	A	B	C	D	a
AN.2.1	159 ¹	102	65	102	30°
AN.2.2	159 ¹	102	65	102	45°
AN.2.3	159 ¹	102	65	102	60°
AN.2.4	215 ²	102	65	102	30°
AN.2.5	215 ²	102	65	102	45°
AN.2.6	215 ²	102	65	102	60°

1: Suitable for quarter bond without cutting. See appendix C

2: Suitable for half bond without cutting. See appendix C

AN.3 INTERNAL ANGLE (DOG LEG) (LEFT OR RIGHT HAND)



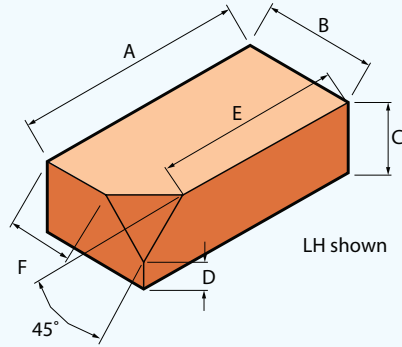
Type No.	A	B	C	D	a
AN.3.1	164 ²	102	65	51	30°
AN.3.2	164 ²	102	65	51	45°
AN.3.3	164 ²	102	65	51	60°
AN.3.4	159 ¹	102	65	102	30°
AN.3.5	159 ¹	102	65	102	45°
AN.3.6	159 ¹	102	65	102	60°
AN.3.7	215 ²	102	65	102	30°
AN.3.8	215 ²	102	65	102	45°
AN.3.9	215 ²	102	65	102	60°

1: Suitable for quarter bond without cutting. See appendix C

2: Suitable for half bond without cutting. See appendix C

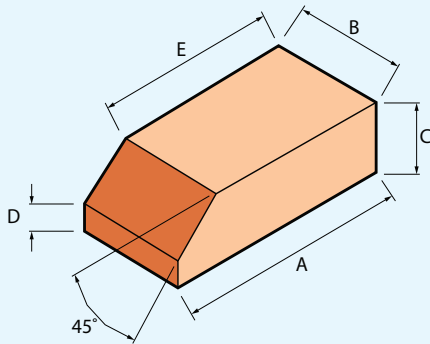
PLINTH BRICKS (PL)

PL.1 PLINTH STOP OR CANT STOP (LEFT OR RIGHT HAND)



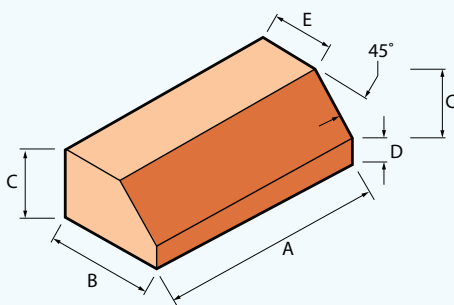
Type No.	A	B	C	D	E	F
PL.1.1	215	102	65	9	159	49
PL.1.2	215	102	65	23	173	60

PL.2 PLINTH HEADER



Type No.	A	B	C	D	E
PL.2.1	215	102	65	9	159
PL.2.2	215	102	65	23	173

PL.3 PLINTH STRETCHER

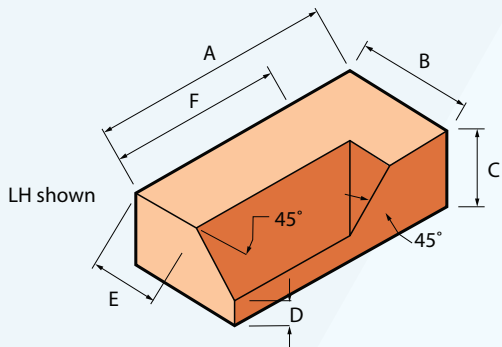


Type No.	A	B	C	D	E
PL.3.1	215	102	65	9	46
PL.3.2	215	102	65	23	60

SPECIAL SHAPED BRICKS

Special shaped bricks are manufactured from standard bricks, using a cut and bonded method. This process is carried out using diamond tipped blades and clean, fresh water. The bonding process takes place using a two part epoxy resin, specifically developed for this task. Special shaped bricks can be delivered back to site in days rather than weeks.

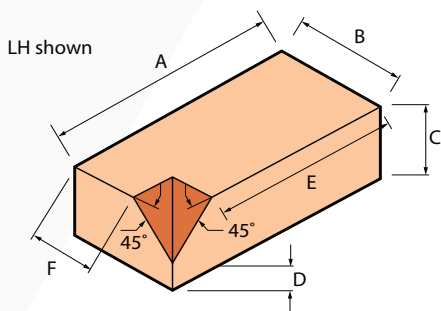
PL.4 PLINTH INTERNAL RETURN (LONG) (LEFT OR RIGHT HAND)



Type No.	A	B	C	D	E	F
PL.4.1	215	102	65	9	46	169
PL.4.2	215	102	65	23	60	155

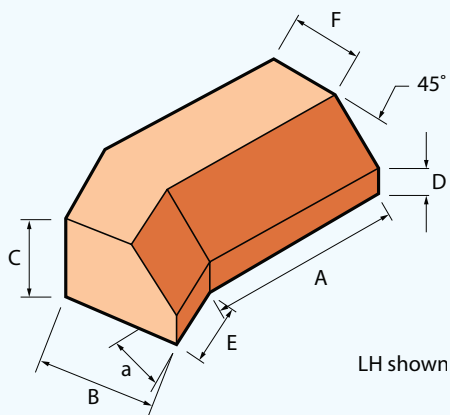
Type No.	A	B	C	D	E	F
PL.5.1	215	102	65	9	159	46
PL.5.2	215	102	65	23	173	60

PL.5 PLINTH INTERNAL RETURN (SHORT) (LEFT OR RIGHT HAND)



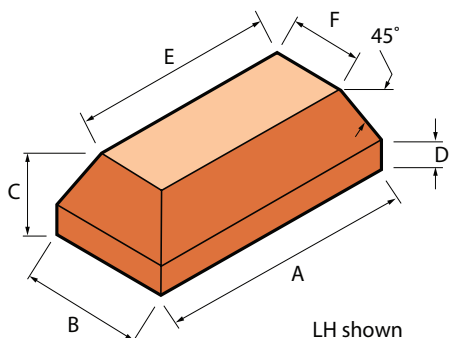
Type No.	A	B	C	D	E	F	a
PL.6.1	164 ²	102	65	9	51	46	30°
PL.6.2	164 ²	102	65	23	51	60	30°
PL.6.3	164 ²	102	65	9	51	46	45°
PL.6.4	164 ²	102	65	23	51	60	45°
PL.6.5	164 ²	102	65	9	51	46	60°
PL.6.6	164 ²	102	65	23	51	60	60°
PL.6.7	159 ²	102	65	9	102	46	30°
PL.6.8	159 ²	102	65	23	102	60	30°
PL.6.9	159 ²	102	65	9	102	46	45°
PL.6.10	159 ²	102	65	23	102	60	45°
PL.6.11	159 ²	102	65	9	102	46	60°
PL.6.12	159 ²	102	65	23	102	60	60°
PL.6.13	215 ²	102	65	9	102	46	30°
PL.6.14	215 ²	102	65	23	102	60	30°
PL.6.15	215 ²	102	65	9	102	46	45°
PL.6.16	215 ²	102	65	23	102	60	45°
PL.6.17	215 ²	102	65	9	102	46	60°
PL.6.18	215 ²	102	65	23	102	60	60°

PL.6 PLINTH INTERNAL ANGLE (LEFT OR RIGHT HAND)



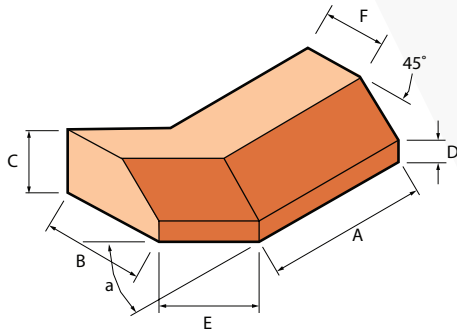
1: Suitable for quarter bond without closer. See appendix C
 2: Suitable for half bond without closer. See appendix C

PL.7 PLINTH EXTERNAL RETURN (LEFT OR RIGHT HAND)



Type No.	A	B	C	D	E	F
PL.7.1	215	102	65	9	159	46
PL.7.2	215	102	65	23	173	60

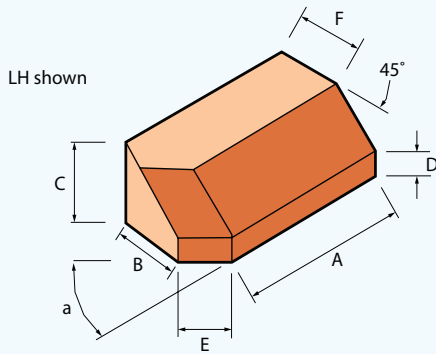
PL.8 PLINTH EXTERNAL ANGLE (LEFT OR RIGHT HAND)



Type No.	A	B	C	D	E	F	a
PL.8.1	159 ¹	102	65	9	102	46	30°
PL.8.2	159 ¹	102	65	23	102	60	30°
PL.8.3	159 ¹	102	65	9	102	46	45°
PL.8.4	159 ¹	102	65	23	102	60	45°
PL.8.5	159 ¹	102	65	9	102	46	60°
PL.8.6	159 ¹	102	65	23	102	60	60°
PL.8.7	215 ²	102	65	9	102	46	30°
PL.8.8	215 ²	102	65	23	102	60	30°
PL.8.9	215 ²	102	65	9	102	46	45°
PL.8.10	215 ²	102	65	23	102	60	45°
PL.8.11	215 ²	102	65	9	102	46	60°
PL.8.12	215 ²	102	65	23	102	60	60°

1: Suitable for quarter bond without closer. See appendix C
 2: Suitable for half bond without closer. See appendix C

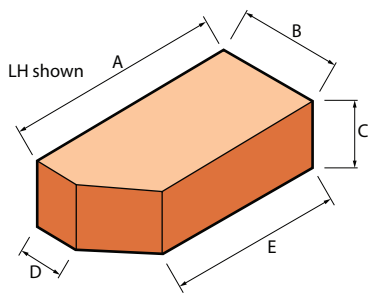
PL.9 PLINTH SQUINT (LEFT OR RIGHT HAND)



Type No.	A	B	C	D	E	F	a
PL.9.1	164	102	65	9	51	46	30°
PL.9.2	164	102	65	23	51	60	30°
PL.9.3	164	102	65	9	51	46	45°
PL.9.4	164	102	65	23	51	60	45°
PL.9.5	164	102	65	9	51	46	60°
PL.9.6	164	102	65	23	51	60	60°

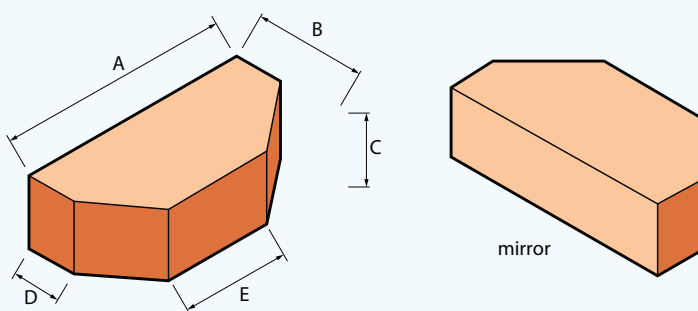
ANGLE AND CANT BRICKS (AN)

AN.5 SINGLE CANT (LEFT OR RIGHT HAND)



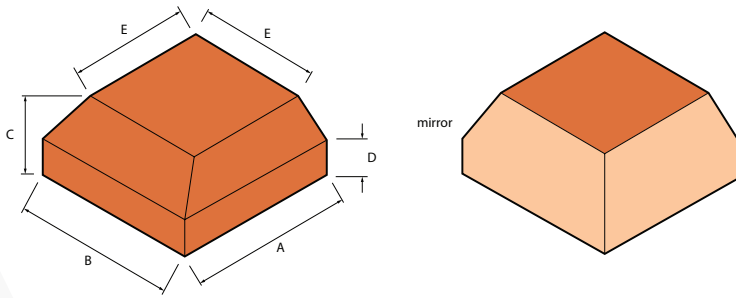
Type No.	A	B	C	D	E
AN.5.1	215	102	65	46	159
AN.5.2	215	102	65	60	173

AN.6 DOUBLE CANT



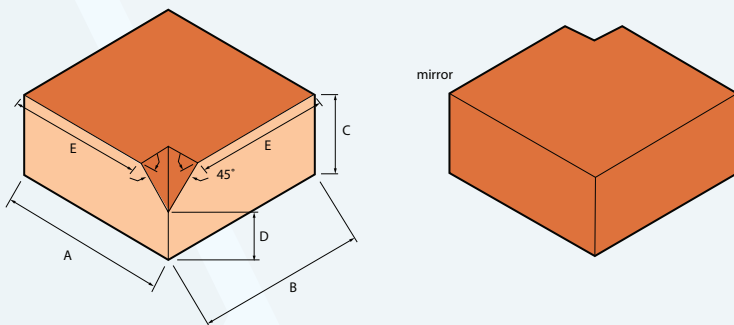
Type No.	A	B	C	D	E
AN.6.1	215	102	65	46	103
AN.6.2	215	102	65	60	131

AN.7 SINGLE CANT EXTERNAL RETURN



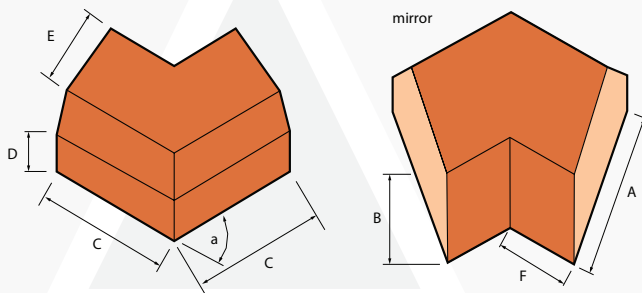
Type No.	A	B	C	D	E
AN.7.1	215	215	102	46	159
AN.7.2	215	215	102	60	173

AN.8 SINGLE CANT INTERNAL RETURN WITH INTERNAL MITRE (SQUARE EXTERNAL CORNER ON BED)



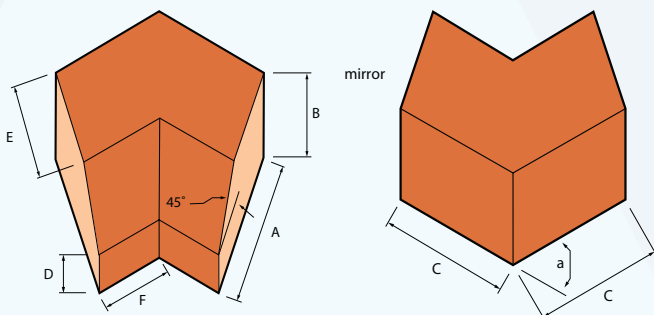
Type No.	A	B	C	D	E
AN.8.1	215	215	102	46	159
AN.8.2	215	215	102	60	173

AN.10 SINGLE CANT EXTERNAL ANGLE



Type No.	A	B	C	D	E	F	a
AN.10.1	215	102	159	46	159	101	30°
AN.10.2	215	102	159	60	173	101	30°
AN.10.3	215	102	159	46	159	70	45°
AN.10.4	215	102	159	60	173	70	45°
AN.10.5	215	102	159	46	159	35	60°
AN.10.6	215	102	159	60	173	35	60°

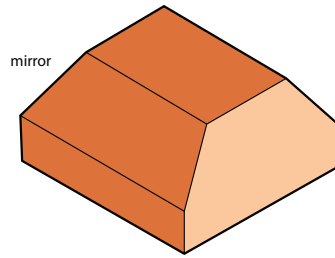
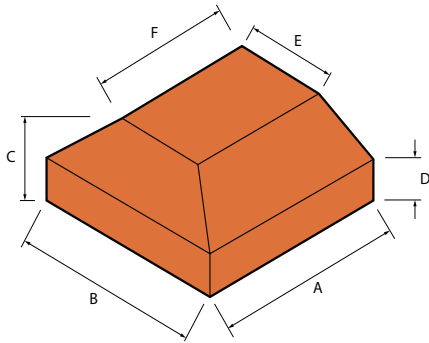
AN.11 SINGLE CANT INTERNAL ANGLE



Type No.	A	B	C	D	E	F	a
AN.11.1	215	102	159	46	159	101	30°
AN.11.2	215	102	159	60	173	101	30°
AN.11.3	215	102	159	46	159	70	45°
AN.11.4	215	102	159	60	173	70	45°
AN.11.5	215	102	159	46	159	35	60°
AN.11.6	215	102	159	60	173	35	60°

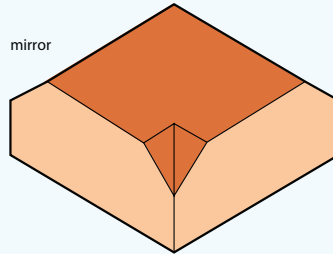
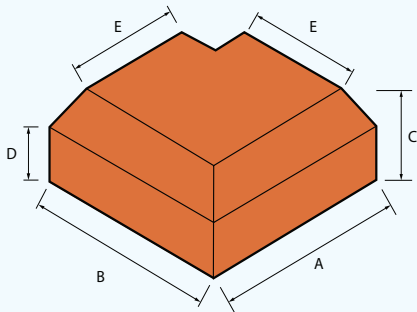


AN.12 DOUBLE CANT STOP END (SQUARE CORNERS ON BED)



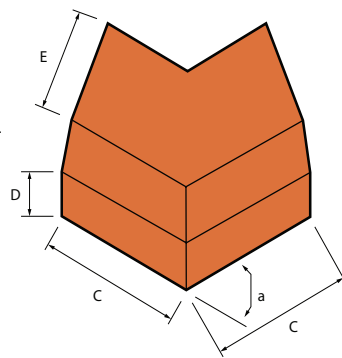
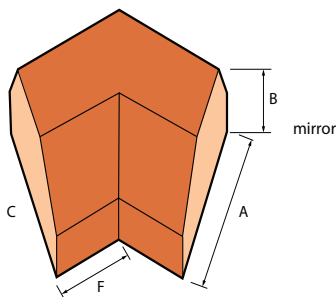
Type No.	A	B	C	D	E	F
AN.12.1	215	215	102	46	103	159
AN.12.2	215	215	102	60	131	173

AN.14 DOUBLE CANT EXTERNAL RETURN WITH INTERNAL MITRE (SQUARE CORNERS ON BED)



Type No.	A	B	C	D	E
AN.14.1	215	215	102	46	103
AN.14.2	215	215	102	60	131

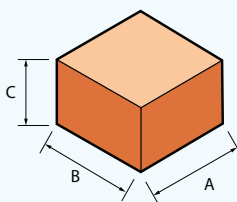
AN.18 DOUBLE CANT ANGLE



Type No.	A	B	C	D	E	F	a
AN.18.1	215	102	159	46	103	101	30°
AN.18.2	215	102	159	60	131	101	30°
AN.18.3	215	102	159	46	103	70	45°
AN.18.4	215	102	159	60	131	70	45°
AN.18.5	215	102	159	46	103	35	60°
AN.18.6	215	102	159	60	131	35	60°

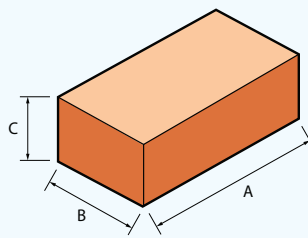
BONDING BRICKS (BD)

BD.1.1 HALF BAT (SNAP HEADER)



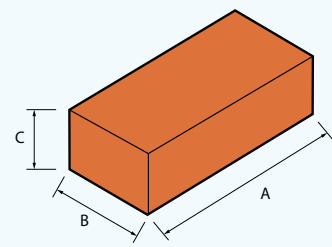
Type No.	A	B	C
BD.1.1	102	102	65

BD.1.2 THREE QUARTER BAT



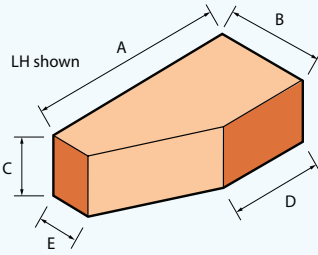
Type No.	A	B	C
BD.1.2	159	102	65

BD.1.3 STANDARD BRICK FACED ON BED SURFACE

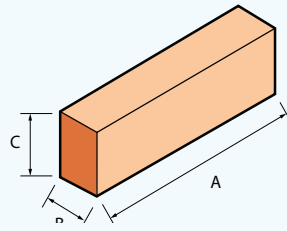


Type No.	A	B	C
BD.1.3	215	102	65

BD.2 KING CLOSER (LEFT OR RIGHT HAND)



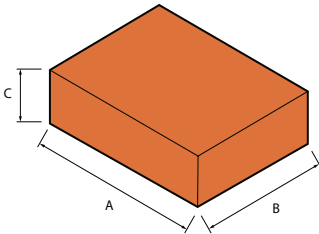
BD.3 QUEEN CLOSER



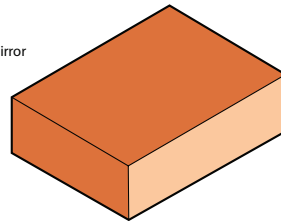
Type No.	A	B	C	D	E
BD.2	215	102	65	102	46

Type No.	A	B	C
BD.3	215	46	65

BD.4 215MM STOP END



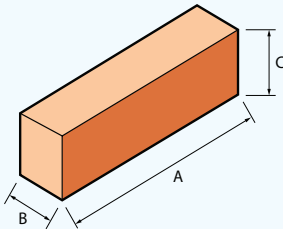
mirror



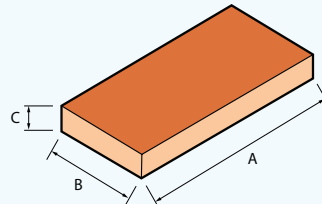
Type No.	A	B	C
BD.4.1	215	159	102
BD.4.2	215	159	65
BD.4.3	215	215	102
BD.4.4	215	215	65

BRICK SLIPS (SL)

SL.1 BRICK FACE SLIP



SL.2 BRICK BED SLIP

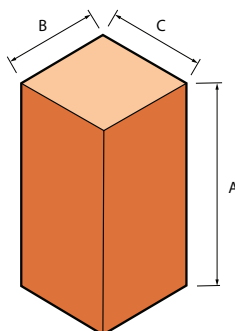


Type No.	A	B	C
SL.1.1	215	25	65
SL.1.2	215	30	65
SL.1.3	215	40	65
SL.1.4	215	50	65

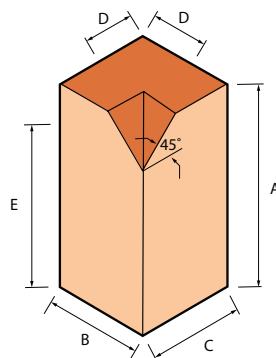
Type No.	A	B	C
SL.2	215	102	25

SOLDIER BRICK (SD)

SD.1 SOLDIER RETURN



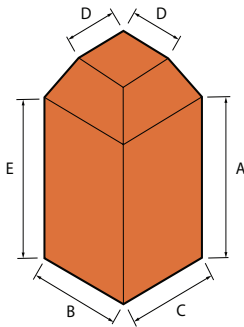
SD.2 INTERNAL SOLDIER RETURN TO SINGLE CANT ON END



Type No.	A	B	C
SD.1.1	215	65	65
SD.1.2	215	102	102

Type No.	A	B	C	D	E
SD.2.1	215	102	102	46	159
SD.2.2	215	102	102	60	173

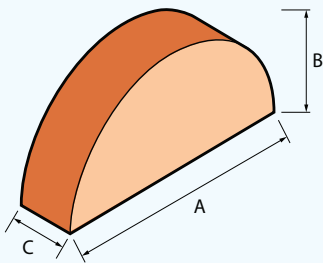
SD.3 EXTERNAL SOLDIER RETURN TO SINGLE CANT ON END



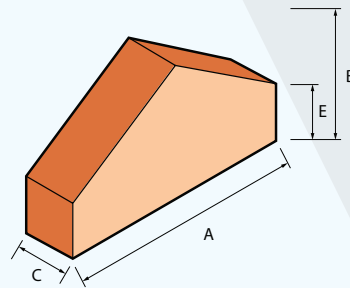
Type No.	A	B	C	D	E
SD.3.1	215	102	102	46	159
SD.3.2	215	102	102	60	173

CAPPING BRICKS (CP)

CP1.2 HALF ROUND CAPPING



CP2.2 SADDLEBACK CAPPING

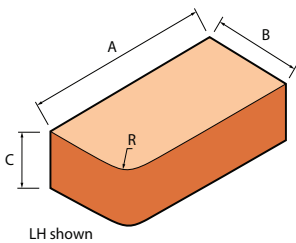


Type No.	A	B	C
CP1.2	215	108	65

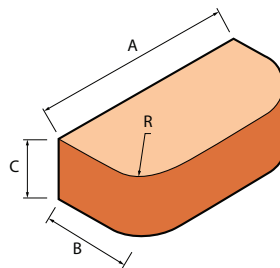
Type No.	A	B	C	E
CP2.2	215	123	65	50

BULLNOSE BRICKS (BN)

BN.1 SINGLE BULLNOSE (LEFT OR RIGHT HAND)



BN.2 DOUBLE BULLNOSE

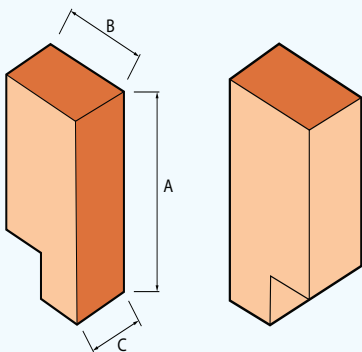


Type No.	A	B	C	R
BN.1.1	215	102	65	25
BN.1.2	215	102	65	51

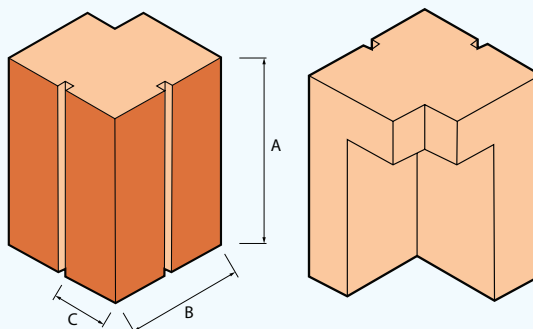
Type No.	A	B	C	R
BN.2.1	215	102	65	25
BN.2.2	215	102	65	51

PISTOL BRICKS (NON STANDARD)

PISTOL SOLDIER

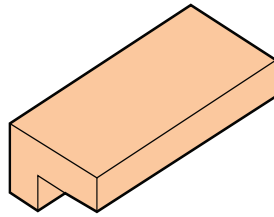
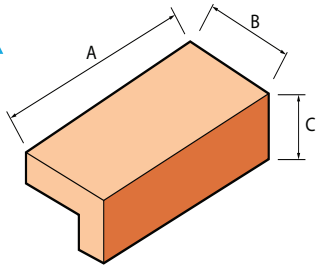


EXTERNAL RETURN TO PISTOL SOLDIER



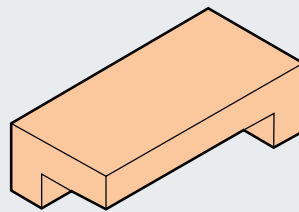
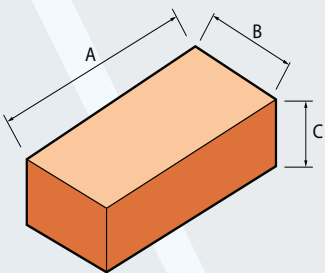
PISTOL SOLDIER		
A	B	C
215	102	65
EXTERNAL RETURN TO		
A	B	C
215	140	65

PISTOL STRETCHER



PISTOL STRETCHER		
A	B	C
215	102	65

EXTERNAL RETURN TO PISTOL STRETCHER

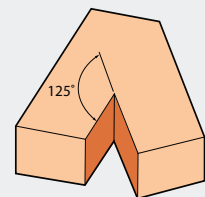
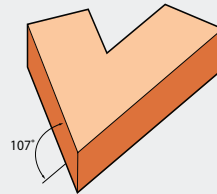
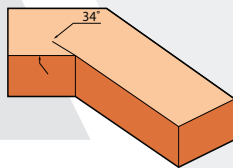
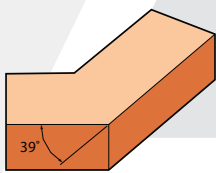


EXTERNAL RETURN TO		
A	B	C
215	102	65

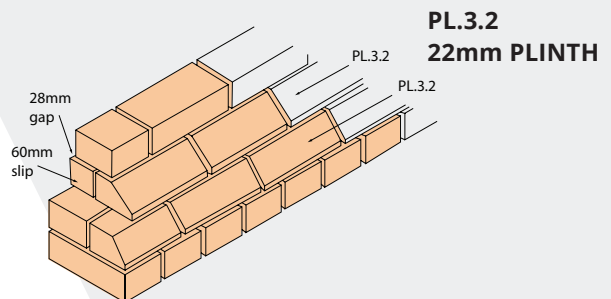
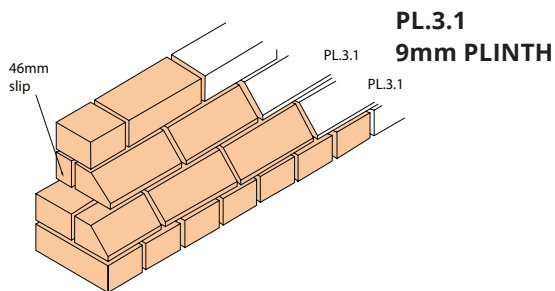
APPENDIX

A: ORDERING NON-STANDARD ANGLES

When ordering non-standard angles, please ensure the angle is measured at the correct point in accordance with the British Standard.

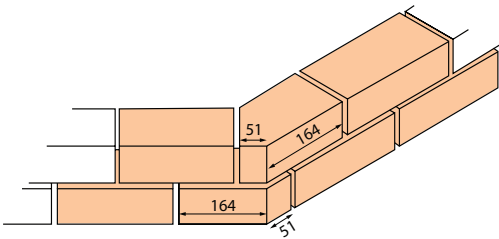


B: APPLICATION OF BRITISH STANDARD PLINTHS

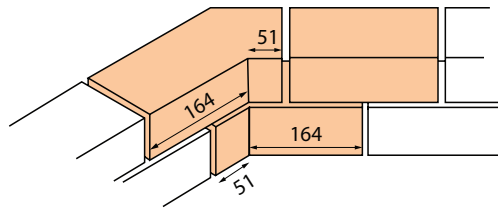


Apex will collect your bricks from site to ensure a perfect match

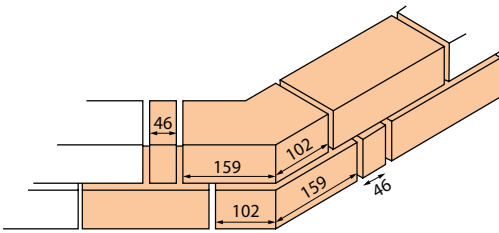
C: APPLICATION OF SQUINTS AND ANGLE BRICKS TO EXTERNAL AND INTERNAL ANGLES IN BRICKWORK



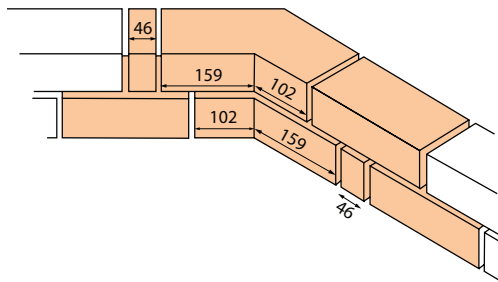
A: Squint AN.1.1, AN.1.2, AN.1.3
Maintains half-bond without closer



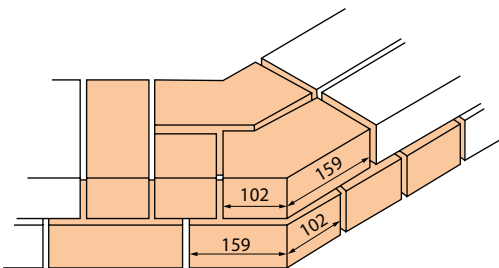
E: Internal angle AN.3.1, AN.3.2, AN.3.3
Maintains half-bond without closer



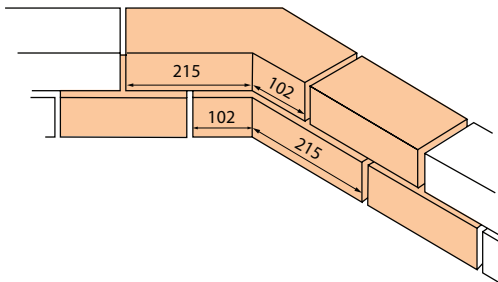
B: External angles AN.2.1, AN.2.2, AN.2.3
Maintains half-bond with closer



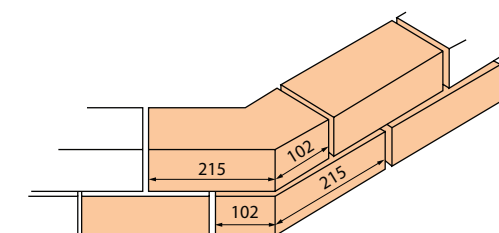
F: Internal angle AN.3.4, AN.3.5, AN.3.6
Maintains half-bond with closer



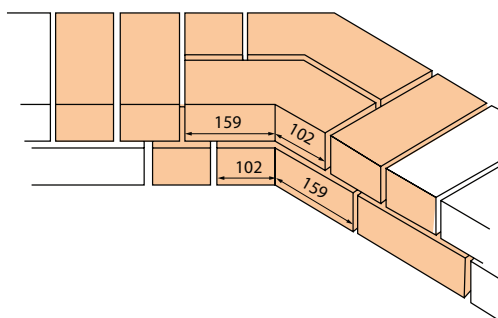
C: External angles AN.2.1, AN.2.2, AN.2.3
Maintains quarter-bond without closer



G: Internal angle AN.3.7, AN.3.8, AN.3.9
Maintains half-bond without closer



D: External angles AN.2.4, AN.2.5, AN.2.6
Maintains half-bond without closer



H: Internal angle AN.3.4, AN.3.5, AN.3.6
Maintains quarter-bond



A

A: Keystone detail in non standard arch

B: Pre pointed 3mm joints

C: Arches with Artstone Keystones

D: Detail of brickwork at Peterhouse College, Cambridge

E: House detail at Burnham Norfolk

F: Liverpool Lawn Development @ Ramsgate (Curved on plan Arches)

G: Cast stone supplied by APEX



B



C



D



G

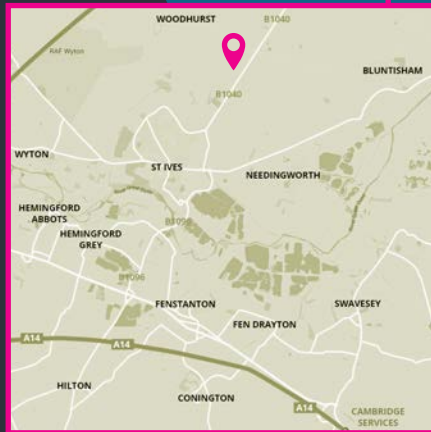
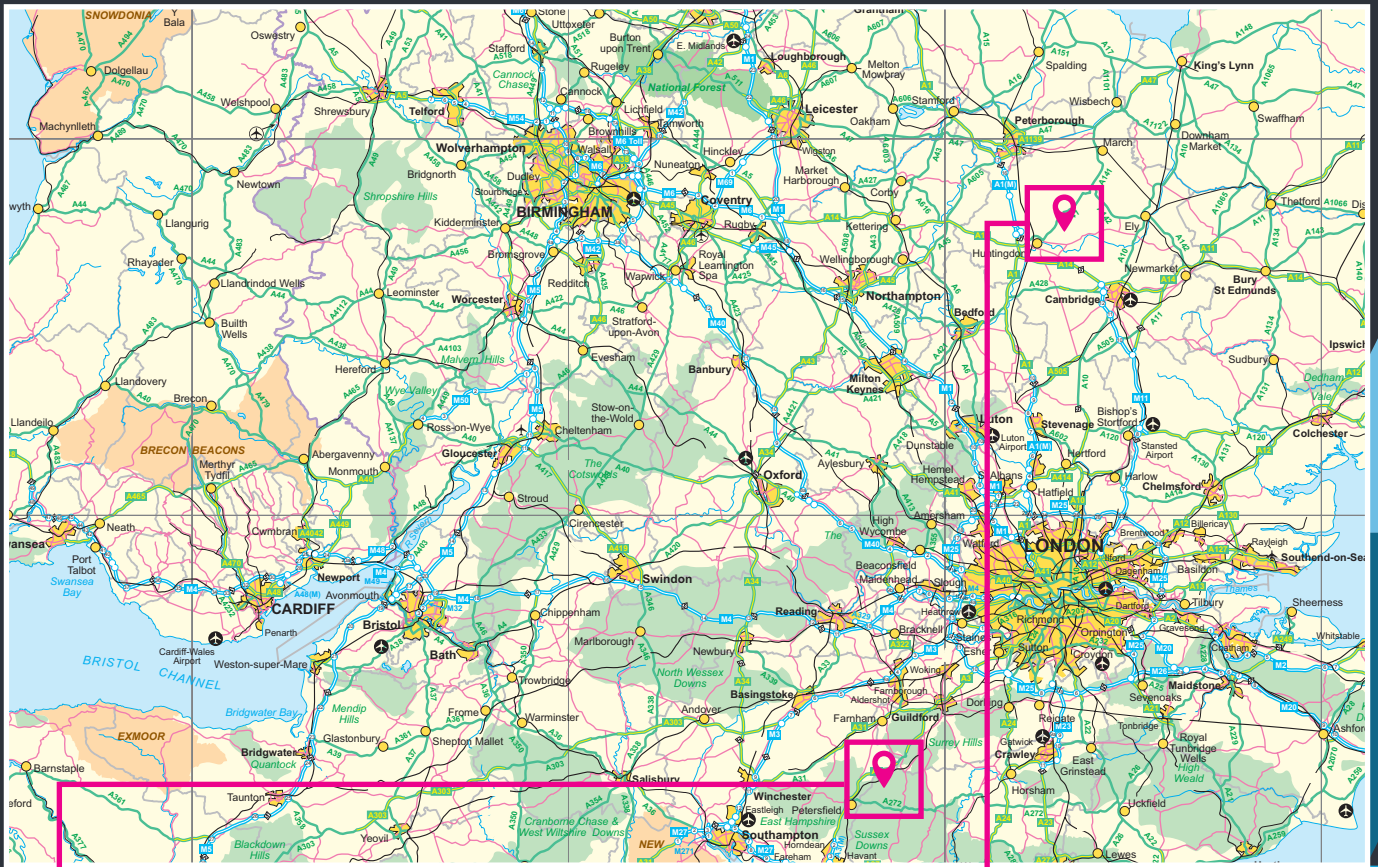



F




E


WHERE TO FIND US




 APEX SOUTHERN
1 Iron Hill, Hollycombe, Liphook,
Hampshire,
GU30 7LP

 Tel: 01428 708160
Fax: 01428 707448

 enquiries@apexbrickcutters.co.uk

 APEX MIDLANDS
Heath Farm, Somersham Road,
Woodhurst, Huntingdon,
Cambridgeshire, PE28 3BP

 Tel: 01480 494393
Fax: 01480 494397

 paul@apexbrickcutters.co.uk