



# Prefabricated Components

www.brickability.co.uk

## Brickability and FabSpeed<sup>™</sup>



The Brickability Brick and Building Materials Division is made up of 14 businesses who have been supporting their customers' projects for over 35 years. Working with architects, contractors, installers and private clients, the division combines their experience to provide the complete solution, including an array of prefabricated and precast components.

FabSpeed<sup>™</sup> is a leading brick fabricator in the UK and now joins 6 other influential brands as part of Michelmersh Brick Holdings PLC. With over 25 years' experience in the Construction Industry, FabSpeed have invested their time in premium, innovative products and quality management systems, to earn their regard as a pioneer in prefabricated building solutions.

**Brickab** 

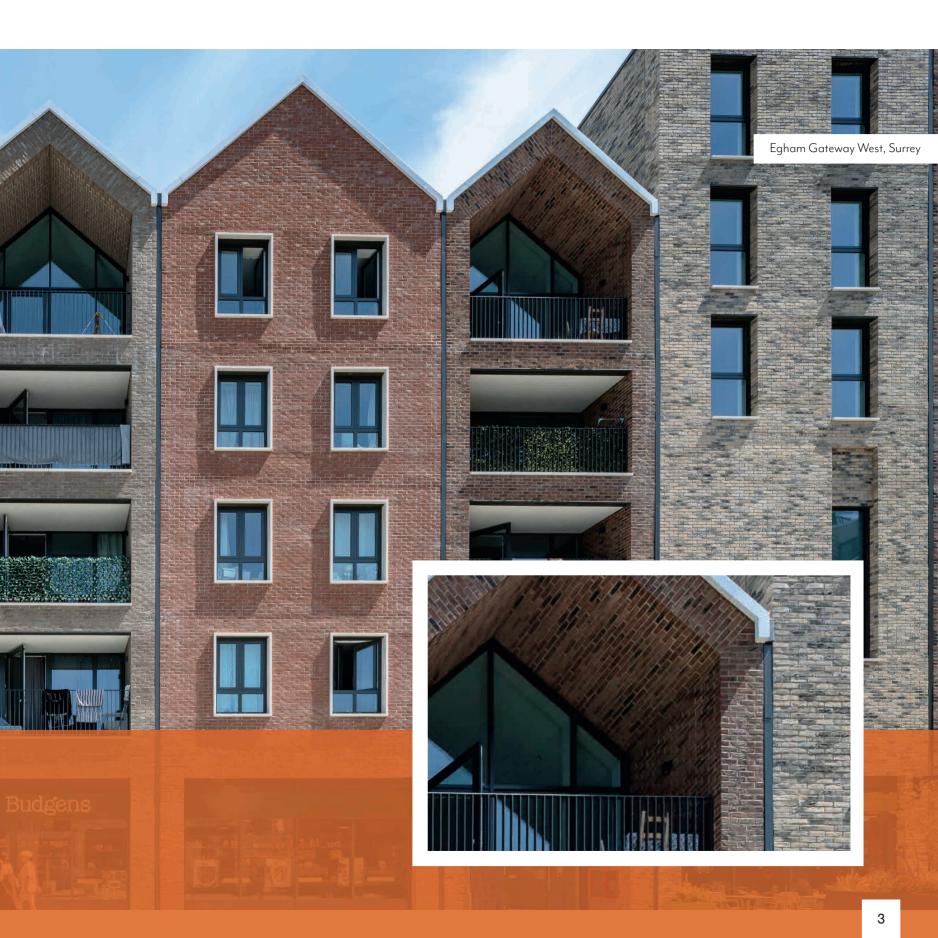
**Brick & Building Materials** 

FabSpeed

Their bespoke facilities and highly skilled production processes facilitate a large capacity for complex or simple prefabricated brick components, detailed into buildings by architects and engineers in both the residential and commercial sectors. FabSpeed is also heavily focused on product certification and third party testing, to give added confidence to our customers.

As leaders in our industry, we have partnered with FabSpeed to provide our customers with flexible, easy to install and cost-effective products, such as arches, chimneys, brick facade systems and other brick detailing. Furthermore, these ranges can be adapted to bespoke requirements, to support the most complex of building designs.

These prefabricated products can accelerate construction project timelines and remove these key product elements from the critical path. Together, we will take a project from design phase to production and then to onsite delivery for installation.



## **Special Shaped Bricks**



The Department Store Studios, London

### **Brick Specials**

Using FabSpeed's specialist modern brick cutting and bonding techniques, we can offer our customers the full range of standard and non-standard brick specials, that will arrive efficiently and to the highest possible standards.

Special shaped bricks and blocks are a mainstay of the construction industry, providing both essential structural elements and beautiful additional details that make a project facade complete. However you intend to incorporate brick specials into your development, our combined teams are highly skilled, knowledgeable and ready to assist.

Our years of experience ensures we're equipped to offer technical guidance and structural calculations, ready to utilise as cost-effective solutions in your project brickwork.

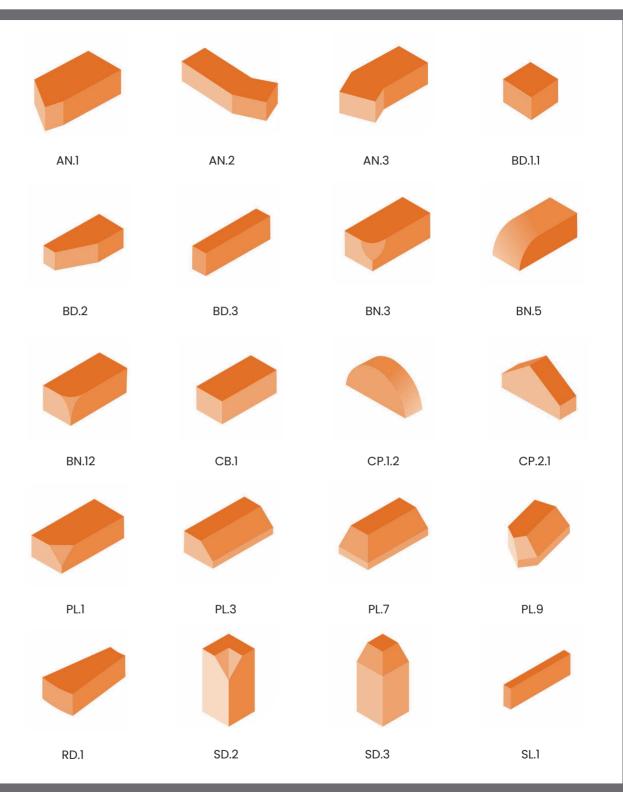
A wider range of special shape bricks can be viewed on pages 18 - 27.



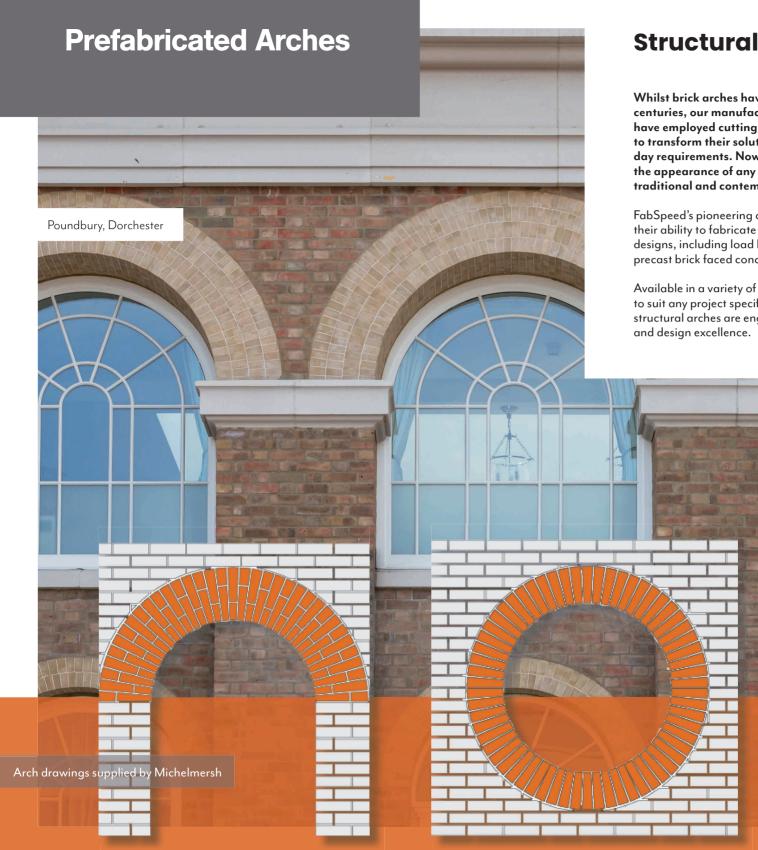








Special Shape drawings supplied by Michelmersh



Semi-Circular Arch

**Structural Arches** 

Whilst brick arches have been used for centuries, our manufacturing partners have employed cutting edge technologies to transform their solutions for modern day requirements. Now, you can enhance the appearance of any building in both traditional and contemporary ways.

FabSpeed's pioneering craftsmanship shows in their ability to fabricate all types of arch or lintel designs, including load bearing prefabricated or precast brick faced concrete lintels.

Available in a variety of brick patterns and sizes to suit any project specific requirement, these structural arches are engineered for both quality







## **Lightweight Arches**

Alternately, we can offer customers a lightweight or loose-cut brick-faced product. These Lightweight Arches, are backed by BBA certification (21/5931), assuring high production standards.

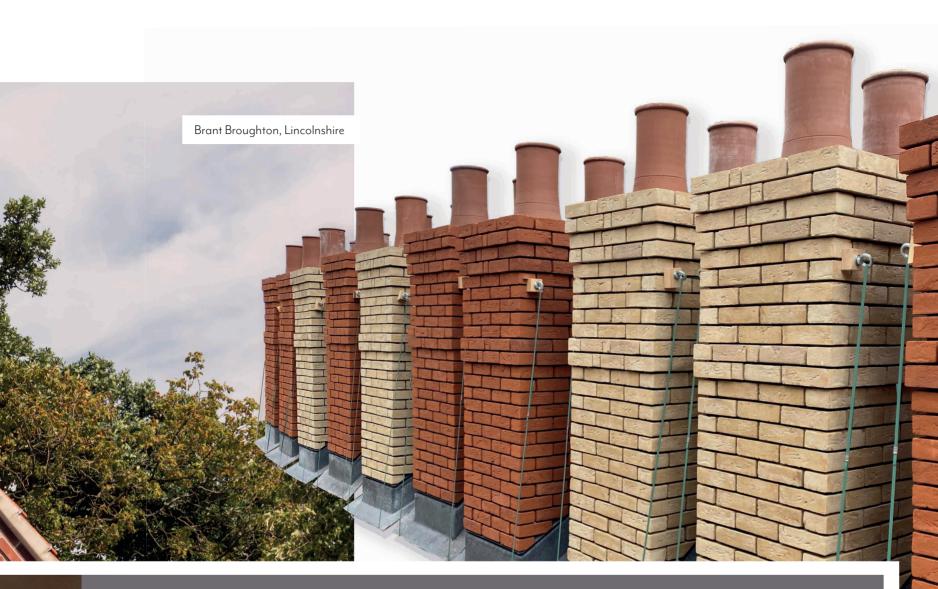
The benefits our offsite, prefabricated arches offer are:

- Quick and easy installation
- Precise cutting
- A guaranteed colour match
- An economical and cost-effective option
- A lightweight solution when compared to traditional building methods

Again, these options are available with an accompanying variety of bond patterns to perfectly match the surrounding brickwork and vernacular.

## **Prefabricated Chimneys**





### **Prefabricated Chimneys**

We offer a range of prefabricated lightweight chimneys for all roof planes, with the option for bespoke pitches, dimensions with facade and cap finishes also available.

Due to the flexible and skilled production process, these elements can be manufactured to large capacities while maintaining the complex or specialist specification that your development may require. We know that the architects, contractors and housebuilders we work with require the highest quality product, assembled to the highest structural standards, while meeting tight construction schedules.

The range of prefabricated brick clad chimney stacks, comprised of GRP cores and traditional brick or stone facades, are available as both 'working' or 'cosmetic' chimneys. Combined, this offers a lightweight solution while meeting project planning requirements.

## **Brick Facades**

Archerfield, East Lothian





## **Pro-Clad**

We offer a collection of brick cladding systems, including Pro-Clad and Pro-Steel, which have been developed by our partners, FabSpeed. These lightweight products offer the expected offsite solution benefits, such as quick installation and cost efficiency.

Pro-Clad is a magnesium oxide backed brick cladding system, which can be used as a total or partial brick facade both internally and externally. This system is perfect for projects where it's imperative for the new brick cladding to match the adjacent brickwork, as almost any brick can be incorporated into the Pro-clad system.

We can either provide a brick matching service to complement original brickwork, or bricks can be collected from an on-going project site and fabricated into the lightweight backing boards as required.

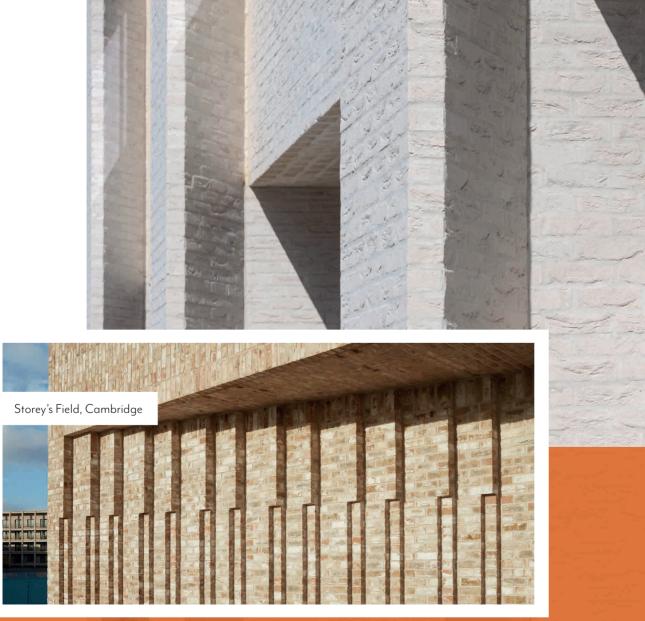
Not only are these panels resistant to water, mould and rodents, they also add to a buildings thermal and sound insulation properties. Using stainless steel fixings, as supplied with the product, Pro-Clad can be installed to a variety of substrates including aluminium rails, timber batons and concrete blockwork.

Information on Pro-Steel can be found on page 13.



## **Brick Facades**

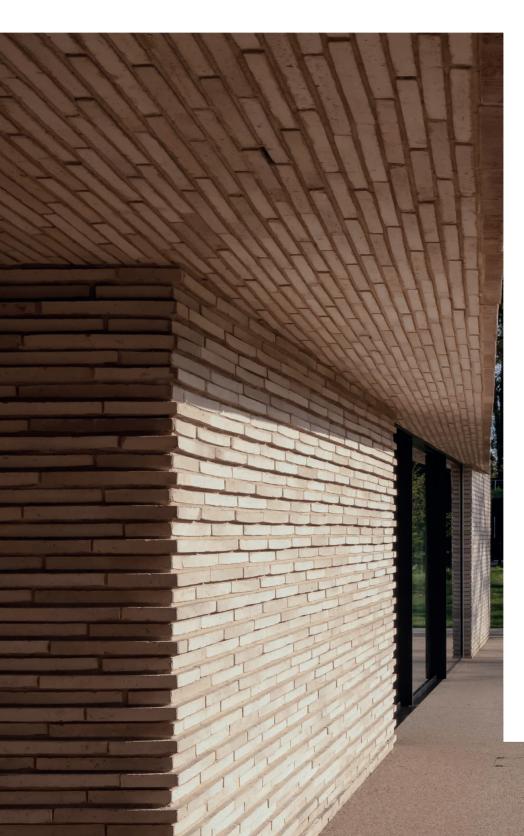
Oasis Academy, Silvertown





Claywood House, Hampshire







### **Pro-Steel**

Pro-Steel is available as two product solutions, both of which offer a seamless underslung brick faced soffit. Solution one is a bolt-up brick faced stainless steel unit, attached to a masonry support system, while solution two is a structural stainless steel brick faced lintel.

Manufactured in factory-controlled conditions, these lightweight prefabricated products provide a quick and easily fixed solution for modern day projects.

This innovative soffit and lintel solution allows for varying brickwork bond patterns and bespoke designs, where traditional methods of installation are not possible. Brick continuity is not compromised when using Pro-Steel soffits and lintels, unless your project design requires it for a stand-out feature.

Where an A fire rating is essential, our FabSpeed partners have developed mechanically restrained options for both Pro-Clad and Pro-Steel, to provide customers an option that comes with no height restrictions. Please get in touch with our teams for further technical documentation.

## Bricology







## Bricology

The Bricology facade habitat range from FabSpeed creates safe, easy-to-install homes for small animals and insects. Complementing both our companies' sustainability focus, these products protect some of the UK's most important pollinators, enhancing biodiversity whilst allowing architects to meet their full creative vision.

Suitable for installation as the project progresses or retrospectively, these prefabricated bricks are available in almost any variety of clay brick, to harmonise with existing or planned brickwork.

#### **Bricology Bee Brick**

The Bricology Bee Brick is designed for the nesting of solitary bees, reducing the risk of predation and protecting of larvae. Constructed from a variety of clay-facing bricks and featuring various diameter aperture access holes the Bee Brick can accommodate a diverse array of Bee species within the singular brick unit.

#### **Bricology Bird Starling Box**

The Bird Starling Box is specifically designed to provide a safe and secure nesting site for this endangered species. At three brick courses high and with an appropriately sized entrance aperture, these products provide a comfortable habitat to support the protection of Starlings.

#### Bricology Bat Box

Bats are the only true flying mammal with four of the UK's seventeen breeding bat species red-listed as at risk of extinction. The Bat Box encourages bats and people to thrive together, enhancing the availability of safe spaces for hibernation or maternity roosting for Bats amongst our built environments.

#### **Bricology Bird Sparrow Box**

Including a Bricology Sparrow Box in your residential setting is a great way to help ensure their future survival whilst also supporting the biodiversity in your local ecosystem. Each Box is cleverly constructed from two courses high of brickwork and features aperture for access, with a suitably sized nesting space behind the brick face.







## **Claywood House, Hampshire**







#### **Claywood House**

Organised over two storeys, Claywood House is a contemporary, 5-bedroom home in Hampshire that was created to meet the needs of a wheelchair dependent client. Designed by architecture studio, Ayre Chamberlain Gaunt, the 750sqm, low-carbon home focuses on accessibility and functionality without compromising on visual excellence.

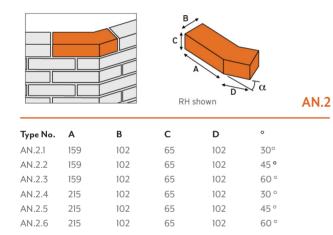
Completed externally using linear facing bricks, many areas of the home's interior were finished with Pro-Clad, using the same brick as featured on the facade. The Pro-Clad method enables the incorporation of almost any brick type, which in this case meant the linear brick's sense of fluidity and luxury could be carried throughout the project.

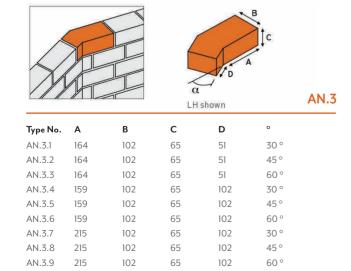
Furthermore, the pale, earth-tone linear brick harmonises with the green landscape and woodland surroundings.

Claywood House has received significant recognition for its design. The building received the British Home Awards 'House of the Year 2022 (over 2,500sq ft)' prize and was shortlisted for a RIBA 2022 Regional Award.

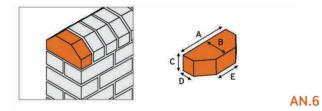
## **Brick Specials**

			ε αζ LH	90° D shown	B ↓ C	AN.1
Type No.	А	В	С	D	E	o
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 °

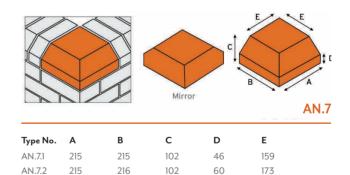


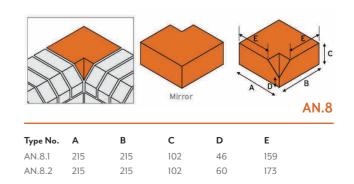


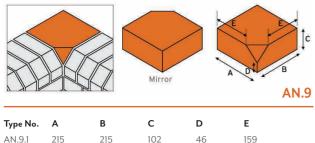
			D	A	B ↓ C	
			LH	shown		AN.5
Type No.	А	В	с	D	E	
AN.5.1	215	102	65	46	159	
AN.5.2	215	102	65	60	173	



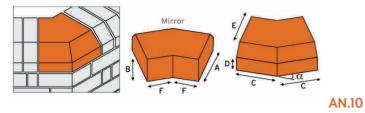
Type No.	А	В	с	D	Е	
AN.6.1	215	102	65	46	103	
AN.6.2	215	102	65	60	131	



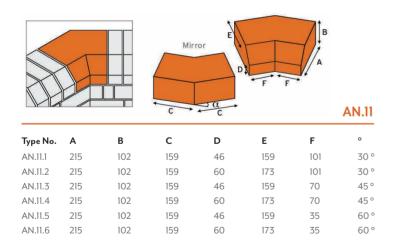


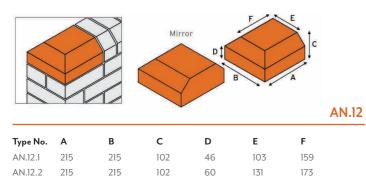


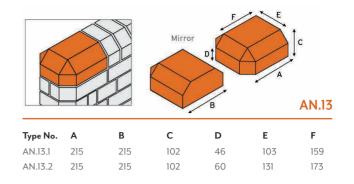
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AN.9.1	215	215	102	46	159
AN.9.2	215	215	102	60	173

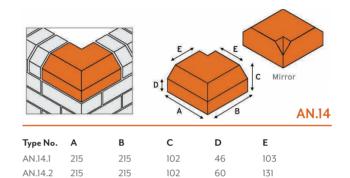


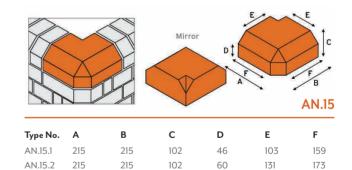
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AN.10.1	215	102	159	46	159	101	30 °
AN.10.2	215	102	159	60	173	101	30 °
AN.10.3	215	102	159	46	159	70	45 °
AN.10.4	215	102	159	60	173	70	45 °
AN.10.5	215	102	159	46	159	35	60 °
AN.10.6	215	102	159	60	173	35	60 °

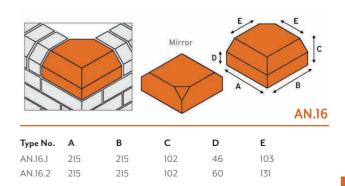


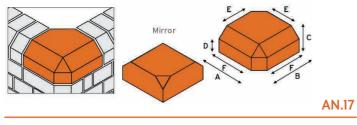




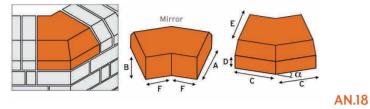






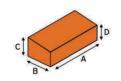






Type No.	А	в	с	D	Е	F	0
AN.18.1	215	102	159	46	103	101	30°
AN.18.2	215	102	159	60	131	101	30 °
AN.18.3	215	102	159	46	103	70	45 °
AN.18.4	215	102	159	60	131	70	45 °
AN.18.5	215	102	159	46	103	35	60 °
AN.18.6	215	102	159	60	131	35	60 °

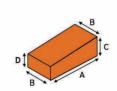




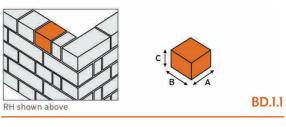
Type No.	А	В	с	D	Dimension	No. of whole Bricks	No. of Bricks in semi-circle
AR.1.1	215	102	75	59	910	4	20 or 21
AR.1.2	215	102	75	64	1360	6	28 or 29
AR.1.3	215	102	75	66	1810	8	36 or37
AR.1.4	215	102	75	69	2710	12	53 or 54

AR.1

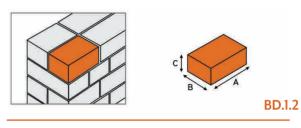
**AR.2** 



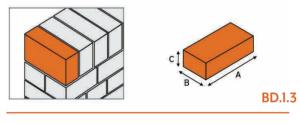
Type No.	A	В	с	D	Dimension	No. of whole Bricks	No. of Bricks in semi-circle
AR.2.1	215	102	75	48	910	4	25
AR.2.2	215	102	75	55	1360	6	33
AR.2.3	215	102	75	58	1810	8	41
AR.2.4	215	102	75	63	2710	12	58



Type No.	Α	В	С
BD.1.1	102	102	65



Type No.	Α	В	С
BD.1.2	159	102	65



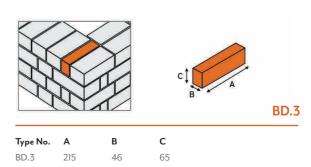
 Type No.
 A
 B
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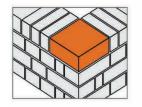
 BD1.3
 215
 102
 65

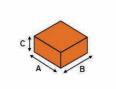




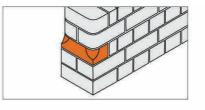
BD.2 215 102 65 102 46

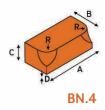






Type No.	А	в	с
BD.4.1	215	159	102
BD.4.2	215	159	65
BD.4.3	215	159	102
BD.4.4	215	159	65





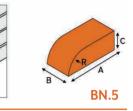
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BN.4.2	215	102	65	25	51



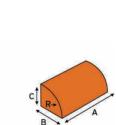
BD.4

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	LH shown
Type No. A B	C R

	R		
			/
Type No.	Α	В	С



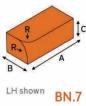
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BN.5.2	215	102	65	51



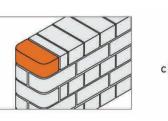


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BN.6.2	215	102	65	51



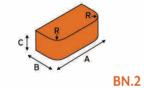


Α	В	С	R
215	102	65	25
215	102	65	51
215	102	215	25
215	102	215	51
	215 215 215	215     102       215     102       215     102	215         102         65           215         102         65           215         102         215

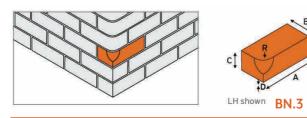


BN.1.1

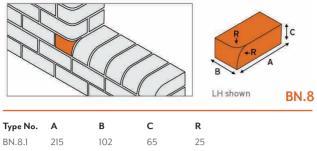
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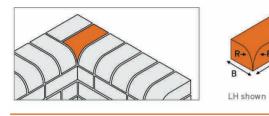
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BN.2.2	215	102	65	51



Type No.	А	в	С	D	R
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BN.3.2	215	102	65	25	51



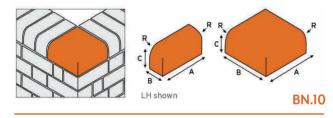
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BN.8.2	215	102	65	51
BN.8.3	215	102	102	25
BN.8.4	215	102	102	51



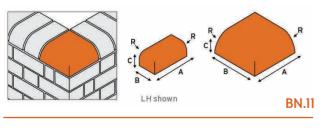
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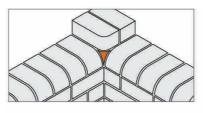
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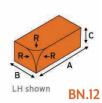


Type No.	Α	В	С	R
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BN.10.2	215	65	102	51
BN.10.3	215	215	102	25
BN.10.4	215	215	102	51



Type No.	Α	В	С	R
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BN.11.2	215	102	65	51
BN.11.3	215	215	65	25
BN.11.4	215	215	65	51





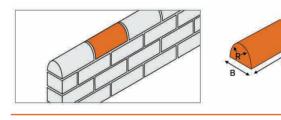
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**BN.14** 

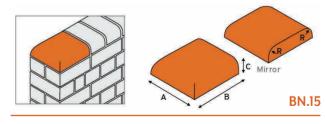
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BN.12.2	215	102	65	51	



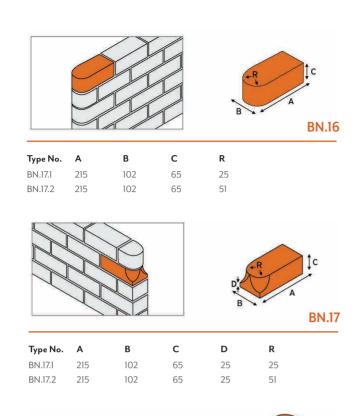
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BN.13.2	215	102	65	51

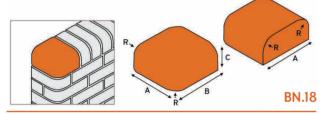


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BN.14.2	215	102	65	51

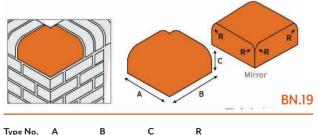


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BN.15.2	215	159	102	51
BN.15.3	215	215	102	25
BN.15.4	215	215	102	51
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BN.15.6	215	159	65	51
BN.15.7	215	215	65	25
BN.15.8	215	215	65	51

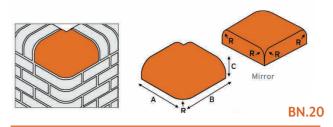




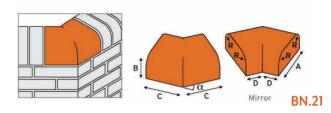
Type No.	Α	В	С	R
BN.18.1	215	159	102	25
BN.18.2	215	159	102	51
BN.18.3	215	215	102	25
BN.18.4	215	215	102	51
BN.18.5	215	159	65	25
BN.18.6	215	159	65	51
BN.18.7	215	215	65	25
BN.18.8	215	215	65	51



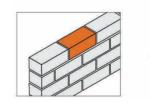
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BN.19.2	215	215	102	51
BN.19.3	215	215	65	25
BN.19.4	215	215	65	51



Type No.	Α	В	С	R
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BN.20.2	215	215	102	51
BN.20.3	215	215	65	25
BN.20.4	215	215	65	51

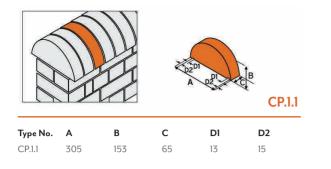


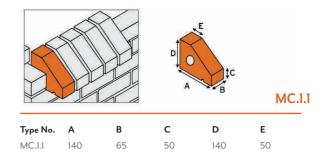
Type No.	Α	В	С	D	R	0
BN.21.1	215	102	159	101	25	30°
BN.21.2	215	102	159	101	51	30 °
BN.21.3	215	65	159	101	25	30 °
BN.21.4	215	65	159	101	51	30 °
BN.21.5	215	102	159	70	25	45 °
BN.21.6	215	102	159	70	51	45 °
BN.21.7	215	65	159	70	25	45 °
BN.21.8	215	65	159	70	51	45 °
BN.21.9	215	102	159	35	25	60°
BN.21.10	215	102	159	35	51	60°
BN.21.11	215	65	159	35	25	60°
BN.21.12	215	65	159	35	51	60°

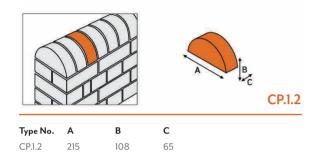


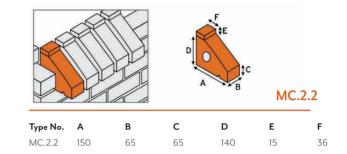
**CB.1** 

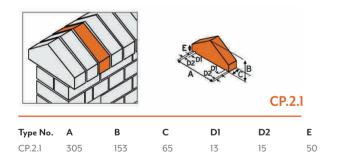
Type No.	Α	В	С
CB.1.1	190	90	65
CB.1.2	190	90	90
CB.1.3	215	120	50
CB.1.4	215	120	53
CB.1.5	215	102	65
CB.1.6	215	102	73
CB.1.7	215	120	80
CB.1.8	233	112	73
CB.1.9	233	112	80
CB.1.10	290	90	65
CB.1.11	290	90	90

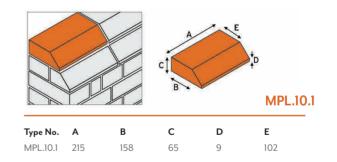


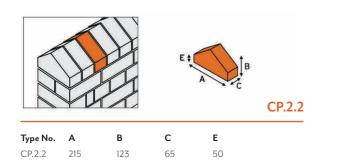


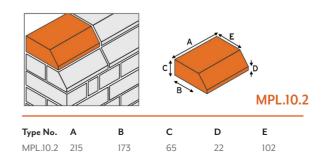


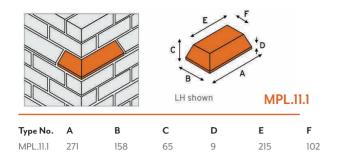


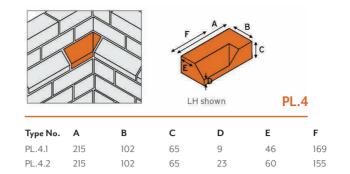


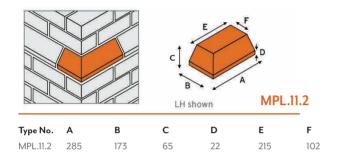


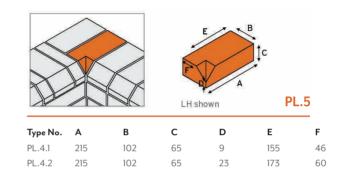


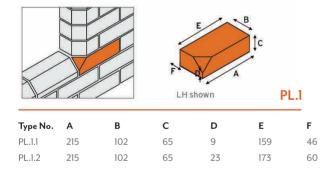


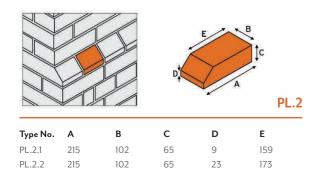


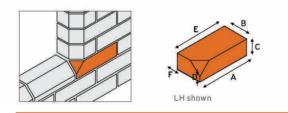








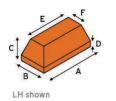




Type No.	Α	В	С	D	E	F	0
PL.6.1	164	102	65	9	51	46	30°
PL.6.2	164	102	65	23	51	60	30°
PL.6.3	164	102	65	9	51	46	45°
PL.6.4	164	102	65	23	51	60	45°
PL.6.5	164	102	65	9	51	46	60°
PL.6.6	164	102	65	23	51	60	60°
PL.6.7	159	102	65	9	102	46	30°
PL.6.8	159	102	65	23	102	60	30°
PL.6.9	159	102	65	9	102	46	45°
PL.6.10	159	102	65	23	102	60	45°
PL.6.11	159	102	65	9	102	46	60°
PL.6.12	159	102	65	23	102	60	60°
PL.6.13	215	102	65	9	102	46	30°
PL.6.14	215	102	65	23	102	60	30°
PL.6.15	215	102	65	9	102	46	45°
PL.6.16	215	102	65	23	102	60	45°
PL.6.17	215	102	65	9	102	46	60°
PL.6.18	215	102	65	23	102	60	60°

**PL.6** 



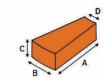


PL.7

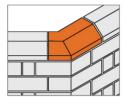
PL.9

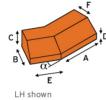
Type No.	A	В	с	D	E	F	
PL.7.1	215	102	65	9	159	46	
PL.7.2	215	102	65	23	173	60	





Type No.	А	В	с	D	Ideal Outer Radius	ldeal Inner Radius	No. of Bricks in Quadrant
RD.1.1	215	108	65	52	450	235	6
RD.1.2	215	108	65	70	675	460	9
RD.1.3	215	108	65	80	900	685	12
RD.1.4	215	108	65	89	1350	1135	18
RD.1.5	215	108	65	97	2250	2035	30
RD.1.6	215	108	65	103	5400	5185	72
RD.1.4 RD.1.5	215 215	108 108	65 65	89 97	1350 2250	1135 2035	18 30



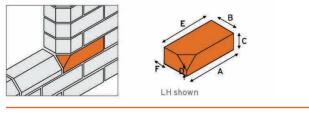


			LH sh	own			PL.8	
Type No.	А	В	с	D	E	F	0	
PL.6.1	159	102	65	9	102	46	30°	
PL.6.2	159	102	65	23	102	60	30°	
PL.6.3	159	102	65	9	102	46	45°	
PL.6.4	159	102	65	23	102	60	45°	
PL.6.5	159	102	65	9	102	46	600	
PL.6.6	159	102	65	23	102	60	600	
PL.6.7	215	102	65	9	102	46	30°	
PL.6.8	215	102	65	23	102	60	30°	
PL.6.9	215	102	65	9	102	46	45°	
PL.6.10	215	102	65	23	102	60	45°	
PL.6.11	215	102	65	9	102	46	609	
PL.6.12	215	102	65	23	102	60	609	
PL.6.12								

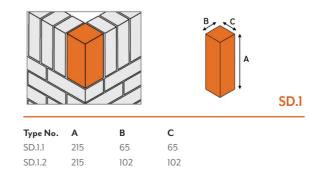


**RD.2** 

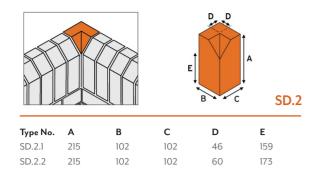
Type No.	A	В	с	D	Ideal Outer Radius	Ideal Inner Radius	No. of Bricks in Quadrant
RD.1.1	215	108	65	52	450	235	6
RD.1.2	215	108	65	70	675	460	9
RD.1.3	215	108	65	80	900	685	12
RD.1.4	215	108	65	89	1350	1135	18
RD.1.5	215	108	65	97	2250	2035	30
RD.1.6	215	108	65	103	5400	5185	72

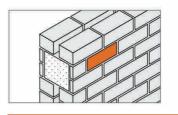


Type No.	А	В	С	D	Е	F	0
PL.6.1	164	102	65	9	51	46	30°
PL.6.2	164	102	65	23	51	60	30°
PL.6.3	164	102	65	9	51	46	45°
PL.6.4	164	102	65	23	51	60	45°
PL.6.5	164	102	65	9	51	46	60°
PL.6.6	164	102	65	23	51	60	60°



**RD.1** 

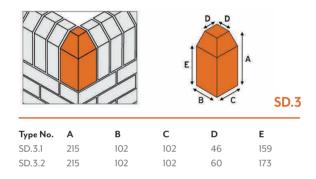


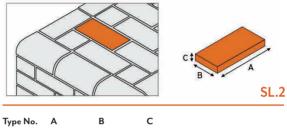




SL.1

Type No.	А	В	С
SL.1.1	215	25	65
SL.1.2	215	30	65
SL.1.2	215	40	65
SL.1.2	215	50	65







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Alternatively, if you're not sure which solution is best suited for your individual project, we're on hand to give informed advice and direct you towards the right product for your requirements.



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