

Specifics & pack sizes

ACS supply **Apollo** masonry reinforcement as standard in 2.7 metre lengths, and are bundled in boxes containing 20 lengths. All **Apollo** components have been independently tested and are supported by certified calculations and physical test data, and conform with European and British standards BS5628-2, BS EN 845-3 & BS EN 1996-1.1.

Apollo: Specifications

Code Reference	Min Equiv. Wire Diameter	Min. cross sectional areas (mm ²)	Approx depth across flats (mm)
SLF30	3.0mm	7.07	2.75
SLF35	3.5mm	10.06	2.75
SLF40	4.0mm	12.56	2.75
SLF45	4.5mm	15.91	2.75
SLF50	5.0mm	19.64	3.00

Brick/Block Wall Width	100mm/102mm	140mm	150mm	190mm	215mm
Apollo Width	60mm	100mm	100mm	150mm	175mm

Apollo: Products

Masonry Wall Thickness	For external walls code/reference	For internal walls code/reference
102mm Brick or 100mm Block	SLF30W60	GLF30W60
102mm Brick or 100mm Block	SLF35W60	GLF35W60
102mm Brick or 100mm Block	SLF40W60	GLF40W60
102mm Brick or 100mm Block	SLF45W60	GLF45W60
102mm Brick or 100mm Block	SLF50W60	GLF50W60
140mm Block	SLF30W100	GLF30W100
140mm Block	SLF35W100	GLF35W100
140mm Block	SLF40W100	GLF40W100
140mm Block	SLF45W100	GLF45W100
140mm Block	SLF50W100	GLF50W100
190mm Block or 200mm Block	SLF30W150	GLF30W150
190mm Block or 200mm Block	SLF35W150	GLF35W150
190mm Block or 200mm Block	SLF40W150	GLF40W150
190mm Block or 200mm Block	SLF45W150	GLF45W150
190mm Block or 200mm Block	SLF50W150	GLF50W150
215mm Block	SLF30W175	GLF30W175
215mm Block	SLF35W175	GLF35W175
215mm Block	SLF40W175	GLF40W175
215mm Block	SLF45W175	GLF45W175
215mm Block	SLF50W175	GLF50W175

Apollo: high performance bed joint reinforcement



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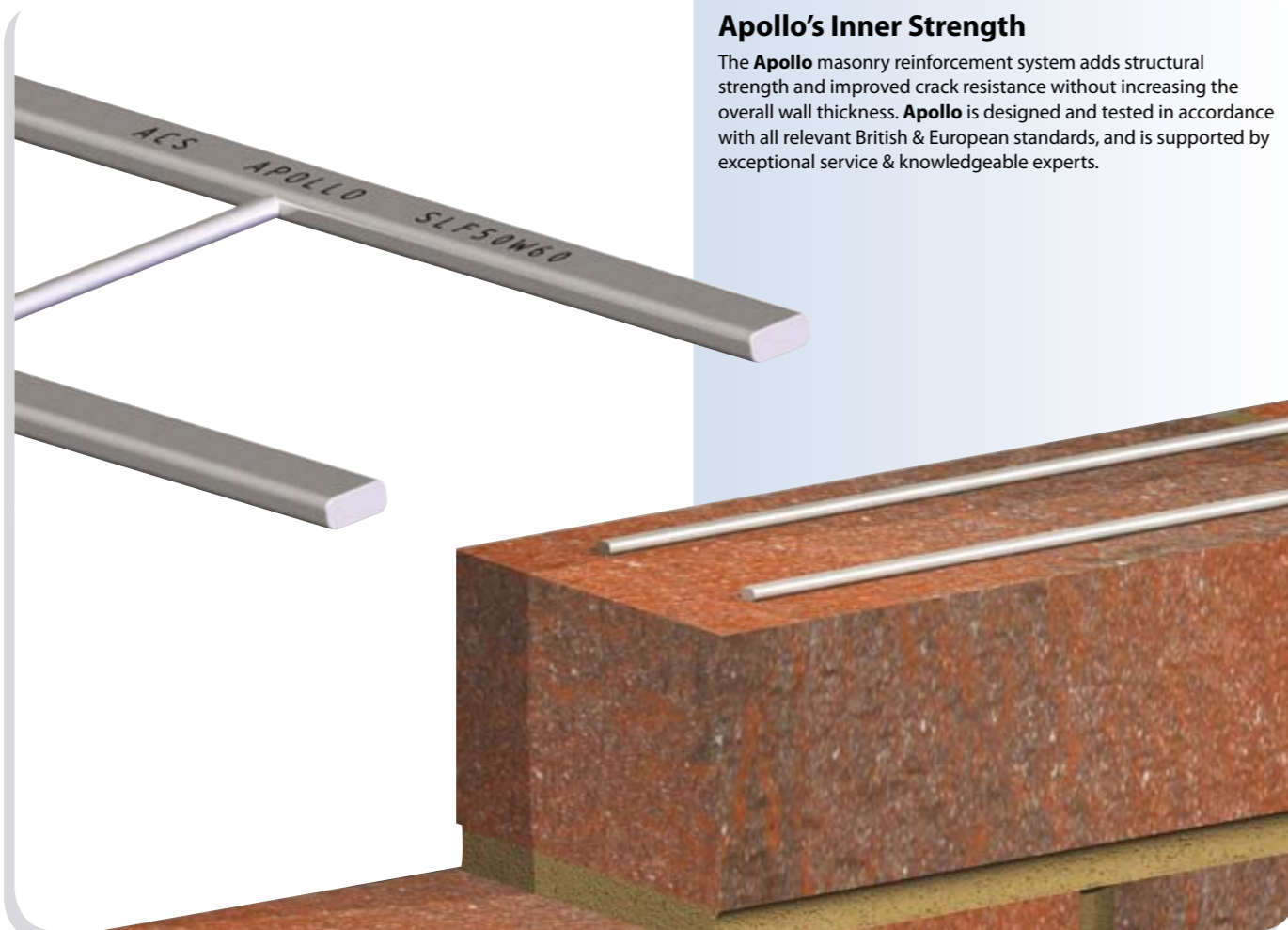
The information relating to construction applications detailed in this literature are indicative only. In all cases suitably qualified persons should ensure correct project working details. Whilst the advice contained within this document has been prepared with every care to ensure that any information is accurate, no liability or responsibility of any kind is accepted in respect of ACS Stainless Steel Fixings Ltd. ACS Stainless Steel Fixings Ltd has a policy of continuous product development and as such reserve the right to alter product design and specification without prior notice.

Introducing the all new ACS APOLLO™

Benefits

Apollo's Inner Strength

The **Apollo** masonry reinforcement system adds structural strength and improved crack resistance without increasing the overall wall thickness. **Apollo** is designed and tested in accordance with all relevant British & European standards, and is supported by exceptional service & knowledgeable experts.



Lower Profile – Higher Strength

Unlike the original round wire reinforcement, **Apollo's** 3mm maximum profile allows it to be lapped, crossed and used in conjunction with wall ties whilst still achieving the requirements for material thickness & cover from the design codes.

Apollo is quick and easy to install, it is easily cut and lapped on site to suit the specific applications.

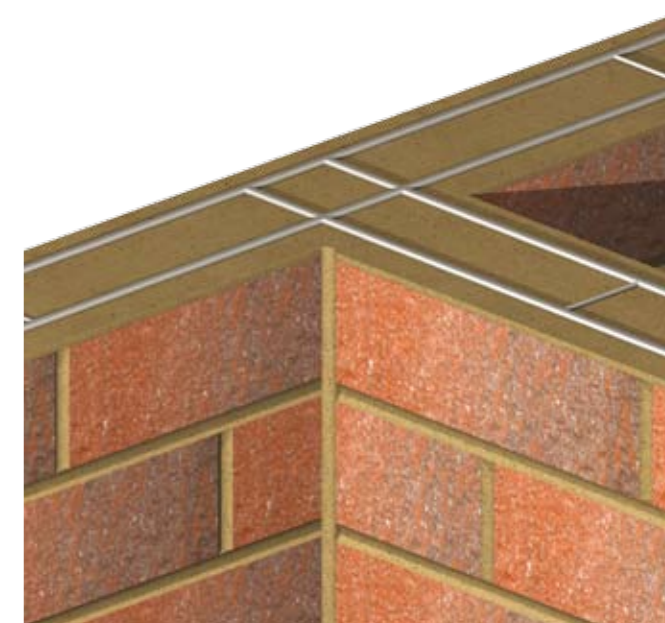
The **Apollo** product can also be used to reduced cracking around openings (in accordance with BS5628: Part 2 – 2005). It can also be used to prevent cracking due to movement (in accordance with BS5628: Part 3 – 2005).

Greater Savings – Greater Design Freedom

Apollo can be used to increase the lateral capacity of a masonry panel when subjected to wind or pressure loads. As a result it can be used to reduce, or in places, remove the need for windposts, providing a cost saving benefit. **Apollo** gives the designer greater freedom at the design stage and provides the opportunity to investigate various panel design solutions to find the optimum.

NBS Plus Specification Software

ACS's **Apollo** masonry reinforcement is listed on the NBS Plus specification software – the industry standard specification software tool. It is easy to use the drag and drop facility to specify **Apollo** into your project, and this means that our technical information is incorporated in NBS format at the point of specification.



A System suited to every application

Because **Apollo** can be accurately tailored to your project, it can help you to manage the cost of the material, installation and labour.

Apollo is available in 5 different wire diameters from 3.0mm to 5.0mm in 0.5mm increments, and 5 different widths to suit the range of loads and brick/block applications 100mm to 215mm.

Apollo comes in two corrosion-resistant finishes: stainless steel for external walls and galvanised for internal uses.

For added convenience and ease of transportation, all **Apollo** products come in standard 2.7m long strips.

A free design service included as standard

As part of ACS's ongoing commitment to unrivaled customer service, ACS offer a free of charge basic design package. Our dedicated in house technical team can advise on the best solution for your given requirements, and offer fully detailed calculations and technical data to support our recommendations. For further information regarding wall design, contact the **Apollo** technical team on 0113 3918200.

Proven Performance From ACS

ACS Stainless Steels Fixings has been designing, manufacturing and supplying a wide range of top quality structural fixings to the construction industry for over 25 years.

During this time, we have built a reputation for product innovation and service that is second to none.

All **Apollo** components have been independently tested and are supported by certified calculations and physical test data.

The advantages of Apollo:

- Increases lateral load capacity of a masonry panel
- Can be used to increase the distance between structural supports and reduce the number of windposts
- Suitable for brick and block widths from 100mm to 215mm
- Developed in accordance with all relevant British & European standards BS5628-2, BS EN 845-3 & BS EN 1996-1.1
- Flattened profile ensures 6mm maximum reinforcement depth can be achieved, even when lapped and crossed to ensure effective mortar coverage.
- Available in stainless steel and galvanised finishes to suit external and internal panels.
- Minimum characteristic tensile strength 500N/m²
- Stocked in 5 main wire diameters from 3mm to 5mm in 0.5mm increments in line with design codes.

