



Meet the requirements of planners, architects and builders alike



Add charm, elegance and warmth



Ideally suited to old, historic and listed buildings

Cover photograph used by kind permission of the management of the Number Eighty Eight Hotel, Pembroke Street, Dublin.

Decorative Horns

Our standard cords and weights model incorporates swept horns to upper sashes only. Alternatively, horns to both upper and lower sashes, or no horns at all, can be accommodated on request.

A variety of horn profiles are available to choose from.

Horns are not incorporated on our spiral balance hung windows because of the minimal fixing capabilities of the balance to the horn.

Window Divide

Both upper and lower sashes can be manufactured in various heights to give any required proportional split to suit the particular building facade.

Multiple Panes

On request, a wide range of timber glazing bars or solid bars can be fitted on factory glazed units to give any required multi-pane effect.

Alternatively, solid bars can also be incorporated on request.

Other Technical Information

Allan Brothers provides a full technical back-up service covering all aspects of product and glazing performance.

Other technical information including drawings, installation instructions and operating and maintenance instructions are available on request.



The Company

Allan Brothers has been providing quality timber products since 1811 and is Britain's longest existing high performance joinery company.

We have a reputation for reliability, availability, high standards of design and craftsmanship and for consistently providing a value for money product and service.

Our range of high performance timber engineered products includes:-

- Advanced Casement Windows
- 'Scotdoors' External Doorsets
- Patio Doors - Sliding & French Style
- Panel Doors
- 'H' type Windows
- System 2000+ Windows
- Dual Turn Windows
- Vertical Sliding Sash Windows
- Timedor

All are highly robust, durable and secure, have excellent insulation properties, are easy to install, operate and clean and are long lasting and low maintenance.



Environmental Policy

Allan Brothers adopts a strong environmental policy. We use timber, the only truly renewable building material, give preference to suppliers who harvest their timber from well managed, sustainable forests, carefully treat products with preservative after all machining and use predominantly water-based coatings.



VERTICAL SLIDING SASH WINDOWS

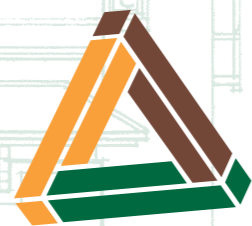
The right choice

VERTICAL SLIDING SASH WINDOWS

The first choice



ALLAN BROTHERS



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ALLAN BROTHERS



Combining Traditional Styling with Modern Weatherproofing

Sliding Sash Windows

Sash windows have been used extensively in Britain since the seventeenth century. Their pleasing proportions and aesthetic appearance add charm and elegance to any building.

Allan Brothers has designed and manufactured traditional sash windows for many years.

However, we have now developed a sash window which incorporates modern thinking and technology whilst maintaining traditional styling and values.

A major requirement for sash windows is in old, historic and listed buildings. We therefore consulted the country's conservation experts, English Heritage and Historic Scotland, during the development of this new product.

As a result, the new Allan Brothers' vertical sliding sash window is considered the best available in terms of combining traditional styling with modern weather-proofing techniques. Moreover, it can be tailor-made to suit any configuration, can accommodate double or single glazing and will meet the requirements of planners, architects and builders alike.

Operation

Heavy duty cords and traditional lead weights are supplied separately for fixing on site by the installer.

Spiral balances are also available on request, factory fitted ready for on-site tensioning.



Cords and weights operation

Construction

Timber

As standard, the frames and sashes are made from quality redwood. However, they can, on request, be made from quality hardwood.

Cases

As standard, the windows are supplied with 95mm wide inside facings and 56mm outside facings (41mm from daylight) forming an open pulley box to suit reveal openings.

Boxed mullions with continuous head and soles, 153mm wide to suit 6 inch imperial stone mullions, are standard, although wider ones can be made to order.

Alternatively, if required for straight-through openings, windows can be supplied with 110mm wide outside facings (95mm from daylight) and external mullion plates.

Note: a solid frame construction is adopted when spiral balances are fitted, in lieu of the above boxed frame construction.

Frame Soles

Windows are supplied with flush soles as standard. 25, 45, 62 and 87mm timber sole extensions are available on request. Please note that, in the event of windows in a reveal situation requiring a sole extension, the amount that the extension will need to be cut back from each end of the window to the depth of the reveal should be clearly specified.

Sizes

The recommended minimum and maximum daylight sizes for weight hung windows are:-

- Minimum: 400mm wide • 1,000mm high
- Maximum: 1,500mm wide • 3,000mm high

Performance

Our windows are factory-fitted with a proprietary easy slide weather-strip which gives a water-tight seal, a high level of energy efficiency and smooth, rattle-free operation.

They have been tested independently and approved to BS 6375 Part 1, achieving a '2,400 Special' exposure category and the following pressure class ratings:

- Air Permeability: 600Pa
- Water Tightness: 300Pa
- Wind Resistance: 2,400Pa

Glazing

22mm (4/14/4) 'Low E' double glazed units, manufactured to BS 5713, are factory fitted as standard.

4mm and 6mm single glazing is available on request, as are a wide range of glass types and specifications including obscure, safety and bronze anti-sun.

A fully drained and vented glazing system is used for improved performance and insulation and timber beads are fitted all round to simulate a traditional putty line.

Black or white glazing tapes are available to suit the particular window finish.

Ironmongery

Pulleys

Brass wheel pulleys with mirror finish polished brass face plates are fitted as standard.

Ball bearing pulleys with mirror finished polished brass faceplates, for a smoother vertically sliding action on larger sashes, are available on request.

Fasteners

As standard, one brass non-locking fitch fastener is fitted to the meeting rails and two brass hook lifts to the lower sash rail.

On request, most other recognised fittings can be provided.

Security devices

Can be fitted if required and, as a minimum, we recommend one face fixed 'sash lock' and strike plate fitted with detachable key. Optionally, for improved security, two such devices can be fitted, whilst most other available patterns can also be supplied and fitted on request.

'Cleaning Facilities'

Special ironmongery can be fitted to cord and weight windows to allow safe cleaning of the sash window from inside the building.

When asked to fit such ironmongery, we provide batten rods that are completely detachable, by means of two thumb screws, on the opening side. Alternatively, if required, the batten rods can be hinged.

Ventilators

Semi-concealed ventilators are fitted as standard. The upper sash top rail can be pre-slotted on request to accommodate a flush fitting internal ventilator and projecting external hood.

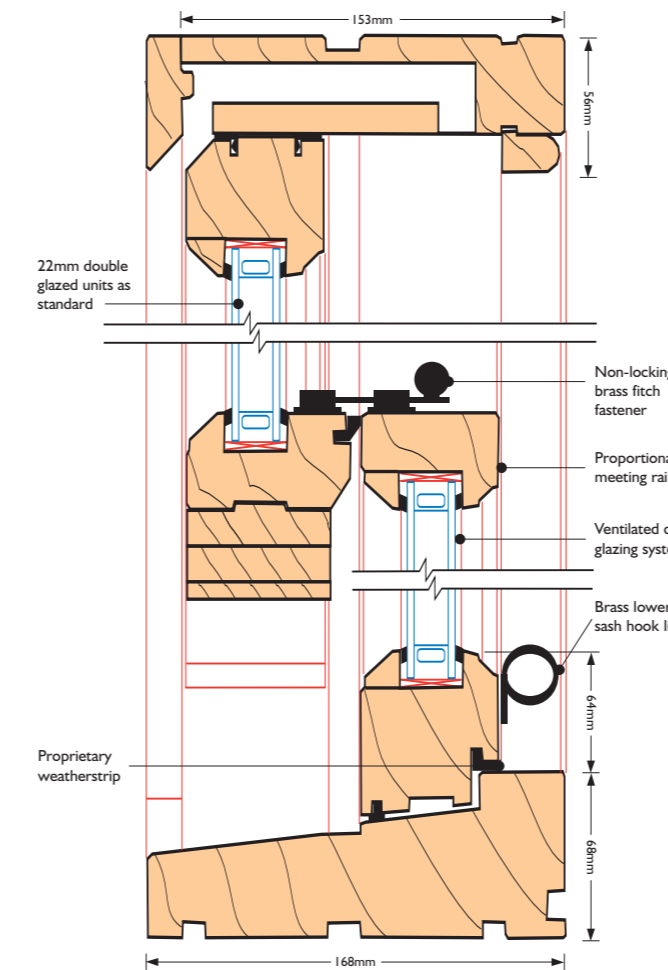
Decoration

Allan Brothers products are treated with preservative after all machining. This is applied by means of a double vacuum process in accordance with BS5589:1989 (or BS8417:2003) and NHBC recommendations. Our water-based coatings are carefully formulated to seal the end-grain against moisture ingress, inhibit tannin stain and give the timber a quality look and feel.



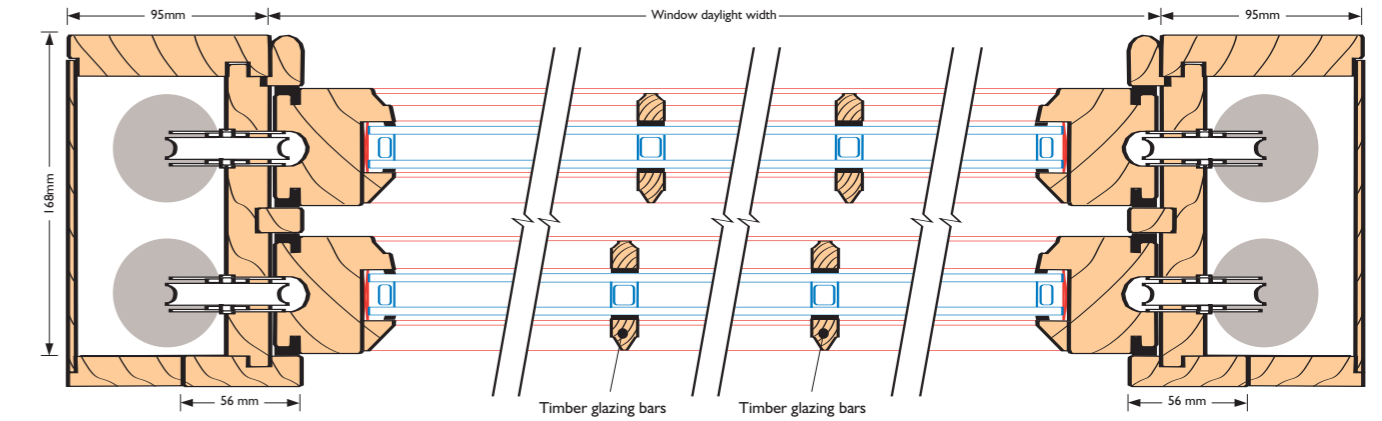
Pleasing proportions and aesthetic appearance

We recommend that products are fully factory finished as this ensures total product coverage and consistent film thickness. It also eliminates the possibility, which arises with on-site application, of overpainting the weather-stripping which may impair both its effectiveness and the smooth sliding action of the sashes.



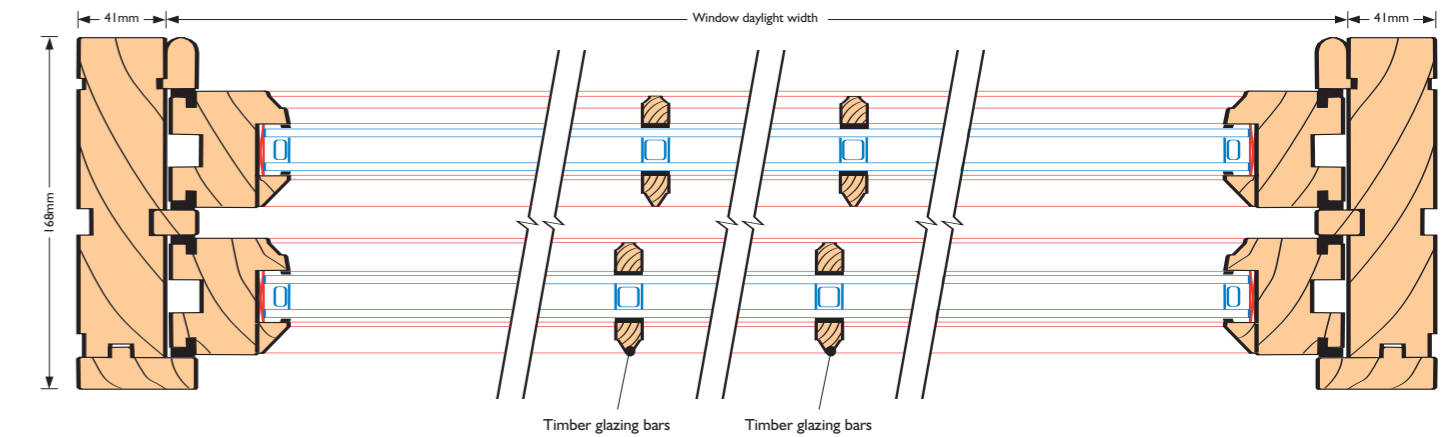
Vertical Section

Horizontal Section - Cord and Weights



Horizontal Section - Cord and Weights

Horizontal Section - Spiral Balance



Notes:

- (i) Section drawings herein are not to scale.
- (ii) Where spiral balances are specified, the backs of sashes are grooved to accept the appropriate balance diameter.



A traditional style window made using modern manufacturing and finishing techniques



Ideal when needing to retain a building's original character

ALLAN BROTHERS

