



The Kinward™ sliding sash window system is manufactured using the finest quality timber and fittings including high performance spiral balances. Our narrow meeting rail and plant-on bar design provides the look of original single glazed sashes, whilst utilising double and triple glazing with modern weatherseal technology for ultimate performance. The offset sash feature of the new Kinward™ offers incredible weather beating performance.

Key Benefits

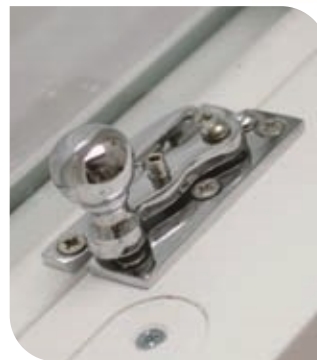
- Multiple weatherseal detailing for greater weather performance
- Spring balance mechanism provides a slimmer section profile to increase through light
- U-values (for the whole window) lower than 1.25W/M²k achievable (where specified)
- 28mm double glazed units for improved energy and acoustic performance. Triple glazed option available
- Tilting facility as standard. Allows cleaning of external panes of sashes combined with tilt restrictors to provide up to 30 degrees of tilt
- Weights and pulleys option available to meet stricter conservation specifications
- 44mm meeting rail and 19mm plant on bar to mirror appearance of original single glazing
- Extended liners available as an option for deep reveals
- Certified to BS7950 Enhanced Security standards with Secured by Design certification available
- Available in both FSC & PEFC softwood and hardwood options



10 year guarantee on spiral balance and weights and pulley running gear



Sash horns to bottom sash available upon request (not available with tilt option)



Traditional fitch catch option for authentic feel



Double tilt facility as standard for cleaning



Kinward™ sliding sash window features

The standard features of our Kinward™ window system include:

BEADING	Internally beaded as standard, externally beaded as an option. Puttyline beading is used as standard, with 'new' Ovolo, Half Ovolo and Lambs tongue mouldings available as options.
CILL OPTIONS	Flush, stub, standard and extended cills are available.
DRAUGHT PROOFING	All windows are supplied with white draught proofing to painted colours and brown draught proofing to stained windows unless a specific colour (white or brown) is specified using high quality weatherseal technology. The Kinward has a double rebated systems with multiple weatherseals to provide the highest protection against wind and rain.
FRAME TIMBER	FSC or PEFC certified. European softwood and a range hardwoods available.
SASH TIMBER	FSC or PEFC certified. European softwood and a range hardwoods available generally in laminated profiles
GLAZING	Designed to accommodate a 28mm unit, 4mm clear outer panel, 4 mm clear inner with a low emissivity coating to one panel to comply with Part L of the Building Regulations. Units are glazed in a GGF approved factory glazing facility using kite marked double glazed units. 28mm Triple glazed option available.
IRONMONGERY	Gold, white satin and polished chrome ironmongery options are available.
LOCKING	Single sash cam lock (with two used for sash sizes over 800mm). Night ventilation position optional. Fire escape (egress) achievable with larger frame sizes (please enquire). Sliding restrictors available in brass or chrome.
MANUFACTURING STANDARDS	All windows are manufactured to exceed BS644. All joints are glued and pinned with corrugated fasteners.
PAINT FINISH	Fully Factory finished as standard (incorporating one base coat and Two white top coat, or one base coat stain and Two top coat stain). RAL colours are available at additional cost (request our standard colour range for further information).
PRESERVATION	All timber products are supplied with factory applied Boron preservative treatment. This provides a 35 year guarantee against rot and fungal attack assuming maintenance and care advice is followed. As a very low VOC and water based preservative system, it is significantly more environmentally friendly than traditional vacuum impregnated solvent based treatments.
TOLERANCE	SPS Timber will manufacture products to customers' specified order size. If required, it is recommended that customers ensure a fitting tolerance is specified at time of order.
VENTILATION	1nr or 2nr white trickle ventilation per window located in the frame head. Any frame below 900mm wide can have a maximum 1nr trickle vent. Any frame 900mm and above can have either 1nr or 2nr trickle vents. In areas of mobility cord control vents are available.
WEATHER PERFORMANCE	When tested in accordance with BS6375 part 1, the following results were obtained: Air Permeability 600pa; Water Tightness 300pa; Wind Resistance 2400pa.

U-VALUES

Our Kinward window has a U-value which can range from **1.2** up to 1.6 w/m²k depending upon the glass and frame configuration. All values are based upon a standard 800mm x 1500mm window size.

MIN/MAX MANUFACTURING SIZES

Spiral Balance	Width		Height		Sash weight (Kg)
	Min	Max**	Min	Max**	Max
Overall Frame Size	500	1500	400	3000	50

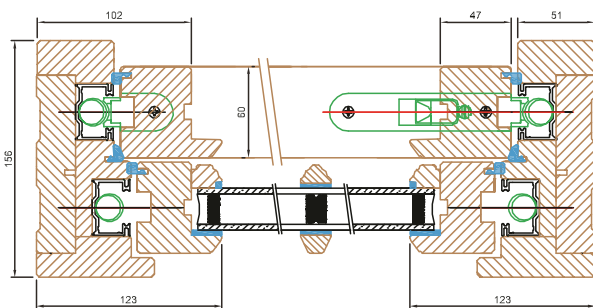
**based on max height window

Maximum overall height and weight per sash shown based on a double opening sash window. Note that maximum width can increase if height is reduced assuming weight per sash remains constant.

Weights & Pulleys	Width		Height		Sash weight (Kg)
	Min	Max**	Min	Max**	Max
Overall Frame Size	500	1500	900	3000	80

All dimensions shown in mm **based on max height window

HORIZONTAL CROSS SECTION



DATASHEET

Kinward™



SECTION DETAILS

