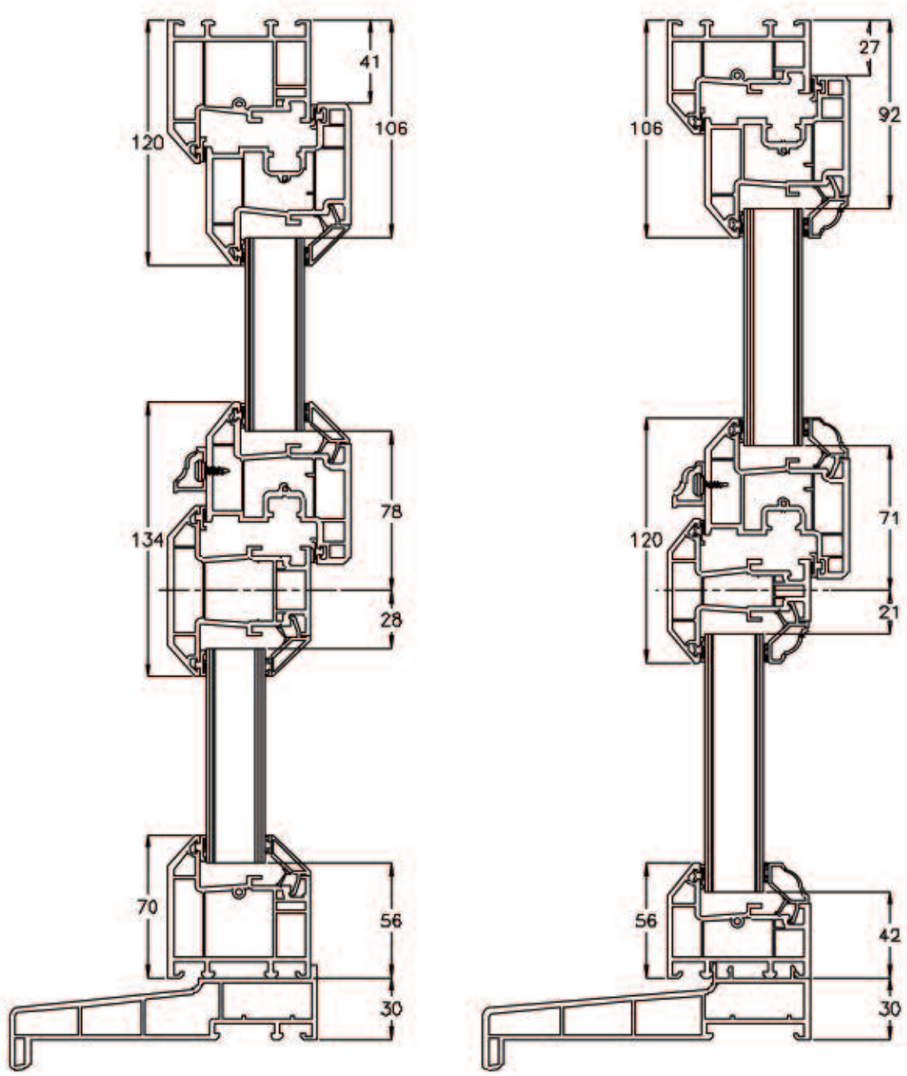
ECLIPSE Technical data sheet No 5 – VERTICAL SLIDING SASH

Windows • Doors • Conservatories

ECLIPSE

Typical cross section

Large and small sashes shown



Key Features List

- 146.5mm or 133mm frame depths to
- match existing box sash applications
- Small and large sashes allow a variety of sightline permutations
- Sculptured design to match traditional aesthetic lines
- Internally beaded
- Deep Bottom Rail option for additional authenticity
- Top and bottom sashes tilt inwards for ease of cleaning, subject to size limitations
- Traditional surface mounted Georgian bar arrangements
- Traditional hardware design and functionality
- Sculptured horn detail
- Optional travel restrictors
- 24mm sealed unit depths
- Installed in conservation areas
- Unique coupling nut system enables products to be fixed to each other quickly and securely

Manufacture

Each frame is designed to fit a specific aperture and is individually fabricated in accordance with the survey instructions and within pre-specified size parameters. The sashes are fusion welded to ensure a strong weather resistant joint. If the Deep Bottom Rail option is used, this is mechanically joined within the sash. The outerframe is fusion welded at the top and mechanically joined to its integral sill at the bottom. Where fusion welds are made, excess weld sprue can be mechanically or manually removed to leave a neat corner finish. Precise fixing of hardware is consistently achieved by the use of precision made jigs. Metal reinforcement is used in accordance with the detailed fabrication manual supplied by WHS Halo.

Applications

The Vertical Sliding Sash is an authentic replacement for traditional timber sash windows. Whilst preserving the aesthetic façade of traditional Georgian buildings, the Vertical Sash Window has the proven benefits and low maintenance appeal of a PVCu window. They are suitable for low and medium rise buildings and have been accepted in conservation areas.

Operation

Sashes are easily raised and lowered by using the sash lift and ring pull handles.

The tilt operation (where applicable) is used by moving the tilt latch knobs on the sash inwards and easing the sash into the tilted position, where it is held in place by a dedicated stay. To return to normal operation, the tilted sash is raised into the vertical position and the tilt latch knobs click into place in the outer frame.

Security

In the closed position the sashes are locked into place by a traditional cam catch arrangement. Cam catches can be key lockable for additional security.

Hardware Options

The old weights and pulleys of timber sash windows are replaced by sophisticated spring and spiral balances for reliable operation and longevity.
The cam catches, sash lifts and ring pull hardware are available in gold, chrome and white finishes.
Travel Restrictors are also available. These prevent sashes being raised more than approximately 100mm without de-activation of the Travel Restrictor, which is allen key operated.

Profile Finishes

The Vertical Sliding Sash window is available in White only.
For complimentary white infill panels and finishing trims the recommended colour references are RAL 9010 OR NCS 0502-414R.

Cleaning and Maintenance

PVCu is not affected by airborne pollution, salt, ozone or acid rain. In order to maintain the superior appearance of Eclipse products, frames should be wiped down with a mild liquid detergent as required.

Proprietary brands of glass cleaners may also be used. The use of abrasive cleaning agents is not recommended as it may result in damage to the surface finish of the PVCu and/or the glass.
On an annual basis lubricate all pivot points sparingly with light machine oil.
In coastal areas it is also recommended that grease is regularly aplied to the spiral balances to prevent corrosion and staining of PVCu profiles.