Metal Technology

System 6
Vertical Sliding Window

The Metal Technology Thermally Broken Vertical Slide Window has been designed in such a way that it's attractive and clean lines will enhance all types of residential and commercial property.

Introduction
As with all Metal Technology systems, the vertical sliding window system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.

Scope
This specification defines materials, construction, finishes, glazing and size limits for the System 6 vertical sliding window.

Materials
Aluminium profiles are extruded from aluminium alloy 6060T6, T5 or T4 complying with the recommendations of BS EN 12020-2 / BS EN 755-Parts 1 to 9. Where sections have a thermal break, this is polyurethane.

Finishes
The range of sections can be provided in either of the following ranges of finishes:
1. Anodised to BS EN 12373-1 or BS 3987
2. Powder organic coated to BS 6496 or BS EN12206-1

Construction
Frame members are generally square cut (jamb bars have a 5° mitre at the bottom). Corners are assembled with stainless steel screws driven into grooves in the sections. All frame joints are sealed during construction against entry of water. Woven woolpiles and glazing gaskets are provided to resist the ingress of water.

Glazing
The system can accommodate both 6mm single glazed and 24mm double glazed units. Wrap-around “U” gaskets are fitted around the glass and then the sash frames are assembled around the glass.

Installation
Detailed installation instructions are provided within the System 6 Vertical Sliding Window Manual which should be strictly followed.

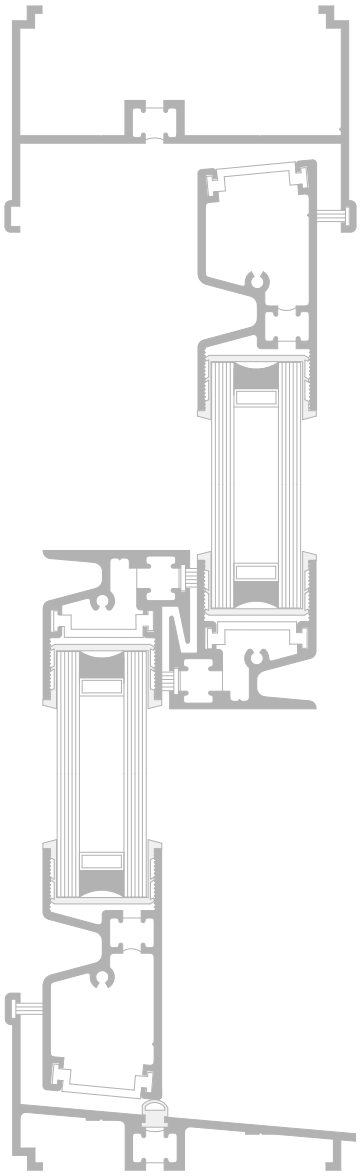
Vertical Slide Fittings
Sliding sashes are designed to be hung on spiral spring balances. These are designed to support the sash in any designated opening position. At the meeting rail the sashes are secured by means of a sash lock and keep. On windows over 1000mm wide two sash locks and keeps should be fitted.

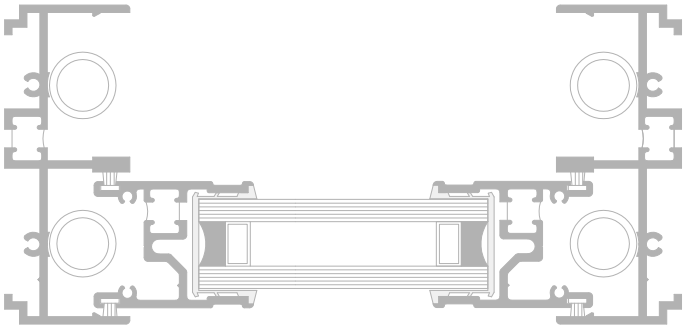
Maximum Size Limits
Size limits are generally dictated by the weight of the sash, however as a general principal none of the following limits should be exceeded. (Where a window is close to any of the maximum limits Metal Technology should be consulted).

Max Window Width	Max Window Height	Max Sash Weight
1500mm	2500mm	43Kg

Performance
All windows are designed to provide Class II weather tightness as defined by BS 6375 pt.1 and BS 4873. Should increased performance be required a deeper cill and bottom rail are available. Please consult our sales desk for information.

Development
Our policy is to continually research the market for new and improved products. We must therefore retain the right to amend specifications without prior notice. It is recognised at Metal Technology that in some instances special sections may be required for particular projects. When this occurs it may be possible to produce special sections subject to there being sufficient quantity and adequate time.





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