



Ultimate Flush Sash Casement Technical Specification

JohnFREDERICKS

MANUFACTURERS OF

*the*ultimate[®]
collection

PVC-u Profile

- Halo System 10 70mm bevelled or Rustique 70mm ovolo including flush sash
- Standard outer frame 56mm high / optional 72mm
- Full welded transoms and mullions
- Steel reinforced to manufacturers specification
- Variable bay poles available plus standard 90°
- Mitred internal bevelled/ovolo beads (depending on outerframe selection)
- French casement option available including 70mm ovolo floating mullion.

Colours

- Scan QR code to see our extensive colour range
- Sprayed to RAL colour of choice



Handles

- Standard – White key locking handle
- Optional colours – Black, Chrome, Gold, Graphite, Bronze, Antique Black, Satin
- Monkey Tail or Tear Drop handles available in Antique Black, Chrome, Gold, Graphite
- False peg stays to match Monkey Tail or Tear Drop handles available in Antique Black, Chrome, Gold, Graphite

Locking and Hinge System

- Shootbolt-espag. 2 bidirectional cams, 2 or 4 roller cams (dependant on sash size), 2 shootbolt locks
- 2 metal anti-jemmy hinge bolts
- Yale high security fire escape/easy-clean hinges fitted as standard to all side-opening windows
- Optional Tristay fire escape/easy-clean hinge with built in restrictor
- Optional Mega Hinge (useful for heavy side-hung sashes when using triple glazing)

Glass Unit Options

- Standard 28mm double glazed to U value 1.4
- Optional 32mm triple glazed to U value 1.1 (bevelled bead only)
- Black warm edge spacer bar
- Optional White or Grey warm edge spacer bar

Glazing Options

- Clear or patterned glass
- Range of lead lite patterns
- Internal 18mm or 25mm Georgian bar
- Ali-lock clip on Georgian bar inside and out (bevelled externally, bevelled/ovolo internally based on bead selection)

Ventilation

- When specified 2500/4000 trickle vents can be fitted to the top of large outer frame only (not available through flush sash)
- Optional concealed trickle ventilation canopy (top of large outer frame only)

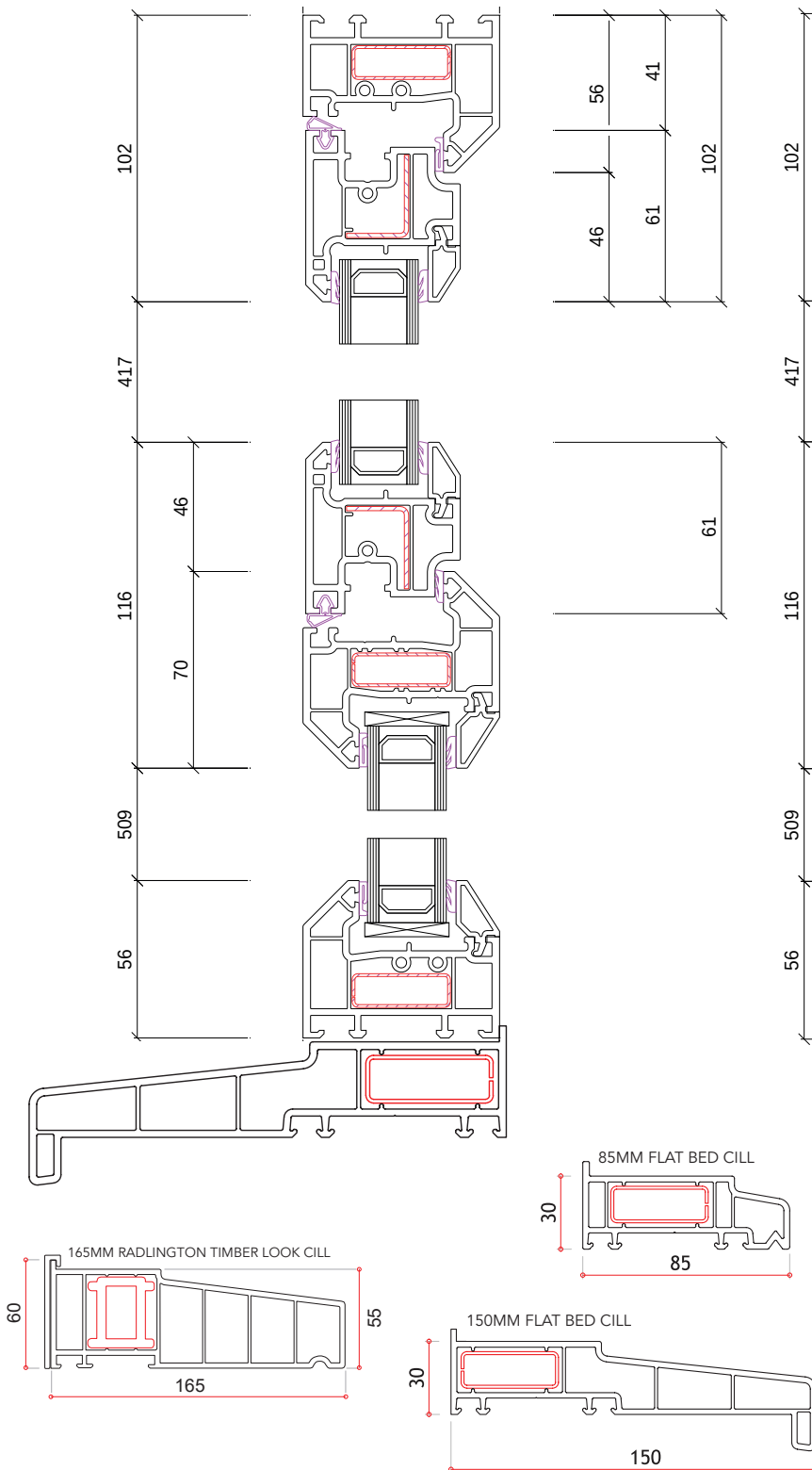
Accreditations

- BS7412 Weather Performance KM 36014
- PAS24 Enhanced Security KM 36015

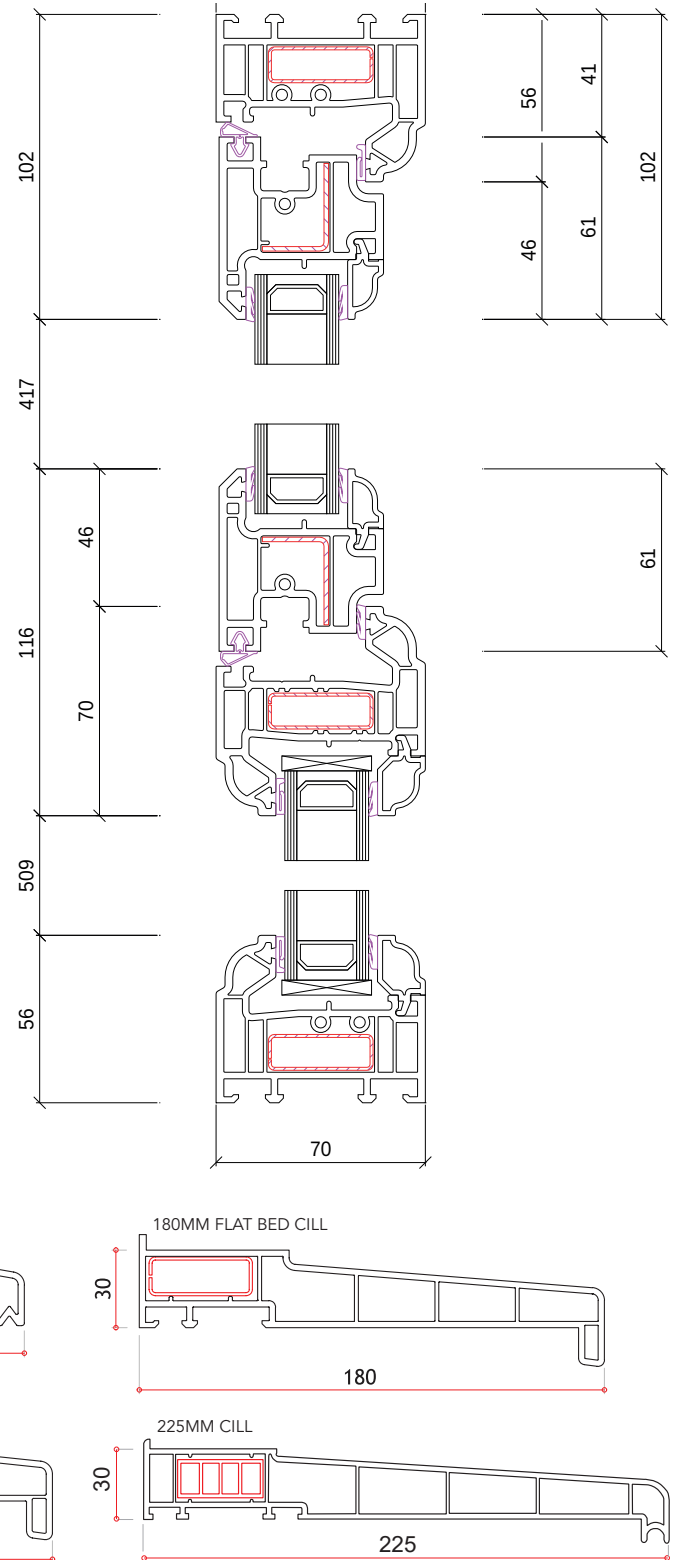
ULTIMATE FLUSH SASH CASEMENT - TYPICAL SECTIONS

Outward opening internally beaded | Bevelled or Ovolo profile | All measurements in mm

System 10 Flush Sash (bevelled)



Rustique Flush Sash (ovolo)



Side Hung Sash max width (Mull-Mull) 650mm

Side Hung Sash max height (Mull-Mull) 1350mm

Top Hung Sash max width (Mull-Mull) 1250mm

Top Hung Sash max height (Mull-Mull) 1250mm

Minimum Fanlight depth (O/Frame-Trans) 329mm

Weight Restrictions

Standard hinges will be changed for heavy duty hinges when the weight of the sash exceeds the limitations of standard hinges.