



## Ultimate System 10 Bevelled Casement Windows Technical Specification

JohnFREDERICKS

MANUFACTURERS OF

*the*ultimate<sup>®</sup>  
collection

### PVC-u Profile

- Halo System 10 70mm bevelled including rebated 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 beads (optional ovolo beads)
- French casement option available including 66mm 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 (used for triple glazed side hung sashes or extra wide sashes up to 900mm – maximum weight limits apply)

### Glass Unit Options

- Standard 28mm double glazed to U value 1.4
- Optional 36mm 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
- Bevelled Ali-lock clip on Georgian bar outside and bevelled or ovolo inside based on bead selection

### Ventilation

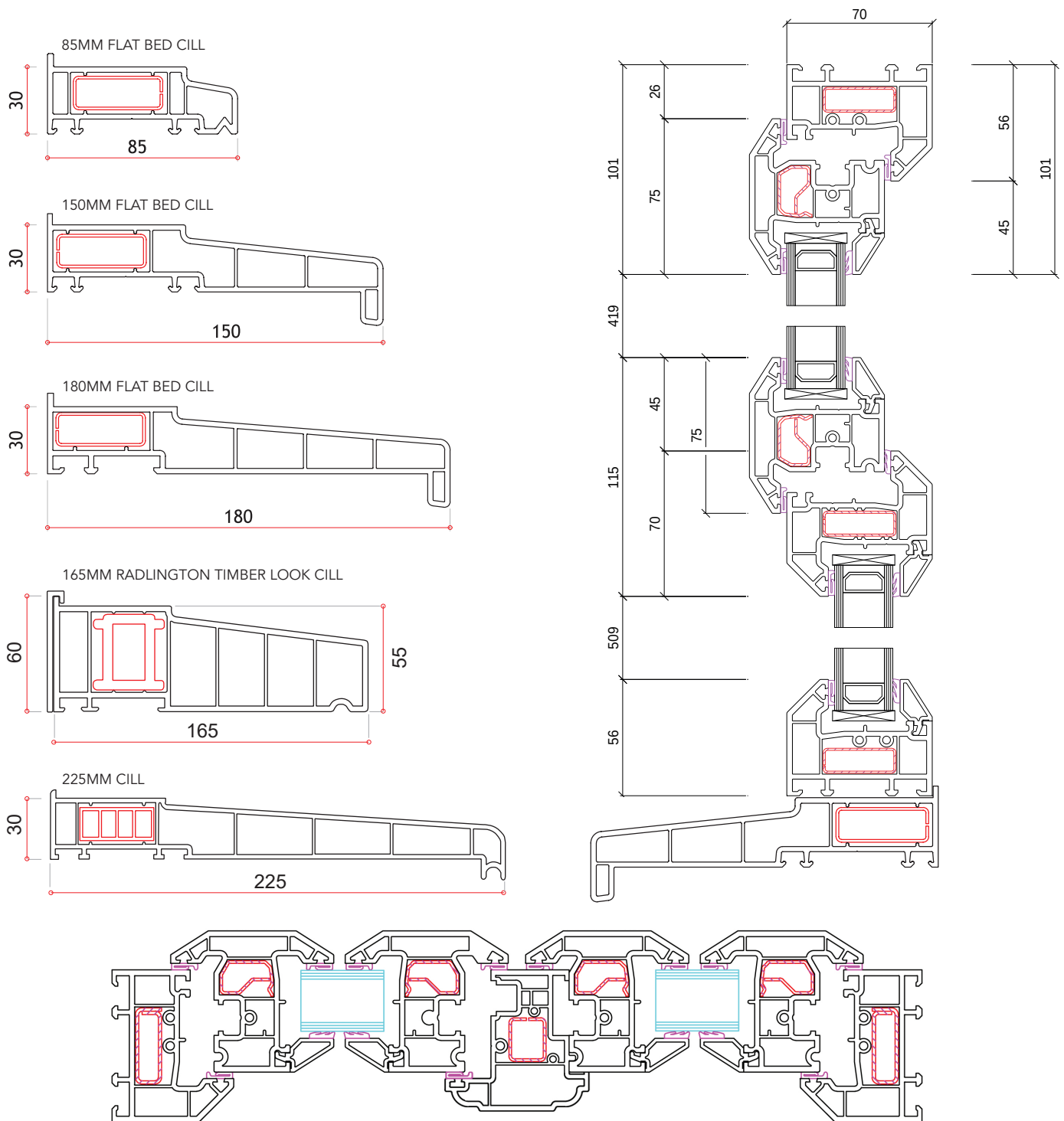
- When specified 2500/4000 trickle vents can be fitted to the top of the window opener or top of large outer frame
- Optional concealed trickle ventilation canopy (top of large outer frame only)

### Accreditations

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

# ULTIMATE SYSTEM 10 BEVELLED CASEMENT WINDOWS - TYPICAL SECTIONS

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



FRENCH WINDOW HORIZONTAL CROSS SECTION

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

Top Hung Sash max width (Mull-Mull) 1450mm

Side Hung Sash max height (Mull-Mull) 1450mm

Top Hung Sash max height (Mull-Mull) 1050mm

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.

## Using Heavy Duty Hinges

Top Opener Max 1450mm wide x 1550mm high (50kgs)  
 Side opener Max 750mm wide x 1450mm high (24kgs)  
 (Side Opener Max 900mm wide using DGS Mega Hinge)