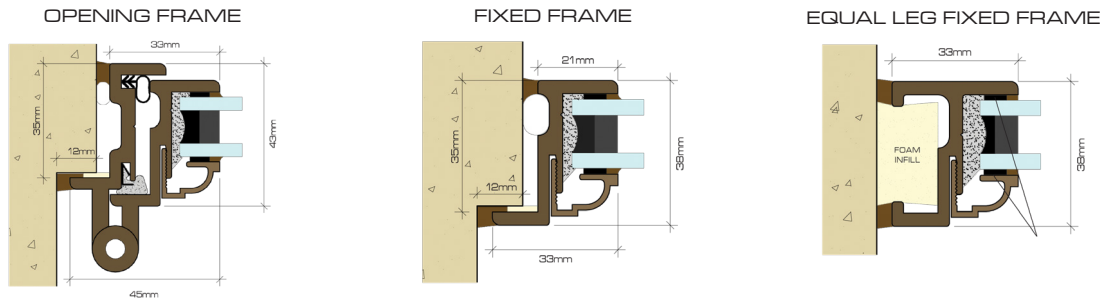


# architectural BRONZE CASEMENTS

## ADVANCED SYSTEM DATA SHEET

The Advanced System is a traditional solid metal casement incorporating a decorative bronze bead that secures the glass in place, resulting in a particularly attractive profile viewed from the outside. The frame incorporates double weather seals and will accept sealed double glazed units up to 18mm with applied lead, and up to 20mm without. A range of decorative ironmongery complements the handcrafted, bespoke nature of the product.



### DIMENSIONS

Frame depth	38mm
Fixed light sightline (internal)	21mm
Opening casement sightline (internal)	33mm

### FEATURES

Suitable for side and top hung casements and fixed lights.  
Optional glaze bar detail for traditional Georgian panes.  
Optional trickle ventilation.

### STRENGTH, WIND, WATER AND SECURITY

The tests below are carried out on side-hung outward opening windows measuring 1650mm x 600mm and are tested excluding any additional security features.

**BS 6375 Part 1: 2009**  
Performance of windows and doors.

Wind	Water	Air	Exposure Category
2000 Pa Class A5	250 Pa Class 6A	600 Pa Class 4	2000

**EN14351 Part 1 Clause 4.8**

Load bearing capacity of safety device tested to principles of EN14609:2004 | Pass

### RECOMMENDED DESIGN LIMITS

Side hung casement	Max O/A width	650mm
	Min O/A width	300mm
	Max O/A height	1700mm

Area of side hung casement must not exceed 1.105m<sup>2</sup>. Casements over 1100mm high will require 2 handles. Where width is greater than height, casement sash must be top hung.

Top hung casement	Max O/A width	1200mm
	Min O/A width	300mm
	Max O/A height	500mm
	Min O/A height	300mm
Fixed lights	Max O/A width	1200mm
	Max O/A height	2400mm

The inclusion of glazing bars, trickle ventilation, opaque glazing and abutment details may alter performance data and design limits. Please contact our sales team to discuss any requirements outside of the standard size limits detailed above.

### U-VALUE

U-value performance based on an 18mm double glazed unit made up of 4mm float/10mm 90% Krypton filled cavity/4mm Planitherm total + with warm edge spacer:

Fixed casement overall value	1.6W/m <sup>2</sup> K
Opening casement overall value	1.8W/m <sup>2</sup> K
Centre pane value	1.1W/m <sup>2</sup> K

When incorporating a genuine Georgian bar add 0.4 to the U-value.

U-values calculated in accordance with BS EN ISO 10077-1:2006 based upon a single fixed light sample 1230mm x 1480mm and a single opening light sample 1230mm x 1480mm. Inclusion of glaze bars, trickle ventilation or equal leg will affect performance. Worst case system value 2.7W/m<sup>2</sup>K based upon single opening equal leg casement 1230mm x 1480mm with glaze bar and trickle ventilation.

### PART Q SECURITY

Tested with scroll handles, plain back plates, manor stays and Part Q casement locks. Below test carried out on windows measuring maximum 650mm x 1700mm.

Side opening and fixed casements. | Pass