

# CLASSIC FUTURES

Optio 58BW ST / ST HI  
Heritage Windows Collection



# THE HISTORY OF HERITAGE WINDOWS



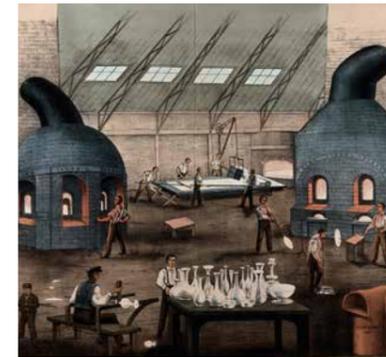
## 1600s

Leaded light windows were commonplace among the wealthy, a style still used in stained glass windows today.



## 1700s

The Renaissance movement saw wrought iron casements and leaded glass windows gradually replaced by narrower windows.



## 1770

Plate glass was introduced, allowing for larger glazed areas to be created.



## 1850

Wrought iron production was considered too expensive, making way for steel windows designed to replicate the iron aesthetic.



## 1940 - 1950

The post-war period saw a housing construction boom, and developments in the aircraft industry made aluminium readily available and a viable alternative for window construction.



## 1920 - 1940

Steel windows became a popular choice for industrial buildings, though they required heavy maintenance and were often draughty.



## 1920

The Art Deco movement had far-reaching influence in architecture, fashion and art - including the introduction of colour in steel frames.



## 1890

Saw growth in the Arts & Crafts movement, during which iron windows became popular again.



## 1990 - TODAY

Aluminium has become a popular alternative to traditional steel windows, replicating the heritage sightlines while providing better thermal performance. Powder coating technology means that modern aluminium frames are virtually maintenance-free and are a more affordable option for replacing ageing steel windows.



## VINTAGE BEAUTY MODERN BENEFITS

Introducing our aluminium Heritage Window Collection. Offering you all the style and elegance of steel windows; with the energy-efficiency, acoustic performance, and security of modern windows.

Whether you are replacing original steel frames in a conservation area or restoring your property to its former glory, choosing aluminium will give you stylish design options, an accessible price, and higher energy ratings for a warmer home.

**ALUK HOME** ENHANCING YOUR LIFE



# AT A GLANCE

## OPENINGS

Available in a full range of opening options; from open out, side hung, top hung, and bottom hung, to French casement, fixed light and multi-light.

## AESTHETICS

We offer a wide range of internal and external aesthetic styles. Stepped Edge, Square and Putty Line options can really make any project look modern or traditional.

## GLAZING OPTIONS

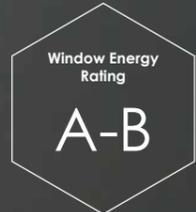
Every project is different, which is why our systems allow for both internal and external glazing options. We also offer glazing add-ons to suit heritage style applications such as Georgian bars.

## EXCEPTIONAL PERFORMANCE

Thermally improved to meet new building regulations our Heritage system is an A-rated window and achieves an impressive A-B Window Energy Rating (WER). With low U-Values of 1.4 W/m<sup>2</sup>K for double glazing and 1.1 W/m<sup>2</sup>K\* for triple glazing, it can improve the overall energy performance of your home.

## SAFE AND SECURE

You can rest assured that our Heritage system will help keep your home safe. Fully accredited by the Secured by Design scheme, and certified by PAS 24, the industry safety standard, it provides superior security.



\*Refers to PART L Compliant variant



## MEET THE COLLECTION

While the differences may seem subtle, choosing the right style of sash and frame for your property can hugely impact its overall appearance, making your home look authentically heritage, traditional, or modern, depending on your choice of sash and frame.



### STEPPED EDGE

The 'stepped edge' heritage aluminium sash has been designed to replace heritage steel frames in both industrial and residential properties built from the turn of the century to the 1960s.



### PUTTY LINE

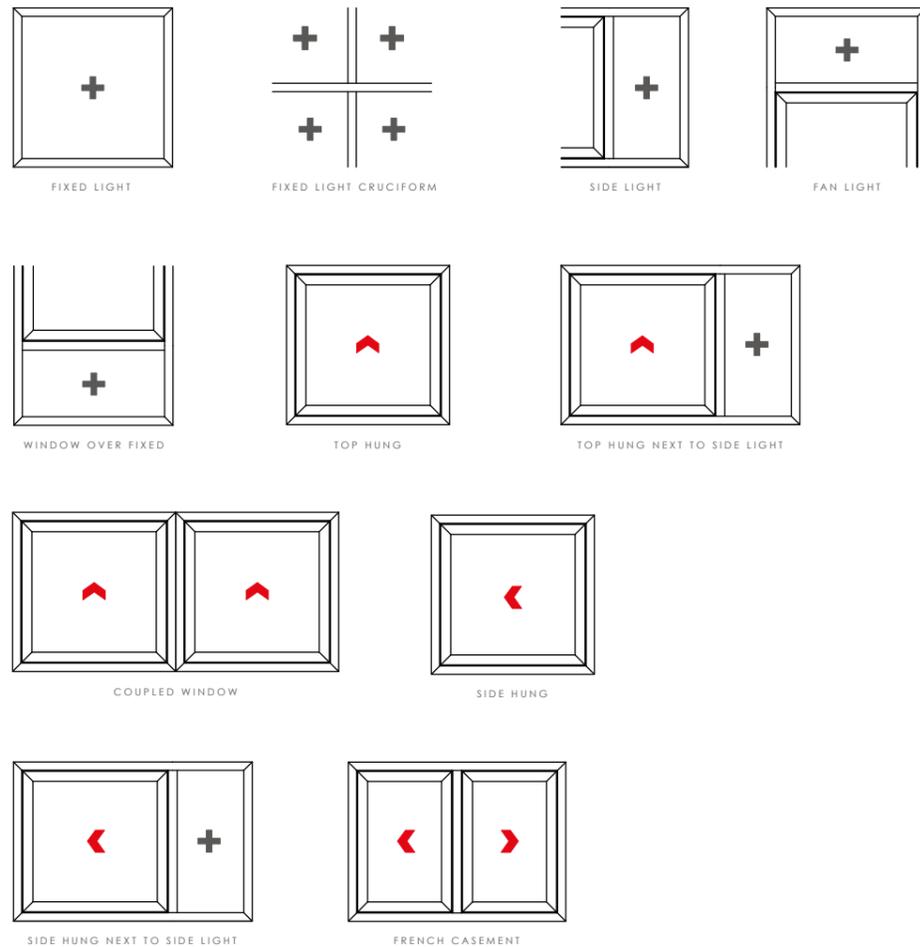
The authentic heritage 'putty line' sash features a classic 45 degree chamfer, designed to replicate the visual appearance of traditional period steel windows.



### SQUARE

The beautiful simplicity of the square sash makes it a popular window choice for homes with stone or timber mullions, capturing the mid-17th Century style of wrought-iron windows.

# CONFIGURATIONS



## DESIGN FEATURES

- Secured by Design accreditation
- Certified by PAS 24
- Green Guide A-rated
- Unique polyamide thermal break design to improve thermal performance
- Slim sight-lines to mimic existing steel windows
- Internally beaded for ease-of-glazing on high-rise projects

## OPTIONS

- 58mm or 70mm frame depth to accommodate varied types of applications
- Glazing 24mm – 32mm
- Available internally or externally glazed
- Available in a range of single or dual colour and anodised finishes
- Available in the following aesthetics; Putty-Line, Stepped Edge, Square, Exterior Glazed Chamfer
- Available in the following configurations; top hung, side hung, bottom hung, fixed light, multi-light and French casement
- Accommodates standard hardware

# TECHNICAL DETAILS



## PERFORMANCE AND ACCREDITATION

	Outward opening	Outward opening
U-value (double glazing)	1.4 W/m²K	1.5 W/m²K
U-value (triple glazing)	1.1 W/m²K	1.2 W/m²K
Window energy rating (WER)	A - B	A - B
Green guide rating	A rated	A rated
Acoustic performance (dB)	Rw (C;Ctr) 43 (-2;-5) dB	Rw (C;Ctr) 43 (-2;-5) dB
Air tightness (Pa)	Class 4 (600 Pa)	Class 4 (600 Pa)
Water tightness (Pa)	Class E1500 (1500 Pa)	Class 9A (600 Pa)
Wind load (Pa)	Class E2400 (2400 Pa)	Class E2400 (2400 Pa)
Security	PAS 24	PAS 24
3rd party certification	Q-mark	Q-mark
Secured by design	Yes	Yes

## CONFIGURATIONS

	Open out	Open out
Opening		
Top hung	✓	✓
Side hung	✓	✓
Bottom hung	✓	✓
Fixed light	✓	✓
Multi-light	✓	✓
French casement	✓	✓

## SIZE LIMITS

Top hung (max weight)	40 Kg	35 Kg
Side hung (max weight)	24 Kg	26 Kg
Bottom hung (max weight)	-	-
Fixed light (max weight)	250 Kg	250 Kg
Minimum Height	336mm	250mm
Maximum Height	1436mm	1400mm
Minimum Width	336mm	300mm
Maximum Width	1436mm	1400mm

## SYSTEM FEATURES

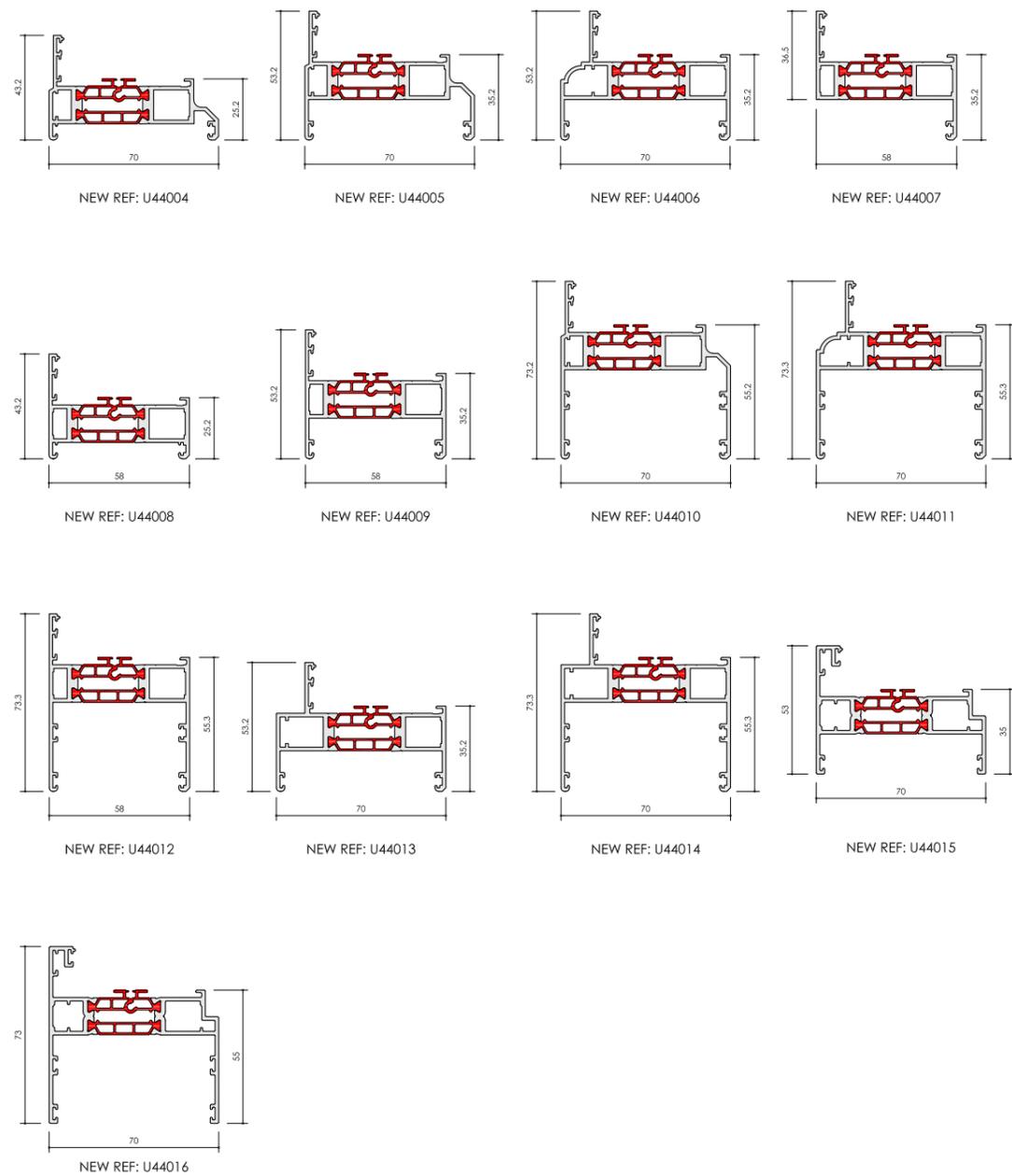
Frame depth	58mm and 70mm	58mm and 70mm
Dual colour option	✓	✓
Multi-point locking	✓	✓
Glazing options	Internal and external	Internal and external
Glazing thickness	24mm - 32mm	25mm - 28mm
Sight-line (Frame to Vent)	66mm	66mm
Sight-line (Vent to Mullion)	81mm	79mm
Sight-line (Fixed Light)	43mm	43mm

## AESTHETICS

Putty Line	✓	✓
Stepped Edge	✓	✓
Square	✓	✓
Exterior Glazed Chamfer	✓	✓

# HI FRAME PROFILE 58MM

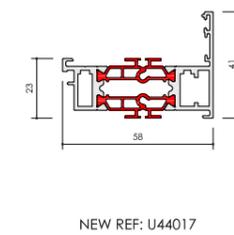
## OUTER FRAME



## MULLION / TRANSOM



## FRAME REVERSER



# STYLE YOUR WAY

Personalise your project with the addition of glazing bars. Unlike traditional steel windows which feature many small panes of glass in one window, modern aluminium steel replacement windows achieve this traditional effect whilst still using only one pane of glass. Helping to improve energy efficiency, whilst retaining the windows' heritage style.

## **ASTRAGAL BARS**

Our Heritage window system can be paired with either horizontal flat astragal bars to achieve an Art Deco look, or butted astragal bars in a crossed or matrix formation for a traditional look. This compliments both older pre-20th Century homes, or country and cottage style properties.

## **GEORGIAN BARS**

Seamlessly fitted to the inside of the window's sealed double or triple glazed unit, these stylish bars give the classic appearance of separate panes of glass but with a smooth surface.

BUTTED ASTRAGAL BARS



HORIZONTAL ASTRAGAL BARS



# MADE TO BE SEEN

There are many glazing options to suit the style of your home, all combining the benefits of double or triple glazing with the high performance of our aluminium frames.

As well as standard clear glass for a timeless look, you can choose from square leaded glass and diamond leaded glass to suit your property's style.

SQUARE LEADED



DIAMOND LEADED



# FINISHING TOUCHES

Our hardware range of contemporary and traditional handles provide a stylish look, utilising modern technology to ensure secure, high performance windows that are built to last.

All handles are available in deep black, hipca white and satin chrome finishes. We also offer options for cills and bay poles for bay windows.

# COLOUR FULL

The AluK Colour Collection combines high-quality colour ranges reflecting both the latest colour trends and the enduring classics within the market.

## ELEMENTS

Our stylish matt colour range features 18 vibrant RAL options in a smooth finish. Inspired by the diversity of nature, Elements offers the perfect combination of rich colours and versatile shades that will compliment any style of property.



## HOMESTEAD

Inspired by traditional and period design, our timeless Homestead range offers a classic palette of tranquil neutrals and deep, cool hues.

Combining the charm of the past with a modern, durable finish, Homestead has 14 tasteful RAL options to discover, all in a long-wearing textured finish for windows and doors.



