

*imagine*

Vertical Slider



Modern Performance |  
Traditional Styling



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# *form* meets function

The Imagine Vertical Slider carries all the beauty of a design classic, combined with the latest industry thinking.

The Imagine range was created to bring the VEKA and Halo range of products closer together, uniting them under a single product offer. So far we have seen the launch of the Imagine Bi-Fold Door and more recently the PAS 24 Patio Door. The latest addition to enhance the Imagine range is our next generation Vertical Slider.

Vertical Sliders are amongst the most coveted window styles, not only due to their aesthetics, but also due to their historical association with style and wealth. They are of course the default choice for heritage buildings, addressing the need to replace draughty hard to maintain windows with those that bear a close resemblance, but can withstand the demands of modern living.

We are also seeing a rise in Vertical Sliders being specified in luxury new build developments, as architects and designers recognise not only the elegance of this traditional style, but also its superior ventilation performance. Colour has been introduced, providing an interesting modern twist and hardware has become an art form, underpinned by an underlying strength and security.

The new Imagine Vertical Slider holds a host of impressive features that not only add to its good looks, but also enhance the performance of the product as well as ease of fabrication and installation. From a fully sculptured 146mm outerframe and sculptured sash, to a co-extruded chamber, to an intelligent approach to coupling, these are just a handful of the many clever details that work together to create the most technically advanced Vertical Slider on the market.

# In high demand

The Vertical Slider is enjoying a great revival, not just in heritage properties, but as a design choice in modern homes too. This is a promising shoot of growth in the midst of a relatively flat market.

Latest figures show that the sales of Vertical Sliders to the Home Improvement market increased by 32% to now take 10% market share of frames at 443,000 and this figure is predicted to keep rising.\*

75% of windows are now replacements of replacements and homeowners are giving more consideration to their choice, willing to invest in enhancing features such as style, hardware and colour.

We are also seeing this trend within our own manufacturing, with over 40% of VEKA Vertical Sliders now foiled and around a third of those foiled both sides.

This brand new product offers all of the options demanded by today's consumer, together with the performance benefits of PVCu, giving you the perfect opportunity to compete in this attractive high value, high growth market.

\*Palmer Market Research 2017





# Let's start with the *frame*



A sculptured 146mm outerframe and sculptured sash frame provide the look of timber, with all the benefits of PVCu. Balanced, slim sightlines and a square travel stop cover, maximise light and provide an elegant timber-like aesthetic. Whilst the interlock between the top and bottom sash increases weather performance and security, providing customers with peace of mind.

Glazing: 28mm is the standard glazing option, but 32mm can easily be accommodated with alternative beading.



A sculptured outerframe and sculptured sash frame provide the look of timber, with all the benefits of PVCu.



Balanced, slim sightlines and a square travel stop cover, maximise light and guide the eye down the profile.



The option of mechanical joints to both sash and outerframe adds to the timber-like aesthetic.



An interlock between the top and bottom sash increases weather performance and security.



A flush fitting outerframe sits against existing plaster line, eliminating the need for trim or notching of plaster.

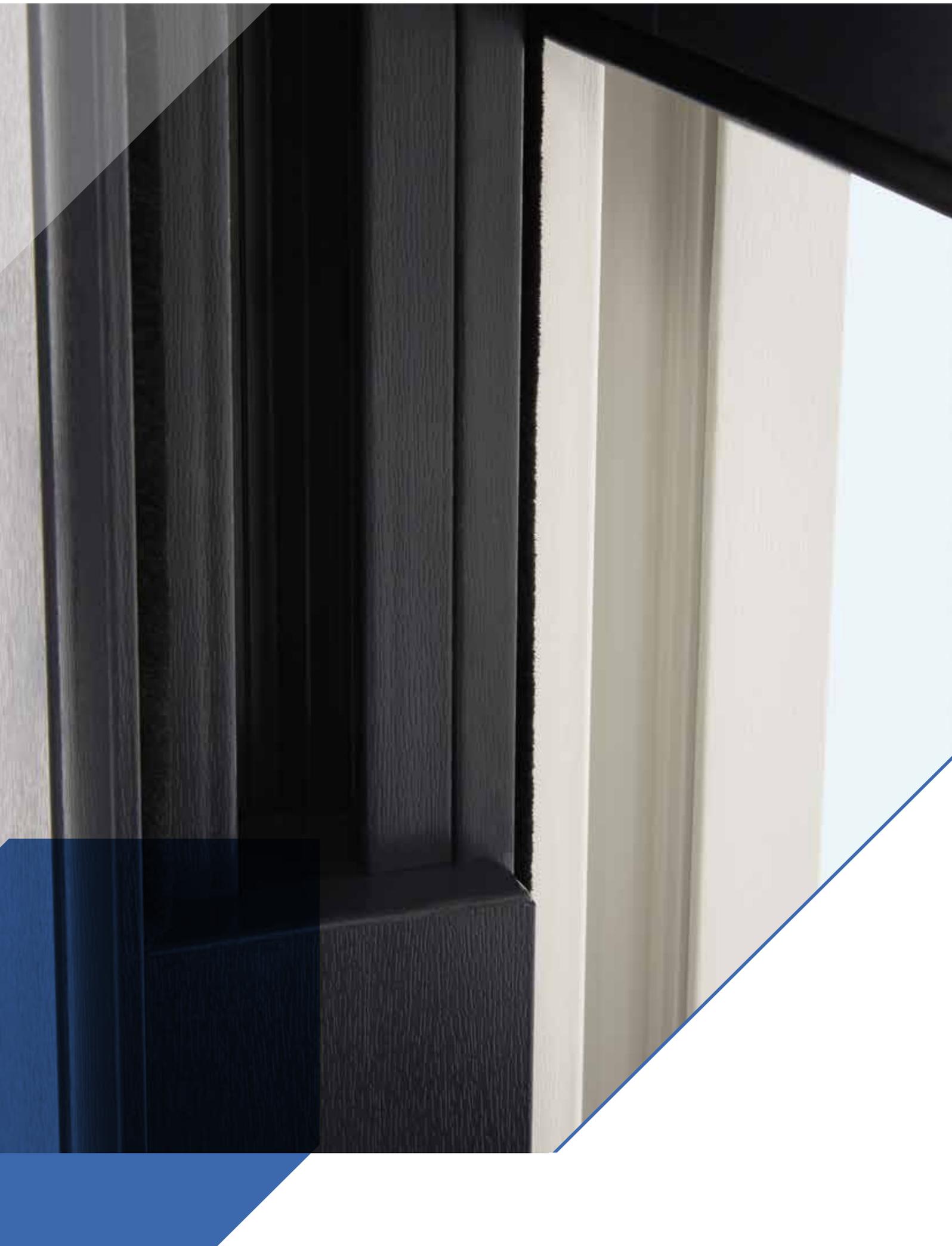
# Two choices of *cill*



For a flawless look and a heritage feel, there are two choices of cill, 155mm stub or 200mm, giving your customers more choice. The 200mm cill provides more fitting options such as hanging tiles or deeper cavities. It also removes the need for a frame extension and standard cill combination.



The option of a cill bead not only enhances weather and security performance, it looks great too.



# Dream in *colour*

The demand for laminated product is growing, offering not only increased sales opportunities, but also the case-study type projects we all dream of. The Imagine Vertical Slider has been developed with intelligent features that make the fabrication of laminated product, simpler and more cost effective.

The outer balance chamber is co-extruded in a black finish on all colour combinations, which means there's no need to mask and paint during fabrication. Time is saved, quality defects are reduced and the finish is more durable and professional.

It also makes a striking point of difference, complementing the gaskets and glass bar perfectly, even on a light coloured frame.



When working with a product that has a different colour and / or texture on the interior and exterior faces, the frame infill makes the two meet beautifully.

# Clever little details



Every functional detail has been considered. Tilt arms move freely without the risk of catching the outerframe, due to a greater clearance in the design, that doesn't impact on balance and sightlines.

A square bead makes fitting the cam catch keeps nice and easy.



A coupling nut can be used as an alternative and simpler way to connect profiles. This 'invisible' fixing sits between the outerframe of each window so there's no need to drill through the visible frame. A concealed coupling cover finishes the job off nicely, both inside and out.



When using frame to frame coupling screws, the frame infill can be used to conceal screw heads. Simply remove the frame infill for access.



A complementary bespoke cill coupler has been designed for a precise fit and ease of installation. Also the same reinforcement is used for the outerframe and cill for less stock holding.



## Contemporary, classic *or heritage*

After performance, style is paramount. The new Imagine Vertical Slider has a range of optional features to create a contemporary, classic or heritage look, ensuring that the windows remain sympathetic to the building's age and character and increasing the number of applications and sales opportunities.

Sculptured Georgian bars, a choice of sash horn, the option of a deep base rail and the ability to add a woodgrain texture can all be used to create a number of authentic styles. Although there are design constraints associated with a building's exterior and its surroundings, personal style can be freely expressed by choosing a different coloured foil for the interior, complemented by an extensive choice of hardware.



## Optional Features



### Georgian Bars

Available in two depths:  
9mm or 11mm



### Deep Base Rail

A deep base rail  
adds authenticity.



### Colour and Texture

Choose from woodgrain  
textured or smooth colours  
from our Variations range.  
Matching mouldings  
are essential for a  
professional finish.



### Sash Horns

Run through – flush



### Sash Horns

Run through – lipped



### Sash Horns

Plant – on



Two types of bay pole can be used; either fixed 90 degree or variable angle, to accommodate a variety of configurations

# Classic

Many traditional British buildings include bay or bow windows within their architecture. In creating the Imagine Vertical Slider, ease of coupling has been considered by the introduction of a coupling nut. Two types of bay pole can be used; either fixed 90 degree or variable angle, to accommodate a variety of configurations and the inclusion of two cill options caters for different structures of masonry.

# Contemporary

The window's simple, symmetrical appearance lends itself to a contemporary style, perfect for luxury new builds. The co-extruded chamber comes into its own when a two tone window is chosen, (different interior and exterior facing foils), particularly when working with high contrast combinations such as anthracite and white. A black chamber on a cream frame gives a contemporary edge to a traditional design.





With the Imagine Vertical Slider outerframe, you have the opportunity to use constant force balance springs which are competitively priced and allow you to offer shorter lead times

# Hardware

A quick release tilt arm and pivot bar arrangement means that you can separate sashes for ease of installation and movement on site. Tilt restrictors limit movement when tilted inwards for easy cleaning. Sash restrictors limit upward movement of the bottom sash for safety, and secured ventilation.

# Style

## ERA hardware

The combination of high quality balances, gearing and a choice of hardware gives you the option of a standard or PAS 24 compliant security window supported by a lifetime mechanical guarantee. Twin springs provide assisted lift and smooth, easy operation as the dual action of the torsion and tension springs work together to give ERA balances their unique attributes.

Beautifully crafted Fab&Fix hardware completes the look, with a choice of over ten perfectly matching finishes you can tailor the window to your specific requirements. Each piece of hardware is engineered for enhanced strength and durability, whatever your style preference and each one is finished in the Hardex coating for exceptional resilience and durability.

## Caldwell hardware

Celebrating 130 years in business, Caldwell is one of the world's biggest and most respected hardware suppliers. Caldwell offers a vast and ever-growing product range that includes the highest performing class balances, capable of delivering 85% mechanical lift, as well as an extensive array of spiral balances, hybrid balances and other class-leading components with the option of PAS 24 compliance. Caldwell's outstanding product is backed by 32 engineers with over a century of sash window expertise between them.



# High performance

## Quality and Security

It goes without saying that all our products meet all the expected quality accreditations, but more importantly to us, they also meet the exacting standards of our in-house quality team.

As you would expect, Imagine Vertical Sliders have been rigorously tested to meet the appropriate British Standards for security and weather performance. We have performed these tests using a selection of standard hardware from ERA and Caldwell. Full details of the performance levels achieved will be published on our website after the next Kitemark release.

The Imagine Vertical Slider has been tested to both BS 6375 parts 1 and 2 for weather performance, as well as operating and strength characteristics, together with PAS 24 enhanced security performance requirements. Please contact a member of our Technical Team for test reports.



## Thermal performance

The Imagine Vertical Slider is A rated as standard and achieves A+(12) at its top specification. Calculations for U-Values and Energy Ratings are in the table below.

Ask a member of our Technical Team about VEKA Group's window and door energy performance calculator – a BSI notified and BFRC certified tool. The calculator is unique to each fabricator and their products and allows for the generation of accurate SELs/DSELs in accordance with the BFRC and notified U-Values for CE Marking in accordance with EN 14351.

Product Specification	Reinforcement	Imagine Vertical Slider	
		Energy Rating	U-Value
Double Glazed Best Rating	Full Steel	A+ (11)	1.4
Double Glazed Best U-value	Full Steel	B (-9)	1.3
Triple Glazed Best Rating	Full Steel	A+ (12)	1.2
Triple Glazed Best U-value	Full Steel	C (-18)	1.1

# A+(12)

standard achieved by the Imagine Vertical Slider at its top specification

# Ex-Stock colours

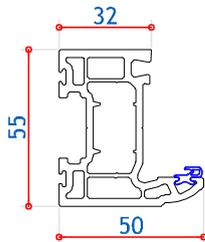
See the VEKA Group Variations colour range for all smooth and textured colour options

Colour	Sides	Base	Ref	RAL Colour
Agate Grey	1	White	Agte	7038
Anthracite Grey	1	White	Anth	7016
Anthracite Grey	2	White	Anth	7016
Anthracite Grey Smooth	1	White	Anth#	7016
Beck Brown	1	White	Bck	8022
Brilliant White	1	White	BWhite	9016
Brilliant White	2	White	BWhite	9016
Chartwell Green	1	White	CGrn	-
Cream	1	White	Crem	9001
Cream	2	White	Crem	9001
Golden Oak	1	White	GOak	8001
Golden Oak	2	Caramel	GOak	8001
Light Ivory	1	White	Llvy	1015
Pebble Grey	1	White	Pbbl	7032
Rosewood	1	White	Rose	8015
Rosewood	2	Brown	Rose	8015
Silver Grey	1	White	Silv	7001
Slate Grey	1	White	Slte	7015
White	1	White	White	9010
White	2	White	White	9010

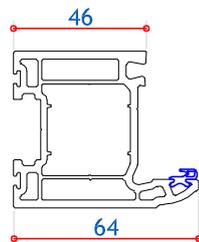
All colours have a Black co-ex (RAL 7021).



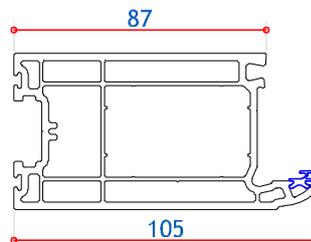
# Main components & Ancillaries wallchart



**105032**  
50mm Upper Sash  
Steel Box 113020  
Aluminium Box 115010



**105033**  
64mm Lower Sash  
Steel Box 113314  
Aluminium Box 115275



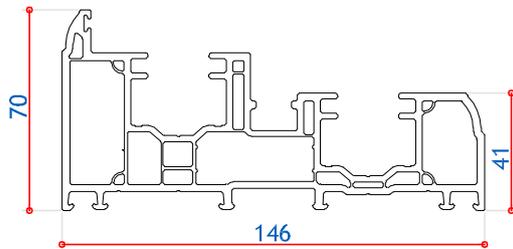
**105034**  
105mm Lower Sash Bottom Rail  
Aluminium Box 115287  
Steel Box 113020



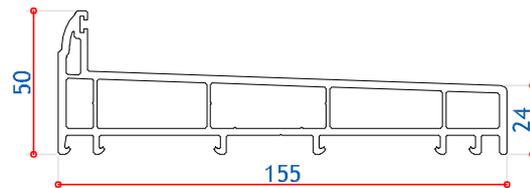
**107169**  
Sculptured Glazing Bead



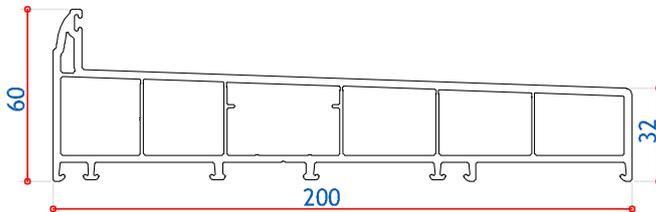
**107118**  
Square Glazing Bead



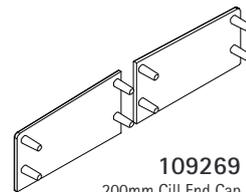
**105411**  
70mm Outer Frame  
Steel Box 113073



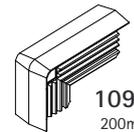
**105037**  
155mm Cill Section  
Steel U Channel 113321



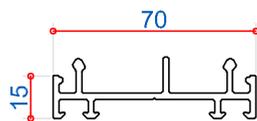
**105410** 200mm Cill Section  
Steel Box 113073



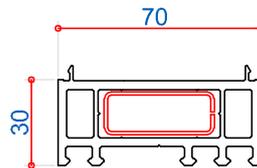
**109269**  
200mm Cill End Cap



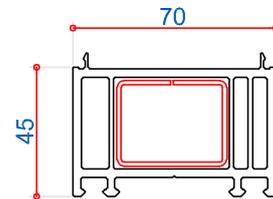
**109270**  
200mm Cill  
Straight Coupler



**114039** 15mm Frame Ext



**114014**  
38 x 15mm Steel Box 113073



**114202** 45mm Frame Ext  
38 x 30mm Steel Box 113271



**109603**  
VS Anti Racking  
Block



**109992**  
Upper Sash  
Packing Block



**115119**  
Aluminium Box  
Mechanical Joint 15.5 x 8



**115120**  
Aluminium Box Mechanical  
Joint 31.5 x 26.5



**115287**  
Aluminium Box  
Mechanical Joint 47 x 30



**105412**  
Bead Bar



**105413**  
Frame Infill With Brush



**105414**  
Frame Infill Without Brush



**112279**  
3.5mm Weldable  
Gasket



**112369**  
Bottom Rail  
Sealing Gasket



**112365**  
8.5mm Brushpile  
Seal



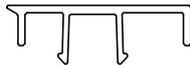
**112361**  
8mm Brushpile Seal  
(40mm lengths)



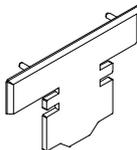
**143070**  
Spring Balance Draught Stop



**109043**  
Interlock Infill Bead



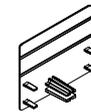
**105038**  
Sash Cover/Interlock



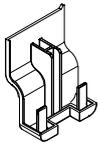
**109268**  
Sash Stop End Cap



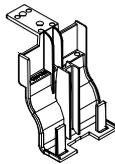
**109386**  
Clip In Packer



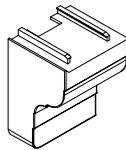
**109167**  
Profile Cover Cap



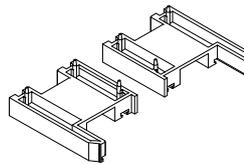
**109991**  
Integrated Sash Horn



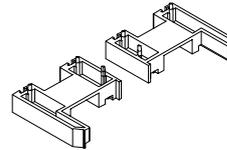
**109102**  
Lipped Sash Horn



**109990**  
Sash Horn Moulding



**109996**  
Mechanical Joint End Cap  
Lower Sash



**109092**  
Mechanical Joint End Cap  
Upper Sash



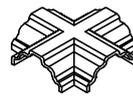
**709191**  
Georgian Bar



**709122**  
Georgian Bar



**709189**  
Georgian Bar



**709183**  
Cruciform Cover moulding  
for 709189 Georgian Bar



1mm x 16.5mm Tape  
(for 20mm Georgian Bar)  
744615.000100 White  
744615.001000 Black

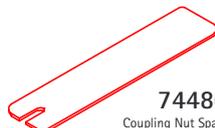


**116030**  
Concealed Coupler

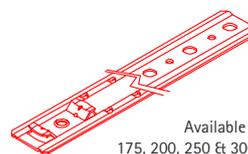
**744703**  
Coupling Nut



**709177**  
Coupling Nut Cover



**744801**  
Coupling Nut Spanner



Available sizes  
175, 200, 250 & 300mm  
**141428** Frame Fixing Bracket



**744540**  
Rivet Nut



**113020**  
Steel Box  
30 x 10



**113073**  
Steel Box  
38 x 12



**113314**  
Steel Box  
25 x 29



**113040**  
Steel Box  
25 x 25



**113321**  
Steel U  
Channel 38 x 12

**KEY:**

-  PVC
-  Gasket
-  Steel
-  Aluminium

**DO NOT SCALE**

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Large format  
wallcharts are  
available to  
download from  
[www.veka.co.uk](http://www.veka.co.uk)

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*imagine*

Our brand began with a vision.

To create inspiring living spaces that enhance the lives of people. Realising the potential of technology to create windows and doors that better lives. For the people that make them, for the people that fit them and for the generations of people that will enjoy them.

*imagine* is a VEKA plc brand.

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