

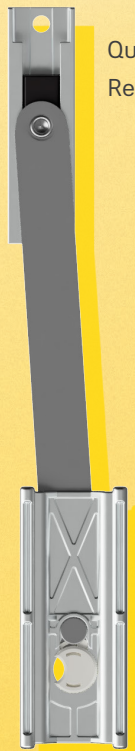


Yale

Vertex™

Tilt Restrictors

Perfectly engineered allowing users to choose between tilt modes to make cleaning and maintenance more convenient



Quick Release Tilt Restrictor



Standard Tilt Restrictor

- Designed for uPVC, Timber & Aluminium windows
- Options for a wide range of systems
- Yale branded hardware
- Constructed in high quality materials
- Included with the Yale Lifetime Security Guarantee
- Standard and quick release models available
- A size range to suit almost any window
- Suitable for sashes weighing up to 35kgs
- Suitable for Sashes between 315-1200mm tall
- Enables cleaning of external faces of sliding sashes

**10
YEAR**

**MANUFACTURERS
GUARANTEE**

Trusted every day



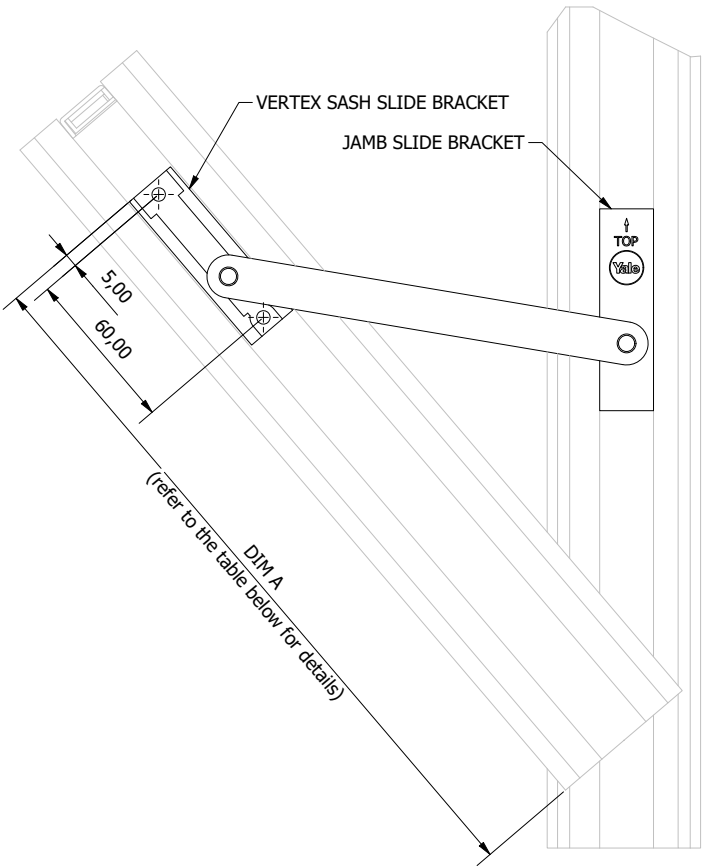
BS EN 1670:2007 Grade 4
(240 Hours NSST)



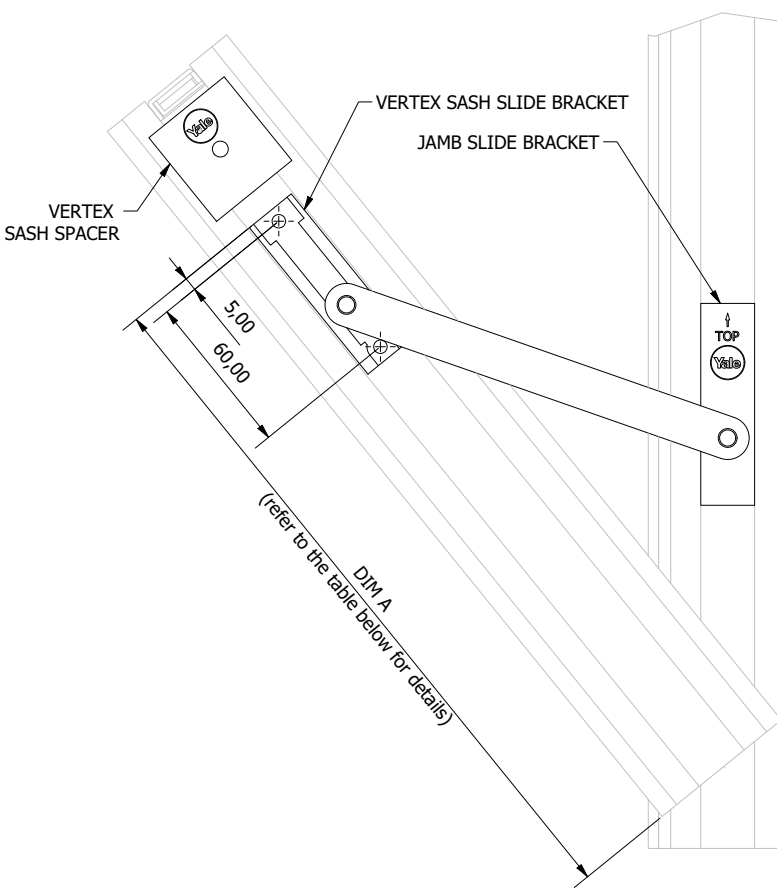
Product	Profile Sytem	Part code
Tilt Restrictor 150mm - Standard	Rehau - Spectus - Eurocell- Veka	YVSTR150
Tilt Restrictor 250mm - Standard	Rehau - Spectus - Eurocell- Veka	YVSTR250
Tilt Restrictor 350mm - Standard	Rehau - Spectus - Eurocell- Veka	YVSTR350
Tilt Restrictor 150mm - Quick Release	Rehau - Spectus - Eurocell- Veka	YVSTRQ150
Tilt Restrictor 250mm - Quick Release	Rehau - Spectus - Eurocell- Veka	YVSTRQ250
Tilt Restrictor 350mm -Quick Release	Rehau - Spectus - Eurocell- Veka	YVSTRQ350

Maintenance	The Vertex range of Tilt Restrictors are maintenance free. Where required surface cleaned with a damp cloth only and avoid using abrasive cleaning products. Please ensure the sash is free from any building materials and debris which could affect the mechanism.
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Sash without sash spacer



Sash with sash spacer



Sash Height	Restrictor Size	Dim 'A'	
		Without sash spacer	With sash spacer
Min 315mm Max 450mm	150	268mm	252mm
Min 451mm Max 650mm	250	395mm	352mm
Min 651mm Max 1200mm	350	495mm	452mm

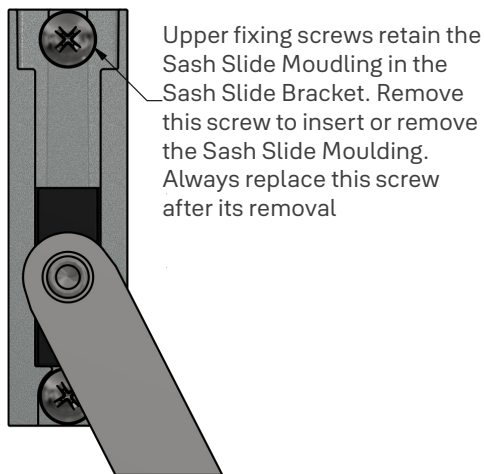
- See page 2 for system specific part code
- Dim 'A' applies to both Vertex Standard and Vertex Quick Release Tilt Restrictors
- Dim 'A' is for the complete sash height and should include the horn, if applicable. If spring loaded horns are fitted to the sash then DIM 'A' applies only to the sash height and excludes the horn
- Two Vertex Tilt Restrictors must be fitted to each tilt in sash (one each side) to achieve the sash height and sash weight performance quoted in this document and provide user safety
- Vertex Tilt Restrictors are designed for sash heights from 315mm to 1,200mm

- All Vertex Tilt Restrictors are suitable for sashes weighing up to 35.0kg
- A gap between sash and frame of between 2.5mm and 3.5mm on both sides is required for Tilt Restrictors to function correctly
- The Vertex Standard and Quick-Release Tilt Restrictors require the Jamb Slide Bracket to be fitted into the Window Frame Jambs either before frame welding or preferably via a machined access concealed behind the travel stops
- Standard Tilt Restrictors can be engaged and released via the Sash Slide Bracket (details on page 4) ensure access is possible post window installation
- Quick Release Tilt Restrictors can be engaged and released via the Quick Release Jamb Moulding (details on page 4) Ideal for deep reveal applications
- At anytime when the Tilt Restrictors are disengaged the window sash must be fully supported to prevent injury and potential damage to window and installation
- Vertex Tilt Restrictors are intended to support the weight of the sliding sash and enable cleaning of the external face of the slide sash

Standard Tilt Restrictor Release

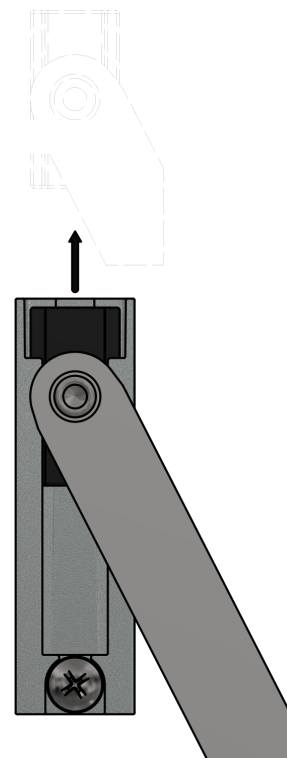
Fixing Detail

Use Ø4.8 (No.10) Pan head screw ensuring full engagement into profile reinforcement

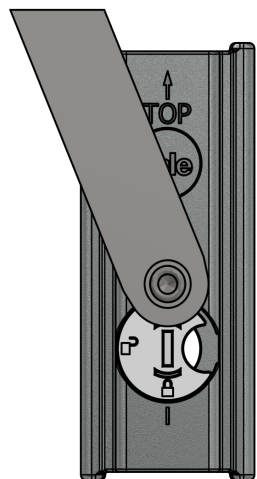


Upper fixing screws retain the Sash Slide Moulding in the Sash Slide Bracket. Remove this screw to insert or remove the Sash Slide Moulding. Always replace this screw after its removal

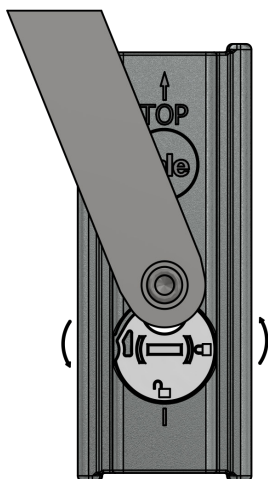
After removal of the upper fixing Screw the window sash should be gently pushed towards the vertical and the Sash Slide Bracket Moulding can be removed from the Sash Slide Bracket on both sides. The window sash is no longer restricted and must be fully support at all times until the Sash Slide Mouldings are re-engaged and secured in the Sash Slide Brackets



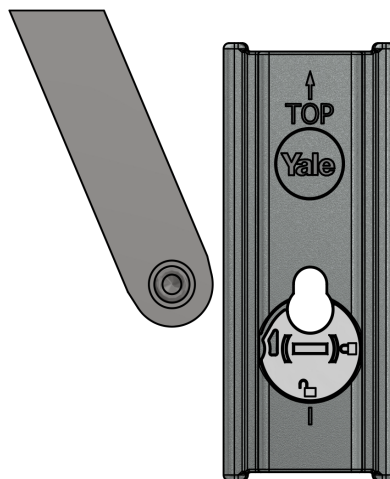
Quick Release Tilt Restrictor Release



Quick Release Jamb Slide Moulding shown in the 'locked' position and the Tilt-In Bar fully retained



Quick Release Jamb Slide Moulding rotated to the 'unlocked' position using a flat ended screwdriver. Once completed on both sides the Tilt-In Bars can now be removed from the moulding by extracting the rivet head through the now enlarged access hole and lifting the Jamb Slide slightly as necessary. Whilst doing this process remember that the sash is no longer restricted and must be fully supported by the user at all times to prevent injury and potential damage to window and installation.



The Tilt Restrictor shown released. To re-install the Tilt Restrictor first re-fit the round rivet end into the larger diameter formed by the Jamb slide Moulding. Then push the Jamb Slide Bracket downwards enabling the Quick Release Jamb Slide Moulding to be rotated 90° anti-clockwise, again using the flat ended screw driver, to fully retain the Tilt Restrictor in position. Complete this operation on both sides of the sash, the sash can now be rested on the Vertex Quick Release Tilt Restrictors again.

Packaging

Standard Restrictors Boxed in 100's

Quick Release Restrictors Boxed in 100's

Material Specification

Stainless Steel

Reinforced Nylon

High-Performance Zinc

Acetal Resin

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Due to a continuous programme of development the company reserves the right to make alterations without notice. (Products which are not a stocked item will be subject to a longer lead time which needs to be agreed with your Yale representative)