

A large purple geometric shape containing the title text. The background of the entire page is a collage of images related to window and door hardware, including close-ups of hinges, a view through a window, and door handles, all arranged in a diamond pattern.

Window & Door Hardware

Range Overview

Meet The Team

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Testing & Quality Control

In the competitive world of manufacturing, ensuring the highest quality of products is paramount.

One of the key pillars of our quality assurance process is the rigorous testing that all products undergo before reaching our customers. At the heart of this testing process lies Titon's state-of-the-art testing and quality control facility based at our factory in Haverhill, Suffolk.

Titon's stringent testing ensures the quality of bought-in products which Titon can confidently pass on reliable products and components to its suppliers and ultimately to its customers.

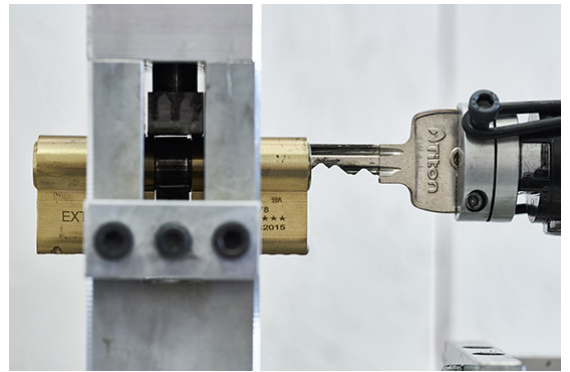
Our testing process is a multi-step procedure designed to scrutinise every aspect of the bought-in products. It includes:

- Performance Testing
- Durability Testing
- Accelerated Corrosion Testing
- Safety Testing

This commitment to quality maintains Titon's sterling reputation for delivering products that enhance comfort, safety and at a competitive price.

titon.com/area24

DESIGNED AND
TESTED IN THE **UK**



Titon Hardware 10-Year Extended Warranty

Titon Hardware now offers a 10-year extended mechanical warranty on a range of its hardware products including window restrictors, hinges, espagnolette locks, handles, vents and letterplates.

Available on eligible products, the warranty offers repair, replacement or credit in the unlikely event of a mechanical fault. To qualify, products must be professionally installed and properly maintained.

This initiative gives customers lasting confidence that Titon's hardware is built to perform for a decade and beyond.

For full details, contact technical@titon.co.uk

New Products

Key Releasable Restrictor Window Safety Restrictor

Titon's Key Releasable Restrictor is a safety device engineered to limit the opening of window sashes to approximately 100mm.

This restrictor can be temporarily released (de-restricted) to allow full window access for cleaning or maintenance purposes.

Part K of the Building Regulations states that window restrictors are legally required in buildings where individuals who are at risk – such as children or those requiring care – have access to windows situated at a height that could lead to injury. Restrictors must ensure that window openings in these settings do not exceed 100mm.

- Four variations available: 4", 6", 8" & 10"
- Easy to fit – no profile routing required
- Can be de-restricted to allow for maintenance or cleaning
- Keys available separately
- Can be retrofitted
- Austenitic stainless steel for improved corrosion resistance
- Suitable for aluminium, PVCu and Timber windows
- Covered by Titon's 10 Year Extended Mechanical Warranty.



Terminus High Quality, Robust Security espagnolette

High quality, robust security multipoint locking espagnolette with mushroom cams for side hung and top hung applications, designed for profiles with or without eurogroove.

Available in a range of lengths with one backset and two cam heights. The Terminus espagnolette is compatible with all standard espag handles with 43mm fixing centres and a 7mm square spindle and is capable of achieving PAS24.

- Size range 205mm to 1400mm (1600mm Sash rebate)
- Salt spray tested to 480 hours BS EN 1670 (Grade 5)
- Stainless Steel gear for greater strength and durability
- PAS24 Compliant
- 'U' Channel Faceplate
- Alignment lines on the facebar assist with keep alignment, and a centre line helps with precise positioning
- 20mm backset
- Each locking point comprises one adjustable compression cam and one fixed security cam
- Profile related keep packer with steel top plate
- Non-handed espagnolette
- Covered by Titon's 10 Year Extended Mechanical Warranty.



DESIGNED AND
TESTED IN THE **UK**

New Products

Venture Restricted Friction Hinge

Standard duty friction hinge with added restrictor

The Venture friction hinge range is suitable for domestic applications on side or top hung windows.

Venture has been developed by Titon's experienced window fittings team and is tested to the latest hardware standards. All hinge dimensions and opening geometries have been calculated and designed to fit most window profiles.

The range includes Lo and Hi Stack height versions including top hung, side hung and Egress Easy-Clean.

The addition of the Tenure Hinge Security Guard enables the Venture hinge is to meet PAS 24 requirements when used within a compliant window system.

- Suitable for domestic and light commercial applications
- Adjustable and controlled friction for smooth operation
- Lo and Hi Stack heights
- Secured by Design Product
- Egress Easy-Clean version
- Additional arm available
- Free profile/selection suitability advice available from the Titon Technical Department
- Covered by Titon's 10 Year Extended Mechanical Warranty.



Hexalok™

High security multi-point lock for sliding doors

Titon's new multi-point lock boasts a centre hook bolt and FIVE additional mushroom cams providing extra secure locking and prevents lifting of the sliding doors. It also has unique Torx adjustment to security cams for increased cam strength.

Available in two versions for optimum cam positioning: Version A (Long) – locking cams spread further apart, and Version B (Short) – cam positions are more closely spaced.

Hexalok™ is supplied with standard cams, security cams (1mm less clearance) and 2mm spacers for increased cam height.

- Both sizes comprise five cams and centre hook bolt
- Supplied with x5 standard cams and x5 security cams (1mm less clearance) and 2mm spacers for increased cam height
- Torx adjustment to security cams for increased cam strength
- Removable lockcase for ease of maintenance
- Slotted fixing holes in lockcase allow flexibility of choice of handles
- Central alignment mark on faceplate and keep
- Use with Titon's one-piece satin anodised keep (sold separately)
- Rollers for Horizontal Sliding Doors available separately



Window Hardware

Friction Hinge Range

Standard, Heavy Duty Egress & Easy Clean

Titon's friction hinge range offers a variety of solutions from standard residential use through to heavy-duty and egress-capable applications.

At the lighter end sits the **Venture** hinge, aimed at domestic side-hung or top-hung windows, offering adjustable, smooth friction, multiple stack-heights, easy-clean/egress variants and compatibility with a security restricted option.

The **Adventure** hinge is intended for heavier or commercial sash applications, offering greater robustness while retaining controlled friction performance.

The range extends into more specialised variants such as **Securistyle Defender**, which caters to general domestic needs but offers versions with restrictors, egress/easy-clean options, improved weather sealing and high corrosion resistance via stainless steel.

For even heavier usage or demanding conditions (e.g. larger side-hung windows requiring emergency egress), the **Trojan Mega Egress** hinge is capable of true 90° opening and supports large sash weights over a wide width span.

Finally, for situations demanding high load capacity and optimal balancing, **Securistyle Sterling** provides a heavy-duty option with excellent weight carrying, self-balancing behaviour and robust materials.

Venture standard duty friction hinge



Adventure heavy duty friction hinge



Trojan Mega Egress



Securistyle Defender

Restrictors

Window Safety Restrictors

Titon's window restrictor range offers a comprehensive selection of safety products designed to limit window openings, enhancing security and compliance across various building applications.

The portfolio includes products suitable for side and top-hung windows, with options catering to different frame materials (PVCu, aluminium and timber).

Featured products include **Capture**, an automatically engaging spring-loaded restrictor; the **Key Releasable Restrictor**, which limits sash openings to approximately 100mm; and the **Reflex**, a face-mounted cable restrictor tested to BS and BS EN standards.

In addition to the core range is the **Res-Lok**, available in concealed open-out and tilt-turn variations; the **PN Lock Bar**, a surface-mounted restrictor/stay designed for ease of fit; and the **Maco Tech 100**, a 90-degree brake stay and restrictor for doors.

These products are engineered to meet stringent safety standards, ensuring reliable performance in both residential and commercial settings.

Capture Restrictor



Key Releasable Restrictor



Reflex



Maco Tech 100



Res-Lok



Window Hardware

Espagnolettes & Shootbolts

High Quality, Robust Security solutions

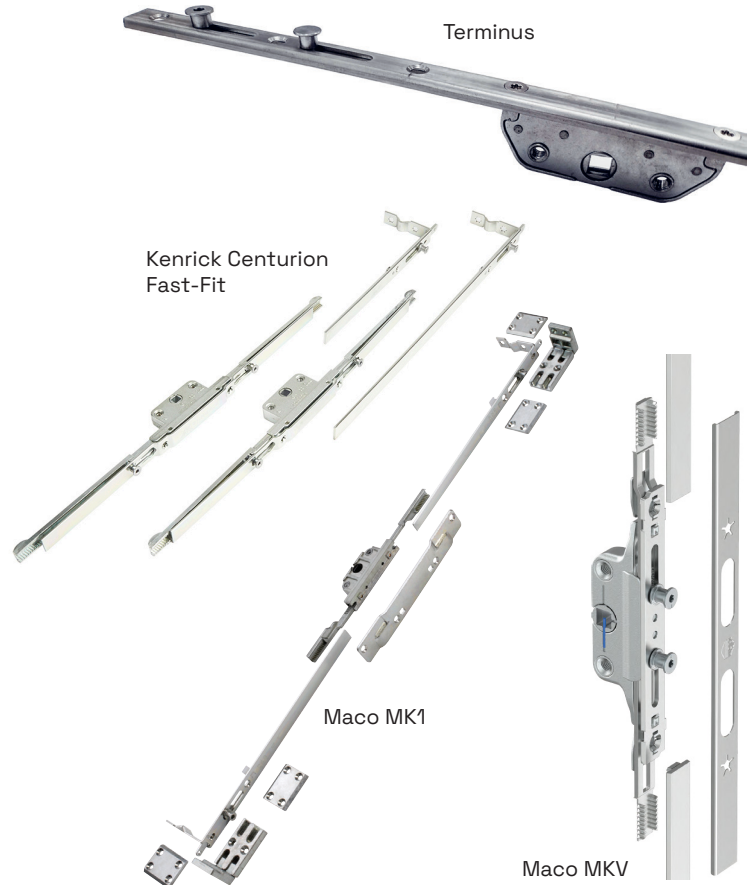
Titon's window locking hardware range offers a variety of espagnolette and shootbolt systems, with a focus on security, durability and ease of installation catering to a wide range of window types and security requirements.

The **Terminus** security espagnolette is designed to meet PAS24 standards with mushroom cams for side hung and top hung applications for profiles with, or without eurogroove.

For enhanced security, the **Kenrick Centurion** and **Centurion Fast-Fit** shootbolt espagnolette systems provide adjustable lengths and are constructed from robust materials, ensuring long-lasting performance.

The **Maco MK1** and **MK2** shootbolt espagnolette systems offer versatility with adjustable shootbolts and mushroom cams, suitable for both side-hung and top-hung applications. Additionally, the **Maco MK-V** shootbolt espagnolette system features a modular design with telescopic and croppable sizes, accommodating sash rebate sizes from 500mm to 1640mm.

The **Kenrick Excalibur** shootbolt espagnolette system delivers high security with a range of sizes and robust construction.

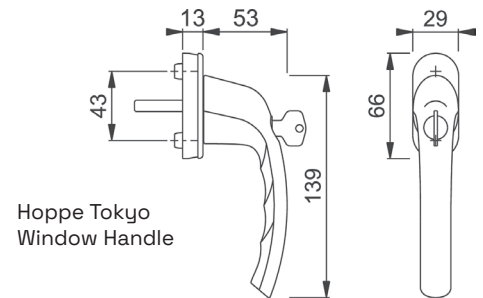


Tilt-first Lockable Window Handle

Espagnolette handle

HOPPE aluminium lockable tilt/turn window handle with TBT1 operation:

- Locking mechanism: turn cylinder, reversible key, lockable in the 90° position
- Partial cover cap
- HOPPE solid spindle



Hoppe Tokyo Window Handle

Overture E

Espagnolette handle

- Ergonomic design; solid and sculptured grip
- Straight or handed versions
- Non-locking and fire escape retrofit options
- 90 degree lock movement for easy recognition
- Double entry key
- Push-in screw covers
- Supplied with machine screws
- 15mm, 25mm, 30mm or 40mm x 7mm spindle options available



Door Hardware

Overture Door Handle & Letterplate

- Tested to over 100,000 cycles
- In excess of 480 hours salt spray testing (Polished chrome, PVD gold and powder painted finishes only)
- Short (211.5mm) and long (240mm) baseplate options
- Sprung handles
- Supplied with two spindle lengths and two colour co-ordinated screw lengths as standard



Overture Stainless Steel Door Handle & Letterplate

- Tested to over 100,000 cycles
- Both internal and external handles and screws are manufactured in SS304 stainless steel
- Polished and brushed finishes
- All finishes tested in excess of 480 hours salt spray testing - Grade 5 BS EN 1670
- Exceeds 1000 hours salt spray testing with no effect on function and no corrosion to the visible substrate
- Long (240mm) baseplate
- Colour coordinated screw heads



Asterion II - 3 Star Cylinder

Profile cylinder

- Kitemarked to TS007 3-Star rating
- Designed to attain PAS 24 with standard handles
- Tested to BS EN 1303:2015
- Reduced vulnerability of door lock manipulation
- Strengthened support to sacrificial slot adding stability during fabrication and transit
- Supplied with five keys as standard
- Satin Nickel or Satin Brass finish
- Available options:
 - Double cylinder
 - Cylinder and turn
 - Keyed alike
 - Special key alike variants
- Upgraded locking pin material improving attack resistance
- Benefit of an reset mechanism reducing chances of lock-outs



Genesis

Intermediate locking handle for Bi-Fold doors

- No visible screws in the closed or open positions
- Side entry lock mechanism avoids key damage to door
- Fixing screws and spindle included
- A range of standard colours/finishes
- Special colours/finishes possible



Door Hardware

Hexalok™

High security multi point lock for sliding doors

- Centre hook bolt and five additional mushroom cams
- Unique Torx adjustment to security cams
- Available in two versions for optimum cam positioning
- Stainless Steel Drive Gears, Racks, Face Bar, Hook & Cams
- 2350mm Lock & 2400mm Keep length
- Highest Grade Corrosion Resistance BS EN 1670
- Tested beyond 50,000 cycles
- Supplied with 2x sets of cams (standard and high security)
- Height extendable cams
- Central alignment mark on faceplate and keep



2 & 4 Wheel Rollers for Horizontal Sliding Doors

Sliding door accessories

- Tested to BS EN 1191:2012
- Passed 7600 cycles (equivalent to 21 years of usage)
- Ball bearings in lieu of needle bearings reduce roller noise and enhance smooth effortless operation
- 31mm diameter stainless steel wheels
- 8mm diameter stainless steel axles
- 2mm thick stainless steel internal carriage frame
- Re-enforced moulded plastic carrier housing
- Height adjustment of 5mm
- Non-adjustment version available (no nuts and bolts)
- Easy to fit into door profile
- New 4-wheel version available

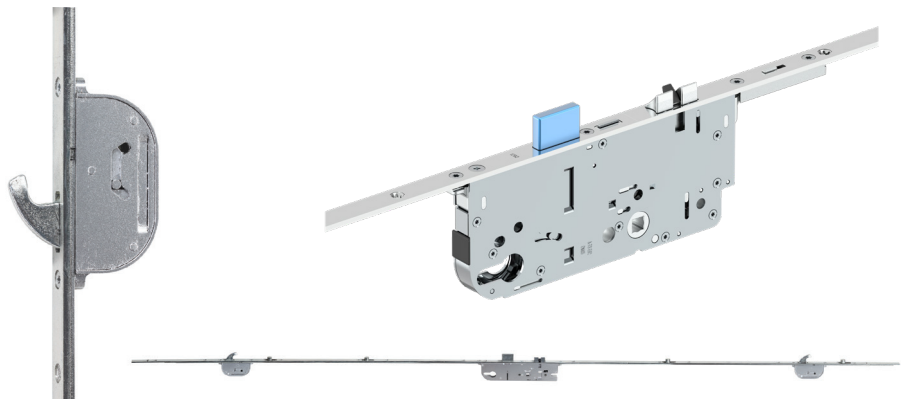


Maco Door Locks

Multipoint security locking systems

The Maco door lock range makes forced entry a difficult job thanks to their special features, which include i.S. security roller cams, steel bolts, locking hooks and a hook & bolt combination.

Various security components, such as the hook&bolt combination, can be used up to burglary-resistance grade PAS24.



Kenrick Door Locks

Multipoint security locking systems

The Kenrick range of multipoint door locking systems are designed to meet the most rigorous standards for security.

The locking systems feature three hooks and two steel anti-lift bolts as standard.



Trickle Vents

SF Xtra Sound Attenuator Vent

Surface mounted noise reducing ventilator

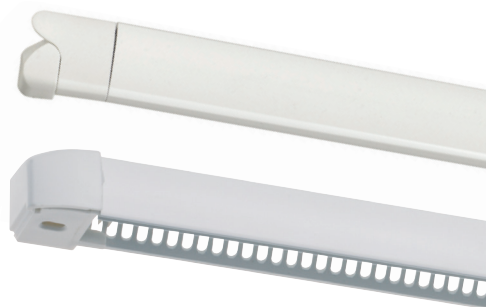
- Cost effective sound attenuating ventilator
- Can provide up to 44 $D_{n,e,w}$ attenuation, depending on combination
- Suitable for use in domestic or non-domestic installations
- Ideal for retrofit applications, over an existing slot
- Available in a range of combinations to suit different acoustic specifications
- Fits over a Trimvent® Select, Trimvent® 4000 Hi Lift or Trimvent® Select Xtra slot size
- High performance gasket combined



SF Xtra

High performance aluminium ventilator

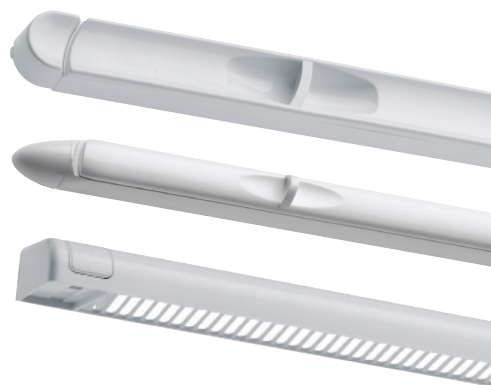
- Simple construction to aid painting, self-assembly & fitting
- Gasket combines with compression closing action improves sealing in adverse conditions
- Available in competitively sized EA rated combinations for optimum compliance with Building Regulations and Technical Standards on Ventilation
- For use over a 13 or 16mm slot
- Ideal for retrofit applications, over a slot or series of holes
- Available in bar length
- Bar length product available ready painted for assembly or in mill finish for customer painting
- Special paint finishes available



Trimvent Select Xtra (XS13/XS16/XR16)

Plastic slot ventilators

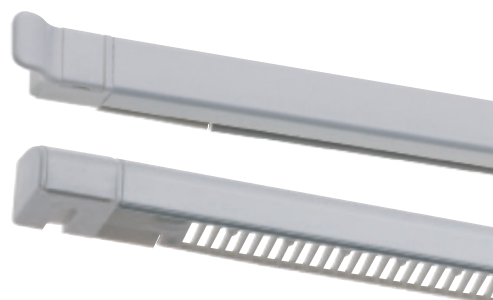
- Suitable for PVCu, timber or aluminium windows - (XR16 timber only)
- Available in competitively sized EA rated combinations for optimum compliance with Building Regulations and Technical Standards on Ventilation
- For use over 13 or 16mm slot (XR16 recesses over 16mm slot in timber)
- Unique occupant controllable tilting T-bar
- Based on successful Trimvent® principle
- Screw fix or clip fix versions (S13/XS13)
- Patented and registered design



Trimvent SM

Aluminium slot ventilator

- For use on aluminium windows with narrow profiles
- Compression closing action
- For use over 10mm or 12mm slot, ideal for slim sections
- Flexible PVCu seal for improved weather tightness
- Ideal for retrofit applications
- Available in bar length for cutting to size by customer
- Special paint finishes available
- Deflects air up and down
- Thermally insulated
- Matching screw covers
- Patented design

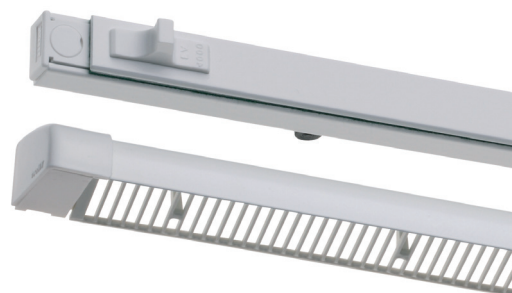


Trickle Vents

Trimvent 4000 Hi Lift

Aluminium slot ventilator

- Revised design to improve performance and Regulations compliance
- Compression closing action
- For use on 13mm slot
- Based on successful Trimvent® principle
- T-bar deflects air up and down
- Unique linkages ensure constant friction and smooth action
- Felted gasket for increased performance
- Vent supplied with screw covers, canopy features integral screw covers
- Special colours available on request for all trickle vents
- When specified correctly complies with Building Regulations



TV 90

Energy efficient glazed-in ventilator

- Upgraded design to improve performance and Regulations compliance
- T-bar deflects air up and down
- Compression closing action
- For use on 16mm slot
- Unique linkages ensure constant friction and smooth action
- Canopy features integral screw covers
- Special colours available on request
- Felted gasket for increased performance
- When specified correctly complies with Building Regulations
- Canopy/Grille contains built-in fly screen



Maxiglaze

Energy efficient glazed-in ventilator

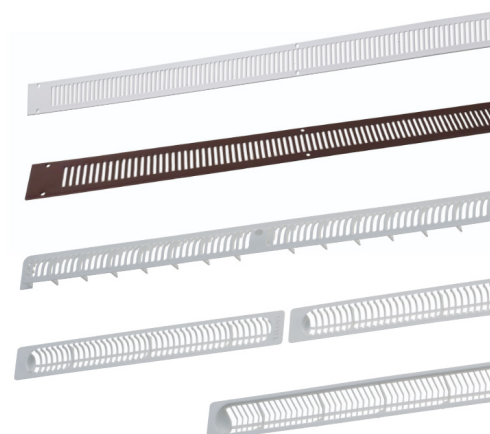
- Optimum air opening over length
- Supplied made-to-measure or in bar length
- Designed for easy cutting and assembly from bar length
- Suitable for 24 or 28mm glass thicknesses
- Dual colour (inner and outer) finish available
- Available in mill finish bar length for customer painting (24mm version only)
- Aluminium or (white) plastic canopy
- Cord and rod control versions
- Patented design



Grilles

Energy efficient glazed-in ventilator

- Integral part of Titon's trickle ventilation range for effective, controlled airflow
- Work with window vents to maintain consistent background ventilation and improve indoor air quality
- Available in high-quality plastic or durable aluminium for aesthetic and performance needs
- Features precision-engineered slots or perforations to:
 - Allow smooth air passage
 - Minimise draughts
 - Prevent rainwater ingress
 - Deter insects
- Ensure reliable operation in all weather conditions



Trickle Vents

Plastic Vents

Trimvent® Select Xtra S13/S16

Product 13mm - 16mm Slot Width	Product Code	(L) Length	(W) Width	(P) Projection Closed-Open	EA (mm²)	Slot Detail
XS13 2000/2500EA Vent Screw Fix	TS1131750	265	18.5	20 - 26	2000/2500	225 13
XC13 270 Canopy Screw Fix	TS2132040	270	18	32.5		
XS13 4400EA Vent Screw Fix	TS1134470	411	18.5 - 30	20 - 27	4400	173.5 20 173.5 13
XC13 412 Canopy Screw Fix	TS2134040	411	18	32.5		
XS13 5000EA Vent Screw Fix	TS1135070	497	18.5 - 30	20 - 27	5000	215 20 215 13
XC13 497 Canopy Screw Fix	TS2135040	497	18	32.5		
XS16 4600EA Vent	TS1164670	366	21 - 31	16 - 28	4600	151 10 151 16
XC16 364 Canopy	TS2164040	364	22	32.5		

Metal Vents

SF Xtra Vent

Product 13mm - 16mm Slot Width	Product Code	(L) Length	(W) Width	(P) Projection Closed-Open	EA (mm²)	Slot Detail
SFX 13 2500EA Vent 294mm	TA7831	294	23	10 - 24	2500	223 13
SF 318 Canopy	TA5010	318	23	27		
SFX 13 2500EA Vent 294mm	TA7831	294	23	10 - 24	2500	223 13
XC13 Canopy (plastic)	TS2132040	270	18	32.5		
SFX 13 4000EA Vent 434mm	TA7833	434	23	10 - 24	4000	178.5 10 178.5 13
SF418 Canopy	TA5005	418	23	27		
SFX 13 4000EA Vent 434mm	TA7833	434	23	10 - 24	4000	173.5 20 173.5 13
XC13 412 Canopy (plastic)	TS2134040	411	18	32.5		
SFX 13 5000EA Vent 465mm	TA7838	465	23	10 - 24	5000	185 10 185 13
HF441 Canopy	TA6054	441	24	36.5		
SFX 13 5000EA Vent 465mm	TA7838	465	23	10 - 24	5000	198 10 198 13
SFX418 Plastic Clip Fix Canopy	TA7841	418	18	36.5		
SFX 16 4000EA Vent 374mm	TA7861	374	27	10 - 27.5	4000	151 10 151 16
HF404 Canopy	TA6059	404	24	6.5		
SFX 16 4000EA Vent 374mm	TA7861	374	27	10 - 27.5	4000	151 10 151 16
XC16 364 Canopy (plastic)	TS2164040	364	22	32.5		

TV4000 Hi Lift

Product	Product Code	(L) Length	(W) Width	(P) Projection Closed-Open	EA (mm²)	Slot Detail
TV4000 HL 2200EA 255 Vent	TA4042	255	17	28 - 38	2200	223 13
HF 263 Canopy	TA6053	263	24	36.5		
TV4000 HL 4000EA 400 Vent	TA4041	400	17	28 - 38	4000	173.5 20 173.5 13
HF 441 Canopy	TA6054	441	24	36.5		
TV4000 HL 6000EA 575 Vent	TA4044	575	17	28 - 38	6000	173 12 173 12 173 13
HF 582 Canopy	TA6004	582	24	36.5		

Acoustic Vents

SF Xtra Sound Attenuator

Available in three inner and outer projection combinations, 25mm, 50mm and 75mm. A standard vent and canopy can also be used on inner or outer if higher performance according to attenuation spec.

Product	Product Code	(L) Length	(W) Width	(P) Projection Closed-Open	EA (mm²)	Slot Detail
SF Xtra Sound Attenuator 2500EA Vent	TA5221 (25mm)	464	35	37-51	3470	173.5 20 173.5 13
SF Xtra Sound Attenuator 5000EA Vent	TA5235 (25mm)	523	35	87-101	5517	215 8 215 13