

# Window & Door Hardware

## Range Overview

# Trickle Vents

Titon offers a wide range of window and door products for all window opening types and materials. Two dedicated Divisions exist within Titon to specifically offer knowledge, support and products for any project or requirement.

The Timber & PVCu team offers standard and specialist product for those respective materials and the Aluminium Division team deals with the more specification and project-lead work in the non-domestic and domestic aluminium sector.

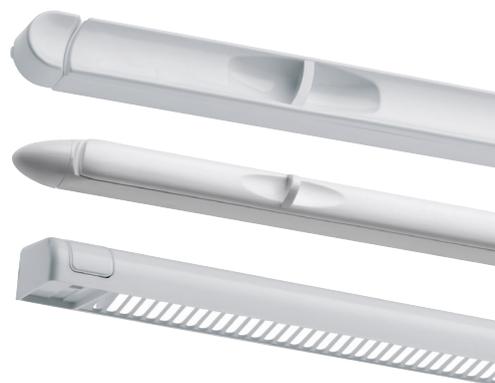
This leaflet is only an overview of the most common items in the Titon window and door fittings portfolio. There are many more, and they are added to all the time, so please go to the Titon website to see the range at [www.titon.com](http://www.titon.com)



## TV Select S13 & TV Select Xtra XS13/XS16/XR16

### Plastic slot ventilators

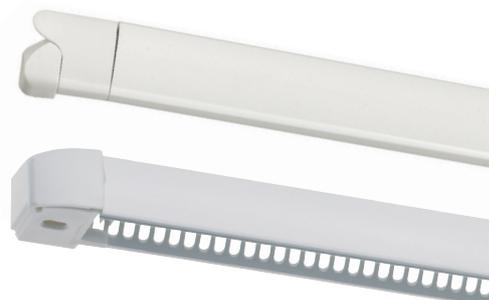
- Suitable for PVCu, timber or aluminium windows - (XR16 timber only)
- Available in competitively sized EA rated combinations for optimum compliance with Building Regulations and Technical Standards on Ventilation
- For use over 13 or 15mm slot (XR16 recesses over 16mm slot in timber)
- Unique occupant controllable tilting T-bar
- For use over 13mm slot - (XR16 recesses over 16mm slot)
- Based on successful Trimvent® principle
- Screw fix or clip fix versions (S13/XS13)
- Patented and registered design



## 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
- Ideal for use in non-domestic installations
- Available in bar length
- Bar length product available ready painted for assembly or in mill finish for customer painting
- Special paint finishes available



# Trickle Vents

## SF Xtra Sound Attenuator Vent

### Surface mounted noise reducing ventilator

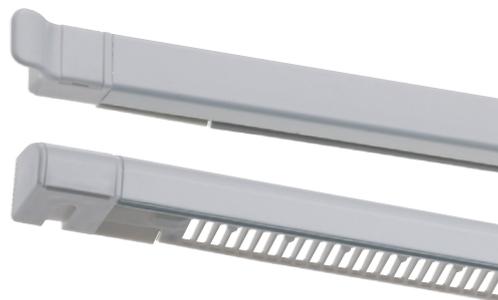
- Cost effective sound attenuating ventilator
- Can provide up to 44  $D_{n,e,w}$  attenuation, depending on combination
- Suitable for use in domestic or non-domestic installations
- Ideal for retrofit applications, over an existing slot
- Available in a range of combinations to suit different acoustic specifications
- Fits over a Trimvent® Select, Trimvent® 4000 Hi Lift or Trimvent® Select Xtra slot size
- High performance gasket combined with compression closing action improves sealing in adverse conditions
- For use over a 13mm slot
- Special paint finishes available



## TV 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 (details on request)
- Special paint finishes available
- Based on successful Trimvent® principle
- Deflects air up and down
- Thermally insulated
- Matching screw covers
- Patented design



## Gas Regulations Ventilator

### Permanent slot ventilator

- Complies with BS 5440 Part 2 & Building Regulations Part J
- For use mounted over a 13mm or 16mm slot
- Integral screw covers for concealed fixing
- Two ventilators supplied per pack (one fitted internally, one fitted externally)
- Supplied with warning label, screws and fixing instructions
- PLEASE REFER TO A QUALIFIED GAS PROFESSIONAL FOR ADVICE ON CORRECT SIZING OR USAGE OF GAS REGULATIONS VENTILATORS



## 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
- Available in mill finish bar length for customer painting (24mm version only)
- Aluminium or (white) plastic canopy
- Dual colour (inner and outer) finish available
- Cord and rod control versions
- Patented design



# Window Hardware

## 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



## Venture

### Friction hinge

- Suitable for domestic and light commercial applications
- Adjustable and controlled friction for smooth operation
- Standard and High Stack heights
- Austenitic stainless steel version available for high corrosion resistance
- Egress Easy-Clean version
- Additional arm available
- Fully dimensioned technical sheet available for each hinge

### Tenure Hinge Security Guard

For use with Venture friction hinges



## Adventure

### Heavy duty friction hinge

- Suitable for larger, heavier sashes or commercial applications
- Adjustable and controlled friction for smooth operation
- 16mm stack height
- Made from austenitic stainless steel for high corrosion resistance
- Additional arm available
- Fully dimensioned technical sheet available for each hinge

### Tenure Hinge Security Guard

For use with Adventure heavy duty friction hinges



## Capture

### Window safety restrictor

- Automatically engages
- Easy to fit
- No key or tools required to de-restrict
- Three length variations available
- Various pin heights
- Suits most cavity sizes
- Can be retrofitted
- Austenitic stainless steel for improved corrosion resistance



# Window Hardware

## Kenrick Multipoint Locks

### Espagnolette

An extensive range of espagnolette locking mechanisms that are designed to meet the requirements of the UK market – where peace of mind, performance, longevity and enhanced security are vital.



## Maco Multipoint Locks

### Espagnolette

A wide variety of open-out casement window solutions enabling a vast range of window styles to be manufactured with multi point locking. MACO espagnolettes impress with their PAS 24 security performance, ease of use in operation and efficient installation.



## Flex

### Window safety restrictor

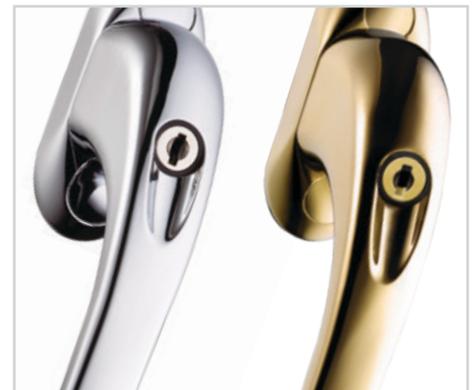
- Fits all window types
- Push to release
- Key operated deadlock
- Highly visible
- Special lengths and colours to order
- Retro fit (surface mounted)
- Tested to 1200N with no failure



## Overture Tilt & Turn

### Tilt and Turn Handle

- Multi-function key operation including 'Tilt-Safe' function
- Range of finishes available
- 40mm spindle length
- Locking or non locking versions
- Colour coordinated screw covers



# Door Hardware

## Overture DH

### Lever door handle range

- 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 screw lengths as standard
- Colour coordinated screw heads



## Overture DH Stainless Steel

### Stainless steel lever door handle range

- 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



## Overture LP

### Letter plate

- High quality sprung letter plate
- All finishes salt spray tested to BS EN 1670 class 4 240 hours
- Features weather brush
- Frame gaskets provided
- External flap features weather gasket



## Overture LP Stainless Steel

### Stainless Steel Letter plate

- 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
- Cycle tested to 50,000 cycles
- SS304 flap and ends (Int/ext)
- Available in polished and brushed stainless steel finishes
- 40/70 depth sleeves options
- Fully sprung loaded



# Door Hardware

## 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
  - New cam restraining feature reducing the risk of separation during an attack

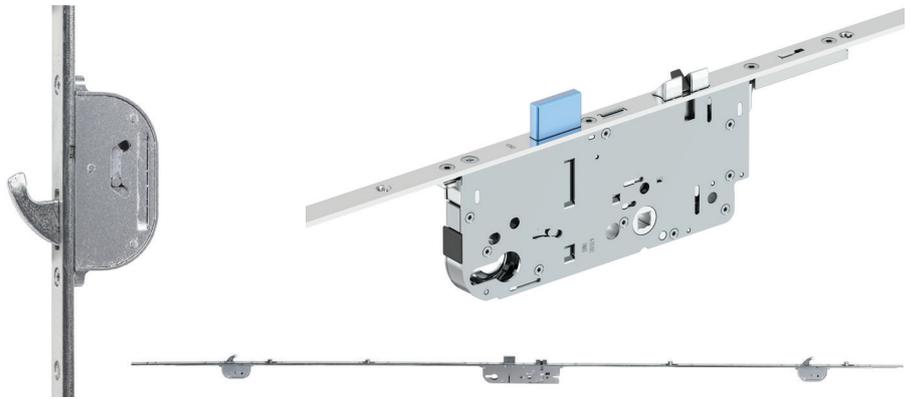


## Maco Door Locks

### Multipoint security locking systems

The Maco door locks 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 lock 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.



## Overture Door Accessories

### Door fittings

- **Overture Door Knockers** - with or without aperture for Overture V Door Viewer
  - **Overture V Door Viewers** - with minimum view angle of 120° precision optical glass with cover. Adjustable to fit doors 35mm to 90mm thick
  - **Overture Door Chain** - Visible deterrent, enables conversation without allowing access to visitors
  - **Overture Numerals** - Range of numerals and letters
- External fittings, in all finishes, tested to a minimum of 240 hours salt spray



# Door Hardware

## 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
- Non-locking option
- 13mm deep base-plate option



## Revelation

### 3-in-1 handle, hinge & lock for Bi-Fold doors

- Multi functional
- Eliminates the need for a "D" style hinge pull
- Allows for single handed door closing and shootbolt locking
- Unique design
- Standard fixing/spindle centres to suit most lockcases
- A range of standard colours/finishes
- Fixing screws and spindle included



**AREA 24**

The truth revealed, the help you needed

**AREA 24** is Titon's extensive hi-tech product development laboratory. We conduct indicative testing to certified levels so that system companies and fabricators can ensure a hardware specification complies with Standards before going through the expensive third party official testing