

TRELLICOR

SECURITY GROUP

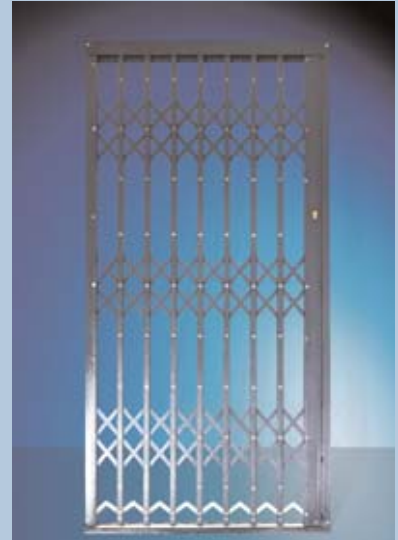
TRELLIDOR

TROJAN

[| Description](#) | [Features & benefits](#) | [Certification](#) | [Size](#) | [Assembly](#) |
[| Construction](#) | [Configurations](#) | [Finishes](#) | [Installation](#) | [Pictures](#) |

1 DESCRIPTION

Trellidor Trojan is a retractable security grille located within a securely anchored frame. The working parts of the grille (or sash) are constructed to a trellis design consisting of vertical uprights and horizontal 'flights', crossing a minimum of 3 verticals allowing the grille to expand and contract uniformly. The grille locks into a strike jamb on either or both sides and is hung from the top frame by a system of rollers. It glides on a bottom track and stacks to either or both sides.



[RETURN TO MENU](#)

FEATURES & BENEFITS

FEATURES COMMON TO ALL TRELLIDOR RETRACTABLE GRILLES	BENEFITS COMMON TO ALL TRELLIDOR RETRACTABLE GRILLES
<ul style="list-style-type: none"> • Top hung – weight of grille hangs from top track 	<ul style="list-style-type: none"> • Glides easily and is simple to operate. No rollers on the bottom track to collect dirt
<ul style="list-style-type: none"> • Manufactured from galvanised steel which is chemically treated and powder-coated prior to assembly 	<ul style="list-style-type: none"> • Corrosion resistant
<ul style="list-style-type: none"> • Award-winning Trellilok 	<ul style="list-style-type: none"> • Burglary resistant
<ul style="list-style-type: none"> • Lock integral to the frame 	<ul style="list-style-type: none"> • More resistant to burglary and neat looking
<ul style="list-style-type: none"> • Tamper proof fixings 	<ul style="list-style-type: none"> • Burglary resistant
<ul style="list-style-type: none"> • Tailor-made 	<ul style="list-style-type: none"> • Fits any architectural opening snugly
<ul style="list-style-type: none"> • 4 point locking mechanism operates from a single key position 	<ul style="list-style-type: none"> • Fewer keys, ease of operation
<ul style="list-style-type: none"> • 3 hole link flight 	<ul style="list-style-type: none"> • Door opens and closes uniformly
<ul style="list-style-type: none"> • Fully framed and anchored into the reveal 	<ul style="list-style-type: none"> • Strength
<ul style="list-style-type: none"> • Rolled steel uprights enclosing Nylon 6 components 	<ul style="list-style-type: none"> • Security and ease of operation
<ul style="list-style-type: none"> • Aluminium sill 	<ul style="list-style-type: none"> • Easy to clean
<ul style="list-style-type: none"> • Wide range of colour options 	<ul style="list-style-type: none"> • Choice
UNIQUE FEATURES OF TRELLIDOR TROJAN	UNIQUE BENEFITS OF TRELLIDOR TROJAN
<ul style="list-style-type: none"> • Top track cover plate 	<ul style="list-style-type: none"> • Anti-tampering
<ul style="list-style-type: none"> • Top track wheels with bearings 	<ul style="list-style-type: none"> • Ease of operation, even with extra weight
<ul style="list-style-type: none"> • Enclosed and re-inforced uprights 	<ul style="list-style-type: none"> • Extra protection
<ul style="list-style-type: none"> • Shroud on the lockstile 	<ul style="list-style-type: none"> • Protects the locking points from forced entry
<ul style="list-style-type: none"> • Four point locking mechanism with anti-drill 	<ul style="list-style-type: none"> • Security
<ul style="list-style-type: none"> • Range of options 	
<ul style="list-style-type: none"> > Cut in track 	<ul style="list-style-type: none"> > Removes trip hazard
<ul style="list-style-type: none"> > Covered track 	<ul style="list-style-type: none"> > Allows wheelchair access
<ul style="list-style-type: none"> > Hinge-up bottom track 	<ul style="list-style-type: none"> > Removes trip hazard

CERTIFICATION



The **Loss Prevention Certification Board** is a Technical Approvals issuing body offering approvals of products under the Building Regulations, Construction Products Directive and other European legislation. It is accredited by the United Kingdom Accreditation Service (UKAS) against the following standards: EN 45011 – product certification, EN 45012 – management systems certification and EN 45013 – personnel certification and it offers CE marking certification, approvals for ETAs and testing as a 'Notified Body'.

The LPCB tests and approves products against LPS 1175: ISSUE 5.1 Requirements and Testing Procedures for the LPCB Approval and Listing of Burglary Resistant Building Components, Strongpoints and Security Enclosures to evaluate the resistance to burglary offered by various physical security products.

Tests on security products are carried out under laboratory conditions using different attack times and tools depending on the Security Rating Level that the product is suitable for, matching risk and result to tools and time.



Police Preferred Specification


Secured by Design is the UK Police flagship initiative supporting the principles of designing out crime. Secured by Design licensed company status is awarded to those companies producing security products, including doors and windows, which pass standards and tests nominated by the police service as 'Police Preferred Specification'. The LPCB's testing and certification against LPS 1175 is considered to be an acceptable standard to qualify for the Secured by Design license and to allow a company to use 'Police Preferred Specification' in relation to its products.

- Secured by Design (SBD) is the corporate title for a family of national police projects involving the design for new homes, refurbished homes, commercial premises, car parks and other police crime prevention projects.
- It is primarily an initiative to encourage the building industry to adopt crime prevention measures to assist in reducing the opportunity for crime and the fear of crime, creating a safer and more secure environment.

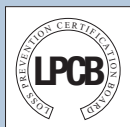
Secured by Design supports one of the Government's key planning objectives - the creation of secure, quality places where people wish to live and work.

- Secured by Design is supported and managed by the Association of Chief Police Officers (ACPO) and has the backing of the Home Office. It has been drawn up in consultation with the Department of Transport, Local Government & Regions (formerly DETR) as well as trade, industry and standards organisation

APPROVALS

LPCB Ref. No.	Trade Name	Model	Type	Minimum Size (m)		Maximum Size (m)		Security Rating
				Height	Width	Height	Width	
	Trellidor Trojan	Standard	Single gate collapsible grille	1.0	0.6	3.600	5.0	2
		Flexi	Single gate collapsible grille	1.0	1.0	3.600	5.0	2
		Fixed	Single gate fixed security grille	1.0	0.6	3.600	5.0	2
		Double	Double gate collapsible grille	1.0	1.0	3.600	10.0	2

Trellidor Trojan has been tested and certified by the Loss Prevention Certification Board to LPS 1175 Security Rating Level 2 up to a width of 10m. The approved range is indicated above.



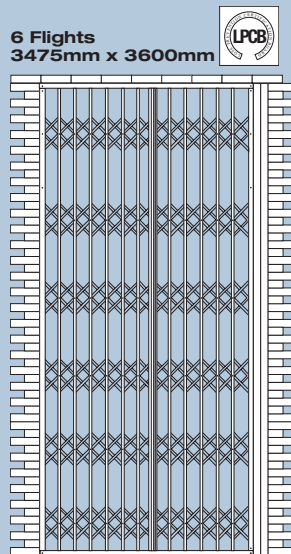
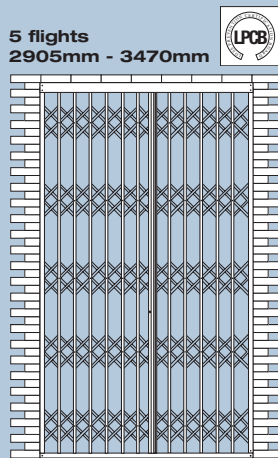
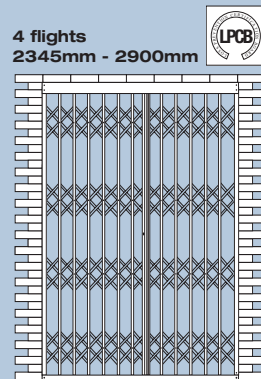
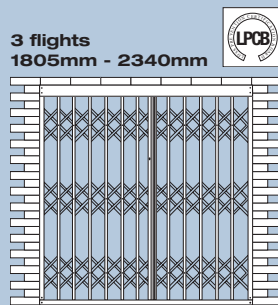
N.B. Not all Trellidor Trojan options can claim certification.

This symbol next to a description indicates compliance to LPS 1175



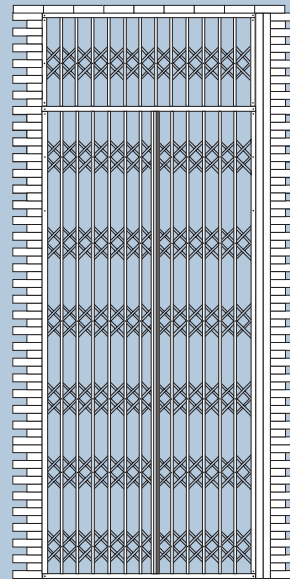
4 SIZE

Trellidor Trojan can be applied to any width of aperture. This is achieved by means of multiple stacks on a single track which lock into each sash as in a multiple- or flexi- configuration. It is not recommended to exceed 5 metres for each single sash and 10 metres for each double sash. Also refer to side by side configurations.



Heights in excess of 3600mm

It is usually possible to install a fixed sash above the moving sash as illustrated



SIZE CONT.

TROJAN STACK SERIES AND CLEAR OPENING

SINGLE SASH

Trellidor Trojan width		Width size		Clear opening		Upright pairs/ stack
from	to	Stack	Jamb	from	to	
380	490	185	65	130	240	2
495	605	210	65	220	330	3
610	720	235	65	310	420	4
725	835	260	65	400	510	5
840	950	285	65	490	600	6
995	1065	310	65	580	690	7
1070	1180	335	65	670	780	8
1185	1295	360	65	760	870	9
1300	1410	385	65	850	960	10
1415	1525	410	65	940	1050	11
1530	1640	435	65	1030	1140	12
1645	1755	460	65	1120	1230	13
1760	1870	485	65	1210	1320	14
1875	1985	510	65	1300	1410	15
1990	2100	535	65	1390	1500	16
2105	2215	560	65	1480	1590	17
2220	2330	585	65	1570	1680	18
2335	2445	610	65	1660	1770	19
2450	2560	635	65	1750	1860	20
2565	2675	660	65	1840	1950	21
2680	2790	685	65	1930	2040	22
2795	2905	710	65	2020	2130	23
2910	3020	735	65	2110	2220	24
3025	3135	760	65	2200	2310	25
3140	3250	785	65	2290	2400	26
3255	3365	810	65	2580	2690	27
3370	3480	835	65	2470	2580	28
3485	3595	860	65	2560	2670	29
3600	3710	885	65	2650	2760	30
3715	3825	910	65	2740	2850	31
3830	3940	935	65	2830	2940	32
3945	4055	960	65	2920	3030	33
4060	4170	985	65	3010	3120	34
4175	4285	1010	65	3100	3210	35
4290	4400	1035	65	3190	3300	36

Other dimensions

Lock stile	=	93mm
Anchor jamb	=	35mm
Upright	=	22mm
Strike stile	=	55mm
Strike jamb	=	65mm



SIZE CONT.

TROJAN STACK SERIES AND CLEAR OPENING

DOUBLE SASH

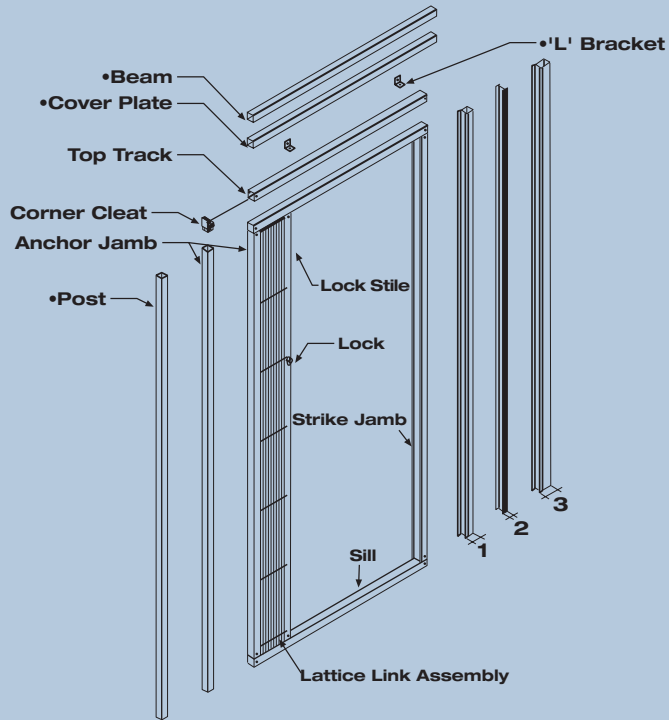
Trellidor Trojan width		Stack size		Clear opening		Upright pairs/ stack
from	to	Lock side	Strike side	from	to	
530	755	145	185	200	425	2
760	985	170	210	380	605	3
990	1215	195	235	560	785	4
1220	1445	220	260	740	965	5
1450	1675	245	285	920	1145	6
1680	1905	270	310	1100	1325	7
1910	2135	295	335	1280	1505	8
2140	2365	320	360	1460	1685	9
2370	2595	345	385	1640	1865	10
2600	2825	370	410	1820	2045	11
2830	3055	395	435	2000	2225	12
3060	3285	420	460	2180	2405	13
3290	3515	445	485	2360	2585	14
3520	3745	470	510	2540	2765	15
3750	3975	495	535	2720	2945	16
3980	4205	520	560	2900	3125	17
4210	4435	545	585	3080	3305	18

Other dimensions

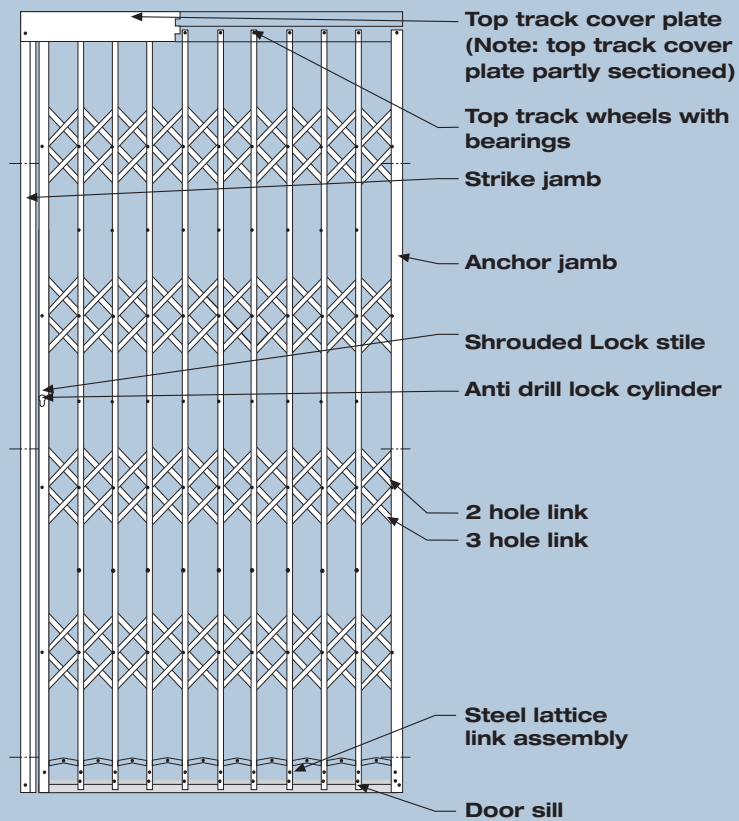
Lock stile	=	93mm
Anchor jamb	=	35mm
Upright	=	22mm
Strike stile	=	55mm
Strike jamb	=	65mm

 RETURN TO MENU

5 ASSEMBLY



• Optional installation extras

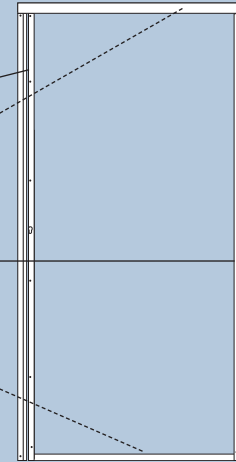


CONSTRUCTION

The exterior components and bottom track are located and fixed to form a rigid frame. The trellis sash running in this frame consists of vertical steel components joined together by means of horizontal rows of links. The linkage across the vertical upright pairs is a unique feature of the barrier construction developed by Trellicor, giving both uniformity of operation and added strength.

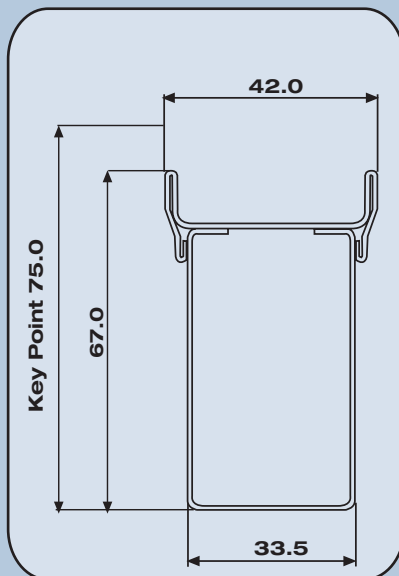
5.1 The **FRAME** consists of

A	Strike Jamb	Galvanised steel, powder coated
B	Top Track	Galvanised steel, powder coated
C	Anchor Jamb	Galvanised steel, powder coated
D	Bottom Sill	Aluminium



A

STRIKE JAMB



55 STRIKE JAMB

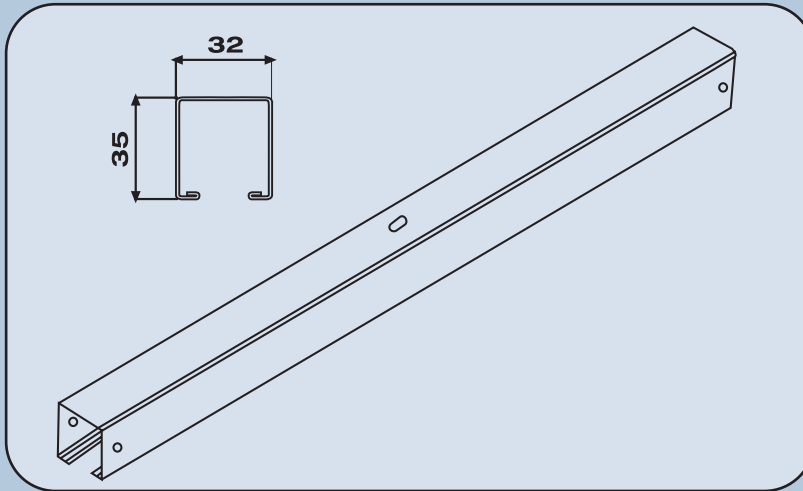
Utilised where positioning the key point away from the wall is important. Often used on doors to clear the frame.



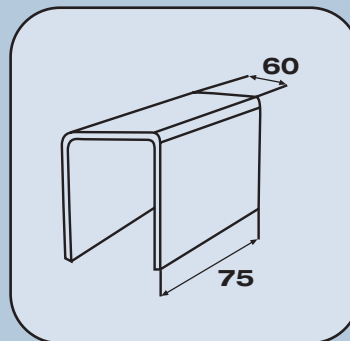
CONSTRUCTION CONT.

B

TOP TRACK

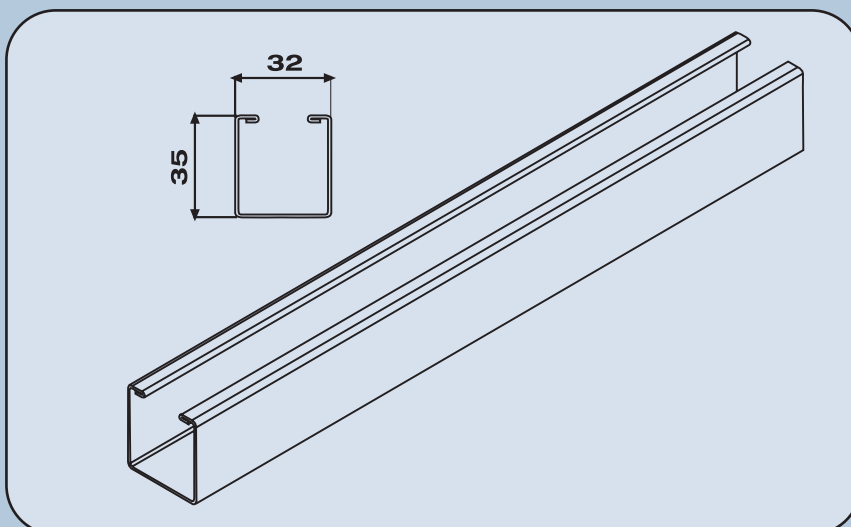


TOP TRACK COVER



C

ANCHOR JAMB



CONSTRUCTION CONT.



BOTTOM SILL

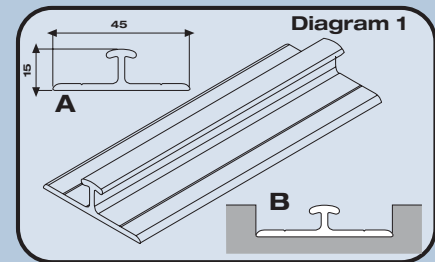
ALUMINIUM SILL



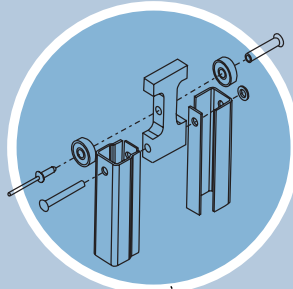
Anodised natural to 25 microns. (Can be powder coated)

Width 45mm Height 15mm (Refer 1A)

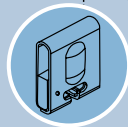
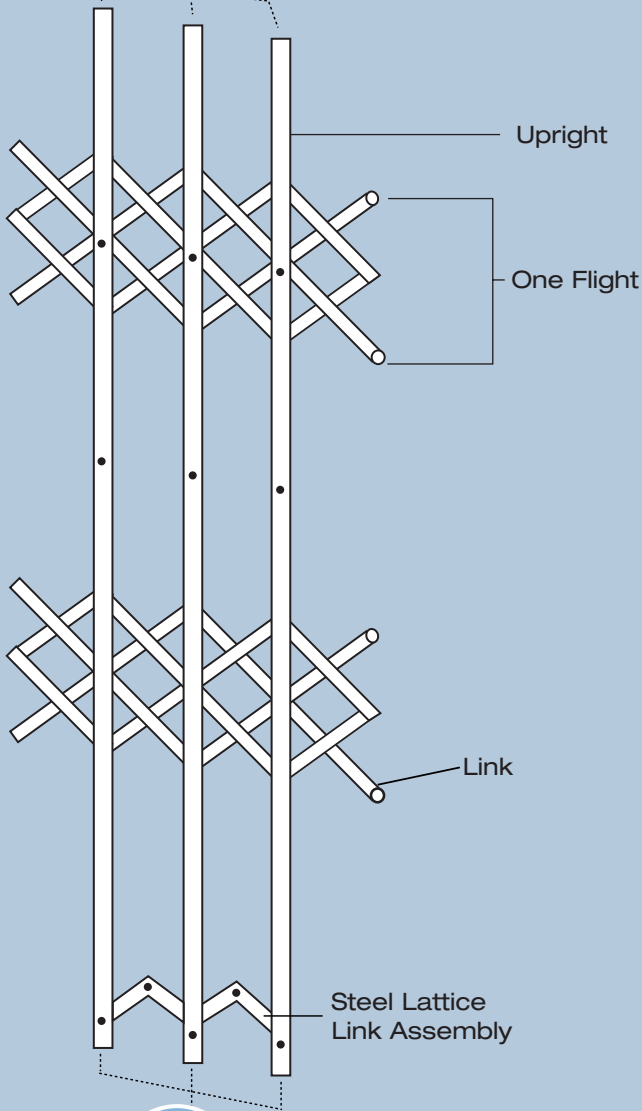
This track may also be sunk into the floor. (Refer 1B)



5.2 TRELLIS SASH



Upright Wheel Holder Assembly with Reinforcing Plates



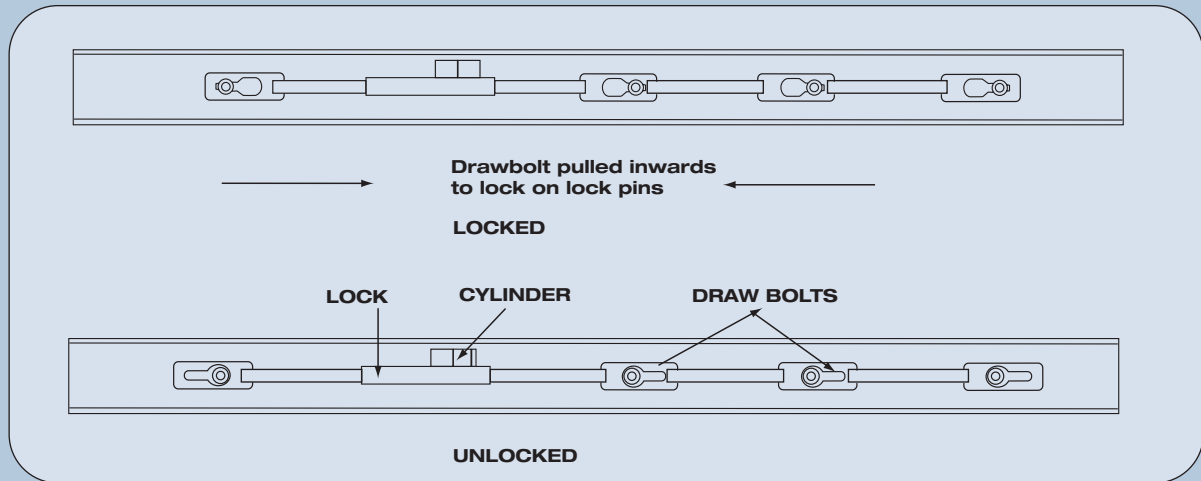
Upright Sill Guide Assembly (Aluminium Sill)



5.3 LOCKS

STANDARD LOCKING MECHANISM

FOUR POINT LOCKING



TRELLILOCK (Patented)



This unique patented lock was specifically designed for the Trellidor product range and provides dead locking for added security. It consists of a single throw, single key point mechanism with multi-point locking locations.

EURO-LOCK



Where the Trellilok has to match an existing locking system with identical keys, the unique patented Euro-lock is available. This lock will accommodate any euro profile cylinder and this must be specified when ordering.

CYLINDERS

The above locks are activated by means of 5 pin cylinders through customised cams. The cylinders come in a variety of options:

- > **Full cylinders:** Operated from both sides – usually door applications.
- > **Half cylinders:** Operated from one side only – usually window applications.

These can be configured:

- > **Random** (all keys differ)
- > **Matching** (keyed alike)
- > **Dependent**

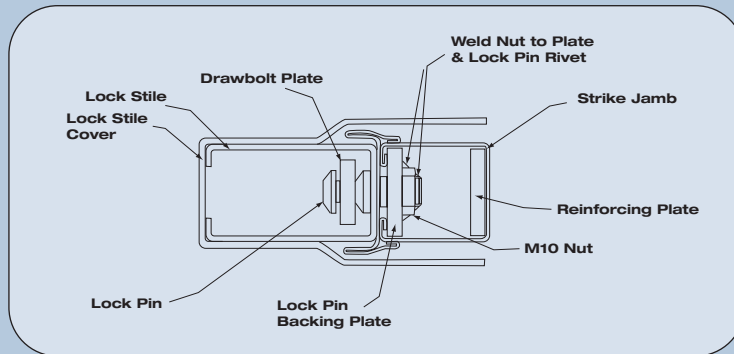
and/or in combinations of the above.



LOCKS (CONT.)

LOCK STILE SHROUD & RE-INFORCING PLATE

This is a unique feature of the Trelidor Trojan and increases resistance to forced entry by limiting access.



[RETURN TO MENU](#)

A

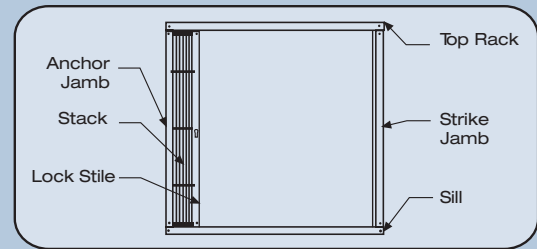
STANDARD CONFIGURATIONS

SINGLE SASH TRELLIDOR TROJAN



One side of the trellis sash is fixed to the anchor jamb, with the other side moving across to lock onto the strike jamb. The direction of close can be left to right or right to left as required.

SINGLE SASH

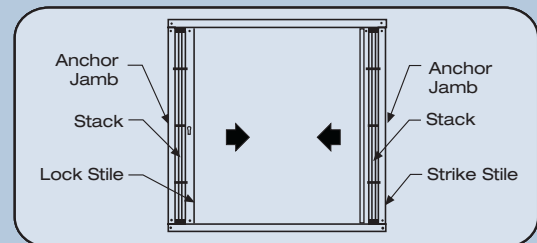


DOUBLE SASH TRELLIDOR TROJAN



Double doors have two sashes, stacking one on each side of the unit which closes towards the centre. The split is usually central (50/50), but can be offset to either side as required.

DOUBLE SASH

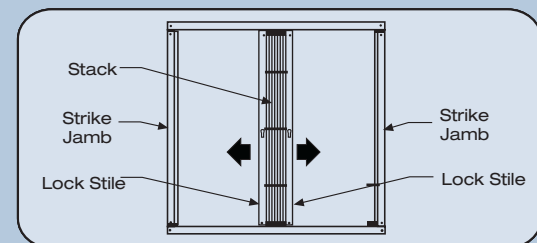


SINGLE FLEXI SASH TRELLIDOR TROJAN



Constructed with a lock stile and strike jamb on both sides of the unit enabling the stack to be positioned anywhere within the frame. This facilitates cleaning of windows.

SINGLE FLEXI SASH TRELLIDOR

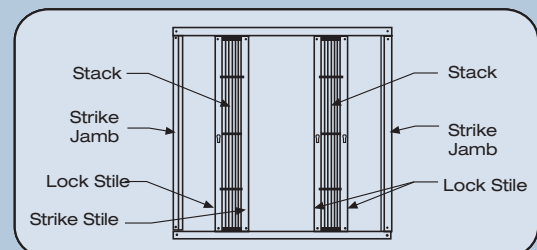


DOUBLE FLEXI SASH TRELLIDOR TROJAN



As per the single sash flexi but with the sash split into two interlocking stacks. This enables each stack to be independently positioned. Each sash locks into the strike jamb at each end of the unit and locks at the centre point as well. Especially designed for large commercial applications.

DOUBLE FLEXI SASH TRELLIDOR

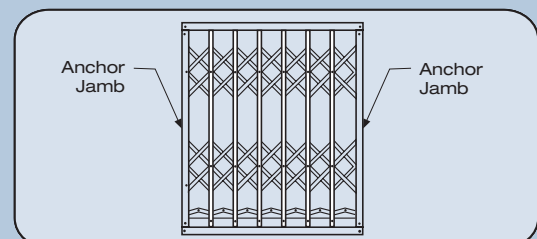


FIXED SASH TRELLIDOR TROJAN



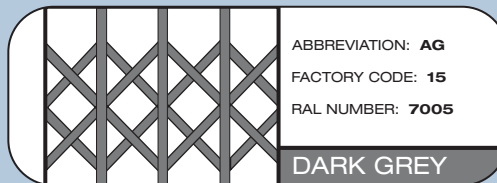
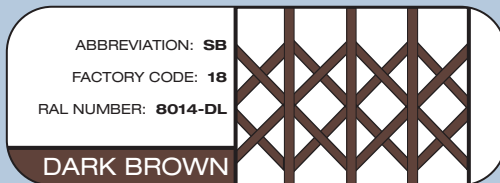
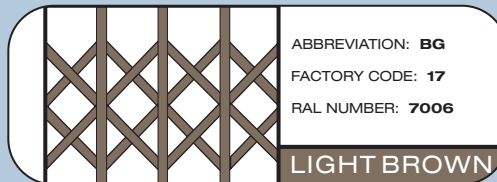
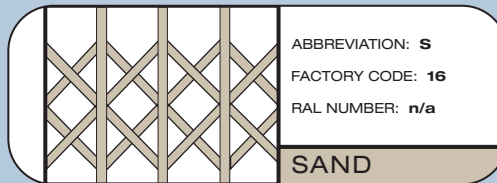
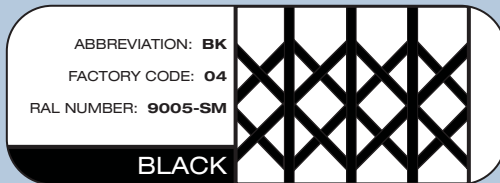
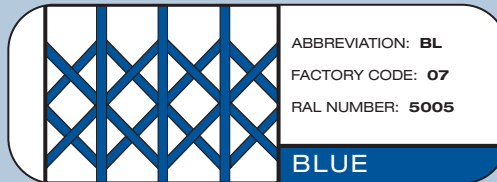
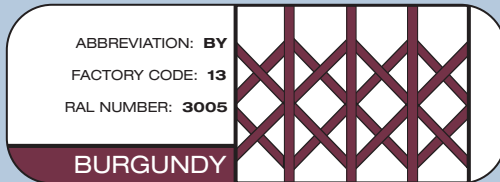
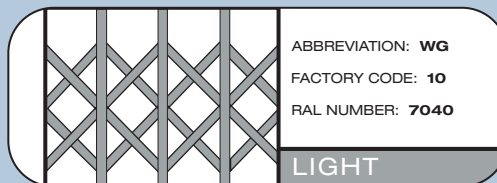
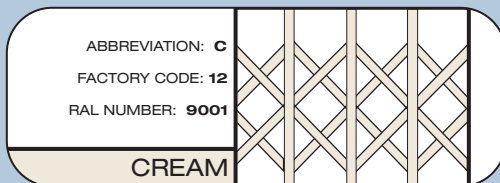
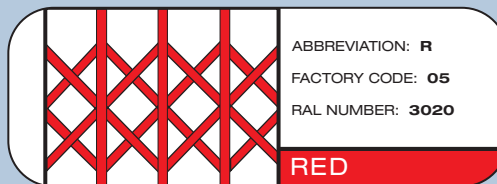
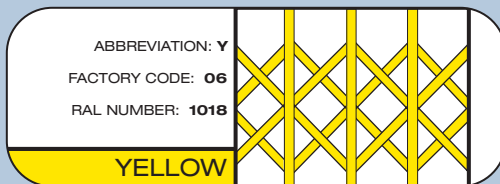
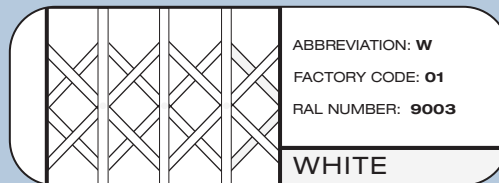
The trellis sash construction is fixed to the anchor jamb both left and right as opening is not required in such units.

FIXED SASH TRELLIDOR



7 FINISHES

Trellidor Trojan grilles are available in an attractive stock range of colours (as indicated below), utilising high quality ultra violet resistant polyester powder, suitable for interior and exterior use. Additionally they can be supplied in any standard RAL number and can be matched to decor or corporate identity. These colours are representative only. For an exact match please call for a swatch.



COACH SCREWS

Customised coach screws are used to secure Trellidor Trojan by means of a specially designed torx drive attached to a flexi-spanner.

FIXING OPTIONS

Reveal Fixing

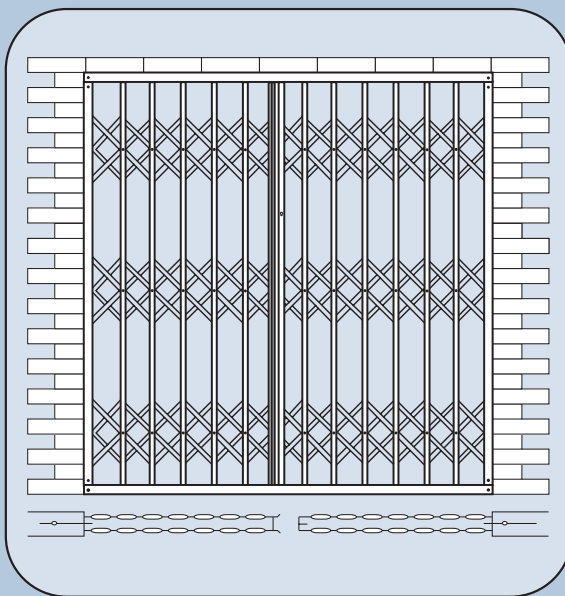
– Secured into the walls from all sides.

Face-on Fixing

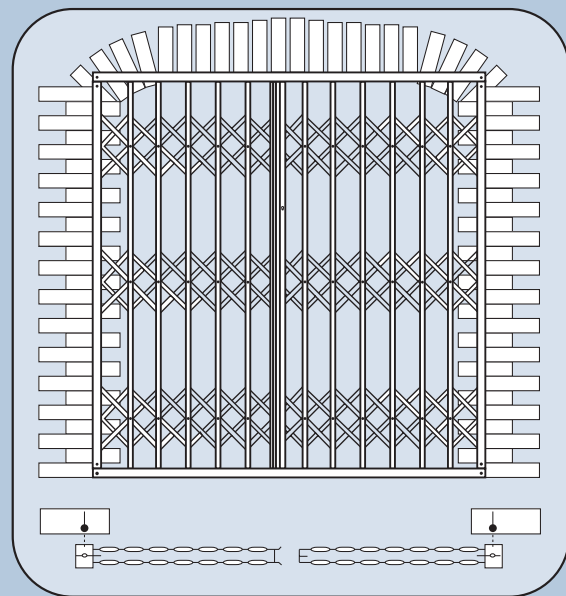
– This is used when the unit is secured to the face of the aperture. This enables arches to be secured from the inside while maintaining the arched effect from outside.



DOUBLE DOOR REVEAL FIXING



DOUBLE DOOR FACE-ON FIXING



Other Fixing options include

- face-on to reveal
- face-on to free standing
- reveal to free standing
- free standing

Accessories required to carry out the above fixing options will depend upon on-site conditions and the aperture to be secured. Such accessories could include custom brackets, standard brackets, beams, posts, cover strips. For standard accessories refer below.

INSTALLATION

All units supplied with standard concrete fixing kits.

STANDARD ACCESSORIES

STANDARD BEAM & POST SIZES	STANDARD BRACKET SIZES	STANDARD COVERSTRIP SIZES
32 x 32 x 1.6	30 x 30	100 x 50
50 x 50 x 2	30 x 50	60 x 40
63 x 32 x 1.2	40 x 40	60 x 30
100 x 50 x 2	40 x 60	30 x 30

9 PICTURES

