
SBC EUROPE

CATALOGUE **2017**
WINDOW & DOOR HARDWARE



A modern living room with large windows and a white sofa. The room is bright and airy, with a white wall and a dark rug. The windows are the focal point, showing a view of the outdoors. The text is overlaid on the image in colored bars.

CASEMENT **WINDOWS**

SASH **WINDOWS**

DOOR **HARDWARE**

REVERSIBLE **WINDOWS**

BRIO BI-FOLD / **SLIDING SYSTEMS**

Q-WOOD

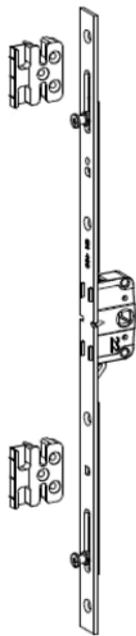
WINDOW VENTILATORS – **SLOTVENTS**

CASEMENT
WINDOWS

WINDOW LOCKS

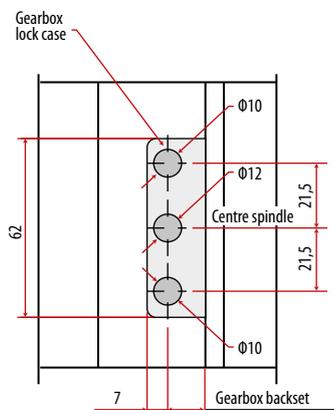
Standard Espagnolette

Fittings suite the highest requirements of corrosion resistance as it reaches the 5th grade standard EN 1670

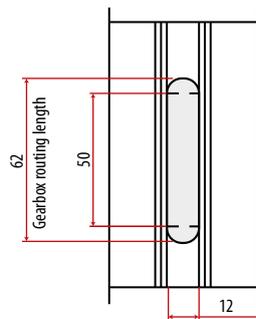


Espagnolettes Routing Details, Additional Parts

Gearbox Routing Details

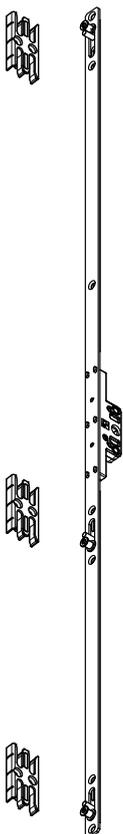


22 MM BACKSET WITH ADJUSTABLE CAMS			
Part code	Faceplate (mm)	Rebate size (mm)	Cams (9,5 mm)
KV 240229	240	241 - 400	2
KV 400229	400	401 - 600	2
KV 600229	600	601 - 800	2
KV 800229	800	801 - 1000	2
KV 1000229	1000	1001 - 1200	3
KV 1200229	1200	1201 - 1800	3



- KV TIMBER** Timber keep
- KV ALUPLAST** Aluplast Ideal 60/70

Defender Window Lock



DEFENDER WINDOW LOCK – 22 MM BACKSET AUSTENITIC STAINLESS STEEL		
Standard 9 mm cam	Sash Rebate Size (mm)	Cams
DLG0140H	160 - 299	1
DLG0350H	300 - 389	2
DLG0450H	390 - 519	2
DLG0590H	520 - 649	2
DLG0710H	650 - 779	2
DLG0850H	780 - 909	3
DLG0970H	910 - 1039	3
DLG1100H	1040 - 1169	3
DLG1250H	1170 - 1300	3
DLG1370H4	1300 - 1430	4

DEFENDER WINDOW LOCK KEEPS	
Partcode	Description
R90002	Veka 70 Keep
R90003	LB7000 Keep
R90004	LB6000 Keep
R90005	Veka 58 Keep
R90006	Profile 22 Keep
R90008	Rehau S706 IG Keep
R90009	Rehau Tritec Keep
R90010	Rehau S706 Keep
R90013	Eurocell 70 Keep
R90014	System 10 Keep
R90016	Spectus Elite Keep
R90017	Spectus Sightline 70 Keep
R90021	Aluplast Keep
R90022	Veka 70 IG Keep
R90023	Timber Keep
R90025	Kommerling 58 IG / Connoisseur 70 Keep
R90026	Veka 58 70FS Keep
R90027	WHS Halo System 10 Keep
R90028	Kommerling / KBE System 70 IG / Deceuninck Keep
R90029	Liniar Keep

WINDOW LOCKS

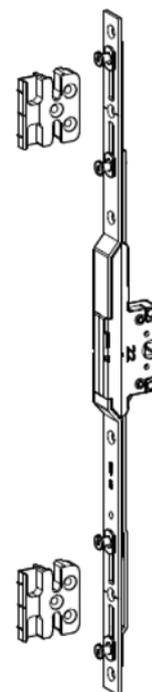
Twin Cam Lock

High security locking for casement windows

Fittings suite the highest requirements of corrosion resistance as it reaches the 5th grade standard EN 1670

22 MM BACKSET WITH ADJUSTABLE CAMS				
Part code	Faceplate (mm)	Rebate size (mm)	Cams (9,5 mm)	Keeps
KVTSL 300229	300	301 - 400	4	2
KVTSL 400229	400	401 - 550	4	2
KVTSL 600229	550	551 - 750	4	2
KVTSL 800229	750	751 - 850	8	4
KVTSL 900229	850	851 - 950	8	4
KVTSL 1000229	950	951 - 1050	8	4
KVTSL 1100229	1050	1051 - 1150	8	4
KVTSL 1200229	1150	1151 - 1600	8	4

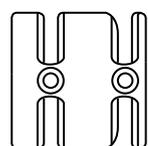
KV TIMBER Timber keep
KV ALUPLAST Aluplast Ideal 60/70



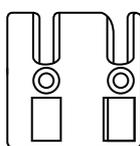
Shootbolt

Fittings suite the highest requirements of corrosion resistance as it reaches the 5th grade standard EN 1670

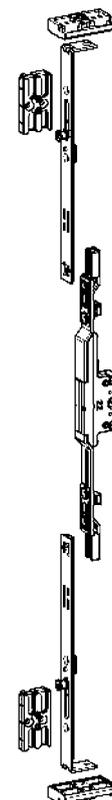
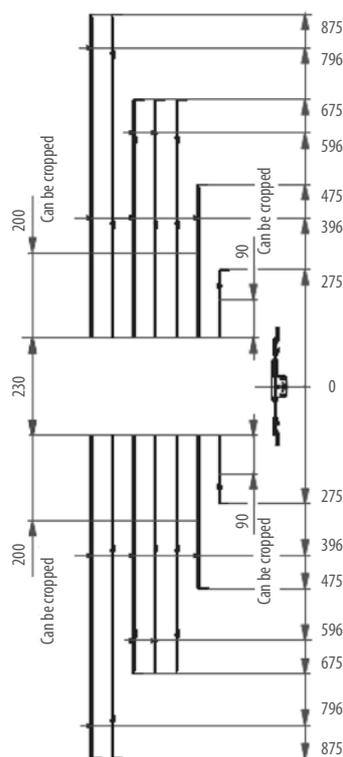
22 MM BACKSET WITH ADJUSTABLE CAMS			
Part code	Faceplate (mm)	Rebate size (mm)	Cams (9,5 mm)
KV YWL			0
KV YWLC			1
KV YWR3	160	370 - 550	0
KV YWR5	360	551 - 950	1
KV YWR7C	560	951-1350	2
KV YWR7	560	951 - 1350	1
KV YWR9	760	1351 - 1750	2



KV TIMBER Timber keep



KV CL Timber keep Left H
KV CR Timber keep Right H



FRICION HINGES

1 Cotswold

Standard

Cotswold's Sinidex stays offer improved security and weather sealing through the use of a Nylon reduced friction end cap. These stays have been designed to offer smooth closure and higher performance for window applications of all sizes.

Available in 6", 8", 10", 12", 16", 20" and 24" top hung and 8", 12" and 16" for side hung applications. Manufactured in the United Kingdom using high grade Austenitic and Ferritic stainless steel. The stays have been proved to a lifetime 30,000 cycle guarantee.

Top Hung	Max vent weight (kg)	Min vent height (mm)	Max vent height (mm)	Opening angle
HS 100 6"	10	150	300	62
HS 083	10	200	300	62
HS 90 10"	16	275	450	90
HS 90 12"	21	350	600	86
HS 90 16"	22	500	750	83
HS 100 20"	24	700	900	42
HS 100 24"	50	850	1500	38

Side Hung	Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
HS 083	18	200	400	62
HS 90 12"	24	300	600	86
HS 90 16"	26	400	700	83
Fire escape				
SP254 10"	21	300	600	80
SP316 16"	21	400	600	84



Egress & Egress Extreme (Fire Escape)

Side Hung	Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
SP312EZ	18	300	600	85°
SP312EZ EXT	30	300	700	85°
SP316EZ	21	400	600	85°
SP316EZ EXT	35	400	800	89°

Initial opening similar to Standard Side Hung Friction Stay. Full opening to 90° providing clear egress in excess of 500 mm on a 600 mm wide vent. Easy to operate thumb catches allow the vent to slide to the easy clean position giving between 100 and 250 mm clear opening.

To reset simply close the window and then re-open to go back to the egress position and close.



FRICTION HINGES

HS90 Extreme

- Maximum vent width of 950 mm and a maximum weight of 35 kg
- Opening angle of 90°
- Tested to 50,000 cycles for durability
- Easy to fit with adjustable friction mechanism
- Overlap slide for enhanced smooth operation
- 2 reinforced austenitic Heavy Duty links for added strength



Side Hung	Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
HS90-12 EXT	30	300	750	87°
HS90-16 EXT	35	400	950	84°

Restrictor Stays



- Cotswold's restrictor stays employ a simple built in child resistant catch, which limits the opening. Opening the window fully is quick and easy one-handed operation for an adult
- The child resistant catch limits the opening to 100 mm maximum when restricted
- Built in quick release levers allow windows to be fully opened for easy cleaning
- The restrictor catch automatically resets when the window is closed.
- Available in 12", 16", 20" and 24" top hung and 12", 16" for side hung applications
- Cost effective alternative to additional restrictor stays
- Manufactured in the United Kingdom using high grade Austenitic and Ferritic stainless steel

Top Hung	Max vent weight (kg)	Min vent height (mm)	Max vent height (mm)	Restricted angle	Opening angle
HSR 201 12"	20	350	600	11°	59°
HSR 201 16"	24	500	750	10°	48°
HSR 20 20"	24	700	900	8,5°	45°
HSR 24 24"	50	850	1200	7,6°	45°
Side Hung	Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle	
HSR 201 L12"	20	300	650	11°	59°
HSR 201 R12"	20	300	650	11°	59°
HSR 216 L16"	24	400	700	10°	48°
HSR 216 R16"	24	400	700	10°	48°

*One standard hinge and one restricted.

FRICION HINGES

HD

• Heavy Duty Handed friction stays for enhanced performance in Top & Side Hung for Timber, UPVC and Aluminium

- Carries commercial vents up to 2,5 m height and 180 kg
- Easy to fit with adjustable friction mechanism
- Smooth and balanced operation
- Effective weather sealing and draught proofing fully concealed once fitted
- Manufactured from high-grade Austenitic stainless steel for maximum longevity even in the most corrosive environments.
- Austenitic stainless steel cap for added strenght
- Self-balancing stay eliminates the need for additional support arms
- Composite steel/plastic slider for strenght, durability and smooth operation
- The Heavy Duty range has been proven to a lifetime 50.000 cycles
- Conforms to all leading international window performance standards in the UK, North America, France and Singapore
- **On any windows over 32 kg we recommend that you fit Heavy Duty Friction Arms (HD102)**
- **Vents of 80 kg must be fitted with Adjustment Blocks, which are optional on lighter vents**

Top Hung	Max vent weight (kg)	Min vent height (mm)	Max vent height (mm)	Opening angle
HD 10 R	50 kg @ 50° & 40 kg @ 84°	270	650	50° & 84°
HD 16 R	100 kg @ 30°, 55 kg @ 50° & 50 kg @ 90°	420	800	30°, 50° or 90°
HDA-18-2,5mm	87	470	1200	27,5°
HD 22 SB	100 kg @ 20° & 80 kg @ 40°	600	1500	20° & 40°
HDA-24T90-2,5 mm	115	620	1800	20°
HD 28	100	730	2200	15°
HD 26-180	180	700	2500	20°

Side Hung	Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
HD 10 R	34,5	300	660	50° & 84°
HD 16 R	42	430	750	30°, 50° or 90°
HD 16 Egress	42	430	750	90°



Cotswold Heavy Duty friction stay adjustment block is compatible with all of Cotswold's Heavy Duty range of friction stays. Provides 5 mm of adjustment using hexagon wrench. Easy to fit with no routing required.

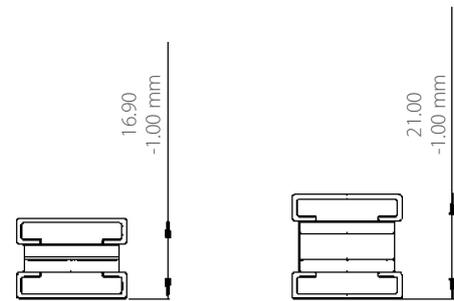


FRICION HINGES

Parallel

PARALLEL OPENING HINGE FOR BOTH COMMERCIAL AND DOMESTIC APPLICATIONS

- Parallel opening windows provide ultimate natural ventilation by allowing air flow around the entire opening.
- Can be used for smoke evacuation vents.
- Can be connected to a building management system as part of an automated solution for climate control.
- Can be operated manually or using electric actuators.
- Hinge mechanism is fully concealed when sash is closed.
- Tested to operate for 25,000 cycles.
- Manufactured from high grade Austenitic stainless steel for maximum performance even in the most corrosive environments.
- Full technical and sales support which will cover consultancy per project basis and on-site advice when necessary.
- Full details of maximum vent sizes and weights are available on our Specification and Application sheets.
- Available in 11", 18" & 36" sizes and 16.9 or 21mm Stack Heights.
- 10 year warranty.



2 Securistyle

Defender Standard



- Extended enclosed end cap to enhance weather sealing
- Long and reliable working life tested to 30,000 cycles
- Patented lipped slider for enhanced smooth operation
- Handed 'profiled' vent arm further enhancing weather seal
- Easy friction adjustment without metal to metal contact
- Unique patented, robust cam friction device eliminates any risk of friction screw misuse
- Available in ferritic 430* as standard or austenitic 304* stainless steel for enhanced corrosion resistance
- Available with built in restrictors
- 10 Year Guarantee (details available upon request)

Top Hung		Max vent weight (kg)	Min vent height (mm)	Max vent height (mm)	Opening angle
13-14 mm	16-17 mm				
EDT6	-	10	150	300	50°
ED8	ED8H6	12	200	350	65°
EDT10	EDT10H6	16	275	400	80°
EDT12	EDT12H6	20	350	550	80°
EDT16	EDT16H6	21	500	780	80°
EDT20	EDT20H6	26	700	1100	50°
EDT24	EDT24H6	40	850	1300	37,5°
EDTH24	EDTH24H6	50	850	1500	32°

Top Hung		Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
ED8	ED8H6				
EDS12	EDS12H6	22	300	600	60°
EDS16	EDS16H6	24	400	700	60°
EDCSM12A-SP	-	21	300	600	90°
EDCSM16A-SP	-	30	400	900	90°

FRICION HINGES

Defender 90

Side Hung		Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
13-14 mm	16-17 mm				
DSW 12	DSW 12 H6	22	300	600	80°
DSW 16	DSW 16 H6	24	400	700	90°



- Long and reliable working life tested to 50,000 cycles
- Asymmetric location system for reliable weather sealing
- Patented lipped slider for enhanced smooth operation
- Easy friction adjustment without metal to metal contact
- Unique patented, robust cam friction device eliminates any risk of friction screw misuse
- Available in 12" or 16" for side hung windows
- **Austenitic 304* stainless steel for enhanced corrosion resistance**
- 10 Year Guarantee (details available upon request)
- **Up to 90° opening**

Defender Egrees (Fire Escape)



- Allows casement windows to fully open to 90° for emergency exit
- Composite slider with stainless steel release lever mechanism allows cleaning access from the inside of the building
- Automatically resets to the fire escape mode when the window is closed
- Self lubricating PTFE based coating on end cap provides smooth closing
- Die cast support plate in bottom slider ensures consistent performance
- Available in 12" or 16" for side hung windows
- Drilling jigs for all sizes are available to order
- Available in ferritic 430* as standard or austenitic 304* stainless steel for enhanced corrosion resistance
- 10 or 12 Year Guarantee dependant on material selection (details available upon request)

Side Hung		Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
13-14 mm	16-17 mm				
EDSE12	EDSE12H6	22	300	600	80°
EDSE16	EDSE16H6	24	400	700	90°

FRICION HINGES

Defender Restricted

- Built-in child resistant mechanism limits initial opening
- Extended enclosed end cap to enhance weather sealing
- Built-in quick release lever allows the window to be fully opened for easy cleaning, total ventilation
- Available in 12" to 24" top hung and 12" and 16" side hung
- Available in ferritic 430* as standard or austenitic 304* stainless steel for enhanced corrosion resistance
- 10 Year Guarantee (details available upon request)



* one standard hinge and one restricted

Top Hung		Max vent weight (kg)	Min vent height (mm)	Max vent height (mm)	Restricted opening angle	Max opening angle
13-14 mm	16-17 mm					
EDTR12	EDTR12H6	20	350	550	14°	65°
EDTR16	EDTR16H6	21	500	780	10°	59°
EDTR20	EDTR20H6	26	700	1100	8°	50°
EDTR24	EDTR24H6	40	850	1300	7°	37,5°

Side Hung		Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Restricted opening angle	Max opening angle
13-14 mm	16-17 mm					
EDSR12-PL*	EDSR12H6-PL*	22	300	600	13°	58°
EDSR12-PR*	EDSR12H6-PR*	22	300	600	13°	58°
EDSR16-PL*	EDSR16H6-PL*	24	400	700	11°	58°
EDSR16-PR*	EDSR16H6-PR*	24	400	700	11°	58°

Sterling

- Capable of achieving all leading international standards
- Unrivalled weather sealing
- Superior carrying capacity
- Available in 10" to 26" top hung (projecting) and 10" and 16" side hung (casement)
- Track width 23 mm
- Standard and offset variants available
- Suitable for 16-18 mm cavity
- Austenitic stainless steel for enhanced corrosion resistance
- 12 Year Guarantee (details available upon request)



Top Hung	Max vent weight (kg)	Min vent height (mm)	Max vent height (mm)	Opening angle
SPT10	40	270	640	50°
SPT12	50	640	800	50°
SPT16	65	800	1100	50°
SPT16W	65	800	1100	50°
SPTH16*	100	600	1100	30°
SPT22*	100	1100	1500	45°
SPT22W*	100	1500	2000	20°
SPT26*	180	2000	2500	20°

Side Hung	Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
SPS10	38	300	660	85°
SPS16	47	450	838	90°
SPSH16	55	450	840	60°

* Vents of 100 kg must be fitted with S7280 cam adjustment devices which are optional for lighter vents. Separate restrictors, vent holding devices or an operating mechanism may be required to hold large vents in a selected ventilation position against variable wind pressure.

FRICITION HINGES

Storm



- Self balancing hinge range
- Unrivalled weather sealing
- Small opening gap ensures greater security for occupants
- Capable of achieving high gust loading
- Austenitic 304* stainless steel throughout
- Note: Pivot design provides additional friction at angles of 10° or less
- However, it may be necessary to fit additional separate device(s) on top hung vents to enable them to remain in a selected ventilation position
- 12 Year Guarantee (details available upon request)

Top Hung	Max vent weight (kg)	Min vent height (mm)	Max vent height (mm)	Opening angle
STORMB10	37	270	640	50°
STORMB12	45	640	800	50°
STORMB16	55	790	1100	50°
STORMB22	75	1100	1500	45°
STORMB26*	120	1270	2200	20°

Side Hung	Max vent weight (kg)	Min vent width (mm)	Max vent width (mm)	Opening angle
STORMBS10	38	300	660	85°
STORMBS16	47	450	838	90°
STORME16	47	450	838	90°

* Vents of 100 kg must be fitted with S7280 cam adjustment devices which are optional for lighter vents separate restrictors, vent holding devices or an operating mechanism may be required to hold large vents in a selected ventilation position against variable wind pressure.

Parallel Plus

- Parallel Plus vents can be restricted to 40 mm openings and still provide whole perimeter ventilation and effective air exchange. (Tested and proven at the BRE)
- Vents weighing up to 200 kg can be manually operated. However, it is possible to create much larger motorised vents and recommend you contact the technical department for advice regarding project specific hardware specifications.
- Small opening gap ensures greater security for occupants
- A modular solution for vent capacity where larger or non rectangular shaped vents may be carried with a combination of product. It is recommended you contact us for advice regarding project specific hardware specification.
- Sash adjustment feature to correct parallelism on tall heavy vents
- A reliable working life tested to 20,000 cycles
- Full technical and sales support available
- Austenitic stainless steel for high corrosion resistance
- 12 Year Guarantee (details available upon request)

Part code	Description
PX0250	Parallel Plus hinge 250 mm
PX0350L / PX0350R	Parallel Plus hinge L/R hand 350 mm
PX0450L / PX0450R	Parallel Plus hinge L/R hand 450 mm
PX0670L / PX0670R	Parallel Plus hinge L/R hand 670 mm
PX0950L / PX0950R	Parallel Plus hinge L/R hand 925 mm

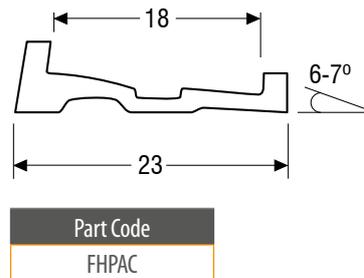


FRICTION HINGES

3 Ancillary Devices

Friction Hinge Packer

- Fantastic product for squaring the friction hinge on a bevelled sill
- 425 mm long to take 12" and 16" friction hinges
- Accepts all standard eurogroove friction hinges
- Easy to fit with adjustable friction mechanism
- Manufactured from durable plastic that can be drilled or screwed
- Angle 6-7°



Cavity Fit Restrictor

- Tested to BS 6375 Part 2 to withstand a force of 600N when opened at the restricted position
- Austenitic 304* stainless steel for enhanced corrosion resistance
- Compatible with all domestic hinges including Egress Easy Clean
- 10 Year Guarantee (details available upon request)



Cavity Fit Restrictor	
Part Code	Cavity Size (mm)
RC1L	-
RC1R	-
SC1	13
SC2	16
SC3	17



Vector Excluder ASD

- A secure solution to windows offering egress and easy external access without affecting the opening and closing performance of the hinge
- Test performance which can consistently exceed PAS 24
- Visibly effective yet unobtrusive
- Suitable for cavity sizes from 13 mm to 18 mm
- Easy to fit with no routing
- No maintenance required
- 10 Year Guarantee (details available on request)



VECTOR EXCLUDER Ancillary Security Device	
Part Code	Minimum Cavity Size (mm)
ASD1	13
ASD2	16

FRICTION HINGES

Detachable Restrictor

- Easy to fit with no routing
- Non-handed product
- Suitable for 16-18 mm cavity heights
- Compatible with all commercial hinges

DETACHABLE RESTRICTOR		
Part Code	Max vent weight (kg)	Opening angle
SDR4	150	101,6
SDR6	200	152,4
SDR8	200	203,2
SDR10	250	254
R7437		key

- Austenitic 304* stainless steel for enhanced corrosion resistance
- 10 Year Guarantee (details available upon request)



SD/HD Restrictor Stays



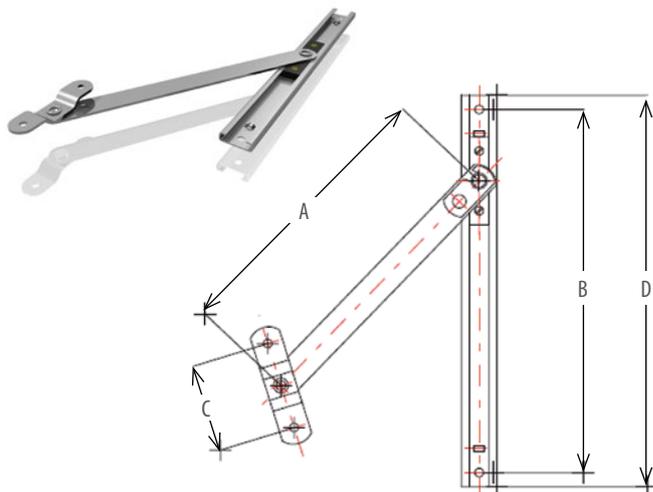
- The restrictor allows the vent to open until the slider engages against the opening stop in the track
- Device provides additional friction for windows
- 10 Year Guarantee (details available upon request)

SD RESTRICTOR STAYS	
Part Code	Restricts the opening to (mm)
RS4 (SD)	100 or less
RS6 (SD)	80 to 200
RS9 (SD)	100 to 300
SR4 (HD)	100 or less
SR6 (HD)	80 to 200
SR8 (HD)	100 to 300

FA102 / HD102 Friction Arm

SD RESTRICTOR STAYS					
Sizes available	FA-10"	FA-14"	FA-18"	FA-20"	HD-10"
"A" Ref	180	267	368	420	214
"B" Ref	250	340	440	493	242
"C" Ref	57,2	57,2	57,2	57,2	57,2
"D" Ref	268	356	457	508	260

- On side-hung windows supported by standard butt hinges or friction stays the friction arm offers distinct advantages over the conventional peg stay
- For large top-hung vents the friction arm can be used as an extra support by fitting it below the existing friction stay. This has the effect of limiting the opening



FRICITION HINGES

Pull in Blocks

Maintains effective weather seal and reduces bowing on large top hung windows

- Suitable for use with Sterling and Storm Balance commercial top hung windows
- No routing or drilling of profile required
- Retro-fittable design allows upgrade of existing windows
- Adjustable design allows the product to suit application and profile
- Give attractive 'optional extra' feature



COMMERCIAL PULL IN BLOCKS

Part Code	Cavity size (mm)
CPB1	16-18

Traditional Window Furniture

Black Antique Monkeytail Fastener – Locking

- Slim faceplate for narrow and wide frames
- Suits all modern Espagnolette systems with 43 mm pitch
- Faceplate (68 mm x 20 mm)
- 7 mm x 7mm Spindle projects 43 mm
- Supplied with 2 M5 x 50 mm Screws

MONKEYTAIL FASTENERS AND STAYS

Part Code	Description
MBALEL	Monkeytail fastener L
MBALER	Monkeytail fastener R
MBA08ST	Monkeytail Stay 8"
MBA10ST	Monkeytail Stay 10"
MBA12ST	Monkeytail Stay 12"



Bulb end non-locking casement fastener

- Complete with hook plate and mortice plate
- Comes with screws
- Non-handed
- Backplate: 58 x 21 mm

BULB END FASTENER AND STAYS

Part Code	Description
CAM/BUFASTENER	Bulb end non-locking fastener
CAM/BUSTAY08	Bulb end Stay 8"
CAM/BUSTAY10	Bulb end Stay 10"
CAM/BUSTAY12	Bulb end Stay 12"



HANDLES

Virage

- Ergonomic design for comfort against the opening stop in the track
- Positive stop on offset espagnolette and cockspur to ensure accurate in-line closure
- Key dead locking available for added security
- Non locking, green push button version for emergency escape
- Locking and non locking versions available with black button
- In-line espagnolette version for slimline profiles and non-handed applications
- Push to unlatch mechanism
- 10 Year Guarantee for Virage espagnolette and in-line variants (details available upon request)

VIRAGE HANDLES – LEFT

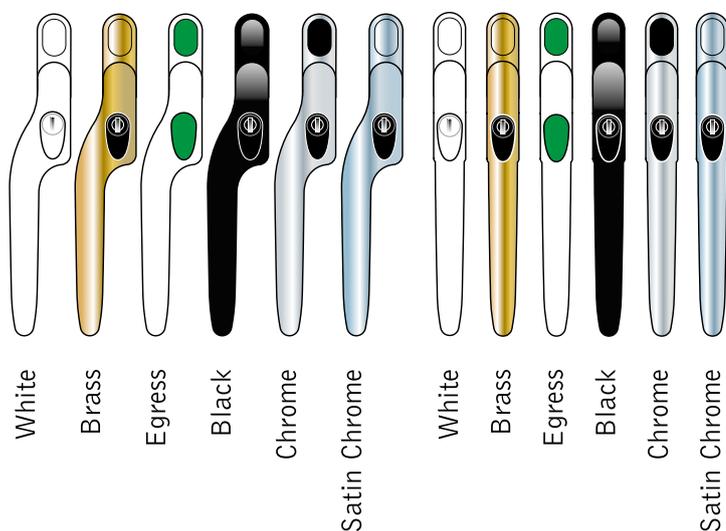
White	Brass	Chrome	Stain Chrome	Black
EBC40WHL	EBC40BSL	EBC40CHL	EBC40SCL	EBC40BKL

VIRAGE HANDLES – RIGHT

White	Brass	Chrome	Stain Chrome	Black
EBC40WHR	EBC40BSR	EBC40CHR	EBC40SCR	EBC40BKR

VIRAGE HANDLES – IN-LINE

White	Brass	Chrome	Stain Chrome	Black
EBI40WH	EBI40BS	EBI40CH	EBI40SC	EBI40BK



SASH

WINDOWS

SASH WINDOWS

Sash Pulleys



SASH PULLEYS				
	Part code	Finish	Wheel	Load
1 3/4"	AH SP 175 BR	Brass	Brass	50 kg
1 3/4"	AH SP 175 CHR	Chrome	Chrome	50 kg
1 3/4"	AH SP 175 SCR	Satin Chrome	Satin Chrome	50 kg
1 3/4"	AH SP 175 ABR	Antique Brass	Antique Brass	50 kg
1 3/4"	AH SP 175 SNR	Satin Nickel	Satin Nickel	50 kg
1 3/4"	RTSP994-175RE-WHITE	White	Chrome	50 kg
1 3/4"	RTSP991-175RE	Galvanized	Nylon	25 kg
2"	RTSP995-2RE-PBL	Brass	Brass	50 kg
2"	RTSP995-2RE-PCP	Chrome	Chrome	50 kg
2"	SBB2SCR	Satin Chrome	Satin Chrome	80 kg
2"	SBB2RABR	Antique Brass	Antique Brass	80 kg
2"	SBB2SNR	Satin Nickel	Satin Nickel	80 kg
2 1/4"	RTSP995SG-225RE-PBL	Brass	Brass	50 kg
2 1/4"	RTSP995SG-225RE-PCP	Chrome	Chrome	50 kg
2 1/4"	SBB225RABR	Antique Brass	Antique Brass	80 kg
2 1/4"	SBB225RSN	Satin Nickel	Satin Nickel	80 kg

Sash Cord



SASH CORD	
Product Code	Description
RTCOR4N/12,5m	6mm Nylon Sash Cord (12,5m)
RTCOR4N/100m	6mm Nylon Sash Cord (100m reel)
RTCOR4N/200m	6mm Nylon Sash Cord (200m reel)
RTCOR4W	6mm Waxed Sash Cord (12,5m)

Solid Brass Accessories

Finish	Description	Part Code
Brass	Fitch Fast. & Keep Non Locking LB	UK801LB
Chrome	Fitch Fast. & Keep Non Locking CH	UK801CH
Satin Chrome	Fitch Fast. & Keep Non Locking SCR	UK801SC
Antique Brass	Fitch Fast. & Keep Non Locking ABR	UK801ABR
Satin Nickel	Fitch Fast. & Keep Non Locking SN	UK801SN
Brushed Nickel	Fitch Fast. & Keep Non Locking BN	UK801BN



Finish	Description	Part Code
Brass	Fitch Fast. & Keep Locking LB	UK802LB
Chrome	Fitch Fast. & Keep Locking CH	UK802CH
Satin Chrome	Fitch Fast. & Keep Locking SCR	UK802SC
Antique Brass	Fitch Fast. & Keep Locking ABR	UK802ABR
Satin Nickel	Fitch Fast. & Keep Locking SN	UK802SN
Brushed Nickel	Fitch Fast. & Keep Locking BN	UK802BN
Antique Copper	Fitch Fast. & Keep Locking AC	UK802AC
Antique Nickel	Fitch Fast. & Keep Locking AN	UK802AN
Bronze	Fitch Fast. & Keep Locking BRO	UK802BRO
White	Fitch Fast. & Keep Locking WH	UK802WH



Finish	Description	Part Code
Brass	Ball Claw Catch & Keep Locking LB	UK804LB
Chrome	Ball Claw Catch & Keep Locking CH	UK804CH
Satin Chrome	Ball Claw Catch & Keep Locking SCR	UK804SC
Antique Brass	Ball Claw Catch & Keep Locking ABR	UK804AB
Brushed Nickel	Ball Claw Catch & Keep Locking BN	UK804BN
Antique Copper	Ball Claw Catch & Keep Locking AC	UK804AC
Antique Nickel	Ball Claw Catch & Keep Locking AN	UK804AN
Bronze	Ball Claw Catch & Keep Locking BRO	UK804BRO
White	Ball Claw Catch & Keep Locking WH	UK804WH



Finish	Description	Part Code
Brass	Brighton Fastener LB – Slimline	UK805LB
Brass	Brighton Fastener LB	UK815LB
Chrome	Brighton Fastener CH – Slimline	UK805CH
Chrome	Brighton Fastener CH	UK815CH
Satin Chrome	Brighton Fastener SCR – Slimline	UK805SC
Satin Chrome	Brighton Fastener SCR	UK815SC
Antique Brass	Brighton Fastener ABR	UK805ABR
Brushed Nickel	Brighton Fastener BN – Slimline	UK805BN
Antique Copper	Brighton Fastener AC	UK805AC
Antique Nickel	Brighton Fastener AN	UK805AN
Bronze	Brighton Fastener BRO	UK805BRO
White	Brighton Fastener WH	UK805WH



SASH WINDOWS

Finish	Description	Part Code
Brass	Straight Arm Fastener LB	BEE/LB
Chrome	Straight Arm Fastener CHR	BEE/CHR
Satin Chrome	Straight Arm Fastener SCR	BEE/SCR
Antique Brass	Straight Arm Fastener ABR	BEE/AB
Antique Copper	Straight Arm Fastener AC	BEE/AC
Antique Nickel	Straight Arm Fastener AN	BEE/AN
Bronze	Straight Arm Fastener BRO	BEE/BRO
White	Straight Arm Fastener WH	BEE/WH



Finish	Description	Part Code
Brass	Hook Sash Lift LB	UK807LB
Chrome	Hook Sash Lift CH	UK807CH
Satin Chrome	Hook Sash Lift SCR	UK807SC
Antique Brass	Hook Sash Lift ABR	UK807ABR
Satin Nickel	Hook Sash Lift SN	UK807SN
Brushed Nickel	Hook Sash Lift BN	UK807BN
Antique Copper	Hook Sash Lift AC	UK807AC
Antique Nickel	Hook Sash Lift AN	UK807AN
Bronze	Hook Sash Lift BRO	UK807BRO
White	Hook Sash Lift WH	UK807WH



Finish	Description	Part Code
Brass	Ring Sash Lift LB	UK806LB
Chrome	Ring Sash Lift CH	UK806CH
Satin Chrome	Ring Sash Lift SCR	UK806SC
Antique Brass	Ring Sash Lift ABR	UK806ABR
Satin Nickel	Ring Sash Lift SN	UK806SN
Brushed Nickel	Ring Sash Lift BN	UK806BN
Antique Copper	Ring Sash Lift AC	UK806AC
Antique Nickel	Ring Sash Lift AN	UK806AN
Bronze	Ring Sash Lift BRO	UK806BRO
White	Ring Sash Lift WH	UK806WH



Finish	Description	Part Code
Brass	Dee Handle LB	UK808LB
Chrome	Dee Handle CH	UK808CH
Satin Chrome	Dee Handle SCR	UK808SC
Antique Brass	Dee Handle ABR	UK808ABR
Satin Nickel	Dee Handle SN	UK808SN
Brushed Nickel	Dee Handle BN	UK808BN
Antique Copper	Dee Handle AC	UK808AC
Antique Nickel	Dee Handle AN	UK808AN
Bronze	Dee Handle BRO	UK808BRO
White	Dee Handle WH	UK808WH



Modern Sash Accessories

820 Series

820 SERIES SASH LOCKS

Finish	Product code - Lock	Product code - Keep	Description
Chrome	UK820CH	UK821CH	Modern sash lock + keep (locking) CH
Gold	UK820G	UK821G	Modern sash lock + keep (locking) G
White	UK820W	UK821W	Modern sash lock + keep (locking) WH



820 SERIES ACCESSORIES – HOOK SASH LIFT

Finish	Product code - Lock	Description
Chrome	UK822CH	Hook sash lift CH
Gold	UK822G	Hook sash lift G
White	UK822W	Hook sash lift WH



820 SERIES ACCESSORIES - RING SASH LIFT

Finish	Product code - Lock	Description
Chrome	UK823CH	Ring sash lift CH
Gold	UK823G	Ring sash lift G
White	UK823W	Ring sash lift WH



AH Series

AH SERIES SASH LOCKS

Finish	Product code - Lock + Keep	Description
Chrome	SECLOCKCHR	Modern sash lock + keep (locking) CH
Satin Chrome	SECLOCKSCR	Modern sash lock + keep (locking) SCR
Satin Nickel	SECLOCKSN	Modern sash lock + keep (locking) SN
Antique Brass	SECLOCKABR	Modern sash lock + keep (locking) ABR
Gold	SECLOCKGLD	Modern sash lock + keep (locking) G
White	SECLOCKWHT	Modern sash lock + keep (locking) WH



AH SERIES HOOK SASH LIFTS

Finish	Product code	Description
Chrome	SLCHR	Hook sash lift CH
Satin Chrome	SLSMZ	Hook sash lift SCR
Satin Nickel	SLSNZ	Hook sash lift SN
Antique Brass	SLABRZ	Hook sash lift ABR
Gold	SLPVDZ	Hook sash lift G
White	SLWHZ	Hook sash lift WH



SASH WINDOWS

AH SERIES RING SASH LIFTS

Finish	Product code	Description
Chrome	RPSLCHR	Ring sash lift CH
Satin Chrome	RPSLSCZ	Ring sash lift SCR
Satin Nickel	RPSLSNZ	Ring sash lift SN
Antique Brass	RPSLABRZ	Ring sash lift ABR
Gold	RPSLPVDZ	Ring sash lift G
White	RPSLWHZ	Ring sash lift WH



Heritage Fitch Fasteners

Finish	Product Code - Lock + Keep	Description
Chrome	HERITLOCKCH	Heritage Locking Fitch Fastener CH
Satin Chrome	HERITLOCKSC	Heritage Locking Fitch Fastener SCR
Satin Nickel	HERITLOCKSN	Heritage Locking Fitch Fastener SN
Antique Brass	HERITLOCKABR	Heritage Locking Fitch Fastener ABR
Gold	HERITLOCKPVD	Heritage Locking Fitch Fastener G



Finish	Product Code	Description
Chrome	UK807CH	Hook sash lift CH
Satin Chrome	SLSCZ	Hook sash lift SCR
Satin Nickel	SLSNZ	Hook sash lift SN
Antique Brass	SLABRZ	Hook sash lift ABR
Gold	SLPVDZ	Hook sash lift G



Finish	Product Code	Description
Chrome	UK806CH	Ring sash lift CH
Satin Chrome	RPSLSCZ	Ring sash lift SCR
Satin Nickel	RPSLSNZ	Ring sash lift SN
Antique Brass	RPSLABRZ	Ring sash lift ABR
Gold	RPSLPVDZ	Ring sash lift G



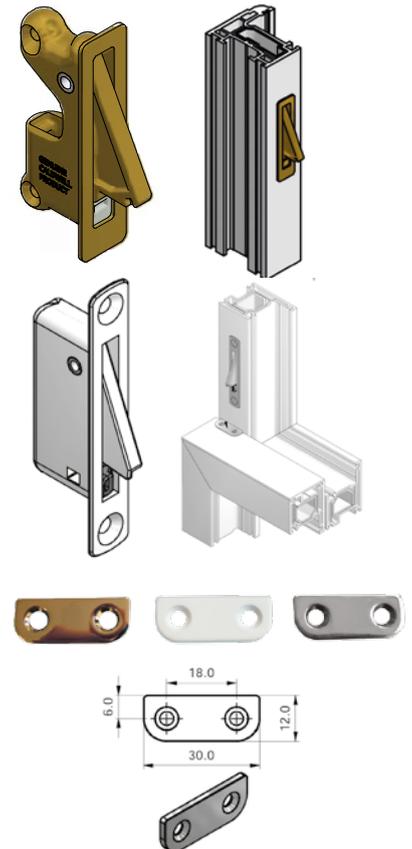
Travel restrictor PE

Caldwell's new design of Single stage roller restrictor provides a convenient, simple and cost effective option to restrict the amount of opening on sash windows. They are discreet in appearance and location and offer enhanced safety and security for a wide range of PVC, timber and aluminium profiles. The spring loaded tongue is lockable in both the flush and projecting position. The face fixed feature offers simple installation, as well as ease of replacement and retro-fitting if ever required.

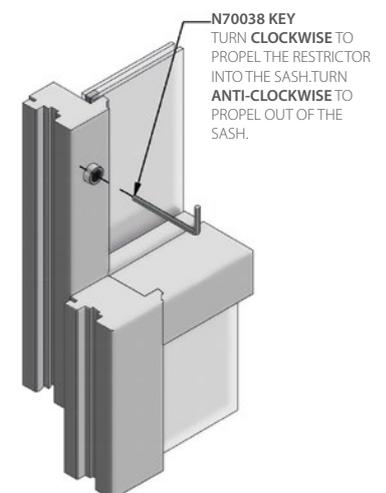
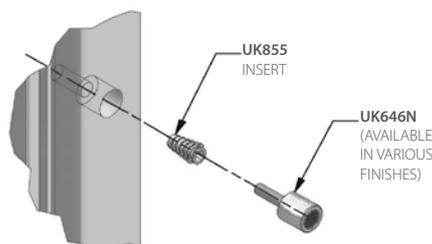
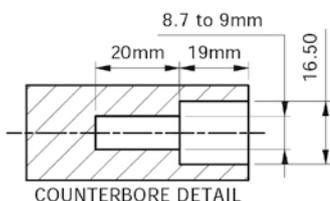
Finish	Product Code	Description
Chrome	PE401CH	Travel restrictor CH
Gold	PE401DG	Travel restrictor G
White	PE401WH	Travel restrictor WH
Brushed Nickel	PE401BN	Travel restrictor BN

Finish	Product Code	Description
Chrome	PE633CH	Travel restrictor face fix CH
Gold	PE633DG	Travel restrictor face fix G
White	PE633WH	Travel restrictor face fix WH
Brushed Nickel	PE633BN	Travel restrictor face fix BN

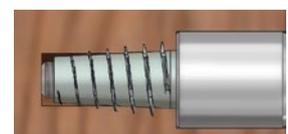
Finish	Product Code	Description
Chrome	UK737CH	Strike plate CH
Gold	UK737DG	Strike plate G
White	UK737WH	Strike plate WH
Brushed Nickel	UK737BN	Strike plate BN



Single Stage Roller Restrictor



Finish	Product Code	Description
Chrome	UK646NCH	Single stage roller restrictor CH
Gold	UK646NDG	Single stage roller restrictor G
White	UK646NHIPCAWHITE	Single stage roller restrictor WH
Brushed Nickel	UK646NBN	Single stage roller restrictor BN
Stainless Steel	UK646NST	Single stage roller restrictor ST
Brass	UK646NPB	Single stage roller restrictor PB
	UK855	Wood insert
	N70038	Allen key



Angel Ventlock

Finish	Product code	Description
Chrome	ANGELFCH	Angel Ventlock CH
Satin Chrome	ANGELFSC	Angel Ventlock SCR
Satin Nickel	ANGELFSN	Angel Ventlock SN
Antique Brass	ANGELFABR	Angel Ventlock ABR
Gold	ANGELF	Angel Ventlock G
White	ANGELFWH	Angel Ventlock WH



Push Ventlock

The Ventlock allows the sash to be left opened a few inches without compromising security or safety. Secured By Design registered.

Finish	Product code	Description
Chrome	PUSHVLCH	Push Ventlock CH
Satin Chrome	PUSHVLSC	Push Ventlock SCR
Gold	PUSHVL	Push Ventlock G



Locking Ventlock

Finish	Product code	Description
Chrome	VLCH	Locking Ventlock CH
Satin Chrome	VLSC	Locking Ventlock SCR
Gold	VL	Locking Ventlock G



Strike Plates

Finish	Product code	Description
Chrome	STRIKECH	Strike Plate CH
Satin Chrome	STRIKESC	Strike Plate SCR
Gold	STRIKE	Strike Plate G
White	STRIKEWHTP	Strike Plate WH

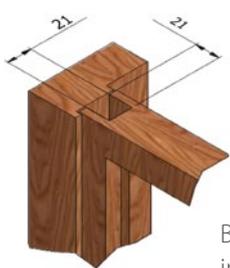


SASH WINDOWS

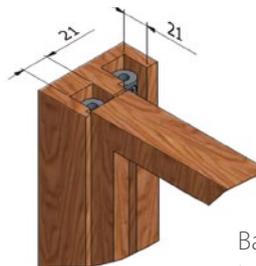
Sash Balances

	<p>Spirex</p> <p>Key features & design specifications:</p> <ul style="list-style-type: none"> • 14 mm silver aluminium tubes, • White & brown sleeves available, • Holds sash weights up to 13.5 kg, • 5 year warranty, • Up to 30% mechanical efficiency
	<p>Ultralift</p> <p>Key features & design specifications:</p> <ul style="list-style-type: none"> • Ø17 mm tubes, • White, brown, grey & cream sleeves available, • Holds sash weights between 4.5-31 kg, • 10 year warranty, • Up to 70% mechanical efficiency
	<p>Torso</p> <p>Key features & design specifications:</p> <ul style="list-style-type: none"> • Ø17 mm tubes (up to 25 kg), • Ø19 mm tubes (up to 50 kg), • Ø25 mm tubes (up to 65 kg), • White, brown & grey sleeves available, • Holds sash weights between 2.5-65 kg, • 10 year warranty, • Up to 70% mechanical efficiency

SASH FIXINGS



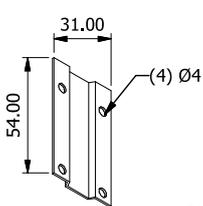
Balances housed in sash



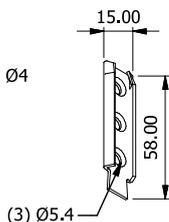
Balances housed in outer frame



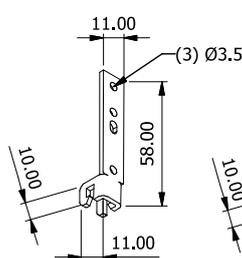
SIDE FIX BRACKETS



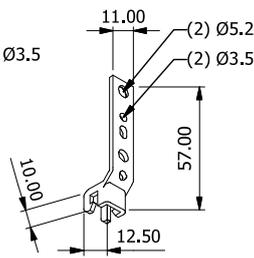
UK121



UK835



UK120
(FOR SPIRAL & TORSO BALANCES)



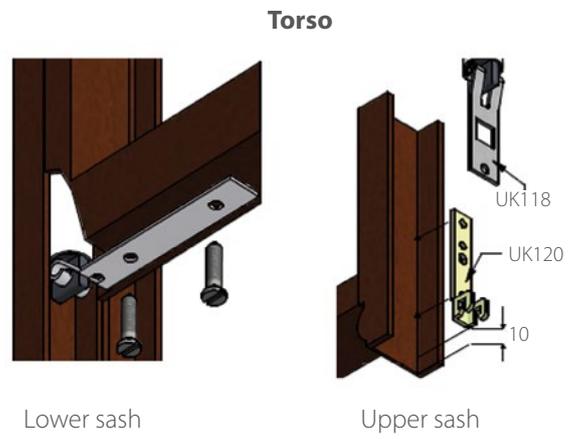
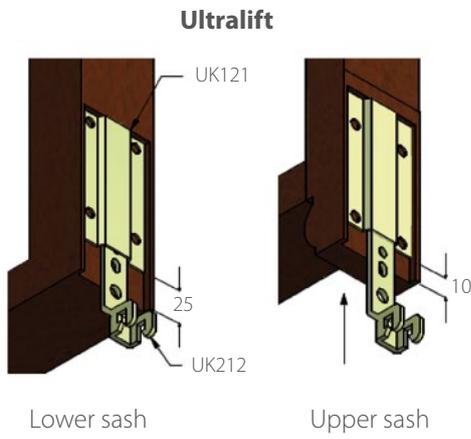
UK212
(FOR ULTRALIFT BALANCES)



UK190N
Upper Sash Travel Stop
– 120 mm Long
– Locates on Cill



UK190N
Lower Sash Travel Stop
– 38 mm Long
– Locates at Head



CONVENTIONAL TIMBER VS BALANCE ORDER FORM

Ref.	Order number	Quantity of windows	DIM "W" mm	DIM "A" mm	DIM "B" mm	DIM "C" mm	DIM "D" mm	Size of horn	Glazing config.	Glazed sash weight kg
1										UPPER
										LOWER
2										UPPER
										LOWER
3										UPPER
										LOWER
4										UPPER
										LOWER
5										UPPER
										LOWER
6										UPPER
										LOWER
7										UPPER
										LOWER
8										UPPER
										LOWER
9										UPPER
										LOWER
10										UPPER
										LOWER

Balances housed in sash

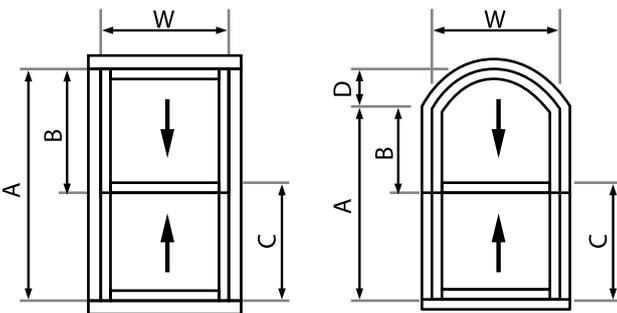
Balances housed in outer frame

WOOD TYPE

Softwood

Hardwood

Oak



DIMENSIONS REQUIRED

A – Under the head onto sill (sash run)

B – Height of upper sash excluding horns (if fitted)

C – Height of lower sash

D – From top of sash to balances fixing position (arch top only)

W – Width of sashes

NOTE: Sash weights are based on 50mm square profile in softwood unless otherwise stated.

For accuracy it is preferable that you provide a fully glazed sash weight.

We cannot accept responsibility for goods supplied incorrectly if accurate sash weights have not been provided.

DOOR
HARDWARE

DOOR HARDWARE

Ventas French Door Locking System

- 3 x 20 mm brass forged tapered deadbolts
- Full adjustment on every locking point
- Extension incorporating deadbolt (MASTER) and adjustable keep (SLAVE) for taller doors
- Lever lock mechanism for master and slave door for ease of use
- 45mm backset for slave and master lock for easy sash preparation
- Adjustable strike plates designed to finish flush with 20 mm face plate so the product doesn't sit proud of edge of the door
- Face plate and drive bar manufactured from stainless steel
- PAS 24 accredited, for single and French doors
- Anti fouling device fitted to slave lock ensuring you have to lock master before locking slave door



SLAVE EXTENSION

600 mm Slave Extension with integral adjustable keep to accept master extension



LATCH STRIKE

Adjustable centre Latch Strike, to suit a centre lock position on a 56 mm door. On thicker doors use an offset lock. Alternatively enquire with the sales team about.



REBATE LATCH STRIKE

Keep designed for rebated stiles. Please refer to profile drawing option 2.



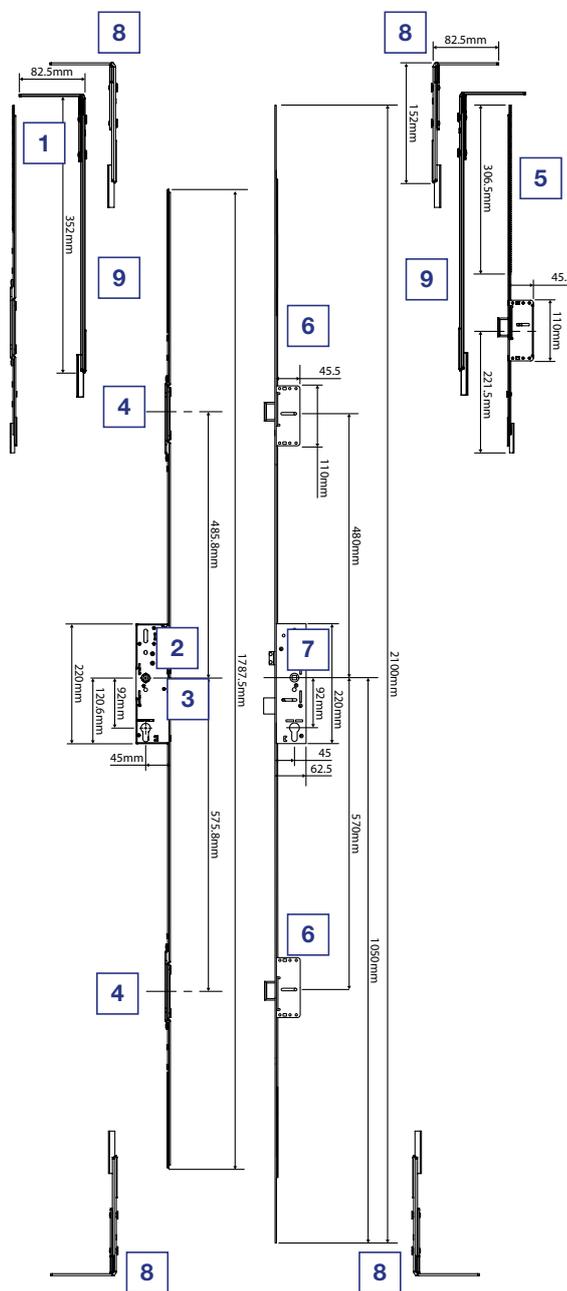
ANTI FOUL DEVICE

Feature that ensures slave lock must be thrown before master lock is secured



DEADBOLT STRIKE

Fully adjustable flush deadbolt strikes with +/- 2 mm of adjustment



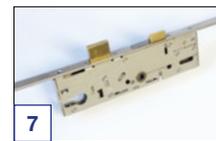
MASTER EXTENSION

600 mm Master Extension with integral high security forged brass linear bolt.



TAPERED DEADBOLT

2x high security forged linear bolts with 22 mm throw and a tapered lead in.



SPLIT SPINDLE OPTION for single door application

Master lock has a split spindle option as standard, with a snib facility for de-latching.



DOUBLE LAMINATED SHOOTBOLT

Extra enhanced security shootbolt for improved resistance to forced entry.

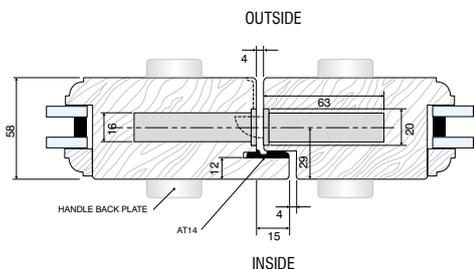


EXTENDED SHOOTBOLT

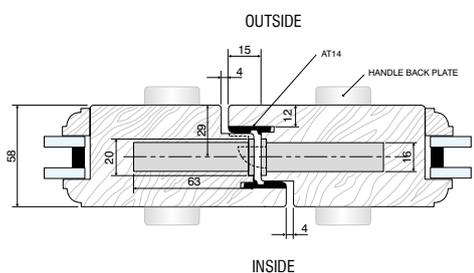
To use on doors with heights between 2100 mm and 2280 mm. Also double laminated.

DOOR HARDWARE

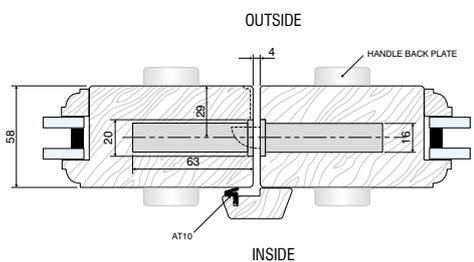
OPTION 1: LOCKING SYSTEM FOR SINGLE REBATED DOORS



OPTION 2: LOCKING SYSTEM FOR DOUBLE REBATED DOOR

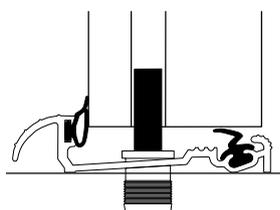
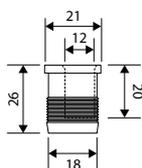


OPTION 3: LOCKING SYSTEM FOR SQUARE EDGE DOOR

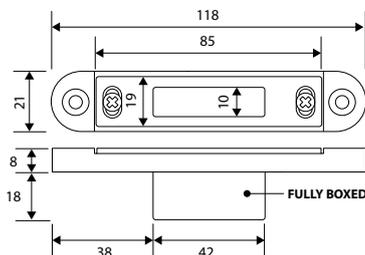


FLUSH SHOOTBOLT STRIKES

The TDK single shoot bolt keep is eccentric in its adjustment and is probably the best available option for securing the shootbolt into aluminium or timber thresholds. Twin shoot bolt striker also shown.



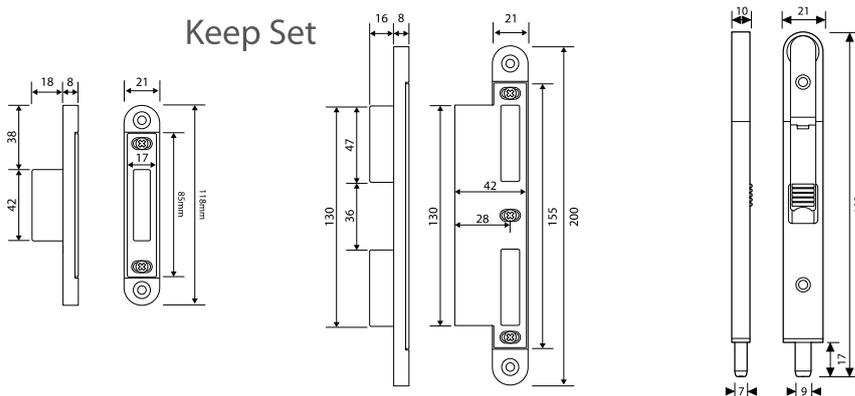
Twin Shootbolt Striker



Product Code	Description
TDKVH45	Ventas 45mm Master Lock 2 Dedbolts
TDKVF45	Ventas 45 mm Slave Lock
TDKACS2	Shootbolt Top/Bottom Short
TDKVTSBEX	Shootbolt Long
TDKAMEX	600 mm Master Extension
TDKASEX	600 mm Slave Extension
TDKVRK	Narrow keep for double rebated door
TDKFBWE	Flush Bolt
TDKSSR	Single Shootbolt Keep
TDKSSST	Twin Shootbolt Keep
TDKVCK	One Piece Keep
TDKKS56	56 mm Single Door 3 Piece Keep Set

Flush Bolt

Keep Set



Ventas Sizing Chart

	MASTER			
	TDKVH45	TDKACS2	TDKVTSBEX	TDKAMEX
1770-2100	1	2	–	–
2101-2300	1	1	1	–
2301-2700	1	2	–	1
2701-2900	1	1	1	1

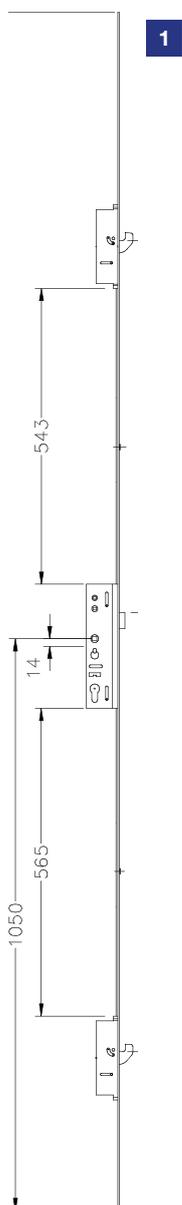
	SLAVE			
	TDKVF45	TDKACS2	TDKVTSBEX	TDKASEX
1770-2100	1	2	–	–
2101-2300	1	1	1	–
2301-2700	1	2	–	1
2701-2900	1	1	1	1

Multi-point Door Lock „Lockmaster“

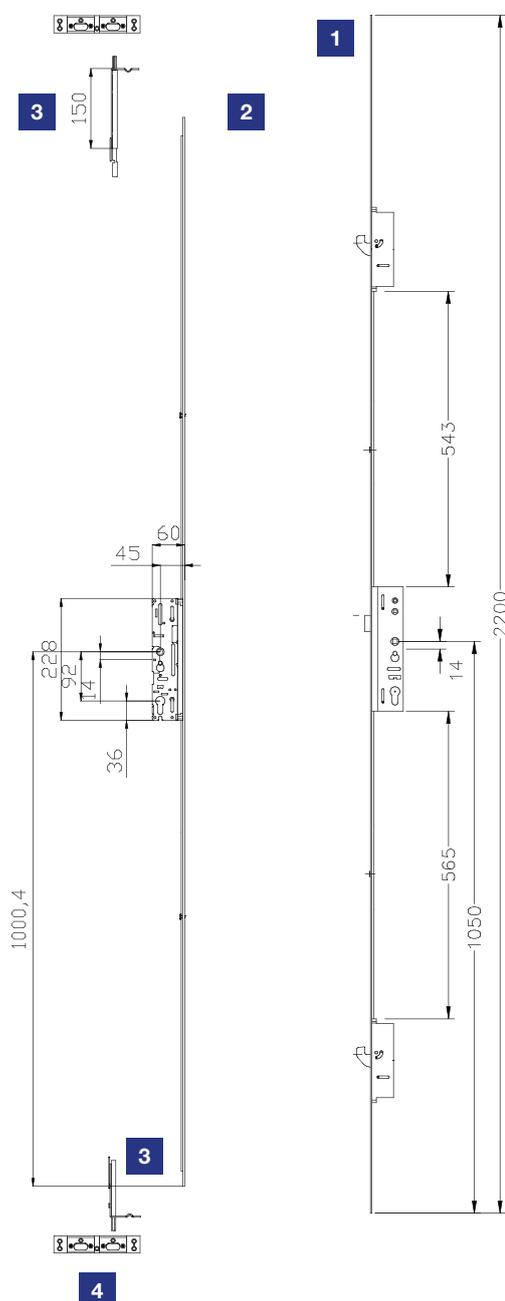
- 2 Hooks, Deadbolt and Reversible Latch
- 45 mm backset
- PZ 92 mm centre case
- 16 mm faceplate
- Lever operation
- Corrosion resistance to EN1670:2007 Grade 4
- Tested to a minimum of 100.000 cycle operational lifespan



Single Door

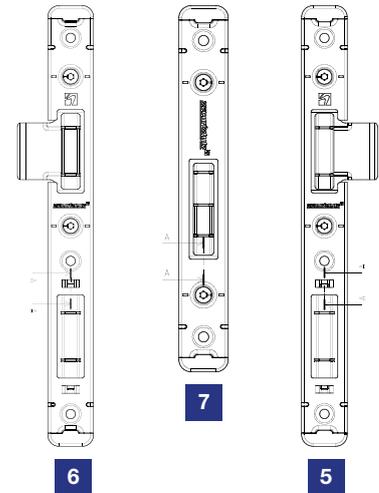


French Door



DOOR HARDWARE

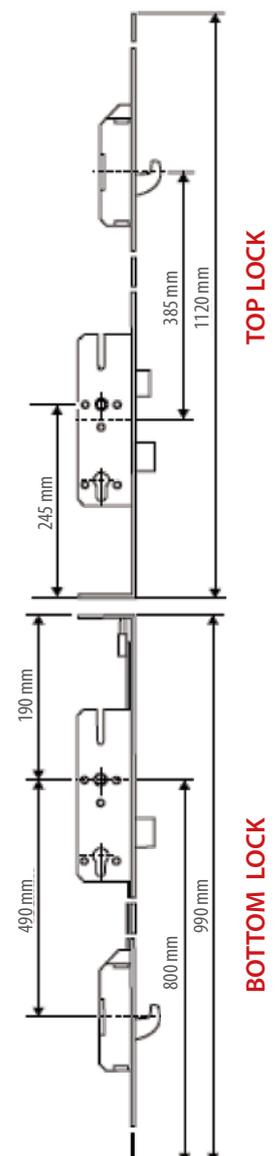
	Product Code	Description
1	PLSP18/45-19	45 mm backset 2H 16 mm
2	SPLSP243/45-60	Extendable 45 mm backset SLAVE lock
3	PLSB88-19	High security shootbolt set
4	PLK31-19	Single shootbolt keep for double door
5	LKF24BR	Right hand centre keep
6	LKF24BL	Left hand centre keep
7	LKF24BM	Set of hook keeps (2-off identical)



Stable Door Lock

- Comprising of two half locks, which each incorporate a main lock case and additional lock case with hooks.
- Bottom lock case contains a key operated deadbolt – upper lock case also has a key retractable latch and is thrown with a lever handle.
- 16mm face plate
- Top lock is thrown with lever handle
- 2 main lock cases for individual door function, top lock with latch, 20mm deadbolt. Bottom lock with 20 mm projecting hookbolt
- 2 Additional hook bolts for additional security and weather sealing
- Non-handed, suits either left or right handed doors
- Bottom lock engages top lock via steel shoot bolt allowing the door to open as one unit, preventing doors from disengaging as with similar products
- True stable door appearance, no additional espag handles or tilt & turn components required
- Lever handle to top door lock only, bottom lock requires escutcheon plate only, for half profile cylinder

Product Code	Description
TDKSSD	Stable Door Lock Set

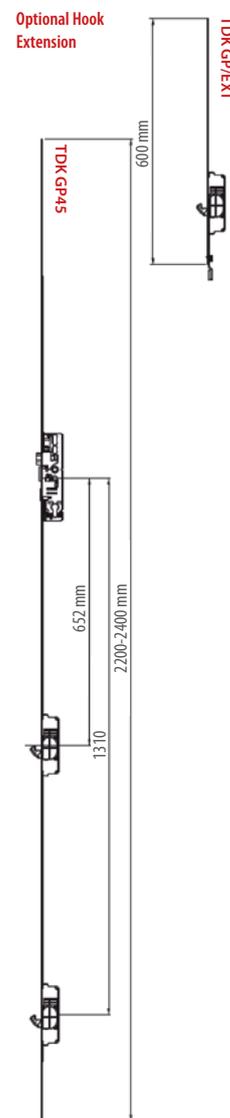
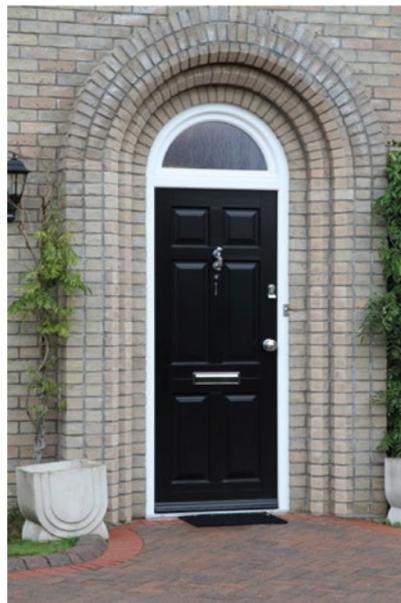


DOOR HARDWARE

Georgian Door Lock

Aesthetic considerations have been underestimated in the past. The innovative Georgian multipoint door lock has been designed with this in mind, giving your door a more elegant and traditional look with all the benefits of a multipoint locking system.

- Simplicity of a traditional rim style lock with the security benefits of a multi point locking system
- Elegant sightlines, from an innovative and unique door locking solution
- 2 locking hook bolts with centre latch and dead bolt
- No handle set required, operates with thumb turn cylinder and security escutcheon
- Easy entry/exit via cylinder operation
- Manual sliding snib for latch retention, preventing door from latching when in constant use
- Soft latch as standard, providing a smooth door closing
- Available in 45mm backset
- For taller doors use the hook extension **TDKGP/EXT** with a **TDK KSST** keep
- Cylinder pull and escutcheon available on request

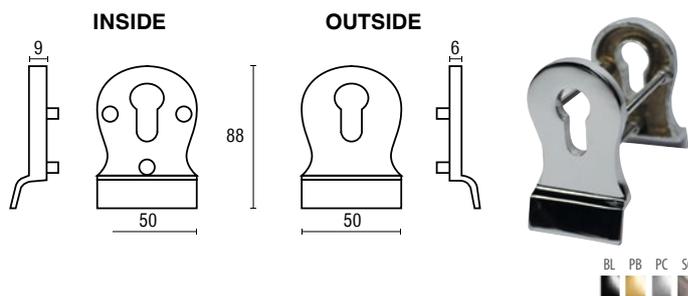


Product Code	Description
TDKGP45	Georgian Door Lock
TDKGP/EXT	Hook Extension

Cylinder pull for Georgian style door

- 2 part
- Complete with 3 connecting through bolts
- Raised pull for easy operation

Product Code	Description
ISCP PC	Cylinder pull Chrome
ISCP SC	Cylinder pull Satin Chrome
ISCP PB	Cylinder pull Brass
ISCP BL	Cylinder pull Black

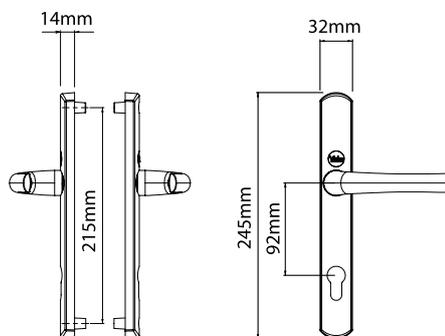


DOOR HARDWARE

Door Handles

Superior Door Handles

Finish	Product Code
White	Y2G-SSLL-WH
Black	Y2G-SSLL-BL
Polished Chrome	Y2G-SSLL-PC
Satin Silver	Y2G-SSLL-SS
Satin Gold	Y2G-SSLL-SG
Polished Gold	Y2G-SSLL-PG



Traditional Door Handles

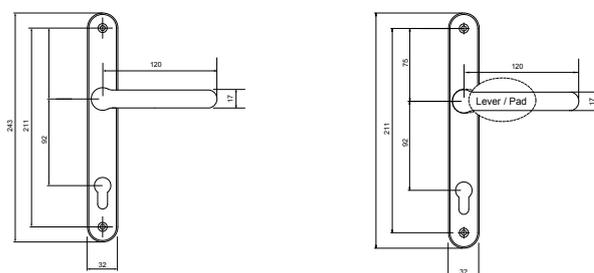


- Traditional black espag door handle with a unique featured lever
- 92 mm Centre
- Complete with spindle and machine screws
- Concealed fixings

Balmoral Door Handles

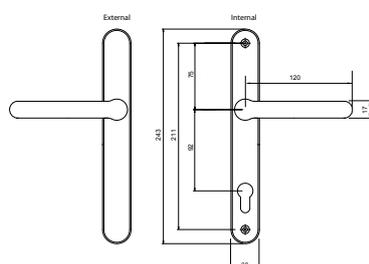
- Solid die cast construction with heavy duty spring cassette
- Sculpted ergonomic lever and low friction nylon bush
- Supplied with screw and spindle pack to suit 60-70mm profiles
- Colour coordinated screw heads perfectly matching hardware, even down to the smallest details
- Baseplate in common with all Balmoral handles
- Same routing detail regardless of product variant chosen
- Supplied fully assembled. Simple and quick installation, no need to fit springs or lever

Finish	Lever-Lever	Lever-Pad	Dummy Lever-Lever	Exterior Blank Plate
Chrome	1D001	1D101	1D501	1D451
Satin Chrome	1D002	1D102	1D502	1D452
Gold	1D005	1D105	1D505	1D455
Bronze	1D003	1D103	1D503	1D453



Inline Lever-Lever

Inline Lever-Pad



Inline Dummy Lever-Lever

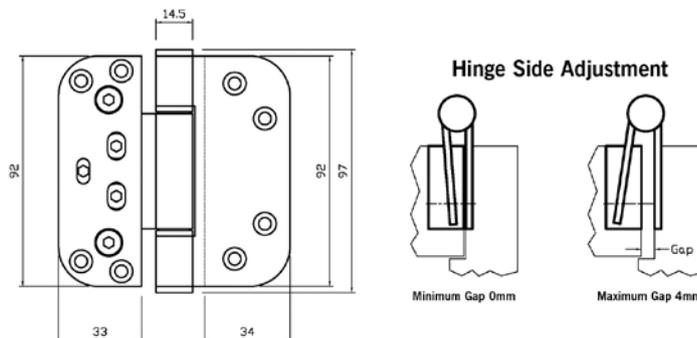
Exterior Blank Plate

DOOR HARDWARE

Door Hinges

The Nico load pro 3 way adjustable flush door hinge, featuring low friction bearings for a smooth opening and closing

- Tested to comply with BS EN1935:2002 Grade 11
- Adjustable 3 ways compression, vertically and horizontally
- Adjusted weight: 80 kg over 3 hinges
- Maximum adjusted weight: 80kg over 3 hinges
- Yellow zinc or Supercoat 500 Silver to BS EN1670:1998 Grade (Class 4) 240 hours salt spray tested providing very high resistance to corrosion



Independent adjustment in all three axes by 4 mm key
 +/- 2.5 mm Height
 +/- 2.5 mm Side
 +/- 2.5 mm Depth (compression)
 No shims - all adjustments can be carried out in site

Performance Assured
 Tested to comply with BS EN1935:2002 Grade 11
 (80 kg for 200,000 cycles)
 Height: 92 mm
 Thickness: 14 mm/2.7 mm
 Load: 80 kg

Finish	Product Code
White	NICLPWH
Black	NICLPBL
Polished Chrome	NICLPPC
Satin Silver	NICLPSC
Satin Gold	NICLPG
Polished Gold	NICLPPG



Stainless Steel Ball Bearing Hinges

- CE marked
- Grade 7 or 13
- Corrosion resistant stainless steel
- Security pinned caps
- Fire tested to BS 1634
- BS EN1935:2002 performance tested
- Complete with screws

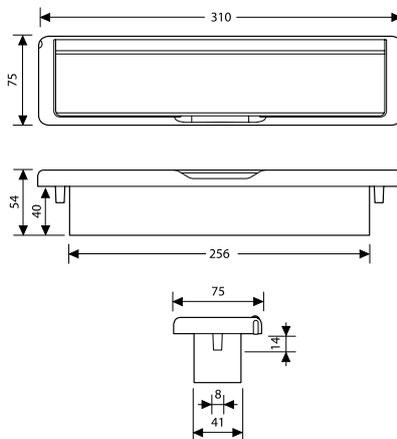


Size			BS EN 1935 Grade	Pack Qty	Fire Tested	Certifire	Satin Stainless	Polished Stainless	Electro Brass
H	W	T							
76	51	2	7	1 Pair	V	X	FRI 14852	FRI 14851	FRI 14885
102	76	3	13	1 Pair	V	V	FRI 14854	FRI 14853	FRI 14882

DOOR HARDWARE

Connoisseur Letterplates

- The Connoisseur Letterplate has die cast front and back plates and a colour co-ordinated frame
- Internal and external flaps open to 180°
- Suitable for doors up to 75mm
- Internal nylon brush draught excluder
- External weather proof rubber seal
- Double sprung flaps
- Available in 7 different colours



Finish	Product Code
White	FFLP1240 WH
Black	FFLP1240 BL
Polished Chrome	FFLP1240 PC
Satin Chrome	FFLP1240SC
Hardex Gold	FFLP1240 HG

Door Knockers

Finish	Product Code
Polished Chrome	HERV9106PC
Satin Chrome	HERV9106SC
Brass	HERV9106PB



Door Knobs

Finish	Product Code
Polished Chrome	HERV900PC
Satin Chrome	HERV900SC
Brass	HERV900PB



Stormguard Door Thresholds

AM3 for inward opening doors

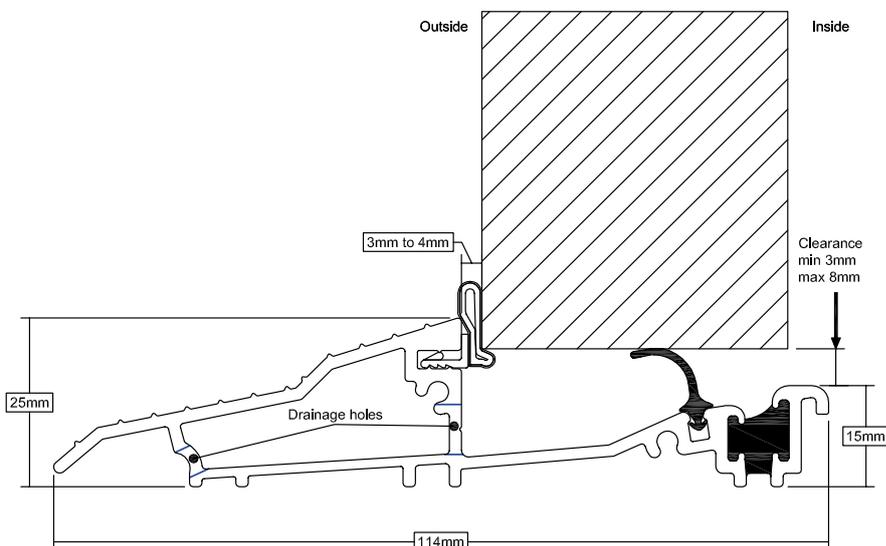
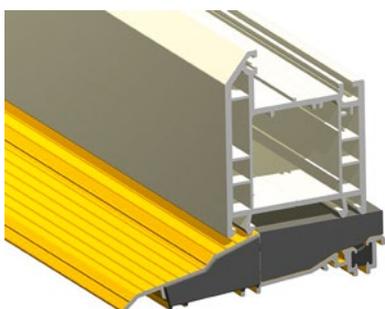
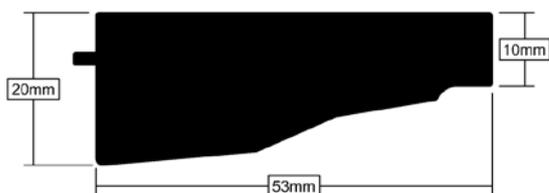
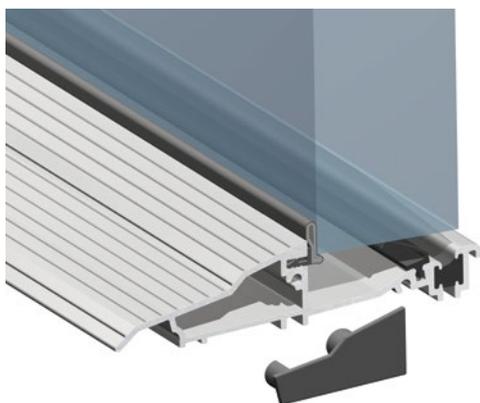


- Ergonomically tested for Part M compliance
- Designed for door set manufacturers, can be installed as the fourth side of the door frame or retro fitted
- Thermally broken to meet thermal bridging and insulation requirements, can be used with many different frame and door materials, e.g. wood, PVCu, fibreglass, aluminium, steel and carbon fibre
- Designed to fit directly onto level thresholds. For use with a subsill see Proline Subsill AM3
- Ideal for use with carpeted floors, optional clip-in internal transition ramps also allow use with tiled or wooden floors
- Non-slip surfaces ensure a safe grip in wet conditions

Part Code	Finish	Length	Description
PN AM3 AL 2000	Silver	2 m	AM3 door threshold AL 2000
PN AM3 AL 3000	Silver	3 m	AM3 door threshold AL 3000
PN AM3 GD 2000	Gold	2 m	AM3 door threshold GD 2000
PN AM3 GD 3000	Gold	3 m	AM3 door threshold GD 3000
AM3/AM3EX EC	Black	–	AM3/AM3EX End Cap set
INFILL BLOCK	Black	1 m	AM3/AM3EX Frame/Sidelight infill block
RIO BLADE	Black	2 m/3 m	AM3/AM3EX Blade gasket
TRIPLEX	Black	2 m/3 m	AM3/AM3EX Triplex gasket

Available in:

-  Matt Aluminium
-  Matt Gold Effect Aluminium



DOOR HARDWARE

AM3EX for inward opening doors

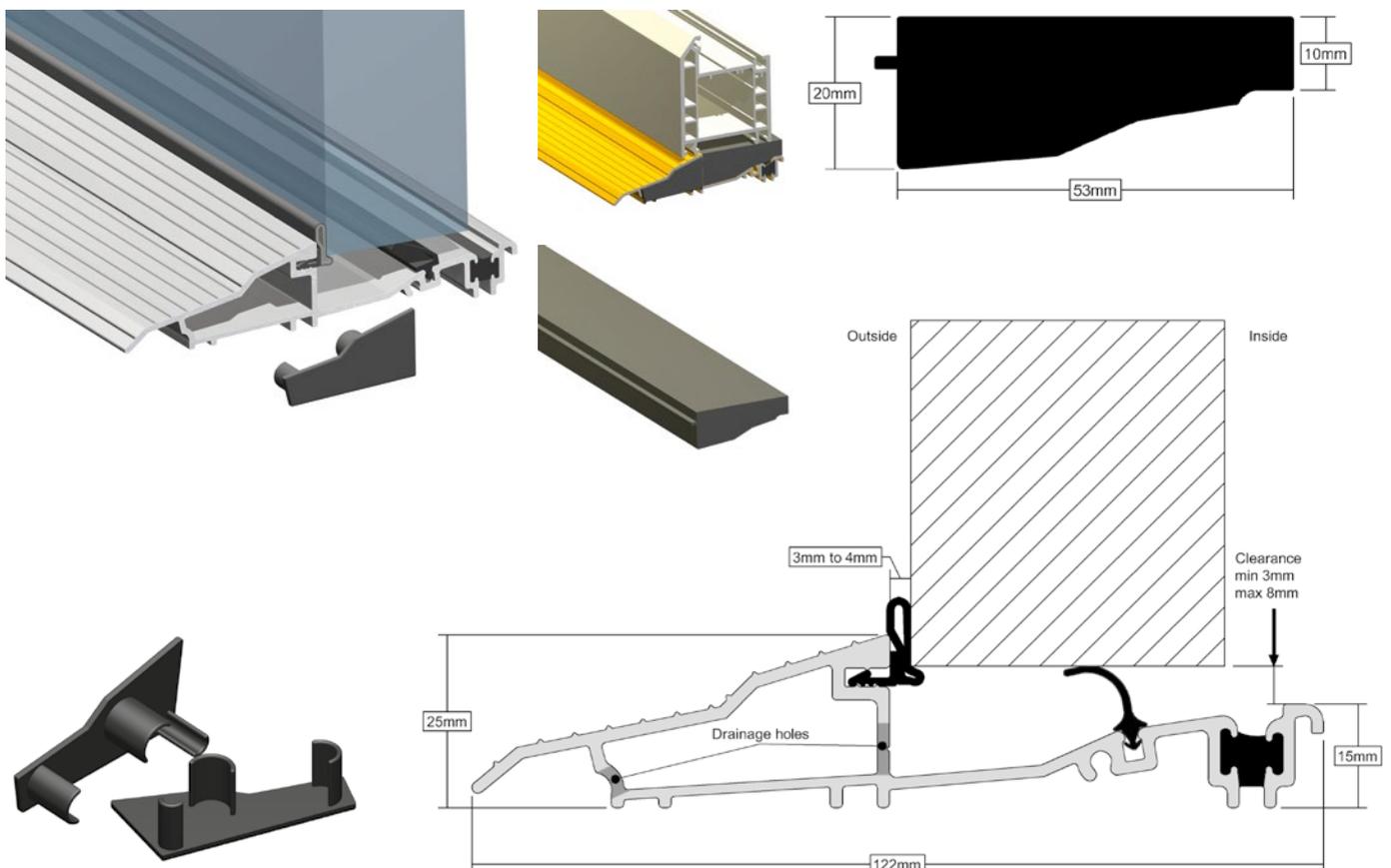


- Ergonomically tested for Part M compliance
- Designed for door set manufacturers, can be installed as the fourth side of the door frame or retro fitted
- Thermally broken to meet thermal bridging and insulation requirements, can be used with many different frame and door materials, e.g. wood, PVCu, fibreglass, aluminium, steel and carbon fibre
- **Designed to fit directly onto level thresholds. For use with a subsill see Proline Subsill AM3**
- Ideal for use with carpeted floors, optional clip-in internal transition ramps also allow use with tiled or wooden floors
- Non-slip surfaces ensure a safe grip in wet conditions

Part Code	Finish	Length	Description
PN AM3EX AL 2000	Silver	2 m	AM3EX door threshold AL 2000
PN AM3EX AL 3000	Silver	3 m	AM3EX door threshold AL 3000
PN AM3EX GD 2000	Gold	2 m	AM3EX door threshold GD 2000
PN AM3EX GD 3000	Gold	3 m	AM3EX door threshold GD 3000
AM3/AM3EX EC	Black	-	AM3/AM3EX End Cap set
INFILL BLOCK	Black	1 m	AM3/AM3EX Frame/Sidelight infill block
RIO BLADE	Black	2 m/3 m	AM3/AM3EX Blade gasket
TRIPLEX	Black	2 m/3 m	AM3/AM3EX Triplex gasket

Available in:

-  Matt Aluminium
-  Matt Gold Effect Aluminium



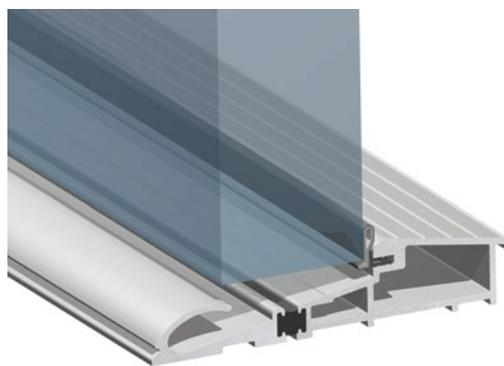
DOOR HARDWARE

AM5 for outward opening doors



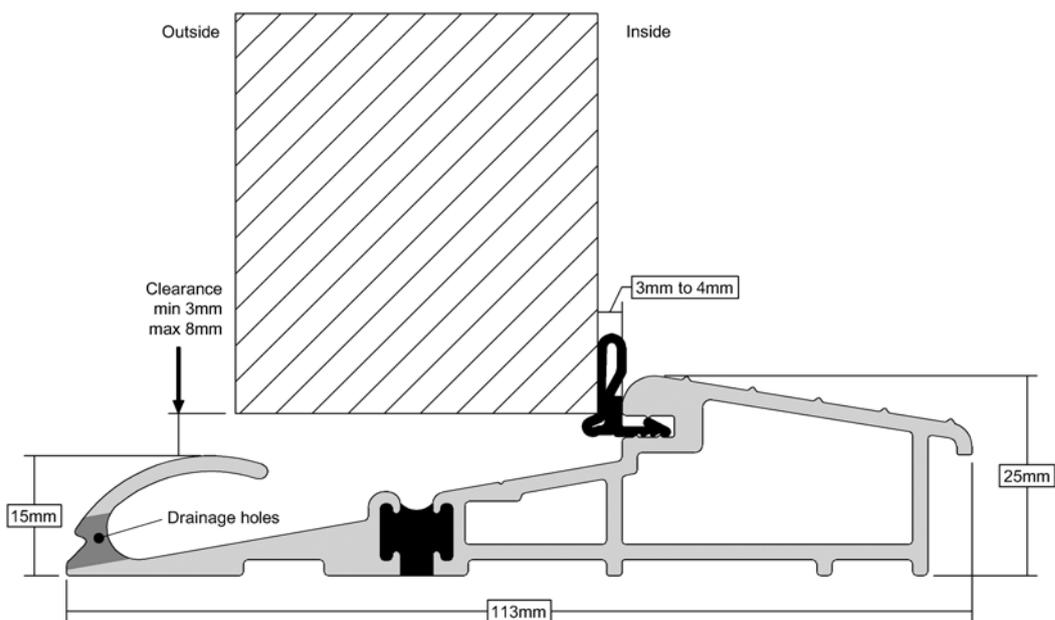
- Ergonomically tested for Part M compliance
- Thermally broken to meet thermal bridging and insulation requirements
- Can be used with many different frame and door materials, e.g. wood, PVCu, fibreglass, aluminium, steel and carbon fibre
- Ideal for use with carpeted floors, optional clip-in internal transition ramps also allow use with tiled or wooden floors
- Non-slip surfaces ensure a safe grip in wet conditions

Part Code	Finish	Lenght	Description
PN AM5 AL 2000	Silver	2 m	AM5 door threshold AL 2000
PN AM5 AL 3000	Silver	3 m	AM5 door threshold AL 3000
PN AM5 GD 2000	Gold	2 m	AM5 door threshold GD 2000
PN AM5 GD 3000	Gold	3 m	AM5 door threshold GD 3000
TRIPLEX	Black	2 m/3 m	Triplex sill
INFILL BLOCK	Black	1 m	AM5 Frame/Sidelight infill black



Available in:

-  Matt Aluminium
-  Matt Gold Effect Aluminium



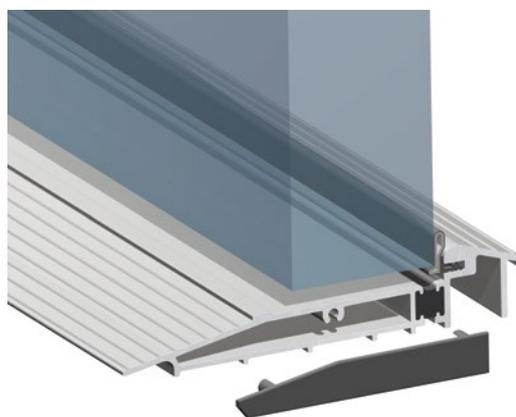
DOOR HARDWARE

AM5EX for outward opening doors



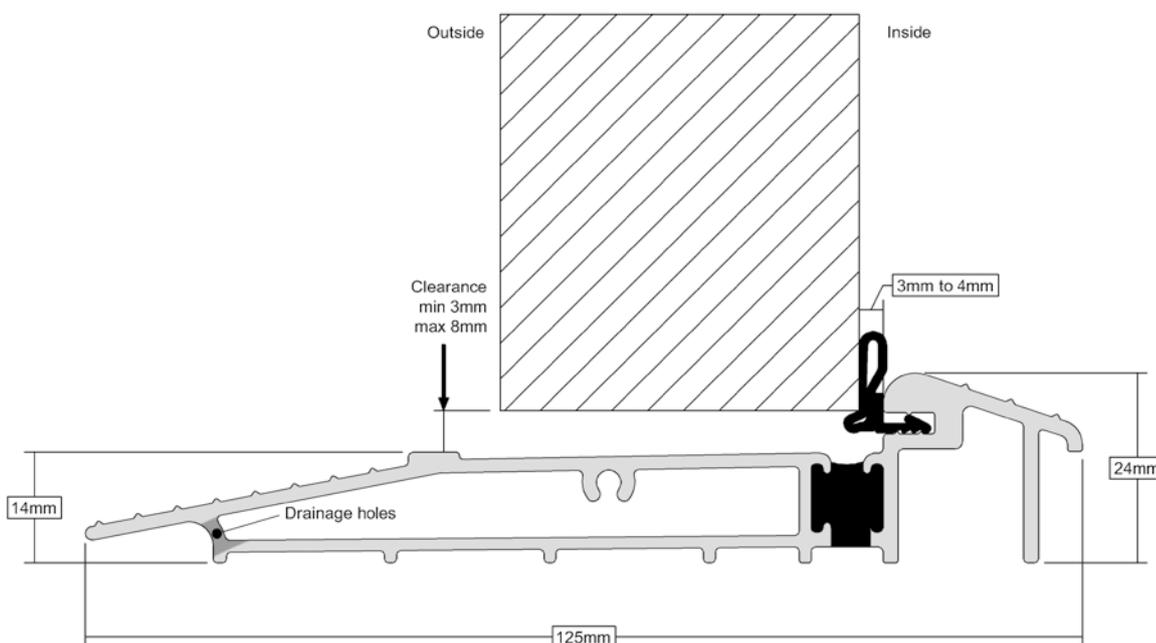
- Ergonomically tested for Part M compliance
- Thermally broken to meet thermal bridging and insulation requirements
- Can be used with many different frame and door materials, e.g. wood, PVCu, fibreglass, aluminium, steel and carbon fibre
- Will meet the requirements of PAS24
- Only doors with shootbolt require drainage holes
- Ideal for use with carpeted floors, optional clip-in internal transition ramps also allow use with tiled or wooden floors
- Non-slip surfaces ensure a safe grip in wet conditions

Part Code	Finish	Length	Description
PN AM5EX AL 2000	Silver	2 m	AM5EX door threshold AL 2000
PN AM5EX AL 3000	Silver	3 m	AM5EX door threshold AL 3000
PN AM5EX GD 2000	Gold	2 m	AM5EX door threshold GD 2000
PN AM5EX GD 3000	Gold	3 m	AM5EX door threshold GD 3000
AM5EX EC	Black	–	AM5EX End Cap set
TRIPLEX	Black	2 m/3 m	Triplex sill
INFILL BLOCK SEX	Black	1 m	AM5EX Frame/Sidelight infill block



Available in:

-  Matt Aluminium
-  Matt Gold Effect Aluminium



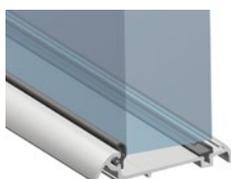
DOOR HARDWARE

SLIMLINE WIDE for inward opening doors



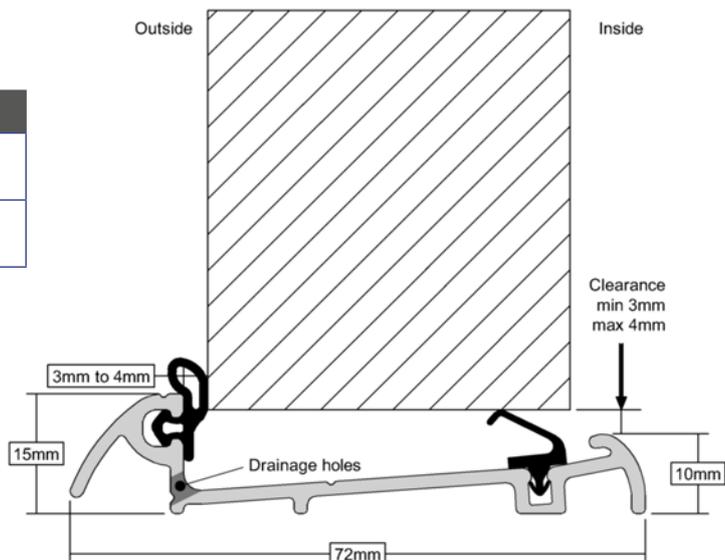
- For use with PVC, wood, composite and metal frames
- Designed to fit onto a subsill or directly onto a threshold
- Shootbolt catchers available

Part Code	Finish	Lenght	Description
SL WIDE IN AL	Silver	2 m	Slimline Wide door threshold inward opening AL
SL WIDE IN GD	Gold	2 m	Slimline Wide door threshold inward opening GD



Available in:

-  Matt Aluminium
-  Matt Gold Effect Aluminium

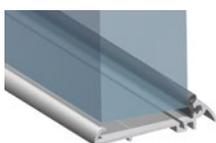


SLIMLINE WIDE for outward opening doors



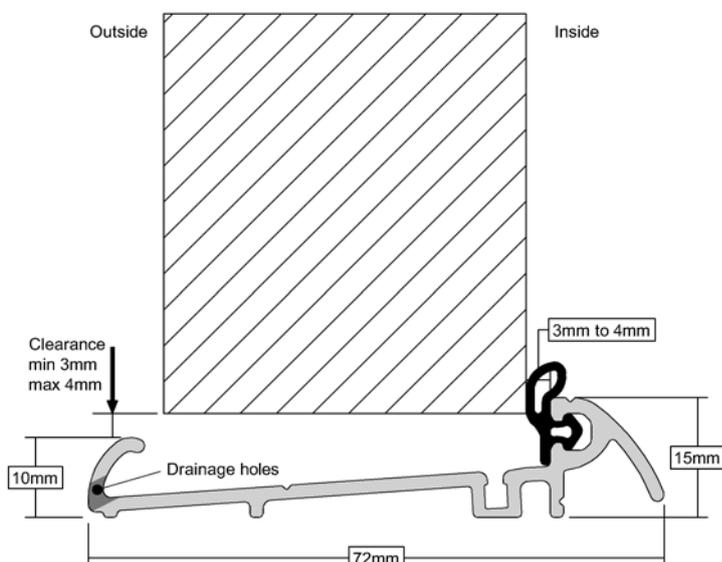
- For use with PVC, wood, composite and metal frames
- Designed to fit onto a subsill or directly onto a threshold
- Shootbolt catchers available

Part Code	Finish	Lenght	Description
SL WIDE OUT AL	Silver	2 m	Slimline Wide door threshold outward opening AL
SL WIDE OUT GD	Gold	2 m	Slimline Wide door threshold outward opening GD



Available in:

-  Matt Aluminium
-  Matt Gold Effect Aluminium



BRIO BI-FOLD
SLIDING

BRIO BI-FOLD / SLIDING

Weatherfold 4S

The latest in a long line of innovation, Weatherfold 4s brings numerous new and exciting features, making it the smartest choice for exterior folding door hardware.

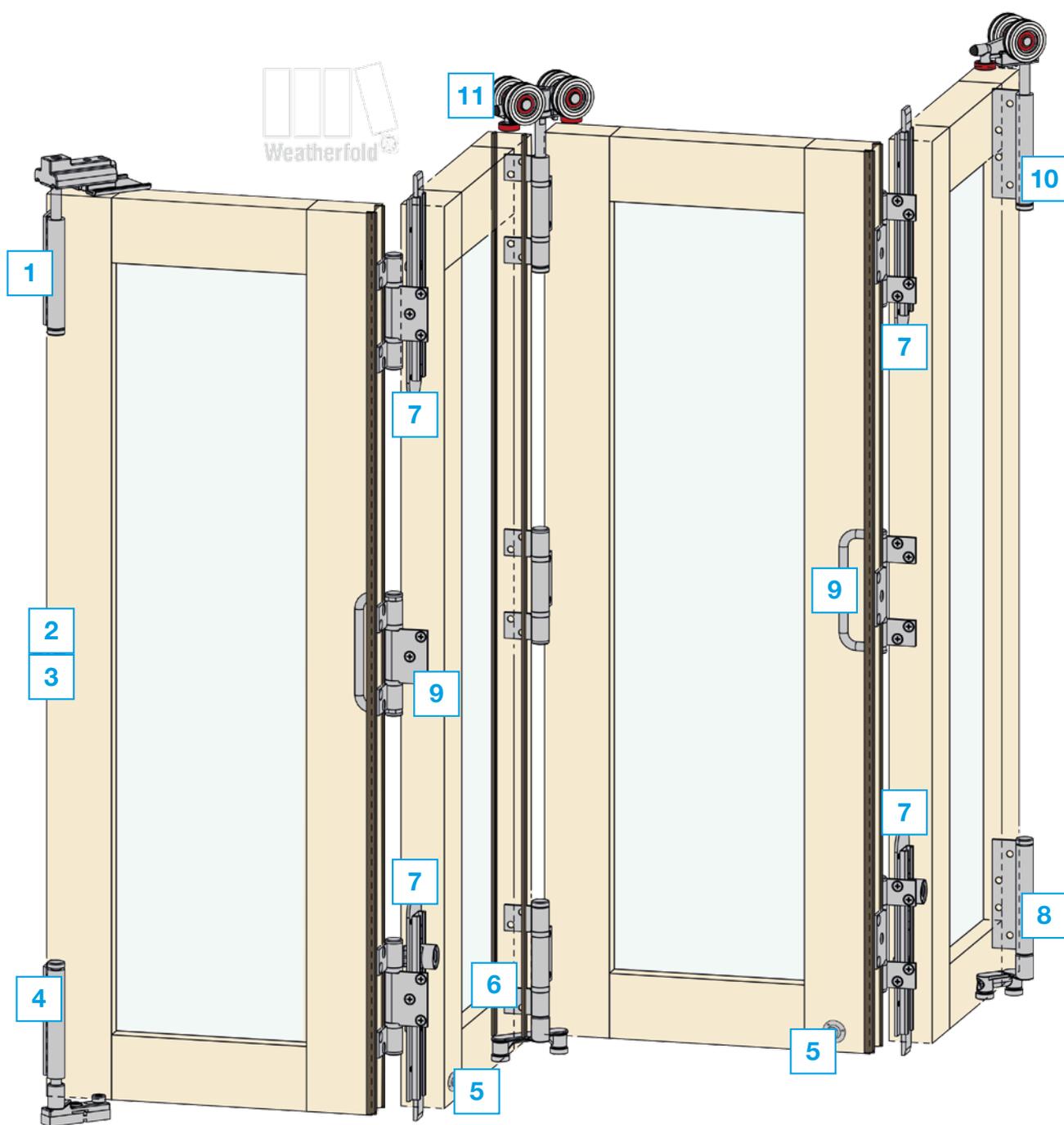
New locking mechanism with no loose parts

The new push button locking mechanism is a stand-out element and is consistent across all hangers and pivots. It has no loose parts that can be misplaced during installation.

Easy adjustment

For faster installation, the locking mechanism provides easy vertical adjustment. Featuring automatic locking technology, the system self locks as soon as the push button is released, ensuring that the panel always remains set.

The only system on the market that is fully suited in four finishes, so that your Weatherfold 4s hardware will match perfectly with the rest of your hardware.



BRIO BI-FOLD / SLIDING

1

BWS1-100H TOP END PIVOT

- Vertical and lateral
- Very easy adjustment, with push button adjustment system ensuring pins cannot drop out during operation
- Available in mortice or non-mortice
- 100 kg weight capacity



2

199SS SECURITY ALIGNER BOLT

- Adjustable security aligner
- Concealed component (not visible from outside when system is closed, making forced entry difficult)



3

BW189H JAMB PIVOT

- For matching hinge on door stiles
- Positive screw on jamb keep to resist doors bowing
- Recommended for door heights over 2.2 m
- Easy adjustment of up to 6mm



4

BWS1-100H BOTTOM END PIVOT

- Metal shoe
- Universal handling

EASY ADJUSTMENT VIA ALLEN KEY, WHICH IS SUPPLIED WITH KIT



5

882 MAGNETIC CATCH

- The magnetic catch is designed to hold adjacent panels together 16mm apart
- Available in four finishes

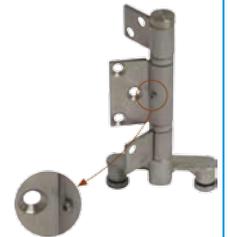


6

BWS4-100C INTERMEDIATE HANGER GUIDE

- To work in conjunction with top hanger
- Security pin

ANTI-SHAKE GRUB SCREW/SECURITY PIN



7

WEA/456R FLUSH BOLT

- Available in 4 finishes (shown below) for an exact match to the rest of your hardware
- Available in cranked neck for inward opening
- Locking or non-locking available
- Available in 190 mm, 450 mm or 600 mm, also available in 1000mm version (PVD & Satin Stainless only)



8

BWS2 (75) (100kg available, please ask) END HANGER GUIDE

- Non-handed
- Unscrew with allen key provided and turn either left or right, to make product non-handed (as shown below)

TURN FOOT OF GUIDE TO WHICH SIDE THE DOORS ARE TO BE HANDED



9

BW7 HINGE HANDLE

- Ergonomic handle for improved feel and look
- Available in four finishes

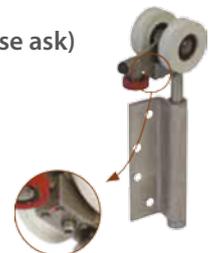


10

BWS2 (75) (100 kg available, please ask) END HANGER SET

- NEW easier adjustment
- 100 kg available comes with extra wheel for heavier doors

EASY PRESS AND TURN FOR HEIGHT ADJUSTMENT

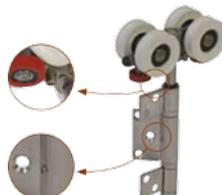


11

BWS4-100C INTERMEDIATE HANGER SET

- Supplied with additional bearings to prevent side thrust
- Standard 100kg rollers
- Security pin & NEW easier adjustment

EASY PRESS AND TURN FOR HEIGHT ADJUSTMENT



12

250A TRACK

- Slim design therefore allowing smaller head sections
- Complete with "rail system" incorporated into the design to protect against side thrust
- Anodised finish as standard offering protection against the elements

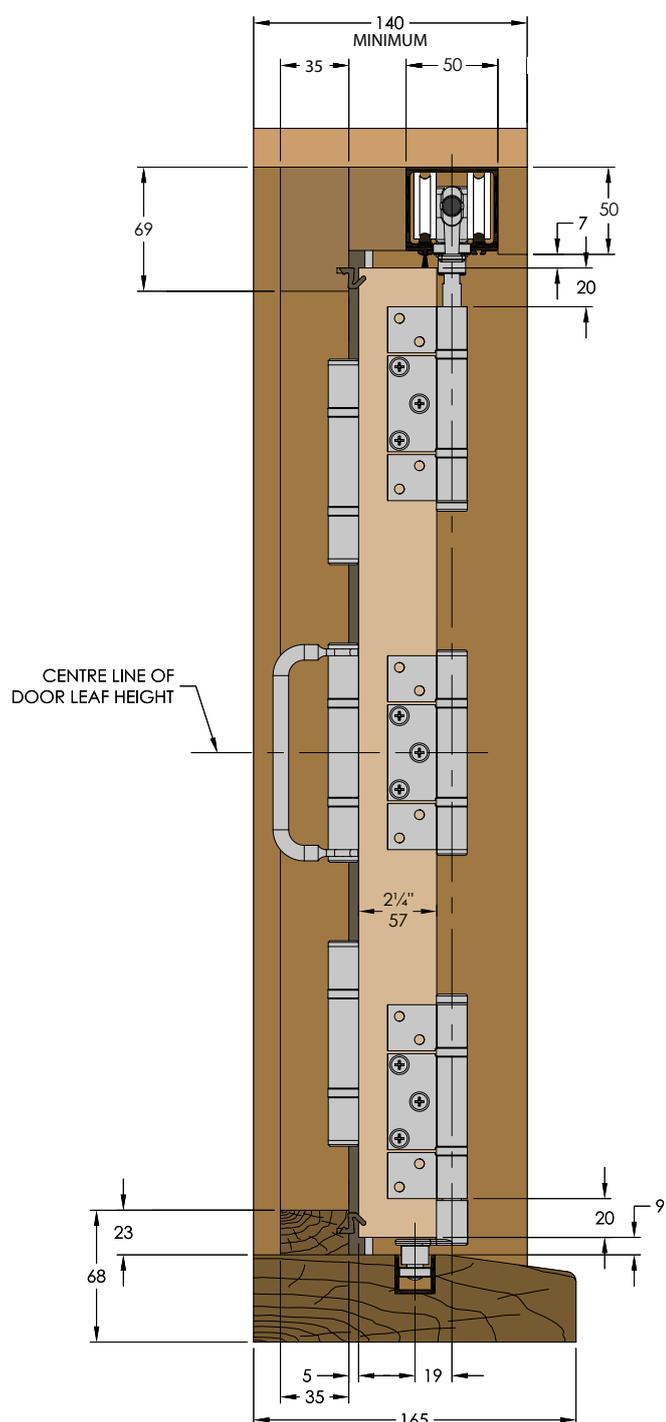


BRIO BI-FOLD / SLIDING

Weatherfold 4S Architectural details

For top hung exterior folding timber doors

TIMBER SILL



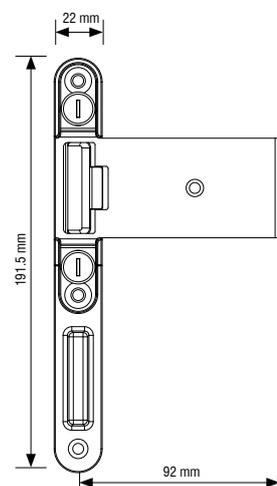
ALI SUPPORT CHANNEL – PPA

- Anodised channels, complete with insert
- Available in: 2, 2.5, 3, 3.5, 4, 5, 6 m



ADJUSTABLE BI-FOLD DOOR KEEP

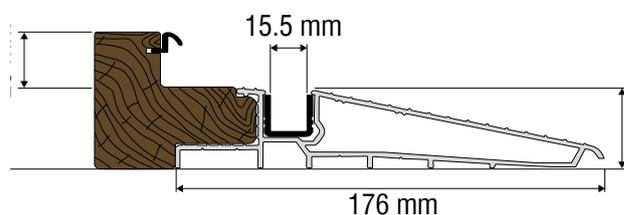
- Adjustable independent latch keep (+/- 3mm)
- Fits full range of westward multi point locks
- Extended latch plate
- Other sizes available
- Silver finish



TDKKS/BIFOLD + TDKKS/BIFOLD/KEEP

HYBRID SILL

- Available in Anodised Aluminium (Stocked) & Bronze (Special Order)
- Lengths: 2, 2.5, 3, 3.5, 4, 5, 6 m

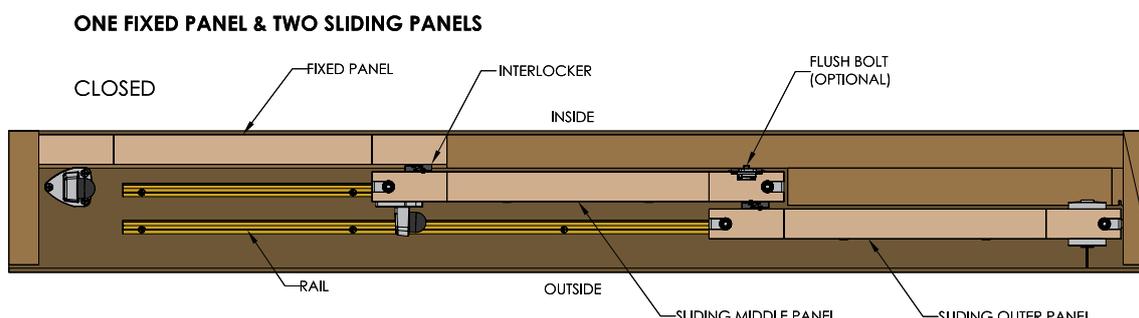
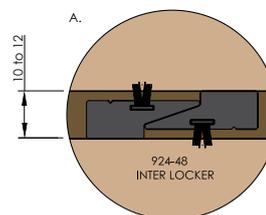
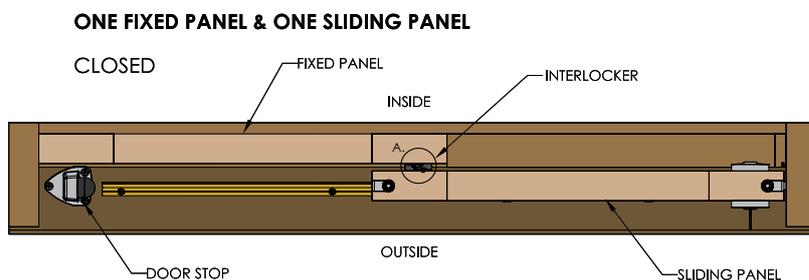
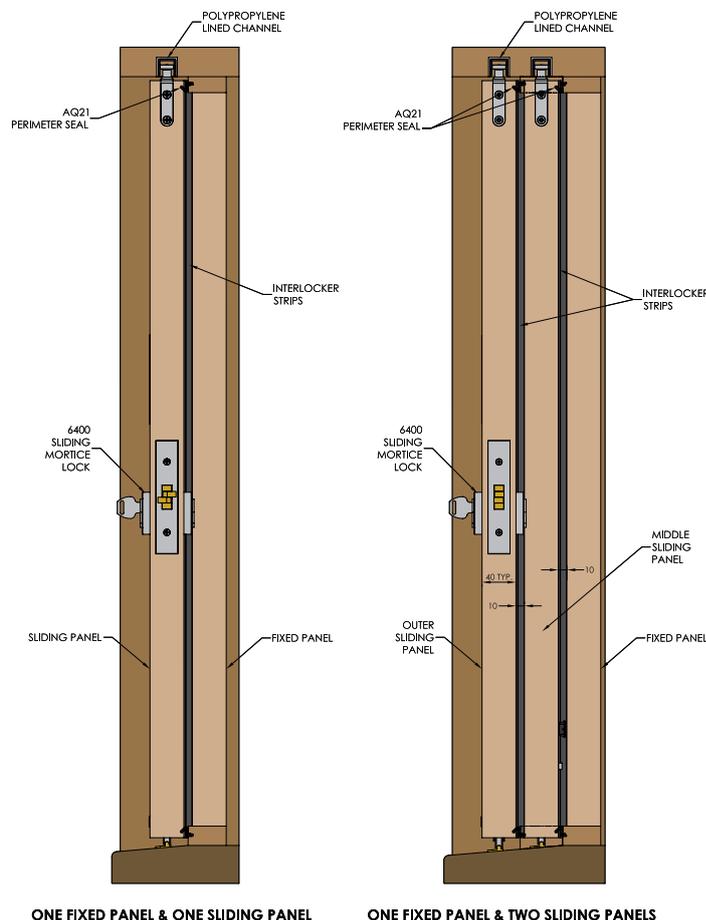


BRIO BI-FOLD / SLIDING

Timberoll 100/200

Brio® Timberoll 200 is an external bottom rolling sliding window and door hardware system for maximum panel weights of up to 200 kilograms. Timberoll 200 is ideally suited for large patio doors with timber-framed glazed panels of up to 3.0 metres high and 3.0 metres wide. Timberoll 200 can be used in both residential and commercial applications where any number of doors can be used on single or multiple lines of rail that can slide to one or both sides of the opening.

WEATHERFOLD 4S WINDOW		
Door Specification	Timberoll 100	Timberoll 200
Max panel weight	100 kg	200 kg
Max panel height	2400 mm	3000 mm
Max panel width	1800 mm	3000 mm



BRIO BI-FOLD / SLIDING

Weatherfold 4S Window

Brio Weatherfold Window 35 is designed for exterior folding windows in residential or light commercial applications with up to six panels folding in one direction.

WEATHERFOLD 4S WINDOW	
Door Specification	Weatherfold 4S Window
Max panel weight	35 kg
Max panel height	1800 mm
Max panel width	1000 mm



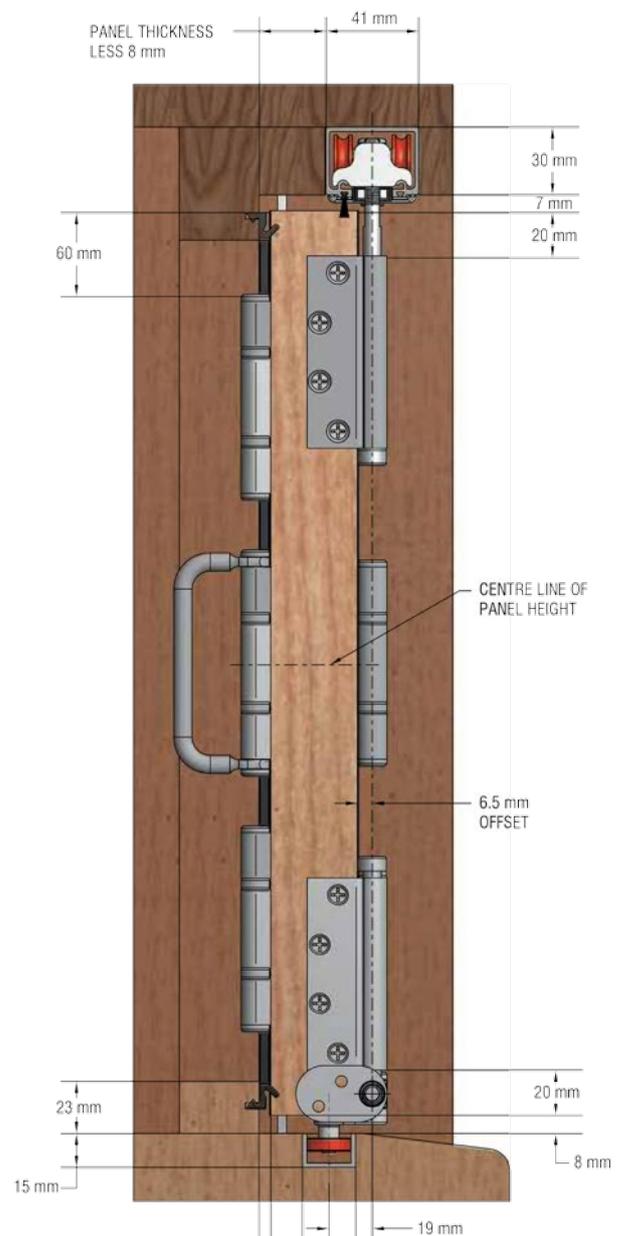
Exterior & Interior Top Rolling System

The Weatherfold 4s Window 35 & Interfold utilise the same technology as the Weatherfold 4s door systems, but on a smaller scale.

High precision bearings, grooved wheel hangers and 316 caststainless steel components are all standard features.

The compact structural aluminium 120 track profile serves to reduce the risk of contamination as debris is less likely to accumulate on the raised rails. The 120 track is available in clear anodised aluminium for improved corrosion resistance.

- Available in satin or polished stainless steel
- Small track detail for improve aesthetics
- Tested 35 kg
- 6 panels in each direction, maximum of 12 panels
- Maximum height of 2.6 m, maximum width of 1 m
- Minimum panel thickness of 35 mm
- Choice of 2 floor channels
- Any configuration
- 10 year mechanical guarantee
- Locking and non-locking shootbolts
- Height and width adjustment
- Non morticed hinges



Weatherfold 4C

Exterior Bottom Rolling System

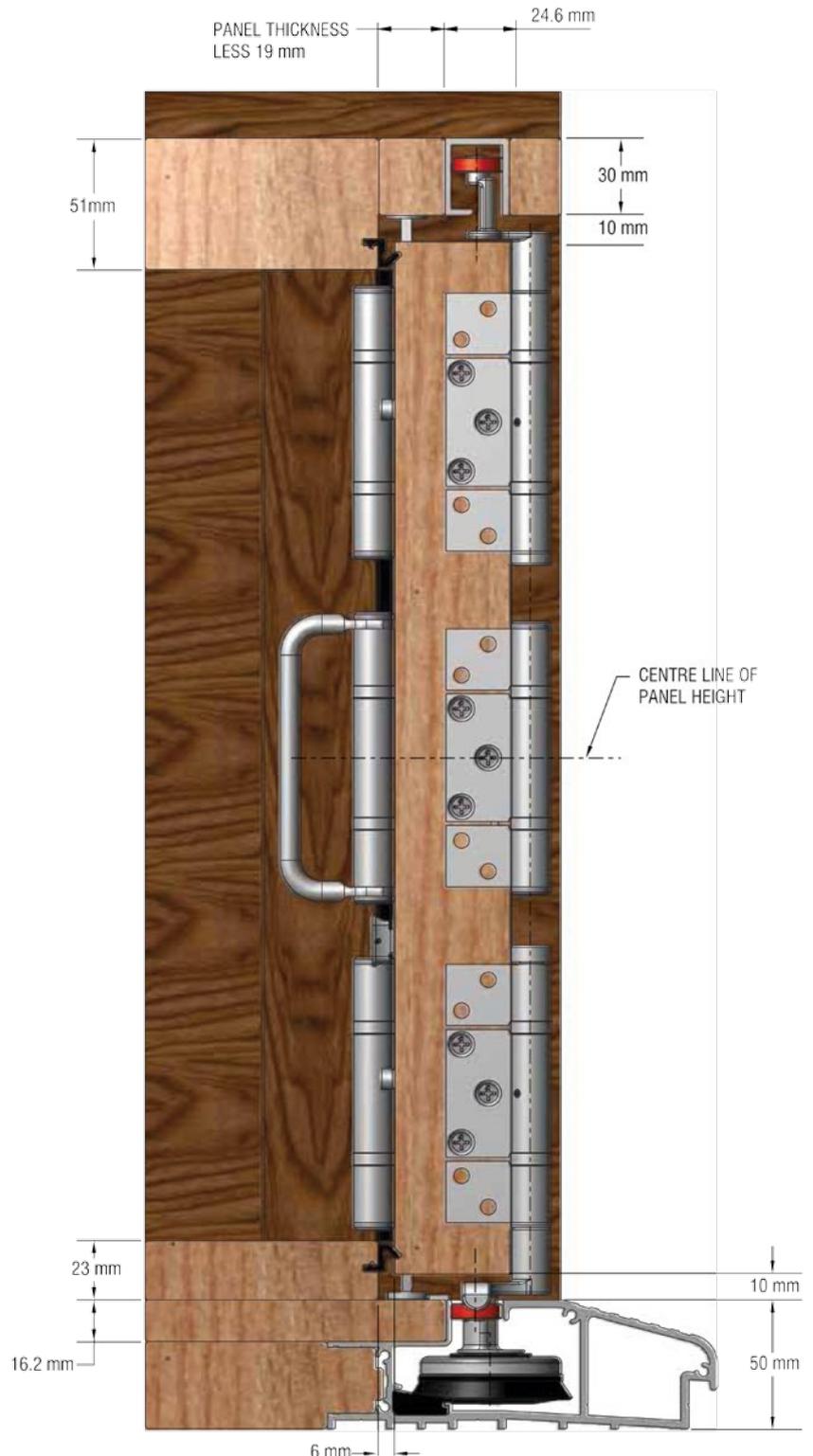
The Weatherfold 4c system eliminates the need for a reinforced structural beam above the opening, as all the doors weight is carried by bottom rollers.

Bottom-rolling type systems are particularly favoured by architects, as the absence of the restricting top beam also means there is more room for design creativity.

The Weatherfold 4c systems is more than just a combination of individual hardware parts, it is a carefully designed system, with all the features working in unison to create an incredibly functional and elegant system.

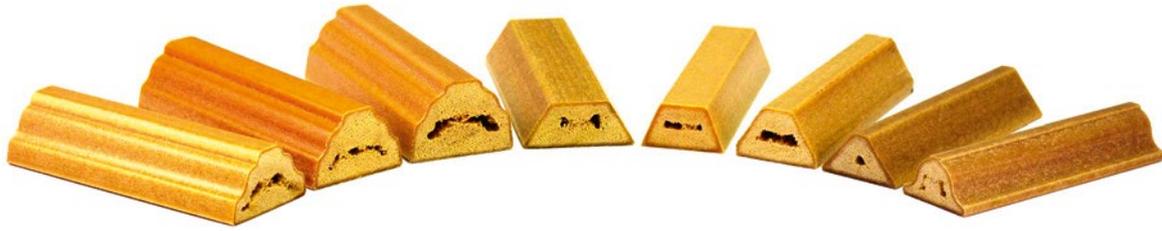
Designed to handle panels up to 75 kg with precision and ease. With up to 8 equal size panels folding seamlessly in each direction, it creates openings up to 3.3 m high and 16 mm wide. Suitable for timber doors, Weatherfold 4c is a complete system that includes pivot sets, roller sets, hinge sets, top guide, bottom sill, frame seals, locking and flush bolt options.

- Available in stainless steel & polished chrome
- Self draining hybrid sill
- Mortice or non mortice hinge available
- 75kg weight carrying capacity
- 10 year mechanical guarantee
- Unique patented roller with self cleaning brush system
- Products manufactured from Grade 304 and 316 Stainless Steel
- Lateral adjustment
- Security hinges as standard



Q-WOOD

Q-WOOD



BECOMING THE LEADING INNOVATION AND EFFICIENCY PRODUCT FOR THE TIMBER WINDOW & DOOR INDUSTRY

Qwood is an excellent quality product offering substantial improvements over traditional timber beading

Qwood is a rigid wood composite profile derived from enduring sustainable forests.

Qwood profiles reflect the natural appearance and feel of wood whilst still retaining the beneficial properties of a composite.

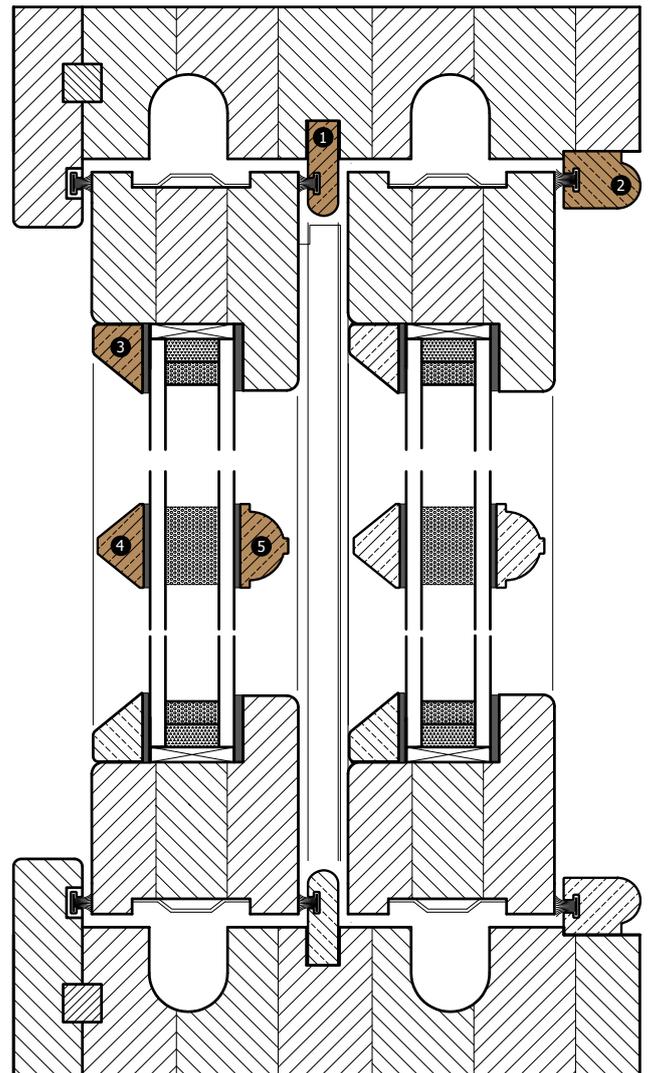
Qwood is supplied with a natural smooth surface finish which can be stained or painted.

OUR FEATURES

- Will not bow, swell, crack or rot
- Easy to work with
- Long life
- 100 % recyclable
- Qwood LEAN production

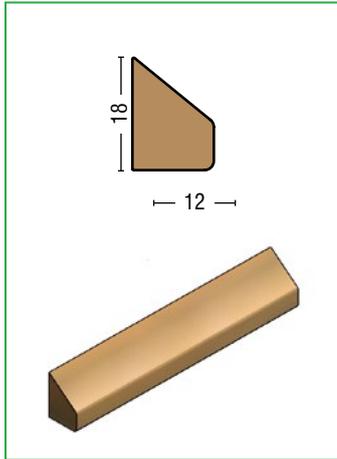
YOUR BENEFITS

- Reduces waste and costs
- Saves time
- No replacement
- Environmentally friendly
- Low stock, quick service

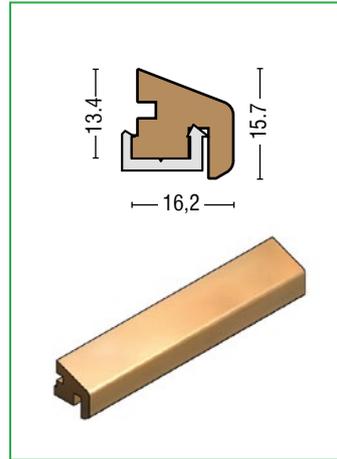


Q-WOOD

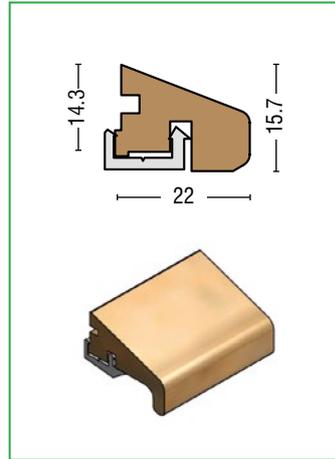
GLAZING BEADS



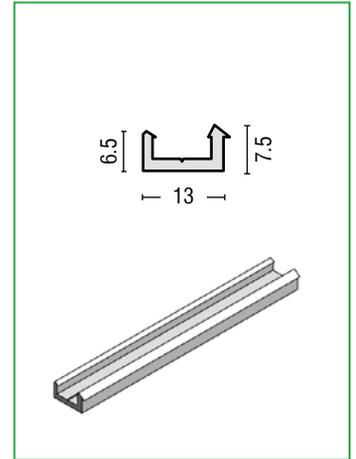
PGB1



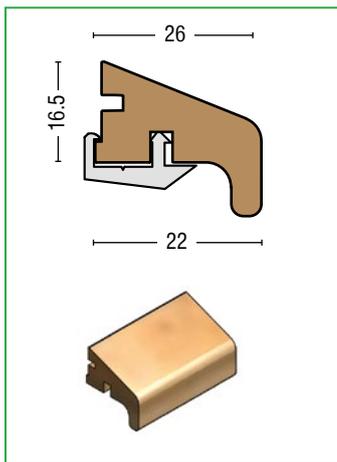
GB1



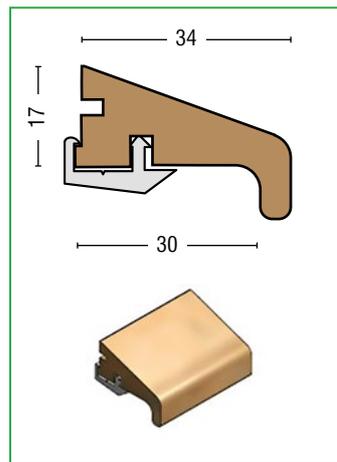
GB2



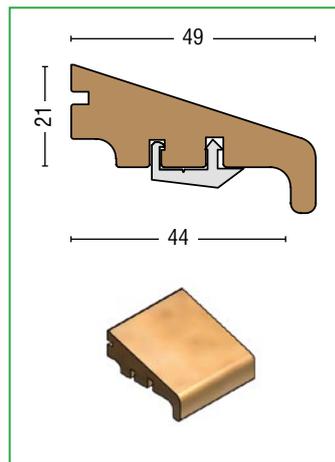
GBC1



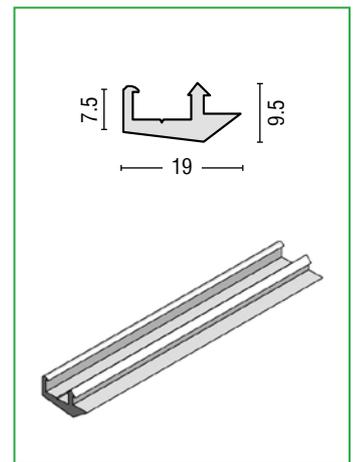
DB1



DB2

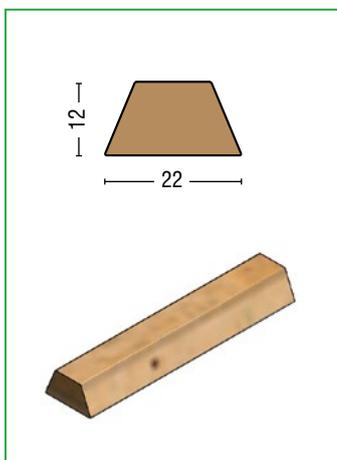


DB3

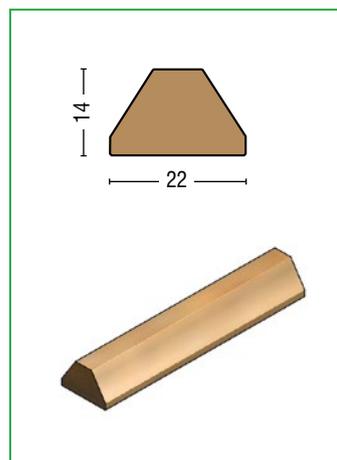


DBC1

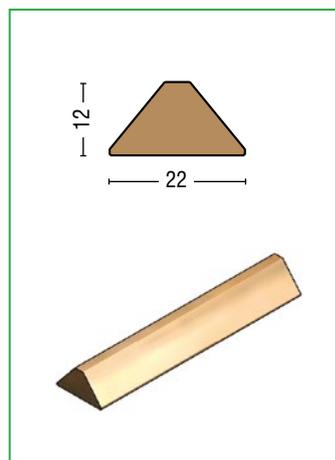
GEORGIAN BAR PROFILES



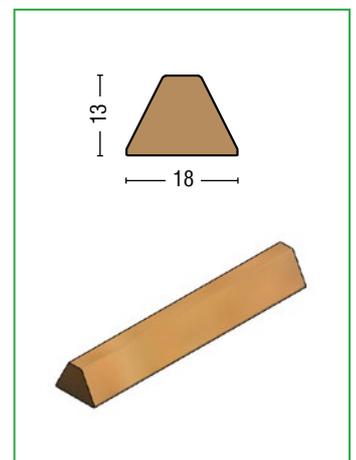
BB1



BB2

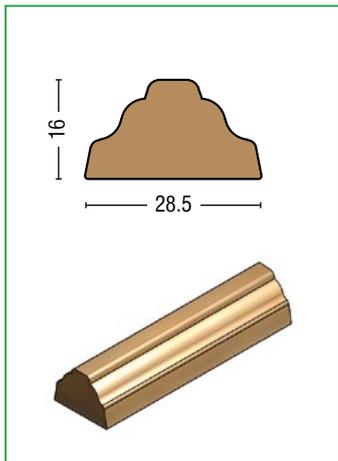


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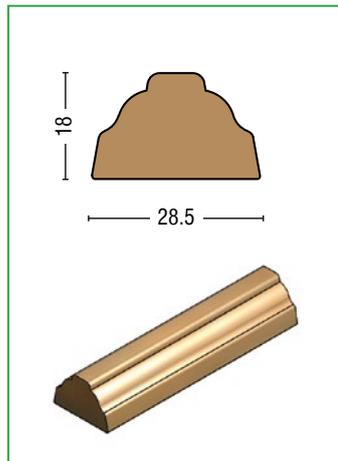


BB4

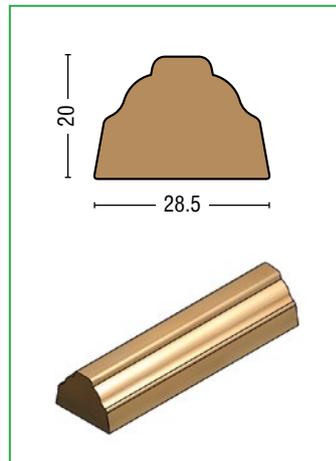
Q-WOOD



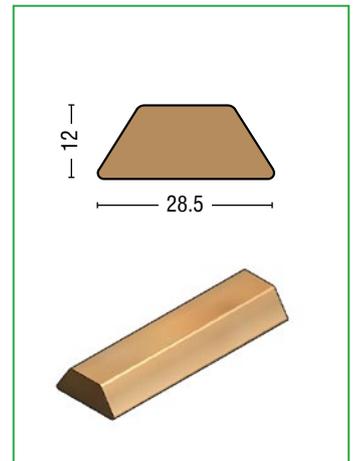
AB1



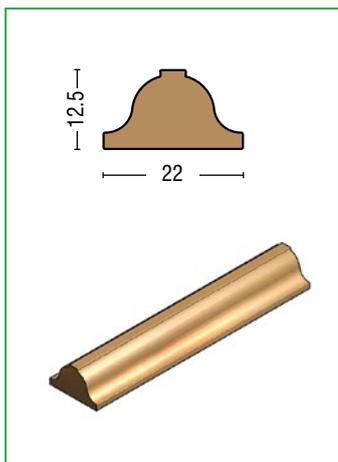
AB2



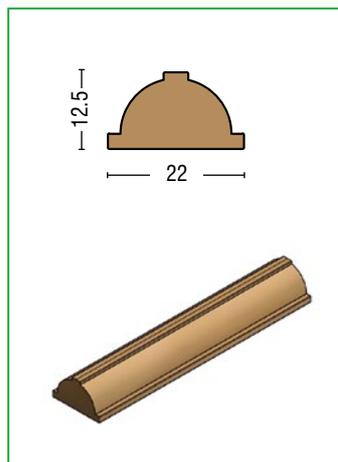
AB3



AB4

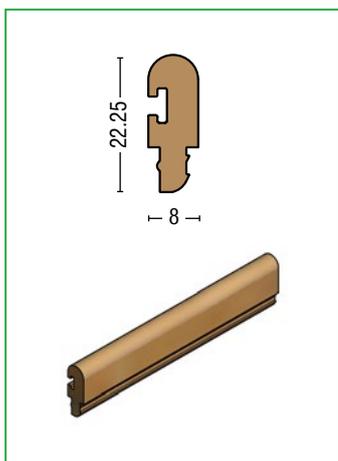


LB1

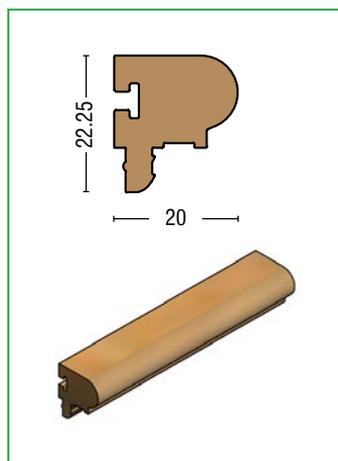


OB1

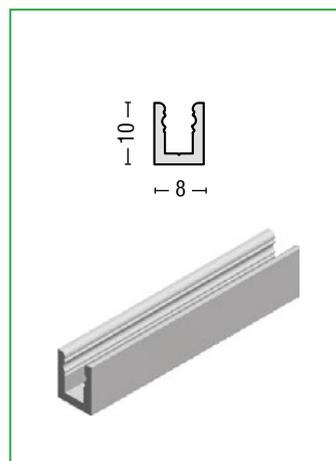
SASH WINDOW PROFILES



CPB8



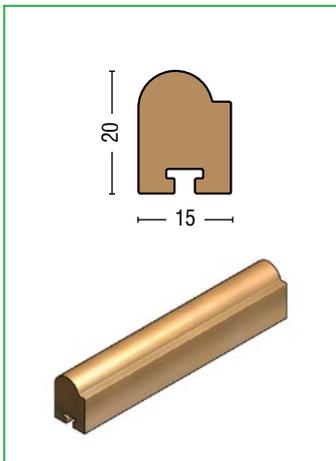
CSB20



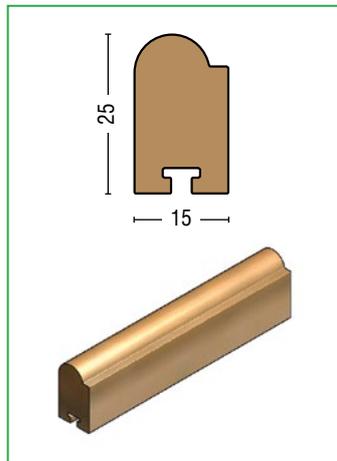
SC1



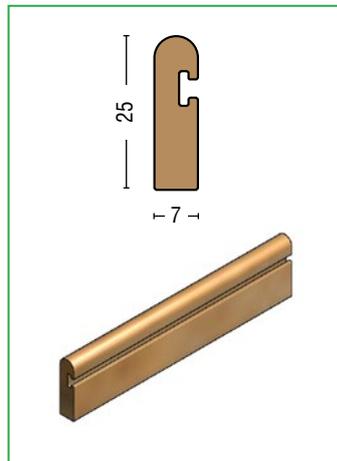
Q-WOOD



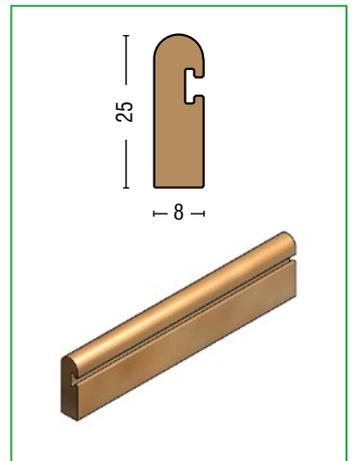
SB20



SB25

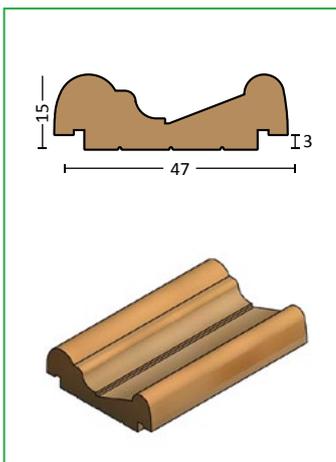


PB7

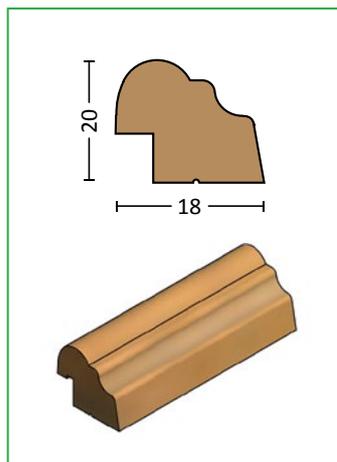


PB8

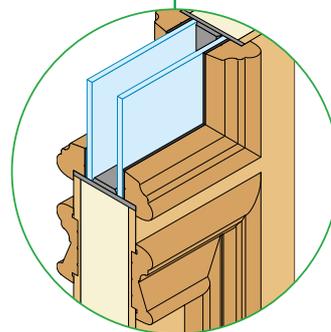
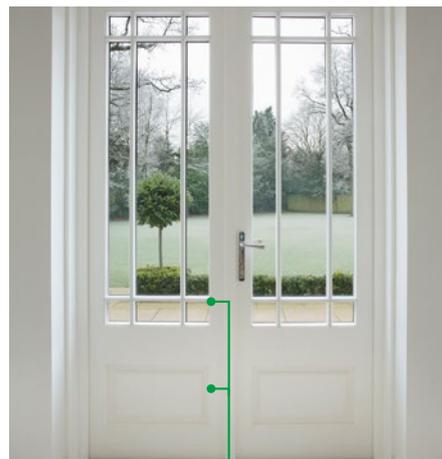
DOOR PROFILES



DBM1



DGB1



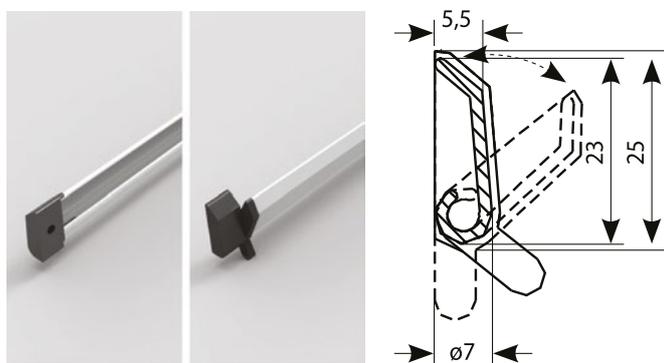
OTHER PROFILES ARE AVAILABLE. PLEASE ENQUIRE WITH SALES TEAM FOR LEAD TIMES AND MINIMUM ORDER QUANTITIES

WINDOW
VENTILATORS
– **SLOTVENTS**

WINDOW VENTILATOR – SLOTVENTS

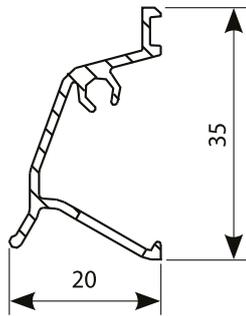
Slotvents are manufactured in aluminium, this to ensure the highest possible quality and durability. These aluminium slotvents can be powdercoated in any color making a perfect integration possible on wooden, uPVC and aluminium window frames. SBC proposes some standard lengths for the slotvents but most of the types can be made to measure. Slotvents are installed on window frames where a slot is ro-

uted through the frame. For long slotvents, enforcement bridges must be taken into account between the gaps, in order to prevent weakening the window frame. When combining an exterior and an interior slotvent, use the smallest slotsize opening indicated (airflow might be affected). Slotvents are not suitable for use in high rise applications.

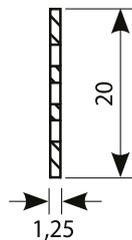


TIPVENT 487							
Product code	Lenght (mm)	Height (mm)	Slotsize opening (mm)	Airflow			
				1Pa (l/s)	2 Pa (l/s)	2 Pa (m³/h)	Equivalent Area (mm²)
487/1	275	23	250 x 16	3,3	4,7	17,0	4229
487/2	375	23	(165 x 16) + 20 + (165 x 16)	4,8	6,8	24,4	6080
487/3	475	23	(215 x 16) + 20 + (215 x 16)	5,9	8,3	30,0	7496
487/4	700	23	(325 x 16) + 25 + (325 x 16)	9,8	14,0	50,5	12527

WINDOW VENTILATOR – SLOTVENTS



CANOPY 486							
Product code	Lenght (mm)	Height (mm)	Slotsize opening (mm)	Airflow			
				1Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	Equivalent Area (mm ²)
486/1	275	35	250 x 25	1,7	2,4	8,5	2105
486/2	375	35	350 x 25	2,2	3,2	11,4	2805
486/3	475	35	(215 x 25) + 20 + (215 x 25)	3,2	4,6	16,5	4125
486/4	700	35	(325 x 25) + 25 + (325 x 25)	4,4	6,2	22,5	5550



FLAT GRILL 478							
Product code	Lenght (mm)	Height (mm)	Slotsize opening (mm)	Airflow			
				1Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	Equivalent Area (mm ²)
478/1	275	20	230 x 16	1,9	2,8	9,9	2453
478/2	375	20	330 x 16	2,8	3,9	14,2	3512
478/3	475	20	(205 x 16) + 20 + (205 x 16)	3,7	5,4	19,3	4753
478/4	700	20	(315 x 16) + 25 + (315 x 16)	5,6	8,0	28,8	7119

WINDOW VENTILATOR – SLOTVENTS

Trimvent Select Xtra R16 is a fully recessed plastic slot ventilator that fits over a 16mm slot in a window and provides an Equivalent Area (EA) of 4600 mm² when fitted with the XHD16 grille or XC16 canopy.

The XR16 is ideal for both new build or refurbished situations using timber windows and is available in a variety of colours.

Specifically developed for recent revisions to Part F of the Building Regulations, Ventilation (England & Wales), and to improve performance for requirements throughout the UK and Europe.

Revised design to improve performance and Regulations compliance.

Unique occupant controllable tilting T-bar.

No projection (when closed) for ease of window stacking. Re-cesses over 16mm slot.

Based on successful Trimvent® principle.

Sculpted finger recess.

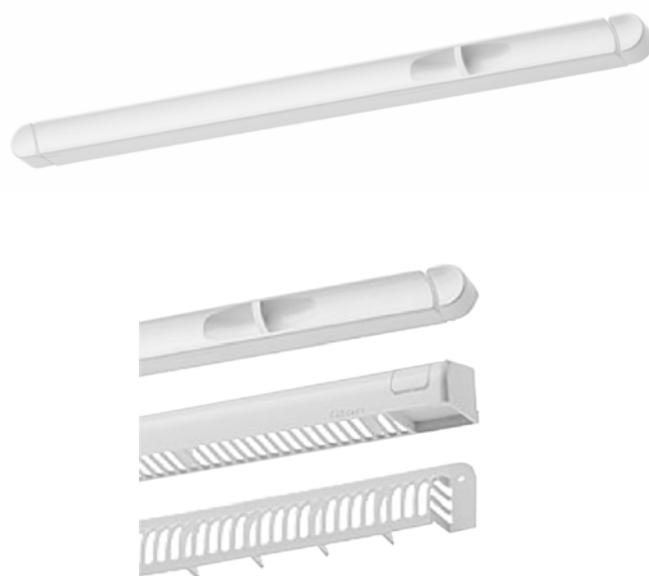
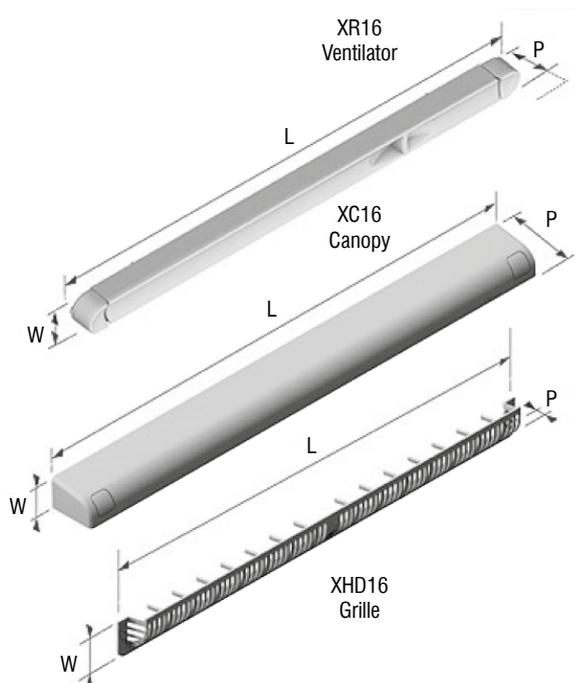
Matching screw covers.

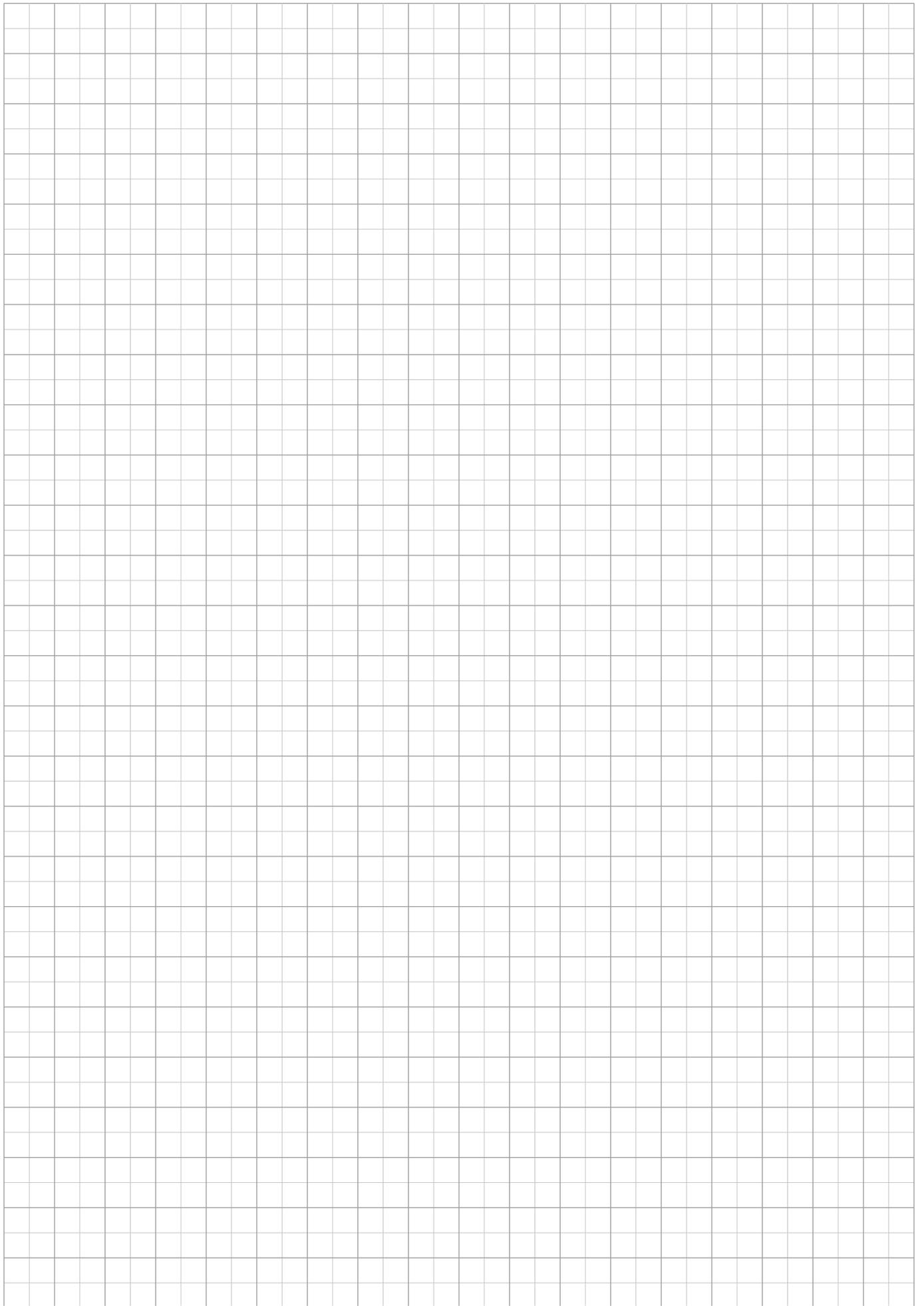
Patented and registered design.

Supplied with paint protection adhesive cover.

When specified correctly, complies with British Building Regulations.

Product	Product code	(L)	(W)	(P)	EA (mm ²)	Free Area (mm ²)	Slot Detail
		Length (mm)	Width (mm)	Projection Closed-Open (mm)			
XR16 4600EA Vent	TS1164630	351	21-32	0-18.5	4600	4530	151 10 151 16
XC16 364 Canopy	TS2164040	364	22	32.5		4990	
XR16 4600EA Vent	TS1164630	351	21-32	0-18.5	4600	4530	151 10 151 16
XHD16 Grille	TS3164030	358	26	13.5		5345	







e-mail: poland@sbc-europe.eu

phone: +48 22 100 4 100

website: www.sbc-europe.eu

address: SBC Europe Sp. z o.o.

Mickiewicza 66/92

01-650 Warszawa

www.oknaangielskie.pl

