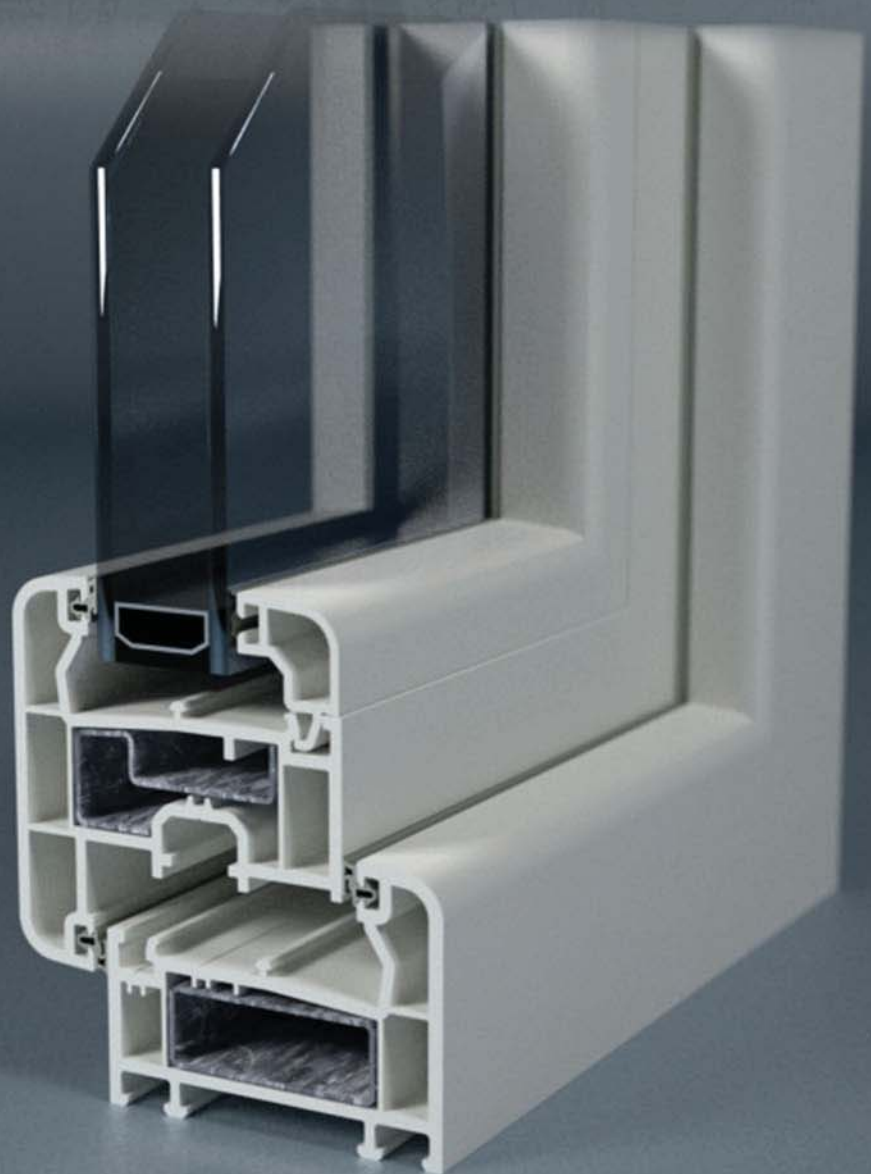


deceuninck®

# Security Manual BS7950

3000 **zendow**®  
06.08



data  
TECHNICAL



# CONTENT

## 1. BS7950

- 1.1. General Statements
- 1.2. List of screw types
- 1.3. Profile guide
- 1.4. Hardware parts list
- 1.5. Fitment of hardware
- 1.6. General arrangements
- 1.7. Glazing



# BS7950

**GENERAL STATEMENT**  
LIST OF SCREW TYPES  
PROFILE GUIDE  
HARDWARE PARTS LIST  
FITMENT OF HARDWARE  
GENERAL ARRANGEMENTS  
GLAZING



This technical manual must be read in conjunction with the main fabrication manual for the Deceuninck 3000 zendow casement window system.

**■ WELDING**

All window frames are to be fully welded.

To avoid weld contamination, heater plates and Teflon covers must be cleaned on a regular basis and replaced if any surface deterioration is found.

**NOTE. TO AVOID INJURY, HEAT RESISTANT GAUNTLETS SHOULD BE WORN WHEN CLEANING OR REPLACING HEATER ELEMENTS.**

Protective tape should be peeled back from the weld sufficiently to ensure tape is not trapped within the weld.

**■ FABRICATION**

To achieve the BS 7950 security test, all windows must be fully reinforced with the appropriate steel reinforcing.

The positioning of reinforcement retaining screws should be at no greater than 300mm centres and a maximum of 100mm in from each end.

Drainage should be carried out strictly in accordance with the Deceuninck 3000 zendow Technical Manual.

**■ HARDWARE**

To achieve the BS 7950 security test all opening lights must be fitted with the recommended hardware listed and illustrated within this manual.

**■ HARDWARE RETAINMENT**

To achieve the BS 7950 security test all hardware must be retained with the recommended screws listed and illustrated within this manual.

**■ INSTALLATION**

Installation should be carried out strictly in accordance with the Deceuninck 3000 zendow Technical Manual.

**■ MAXIMUM SIZES**

Please see below for details

Window Type	Length (up to a maximum of)	Height (up to a maximum of)	Area (up to a maximum of)	Distance between locking points	Friction Stays (up to and including)	Transom/Mullion length including frame (up to a maximum of)	Exposure category as given in Table 1 of BS 7412: 2002
Projecting top hung windows Reinforced	1200mm	1200mm	-	Hinge protector to hinge protector	HD 24"	-	Class E 2400
Projecting side hung windows Reinforced	700mm	1400mm	-	Hinge protector to hinge protector	16"	-	Class E 2400
Fixed windows Reinforced	2000mm	2000mm	4.00m <sup>2</sup>		-	-	Class E 2400
Multilight windows Reinforced	2400mm	2400mm	3.36m <sup>2</sup>		-	1400mm	Class 4A 1600

# BS7950

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PROFILE GUIDE  
HARDWARE PARTS LIST  
FITMENT OF HARDWARE  
GENERAL ARRANGEMENTS  
GLAZING



It is important that good quality, high strength screws are used when fitting hardware, and that the screw manufacturers recommended pilot hole sizes are adhered to at all times. When fitting hardware, extreme care must be taken not to strip the thread as deterioration in performance will result. In order to achieve maximum fixing strength screws should not be removed and reinserted.

## Recommended Screw Supplier



Star Business Park, Buxton Road, Bosley  
Macclesfield, Cheshire. SK11 0PS  
Tel: 01260 223311 Fax: 01260 223312

- ISO 9001:2000 Quality Assured window screw range, offering full traceability.
- Screws that exceed both the current and proposed requirements of BS7412, the British Standard for PVCU windows.
- Full Technical support including detailed specifications and independent laboratory reports on the excellent corrosion resistance of the plating (conducted in accordance with BS7479:1991).
- Conforms to and exceeds GGF Guidelines 6.8 July 2004 and BPF Guidelines Ref:W363/1 February 2001.
- Manufactured from high grade carbon steel or 100% stainless steel to provide maximum strength.
- Local Authority PVCU Frame Advisory Group (LAPFAG) approved supplier.
- Next day nationwide delivery from the largest stock holding distributors of screws in the UK.
- Competitive prices and a high standard of service and reliability.

Please telephone **01260 223311** or fax **01260 223311** if you require an **RapierStar** product guide, samples or quotation for the specialist security screws designed for use into reinforced or non-reinforced applications



Product range: SFG  
Description: Shallow Pan Head, Phillips No.2 recess, with single deep thread and gimlet point.  
Application: Friction stay to unreinforced PVCu windows  
SFG 4.3 x **16 20 25**  
Finish Z/S Quantity per box 1,000  
e.g. SFG 4.3 x 25 Y



Product range: SSR  
Description: Shallow Pan head, Phillips No.2 recess, with self tapping thread and self drilling point.  
Application: Friction stay to reinforced PVC-U windows  
SSR 3.9 x **16 19 25 29**  
Finish Z/S Quantity per box 1,000  
e.g. SSR 3.9 x 25 Y

It is important that good quality, high strength screws are used when fitting hardware, and that the screw manufacturers recommended pilot hole sizes are adhered to at all times. When fitting hardware, extreme care must be taken not to strip the thread as deterioration in performance will result. In order to achieve maximum fixing strength screws should not be removed and reinserted.

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Product range: CFG  
Description: Countersunk head, Phillips No.2 recess, with single deep thread and gimlet point.  
Application: Hardware to unreinforced PVCu windows and doors  
CFG 4.3 x Finish 16 20 25 30 35 45 55 65 Z/Y/S Quantity per box 1,000  
e.g. CFG 4.3 x 25 Y



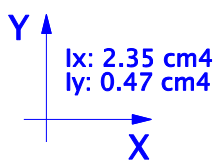
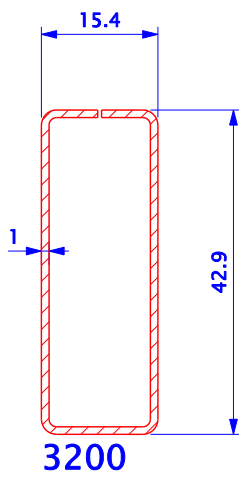
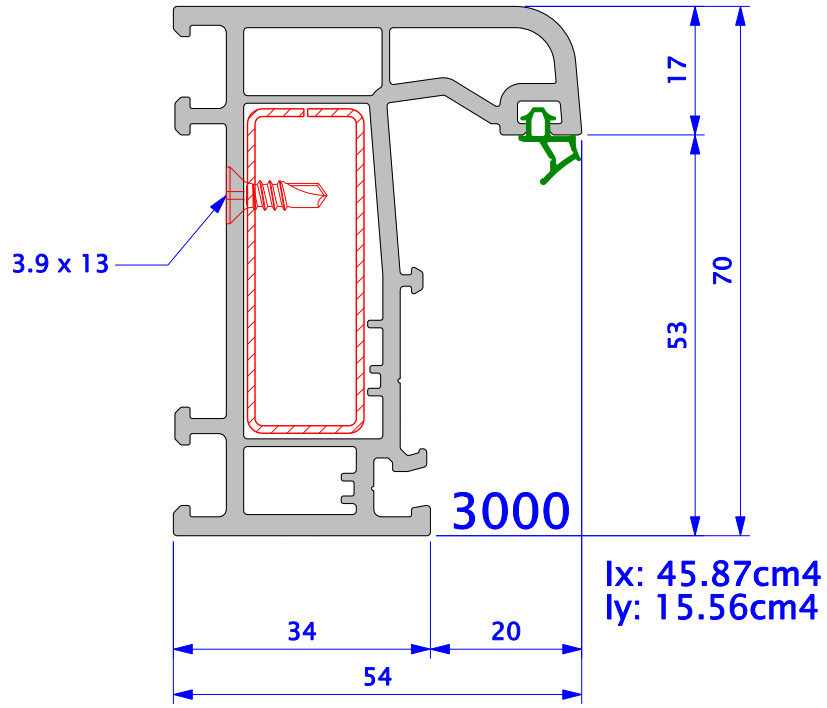
Product range: CSR  
Description: Countersunk head, Phillips No.2 recess, with self tapping thread and self drilling point.  
Application: Hardware to reinforced PVC-U windows and doors.  
CSR 3.9 x Finish 13 16 19 25 32 38 45 Z/Y/S Quantity per box 1,000  
e.g. CSR 3.9 x 25 Y

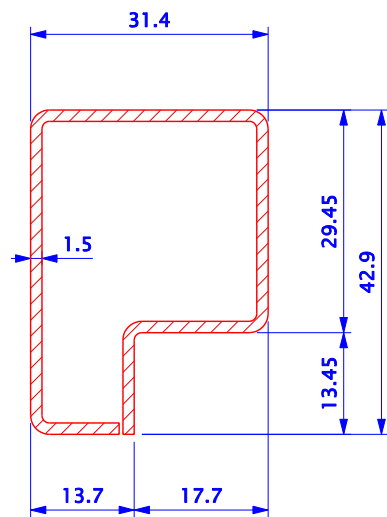
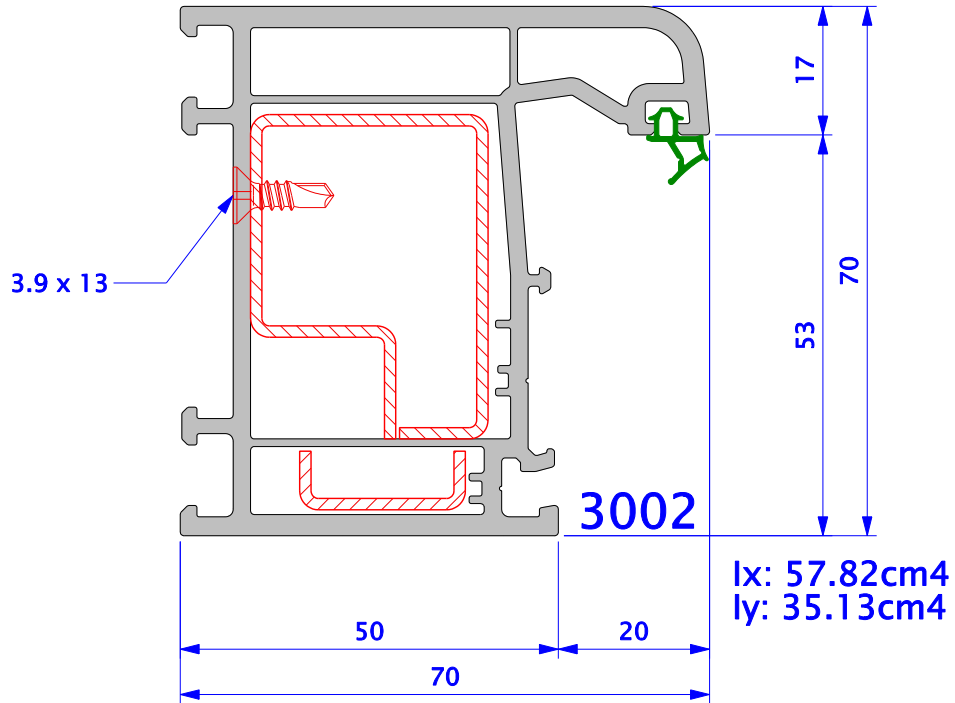
# BS7950

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GENERAL ARRANGEMENTS  
GLAZING

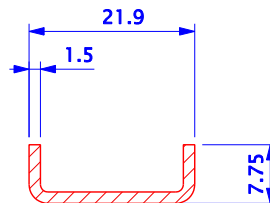
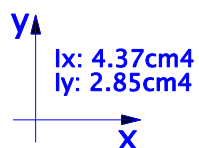




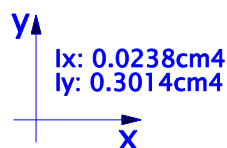




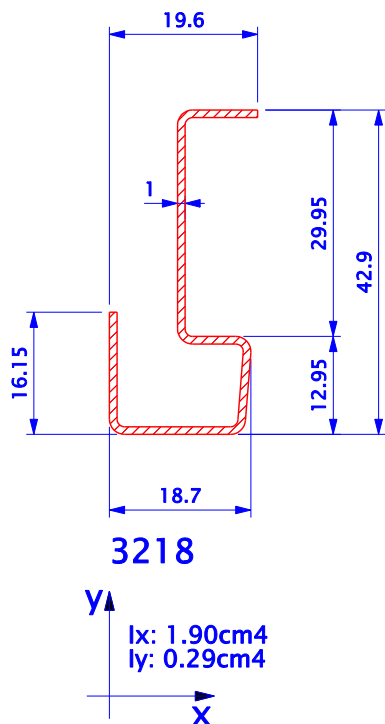
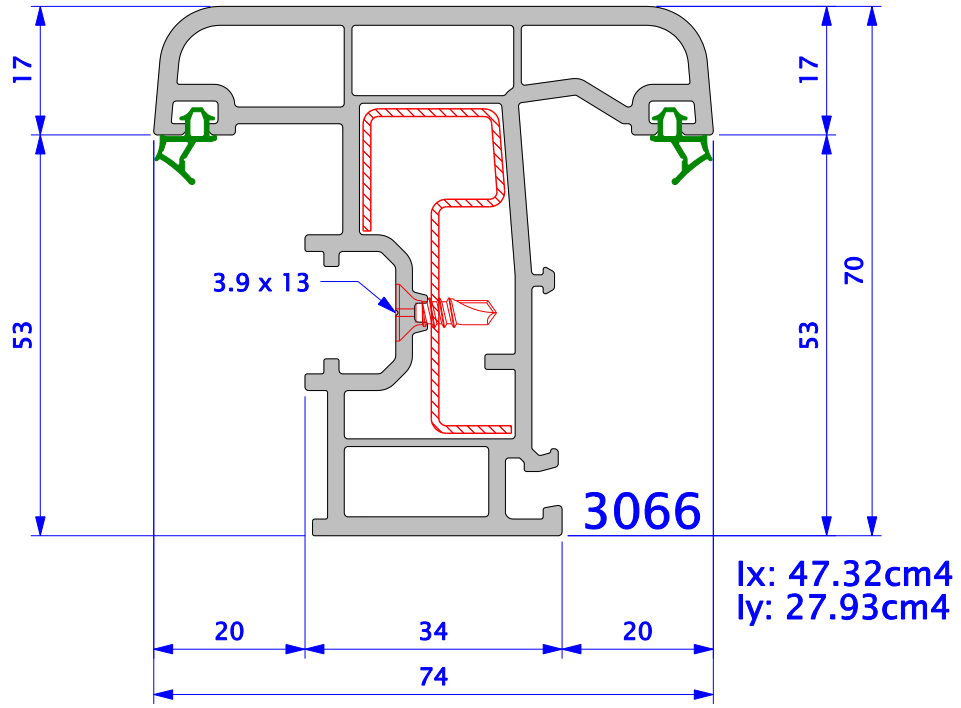
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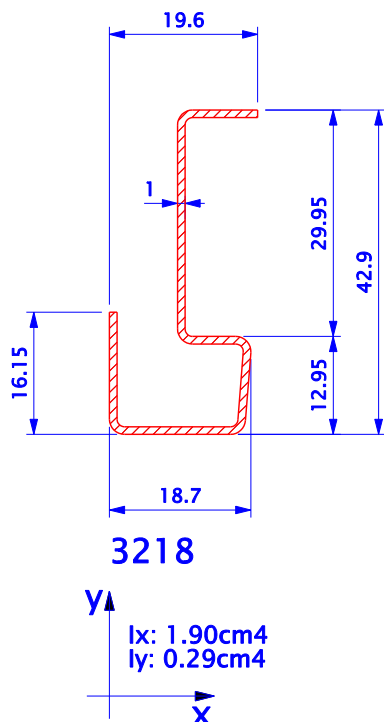
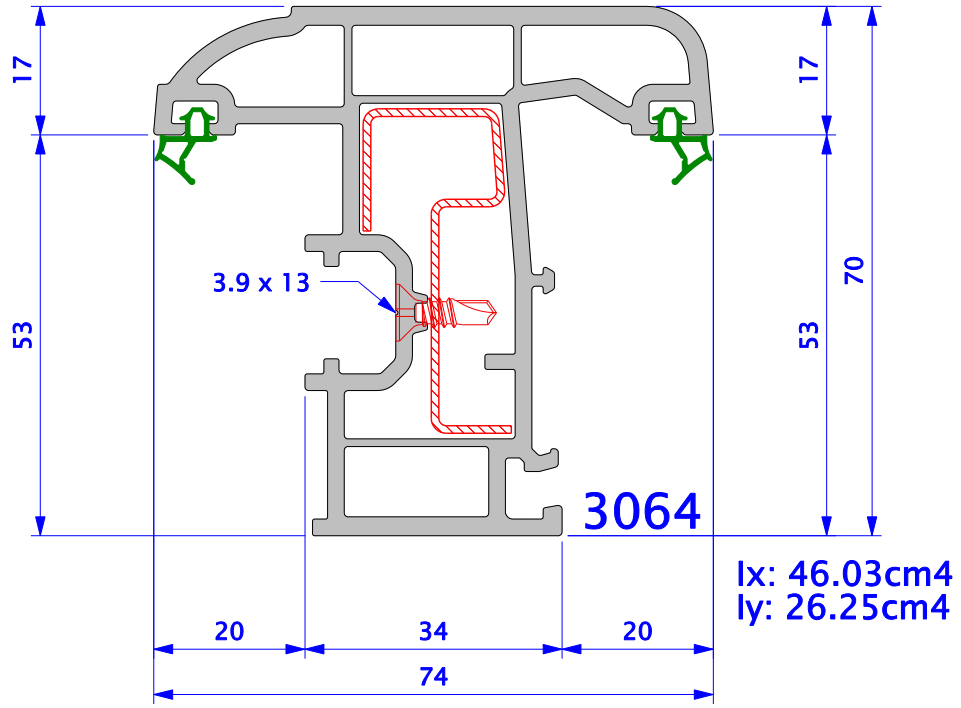


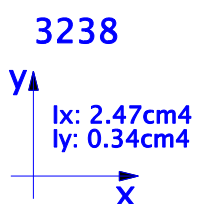
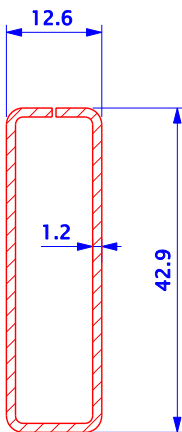
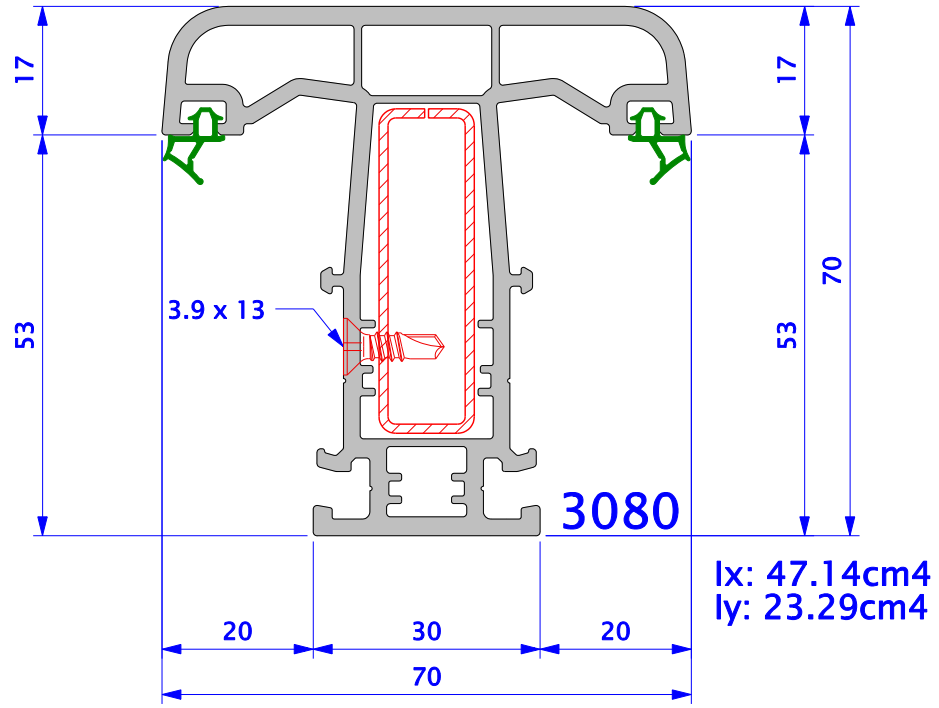
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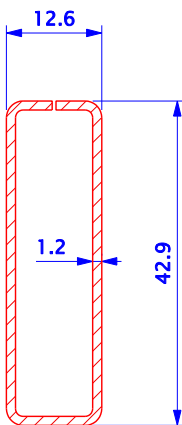
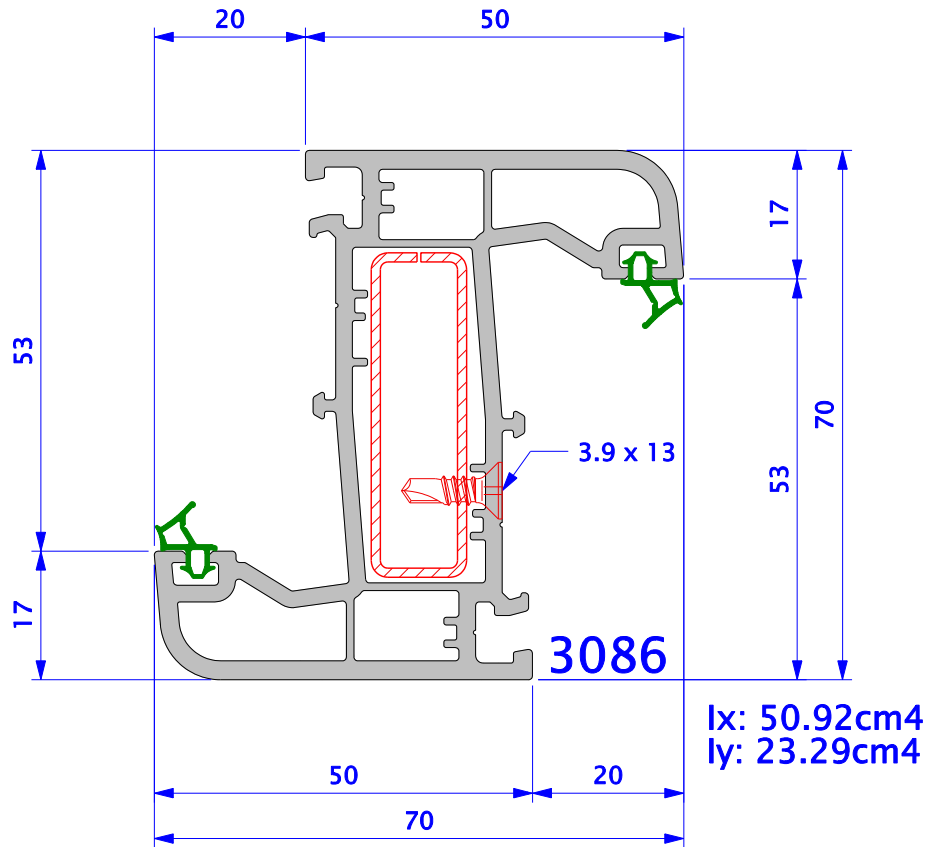


Optional reinforcement  
for additional strength.  
Not compulsory for  
BS 7950 test.

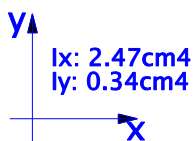


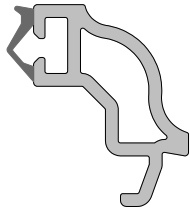




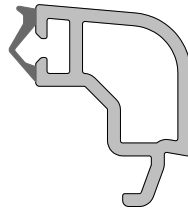


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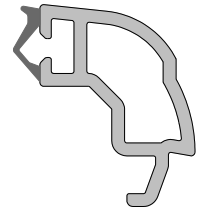




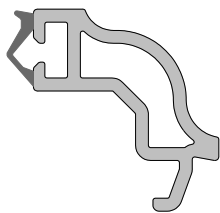
**3027**  
28mm Bead  
Retro



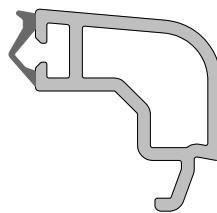
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28mm Bead  
Standard



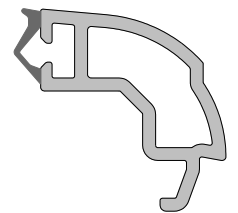
**3029**  
28mm Bead  
Contemporary



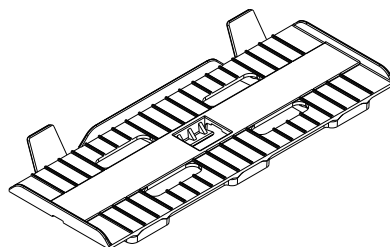
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24mm Bead  
Retro



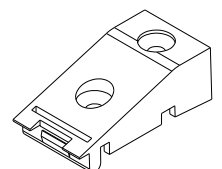
**3024**  
24mm Bead  
Standard



**3034**  
24mm Bead  
Contemporary



**3251**  
Glazing  
Packer



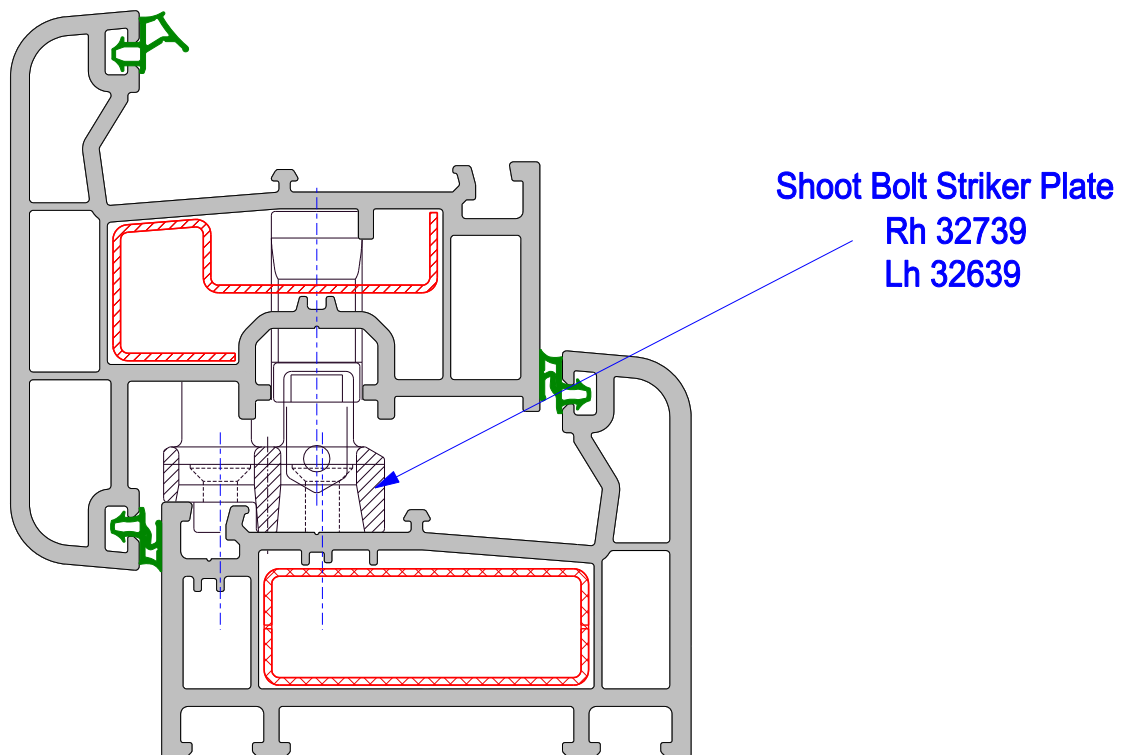
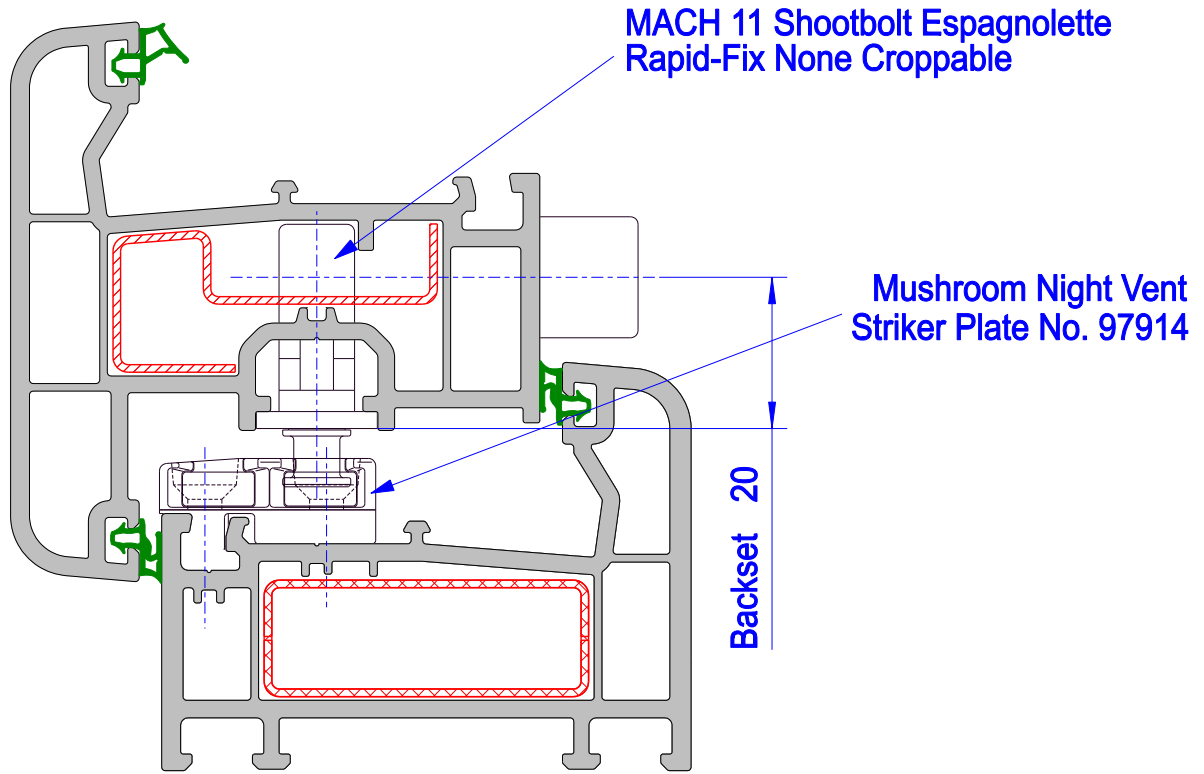
**3355**  
Anti-Jemmy/  
Lifting Wedge

# BS7950

GENERAL STATEMENT  
LIST OF SCREW TYPES  
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**HARDWARE PARTS LIST**  
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GENERAL ARRANGEMENTS  
GLAZING







# Securistyle<sup>®</sup>

## Fixing Hole Centre Reference – DEFENDERS® Highline Hinges

DT – Defender Top Hung H6 – 16mm Stack Height

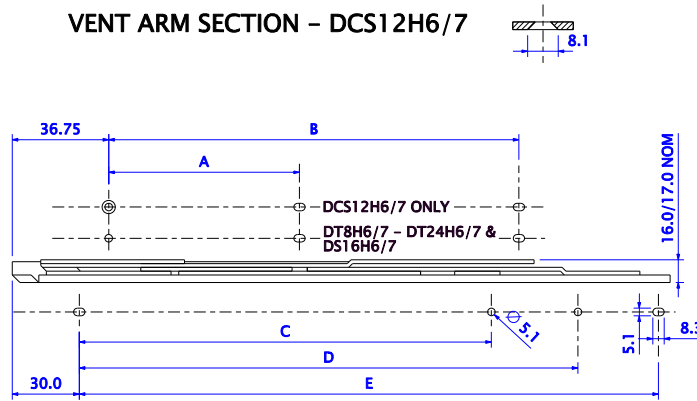
DS – Defender Side Hung H7 – 17mm Stack Height

DCS – Defender Side Hung (countersunk variant)

### Dimensions

Description	A	B	C	D	E
DT8H6/H7	18.2	95.0	121.6	-	172.5
DT10H6/H7	18.2	119.6	179.9	-	223.2
DT12H6/H7	95.0	152.75	209.5	-	274.0
DT16H6/H7	152.75	220.5	281.2	-	375.6
DT20H6/H7	220.5	271.75	246.8	-	477.2
DT24H6/H7	271.75	322.5	195.0	-	578.8
DCS12H6/H7	119.6	188.25	195.0	-	274.0
DS16H6/H7	152.75	220.5	209.5	327.0	375.6

### VENT ARM SECTION – DCS12H6/7

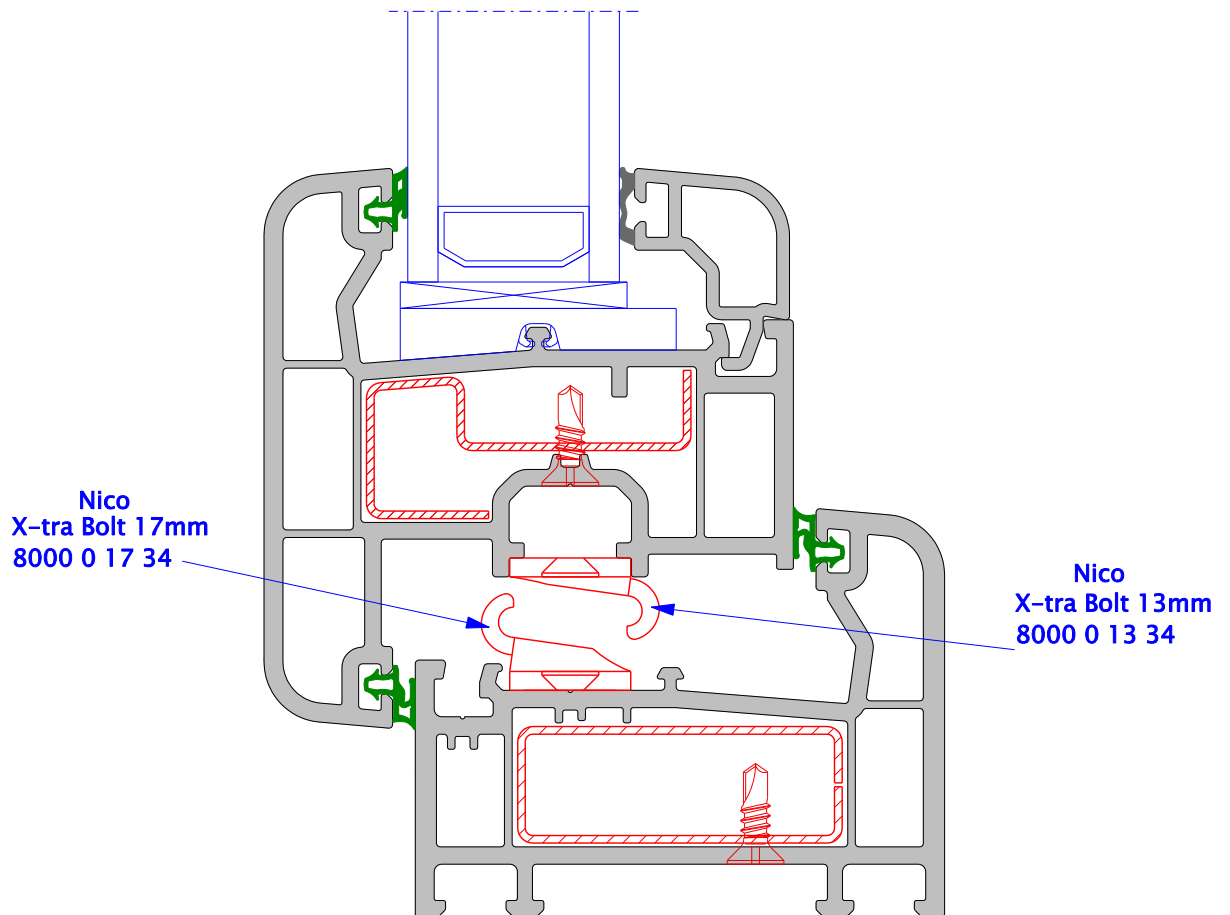
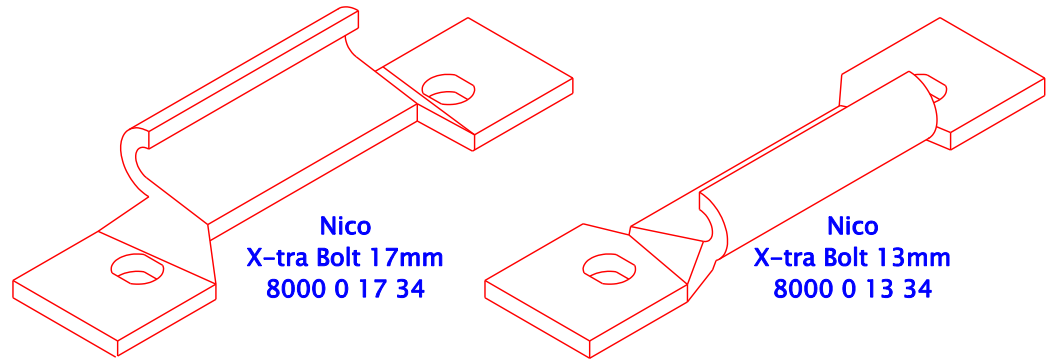


Hinge Code (Top Hung)	Max. Vent Weight (Kg)	Min. Vent Height (mm)	Max. Vent Height (mm)	Max. Vent Width (mm)	Restricted Angle (+/- 2.5°)	Opening Angle (+/- 2.5°)
DT6	10	150	300	-	-	50°
DT8	12	200	350	-	-	50°
DT10	16	275	400	-	-	80°
DT12 DTR12	20	350	550	-	14°	80° 65°
DT16 DTR16	21	500	750	-	10°	80° 59°
DT20 DTR20	24	700	1000	-	9°	50°
DT24 DTR24	36	850	1200	-	7°	37.5°
Hinge Code (Side Hung)		Min. Vent Width (mm)				
DC12 & DCS12 DSR12 & DCSR12	22	300	-	600	13°	60° 58°
DS16 DSR16	24	400	-	700	11°	60° 58°

Note: Vent height width is measured from rebate to rebate (not overall size or outer frame size) on conventional windows or glass size on structurally glazed windows e.g. curtain wall panels whichever is the greater dimension. For maximum vent height and widths not stated, consult profile manufacturers for recommendations on requirements of system strength and sealing.

Note: Above sizes/weight also apply to DEFENDER® Hinge Variants – H6, H7 (Highline) & S (Slimline–non restricted standard stack height only).

Note: For slim aluminium systems these vent sizes may need to be reduced on restricted hinges to comply with a maximum restricted opening of 100mm. See chart in restricted section.



# BS7950

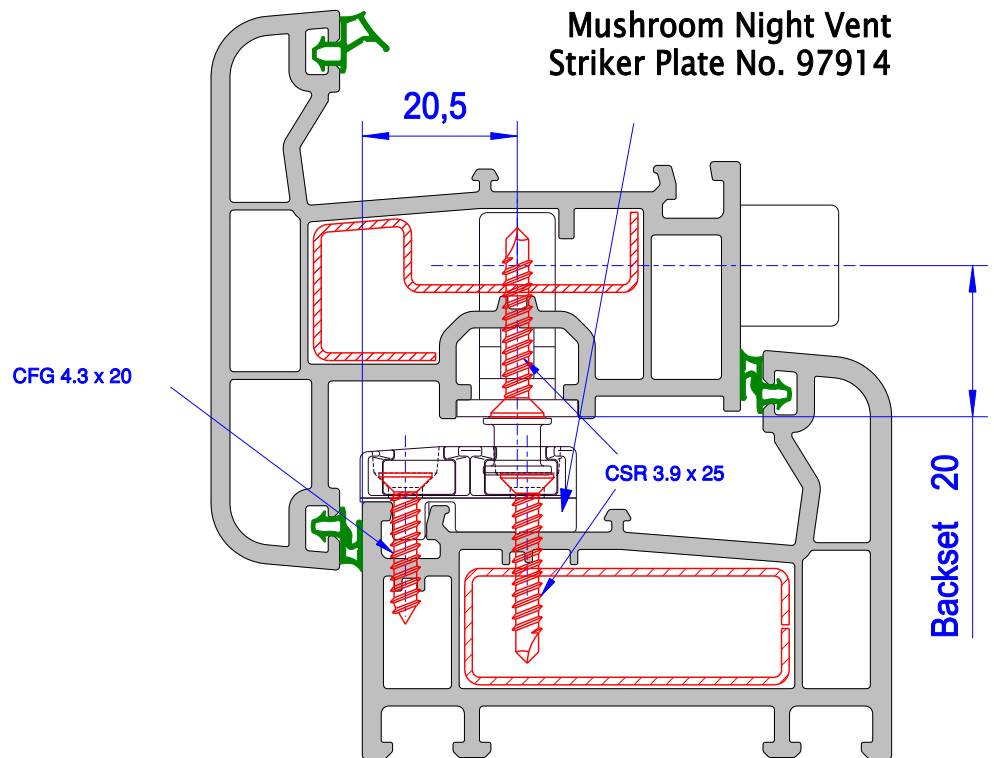
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PROFILE GUIDE  
HARDWARE PARTS LIST  
**FITMENT OF HARDWARE**  
GENERAL ARRANGEMENTS  
GLAZING



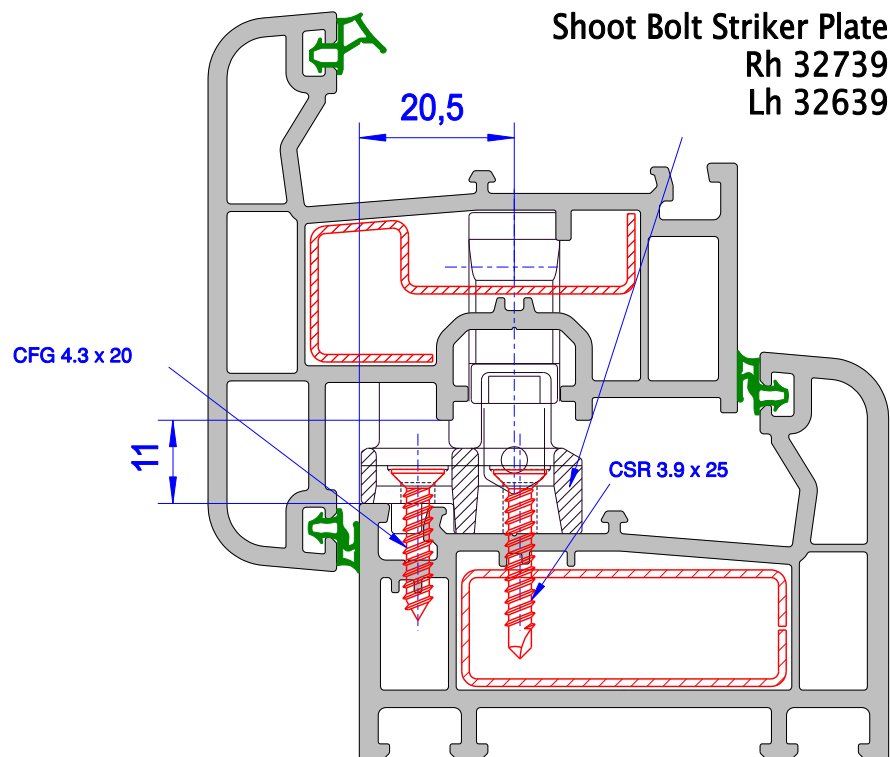


Mach II Shootbolt

Mushroom Night Vent  
Striker Plate No. 97914

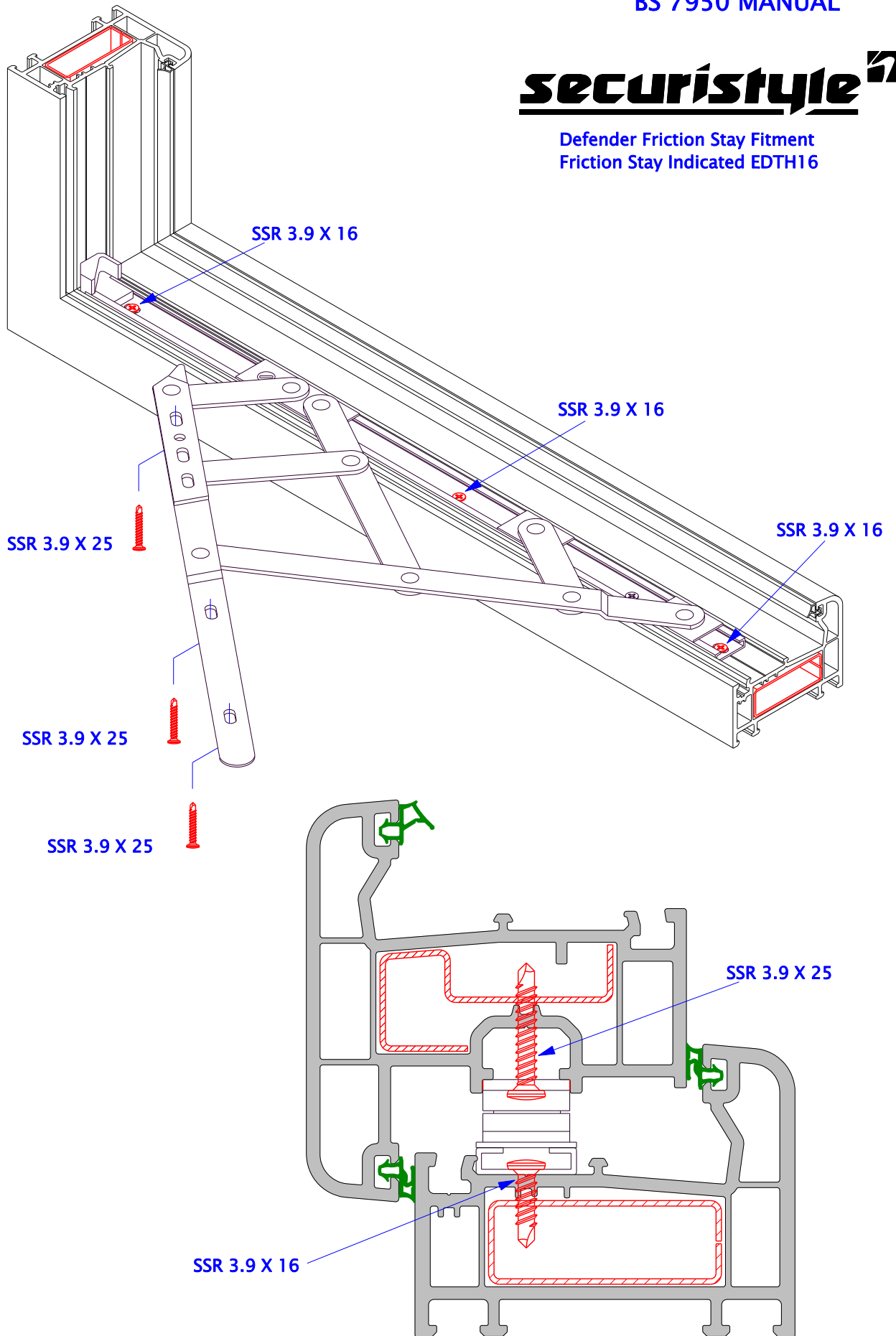


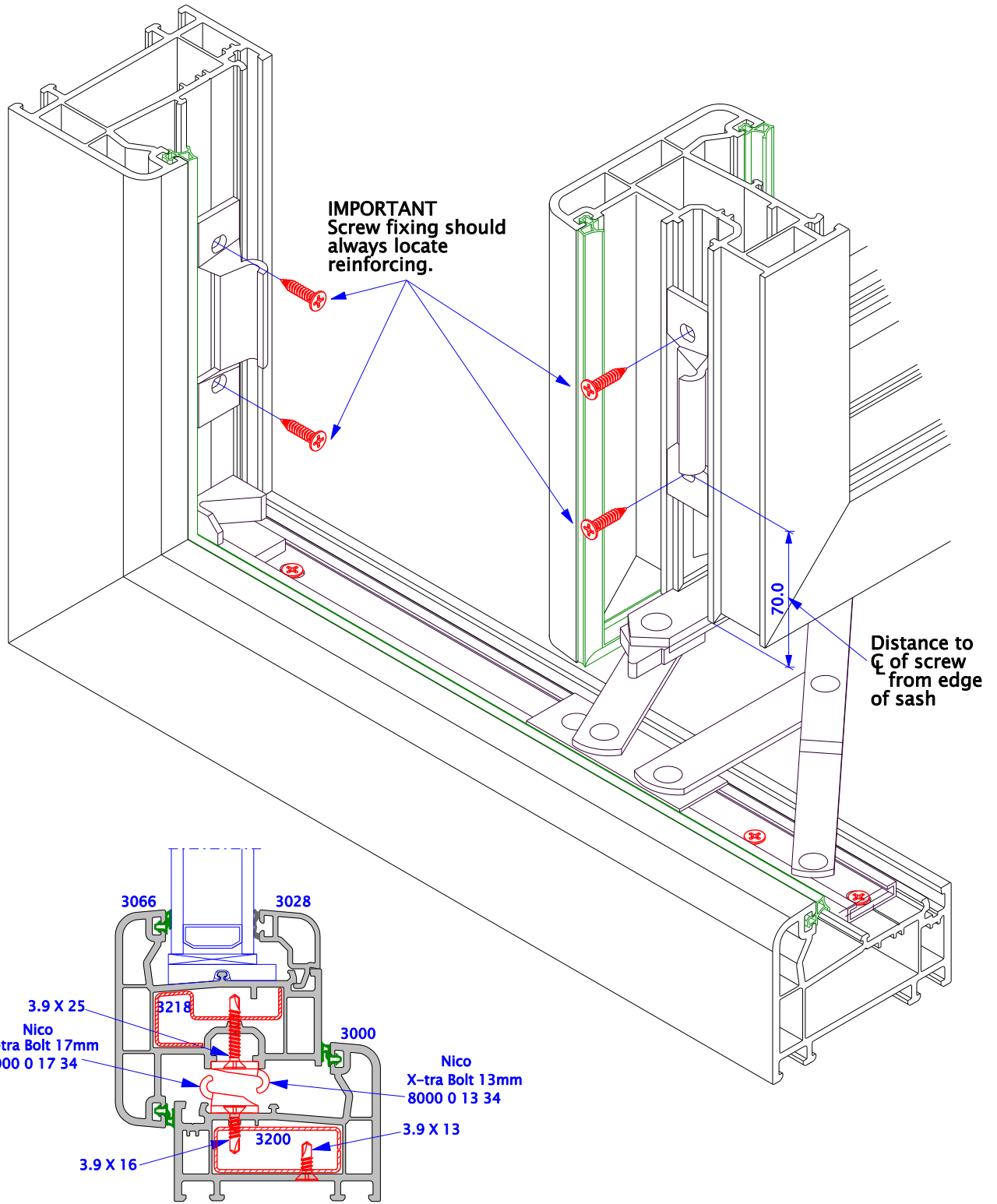
Shoot Bolt Striker Plate  
Rh 32739  
Lh 32639



# securistyle<sup>®</sup>

Defender Friction Stay Fitment  
Friction Stay Indicated EDTH16





# BS7950

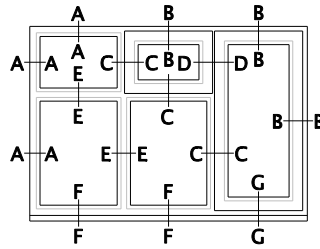
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**GENERAL ARRANGEMENTS**  
GLAZING



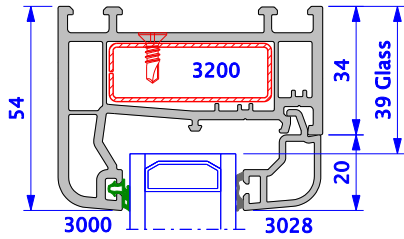


# SECTIONS

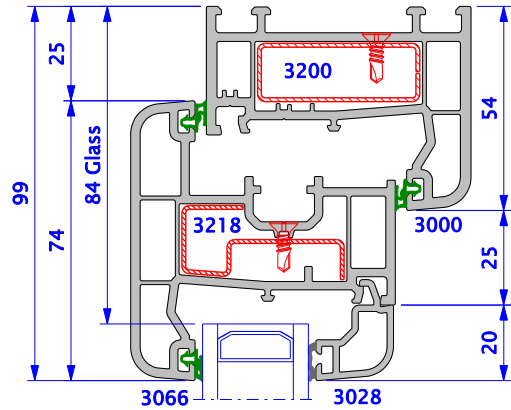
Casement Window  
Internally Beaded  
Small Outer Frame



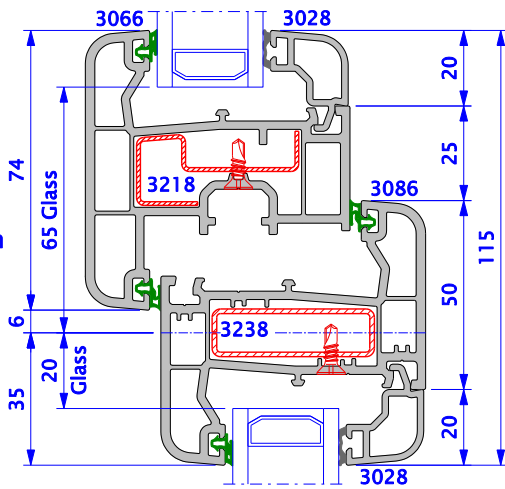
Section A-A



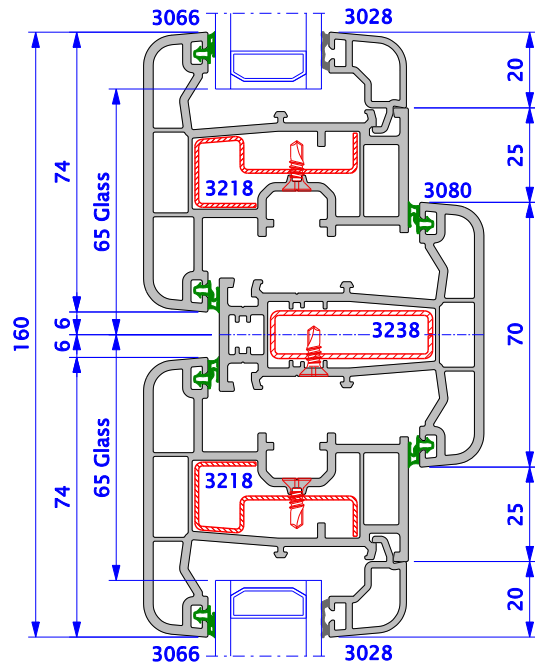
Section B-B



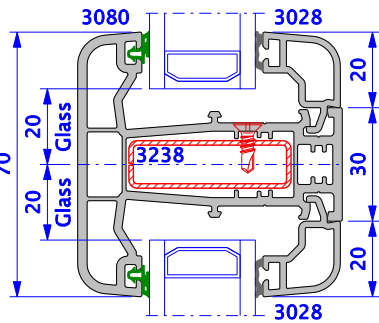
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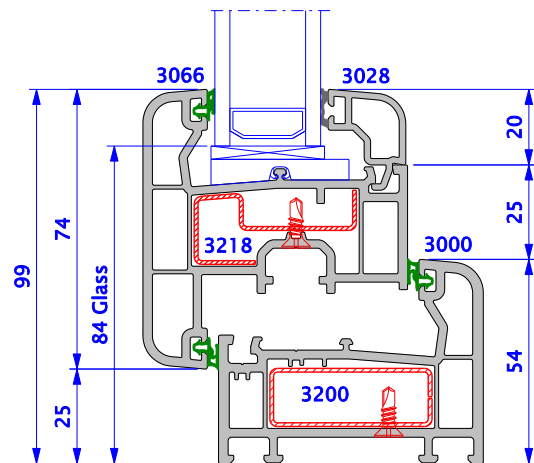
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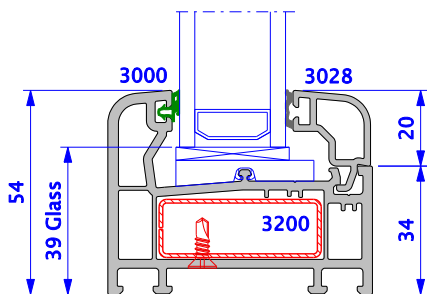
Section E-E



Section G-G

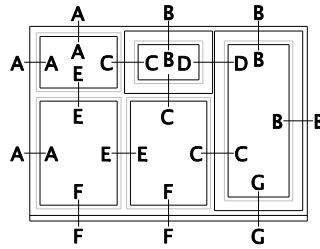


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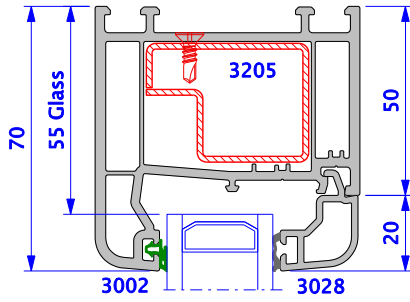


# SECTIONS

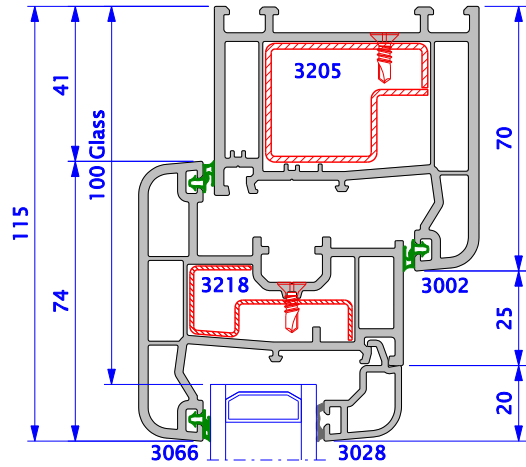
Casement Window  
Internally Beaded  
Large Outer Frame



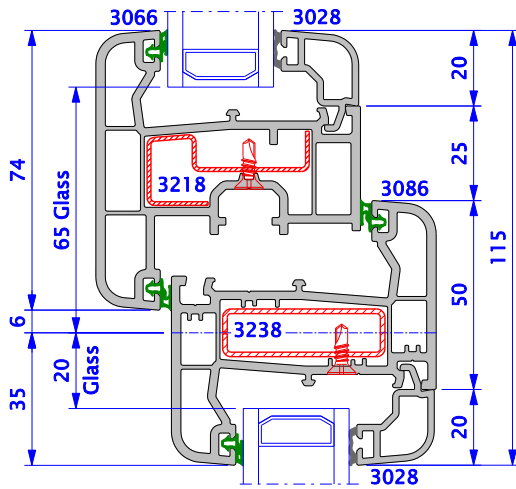
Section A-A



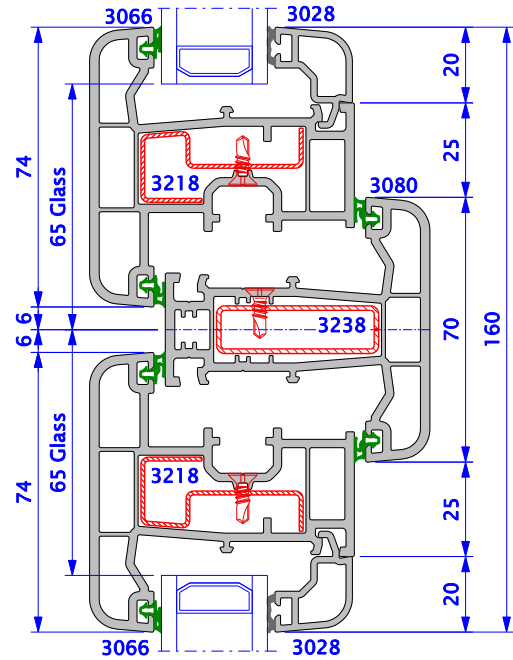
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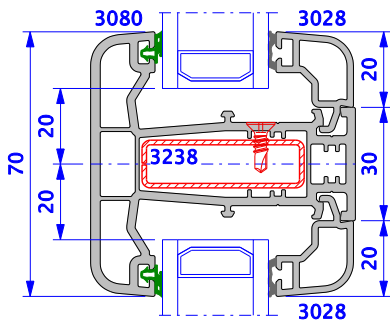
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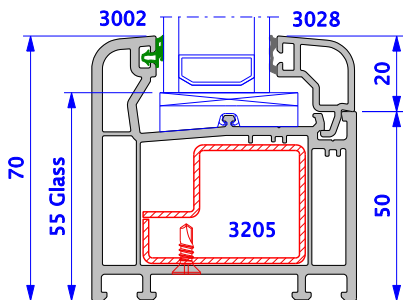
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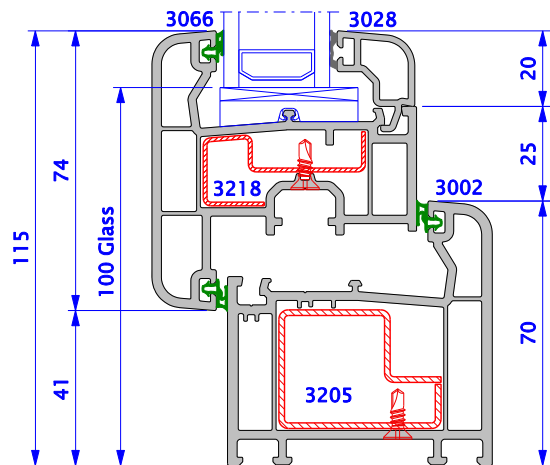
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Section F-F

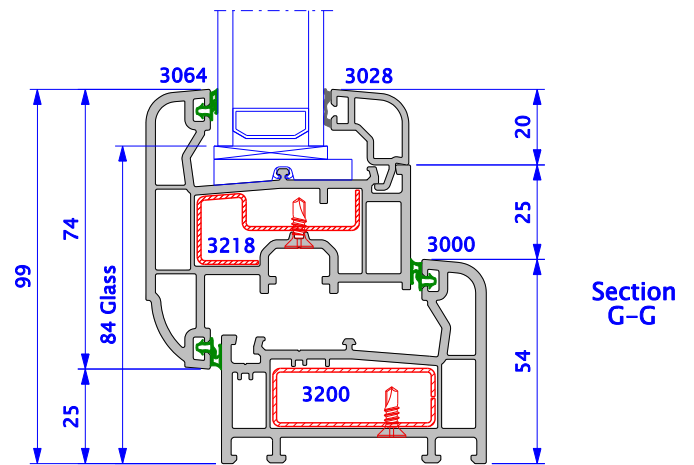
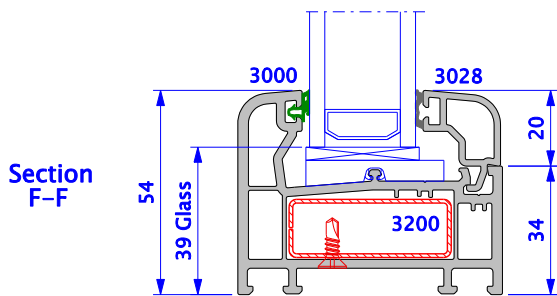
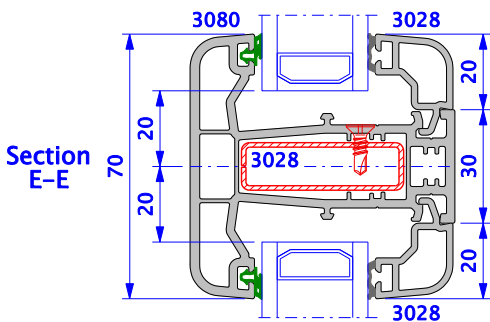
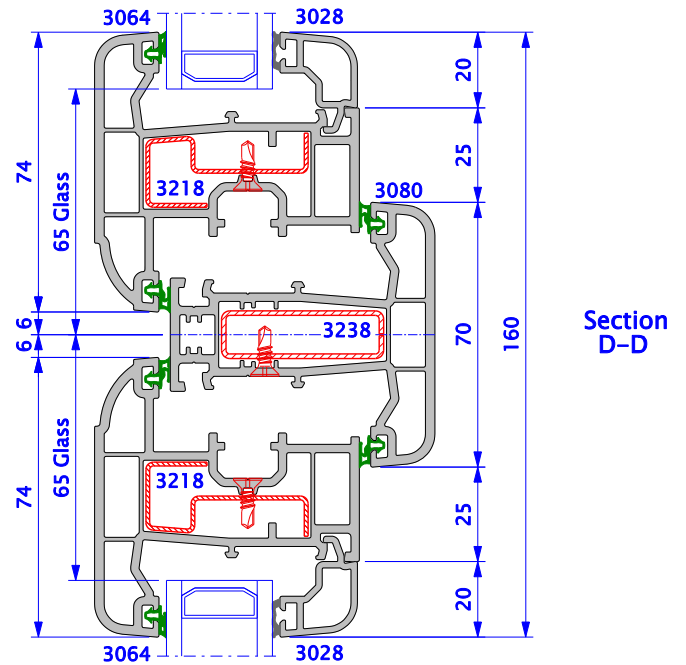
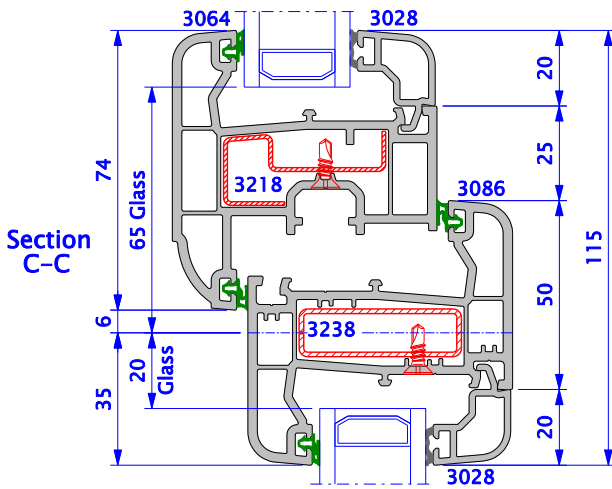
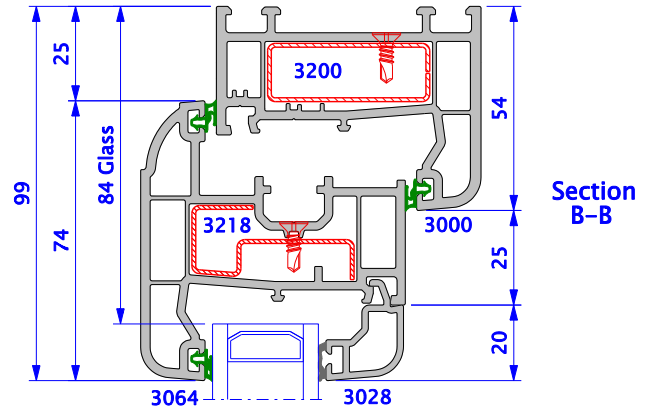
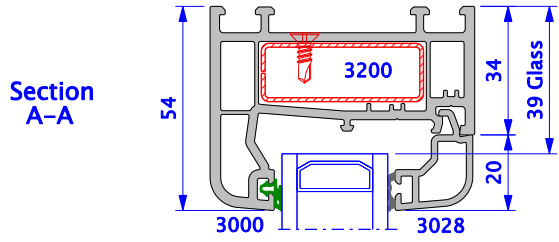
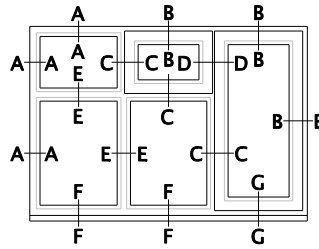


Section G-G



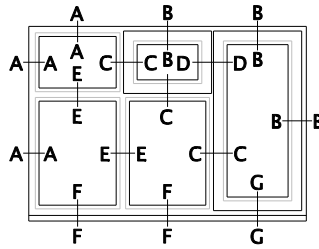
**SECTIONS**

Casement Window  
Internally Beaded  
Decorative Sash 3064  
Small Outer Frame

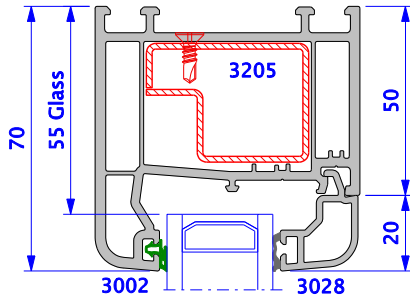


# SECTIONS

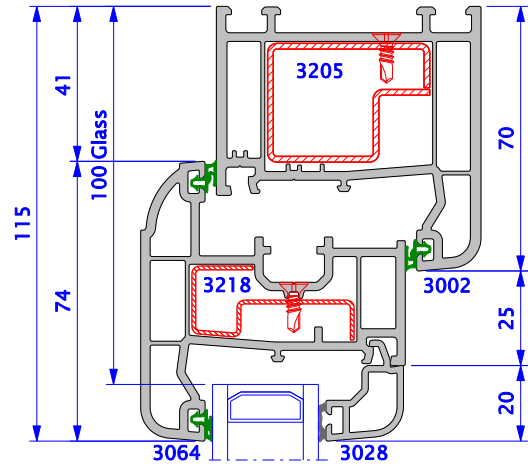
Casement Window  
Internally Beaded  
Decorative Sash 3064  
Large Outer Frame



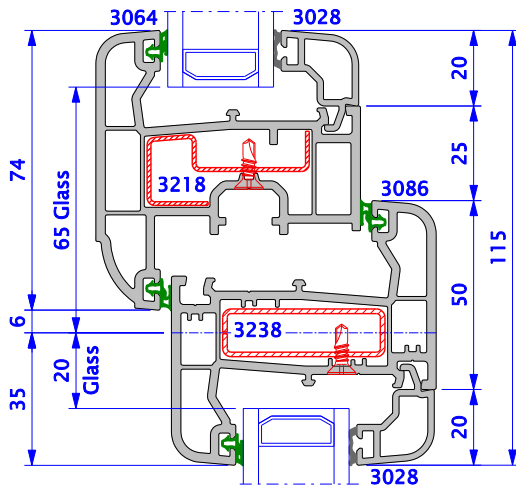
Section A-A



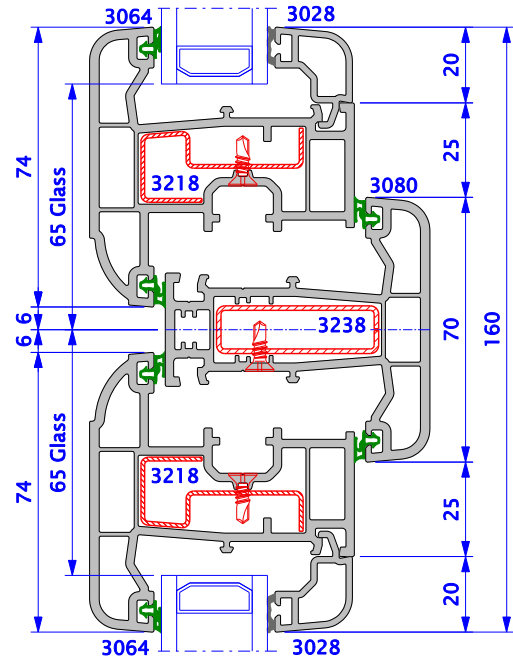
Section B-B



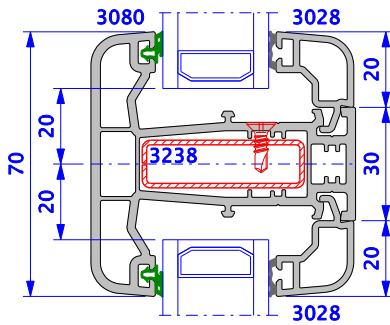
Section C-C



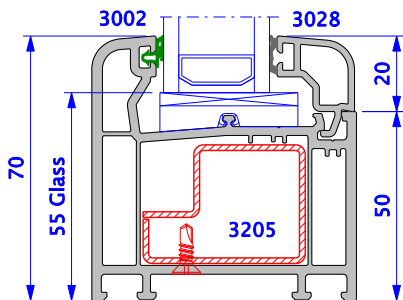
Section D-D



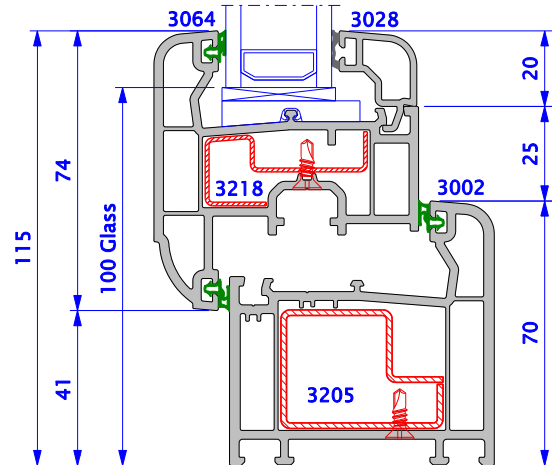
Section E-E



Section F-F



Section G-G

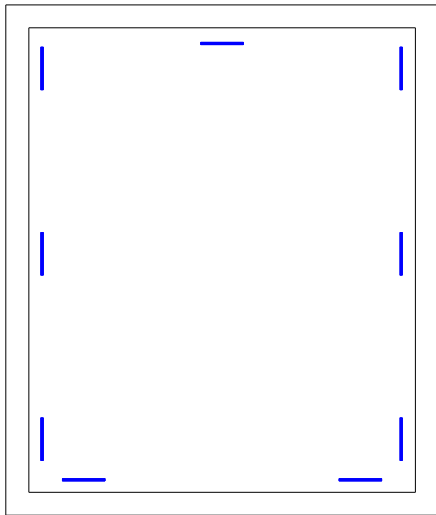


# BS7950

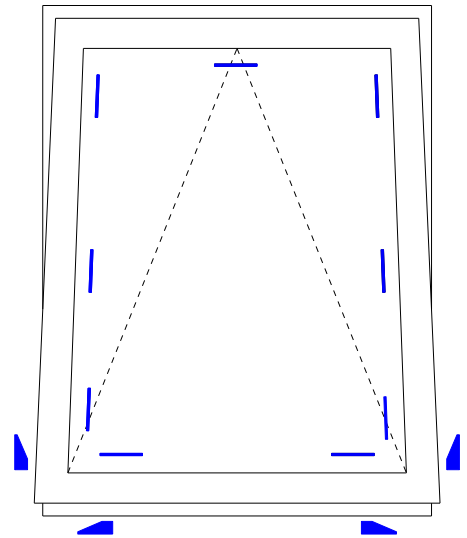
GENERAL STATEMENT  
LIST OF SCREW TYPES  
PROFILE GUIDE  
HARDWARE PARTS LIST  
FITMENT OF HARDWARE  
GENERAL ARRANGEMENTS  
**GLAZING**



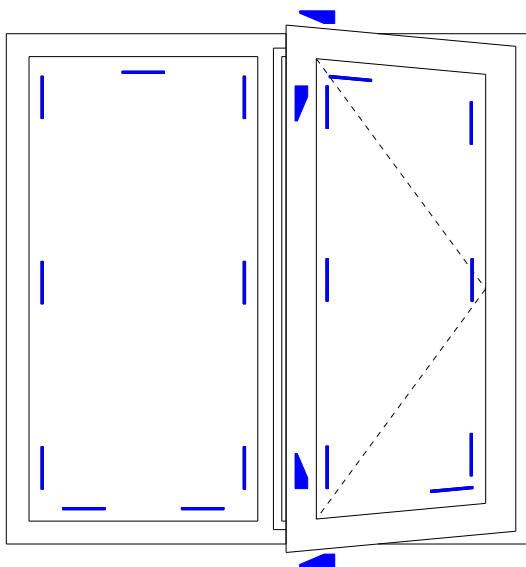
These diagrams are intended as guidelines only.  
 Glazing packers should have maximum centres of 500mm and be a maximum of 150mm from corner of unit.  
 The number of vertical packers is relative to the window height (with a minimum of 2 per side).  
 Deceuninck also recommend the positioning glazing packers behind locking points and hinge bolts.



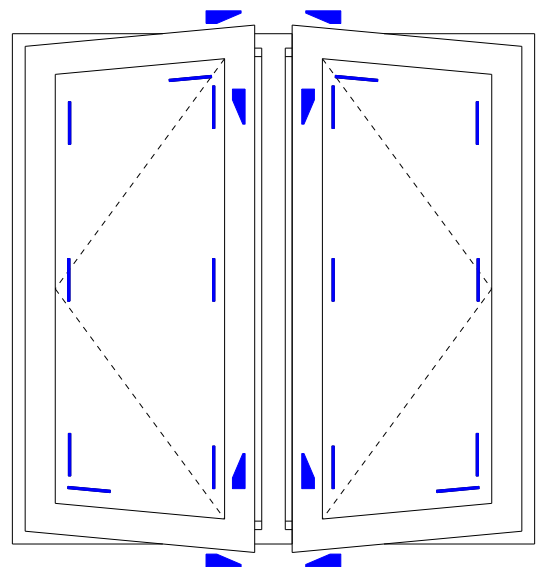
FIXED LIGHTS



TOP HUNG



SIDE HUNG NEXT TO FIXED

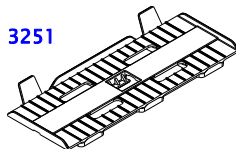


SIDE HUNG NEXT TO SIDE HUNG

— GLAZING BRIDGE

▲ ANTI-JEMMY/  
LIFTING WEDGE

3251



3355

