



**BF73 ALUMINIUM BIFOLD
DOOR SYSTEM AND HARDWARE
TECHNICAL MANUAL**

Luxury Aluminium By

ALUNET
SYSTEMS



Luxury Aluminium By

ALUNET
SYSTEMS

Making It Easy!

You asked, we listened. Making fabrication and installation easy!

Continually investing to add value to our customers whilst offering the best all-round performance aluminium products to the UK market, Alunet Systems' entire Aluna range provides premium security, luxurious durability, and robust functionality as standard.

Making it easy is a key attribute of the Aluna product family, as is never standing still with regards product design and differentiating product features. Made from marine grade aluminium our Aluna range is specifically designed and manufactured with enhanced corrosion resistance enabling a finished product that not only looks good immediately after installation, but it also continues to perform and retain that luxurious finish for years to come.

With Aluna, the premium aluminium range from Alunet Systems, you can fabricate and install an entire house project – Making It Really Easy!

There are several reasons that Aluna is fast becoming the go-to brand of choice in the UK for luxury aluminium, but here is an overview:

/// Everything we design and do has our customers at the heart, front, and centre.

/// Pas24 certified luxury aluminium across all of our Aluna range.

/// Unrivalled strength and durability. Aluna is strong, durable, lightweight and corrosion resistant to withstand any weather.

/// Excellent thermal efficiency.

/// Secure and highly attractive.

/// We have a vast UK stock holding of our standard colours.

/// Available in all RAL colours on request.

/// Super Slim Sash and Clip In Bead available.

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INTRODUCTION

Alunet BF73 Aluminium Bi-Fold Door Operating Hardware is designed for use in both domestic and commercial applications

The following pages cover 'BF73' thermal aluminium, bottom running, Bi-Fold door sets - opening either outward or inward as required - and includes a choice of 'fully weathered' or 'low level' Cills complete with integrated locking solutions. The system gives the option of using an adjustable jamb thus enabling on site adjustment for a perfect fit.

GLAZING

Glazing is always carried out from the inside for security and our purpose designed EPDM gasketry is used to achieve the best possible weather seal. BF73 Bifold System can take double or triple glazing and the folding panels accept 28mm double glazed units with standard bead. If other single, double or triple glazed unit thickness are required, up to 44mm units can be accommodated.

THERMAL

The system can achieve U values ranging from 1.4 -1.7 [W/ (m.K)] depending on the glass value used and sections chosen. Use of the latest thermally efficient polyamide strips of widths up to 30mm ensures excellent U values.

FINISHES

Uncoated aluminium (known as 'Mill/Raw' finish) metal can of course be taken and finishes applied by the fabricator's choice of powder coat applicator before fabrication. Powder coating is available in many colours and gloss levels.

SECURITY/LOCKING

The BF73 system has dedicated shoot bolt intermediate locks operated by low projection handles in a variety of styles. The pass door incorporates a traditional lever/lever 3 point dead latch & hook lock with dedicated strike plates. For doors over 2500mm tall this lock has the option for adding a top shoot bolt for security and weather sealing. All handles have five standard finishes available from stock and the handles are designed to give a stylish appearance and are colour co-ordinated. PAS24:2012 Certified.

For the UK. Insurance companies demand that all doors must be lockable with a key from the inside.

For door configurations I.E.: 4Left which have no traditional swing door you can fit handles both inside & outside with a full cylinder. The minimum requirement is a half cylinder inside on all handles for these arrangements. Keys are available suited from Alunet. For door configurations that do have a swing door I.E.: 3Left customers have the option of only a cylinder on the pass door and rely on the hook locks to stop the other doors from opening. Alternatively half cylinders can be fit on the intermediate handles

WEATHER SEALING

Excellent sealing is achieved using a combination of weather piles and specially designed perimeter seals.

DOOR CONFIGURATIONS & SIZES

The maximum number of panels recommended going one way is shown as 7. This is based on the amount of inertia needed by the end user to move 7 panels. The width and height of the doors are always subject to site conditions allowing for wind loads, locations and use. Structural bonding of the glass to frame may be required. Our technical team is on hand to assist with known facts.

ALUMINIUM EXTRUSION

Aluminium alloy 6063 T5/T6 to BS/EN12020-2:2008. Extruded surface anodising quality.

THERMAL STRIP

Polyamide thermal strips shown in this product are standard items from specialist manufacturers which have been checked as being readily available through either the extruder or thermal breaker.

POWDER COATING

Polyester powder coating to BS/EN 12206-1:2004. 40 microns minimum thickness.

ANODISING

Anodic coatings in natural colours. Anodising to BS3987:1991.AA25

GASKETRY

EPDM rubber to BS7412:2007, BS4255-1:1986. 70 SHORE A.

WEATHERPILES

Nylon or PVC backed fin-pile and wool-pile draught seals to BS7386:1997.

GLAZING

Alunet Doors are designed for 28mm DGU as standard.(single 4-6mm and from 20mm to 44mm double or triple glazing units are possible with bead and gasket changes).

SIZES & WEIGHTS

Maximum panel height = 3000mm. Maximum panel width = 1200mm.

NOTE:- Max panel weight = 120kg.

PANEL WIDTH RESTRICTION

Please note: these doors operate using projecting hinge pivots and rollers. During operation there is diagonal compression which necessitates a MINIMUM panel width of 750mm. This applies ONLY to arrangements which do NOT have a main hinged 'swing' door leaf.

JOINT SEALANTS

- 1) Aluminium corner cleat bonding adhesive - 2 part PUR reaction cure adhesive.
- 2) Mitred corner/corner sealant. Low modulus neutral cure silicone. Air cure (non-acetyl cure) product. Various colours are available.
- 3) Gasketry joint bond one part adhesive.

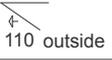
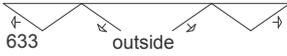
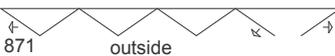
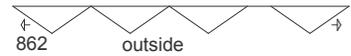
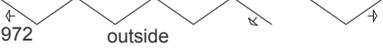
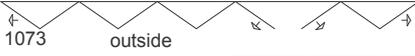
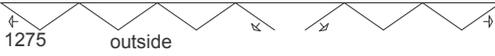
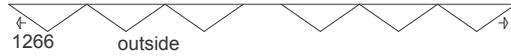
TESTING

Tested to BS6375 part 1: 2004, achieving severe weather rating. PAS24 Certified.

Configuration codes are a simple way to specify the layout of the required door arrangement.

Note - 'Handing' is as viewed from the outside of the property.

1. First digit specifies the overall number of panels i.e. 2xx, 3xx, 4xx, ..., 13xx, 14xx.
2. Penultimate digit specifies the number of left hand panels i.e. x0x, x1x, ..., xx6x, xx7x.
3. The last digit specifies the number of right hand panels i.e. xx0, xx1, ..., xxx6, xxx7.
4. Finally the direction the doors are to open - INWARD or OUTWARD i.e. 330 outside, 541 inside. Examples of opening outward installation layouts are shown below and for open in see the following page.

	TOTAL No OF PANELS
    	1 + 2 + 3
  	4
  	5
   	6
   	7
   	8
  	9
  	10
 	11
 	12
	13
	14

* PLEASE NOTE THAT BECAUSE OF INERTIA WE DO NOT RECOMEND STACKING PANELS OF MORE THAN 7 IN EITHER DIRECTION

Configuration codes are a simple way to specify the layout of the required door arrangement.

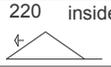
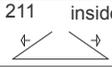
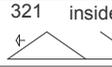
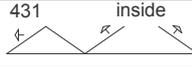
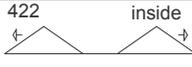
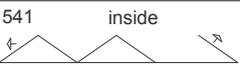
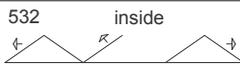
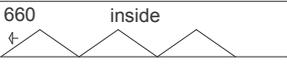
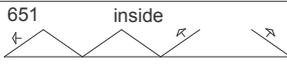
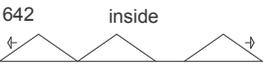
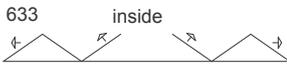
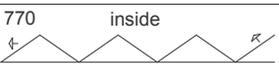
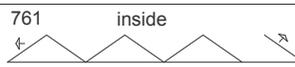
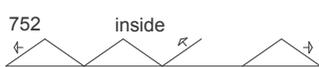
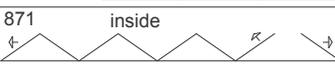
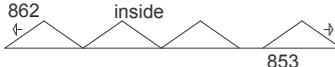
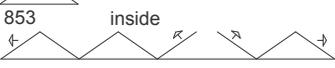
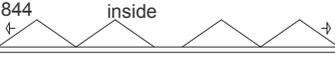
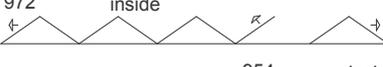
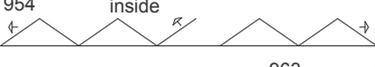
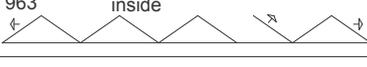
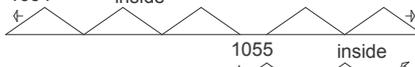
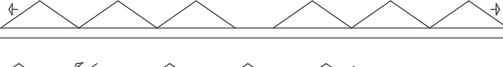
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4. Finally the direction the doors are to open - INWARD or OUTWARD i.e. 330 outside, 541 inside. Examples of opening inward installation layouts are shown below and for open in see the previous page.

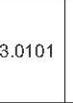
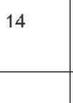
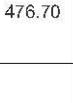
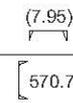
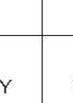
	TOTAL No OF PANELS
110 inside  220 inside  211 inside  330 inside  321 inside 	1 + 2 + 3
440 inside  431 inside  422 inside 	4
550 inside  541 inside  532 inside 	5
660 inside  651 inside  642 inside  633 inside 	6
770 inside  761 inside  752 inside  743 inside 	7
871 inside  862 inside  853 inside  844 inside 	8
972 inside  954 inside  963 inside 	9
1073 inside  1064 inside  1055 inside 	10
1174 inside  1165 inside 	11
1275 inside  1266 inside 	12
1376 inside 	13
1477 inside 	14

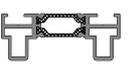
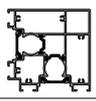
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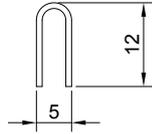


PROFILE LIST INDEX

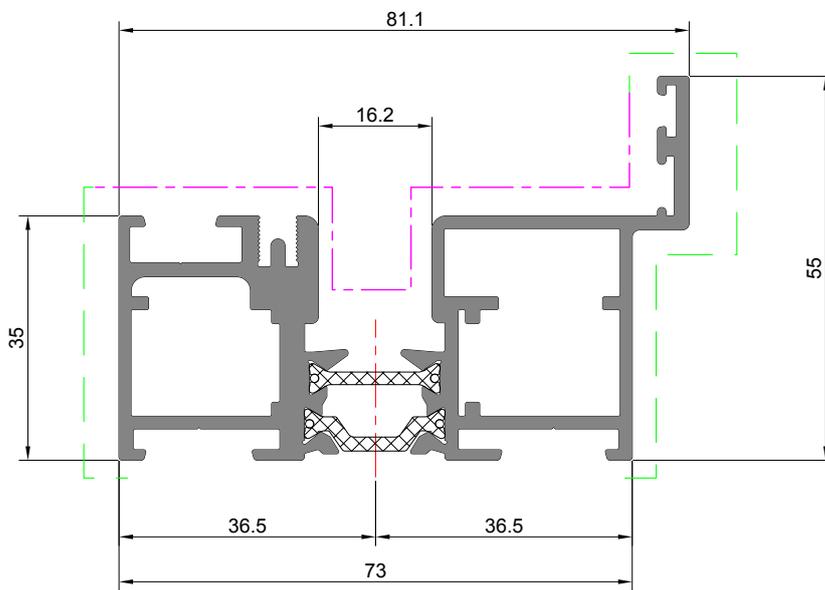
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2	Profiles to Scale	12-19

REF	SKETCH	PAGE	TOTAL EXT'L PERIM mm	I _x (I _{yy}) cm ⁴	BAR LENGTH m	STOCK FINISHES AVAILABLE				
						Raw	White Gloss	Black Matt	Grey 7016 M	Silver Anod.
DBPR-001		12	N/A	$\left[\begin{array}{c} n/a \\ (n/a) \end{array} \right]$	6.4	Stainless Steel				
BF73.0101		12	483.30	$\left[\begin{array}{c} 45.62 \\ (13.89) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0102		12	513.40	$\left[\begin{array}{c} 41.45 \\ (12.64) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0103		13	361.90	$\left[\begin{array}{c} 32.48 \\ (2.65) \end{array} \right]$	6.5	Y	Y	Y	Y	Y
BF73.0104		13	362.80	$\left[\begin{array}{c} 36.34 \\ (3.70) \end{array} \right]$	6.5					
BF73.0402		14	342.70	$\left[\begin{array}{c} 44.25 \\ (3.17) \end{array} \right]$	6.5					
BF73.0405		14	476.70	$\left[\begin{array}{c} 193.60 \\ (6.84) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0403		14	537.60	$\left[\begin{array}{c} 291.10 \\ (7.95) \end{array} \right]$	6.5					
BF73.0404		14	637.00	$\left[\begin{array}{c} 570.76 \\ (9.72) \end{array} \right]$	6.5					
BF73.0201		15	425.10	$\left[\begin{array}{c} 38.82 \\ (15.58) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0301		15	375.40	$\left[\begin{array}{c} 34.69 \\ (10.70) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0601		16	145.60	$\left[\begin{array}{c} 0.42 \\ (0.44) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0602		16	137.40	$\left[\begin{array}{c} 0.27 \\ (0.41) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0603		16	134.40	$\left[\begin{array}{c} 0.23 \\ (0.41) \end{array} \right]$	6.5	Y	Y	Y	Y	

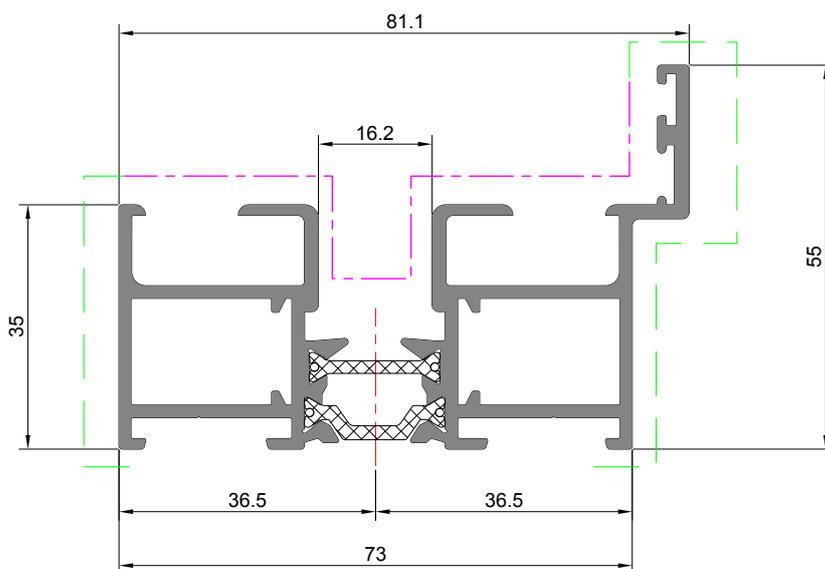
REF	SKETCH	PAGE	TOTAL EXT'L PERIM mm	lxx (lyy) cm4	BAR LENGTH m	STOCK FINISHES AVAILABLE				
						Raw	White Gloss	Black Matt	Grey 7016 M	Silver Anod.
BF73.0604		16	94.72	$\left[\begin{array}{l} 0.23 \\ (0.38) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0501		17	314.20	$\left[\begin{array}{l} 27.61 \\ (3.53) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0503		17	318.20	$\left[\begin{array}{l} 32.48 \\ (8.79) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0504		17	242.10	$\left[\begin{array}{l} 19.68 \\ (1.73) \end{array} \right]$	6.5					
BF73.0801		17	121.50	$\left[\begin{array}{l} 0.75 \\ (0.11) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0802		17	138.80	$\left[\begin{array}{l} 0.94 \\ (0.14) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0808		17	153.80	$\left[\begin{array}{l} 0.88 \\ (0.13) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0807		18	166.17	$\left[\begin{array}{l} n/a \\ (n/a) \end{array} \right]$	6.5					Y
BF73.0806		18	90.34	$\left[\begin{array}{l} 0.19 \\ (0.32) \end{array} \right]$	6.5	Y	Y	Y	Y	Y
BF73.0803		18	116.30	$\left[\begin{array}{l} 0.14 \\ (0.62) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0804		18	140.91	$\left[\begin{array}{l} 0.50 \\ (0.75) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0805		18	113.50	$\left[\begin{array}{l} 0.43 \\ (0.47) \end{array} \right]$	6.5	Y	Y	Y	Y	
DBE-160		19	689.20	$\left[\begin{array}{l} 82.52 \\ (82.52) \end{array} \right]$	6.5	Y	Y	Y	Y	
BF73.0502		17	348.70	$\left[\begin{array}{l} 26.6 \\ (2.34) \end{array} \right]$	6.5	Y	Y	Y	Y	



DBPR-001
St/St Running
Track

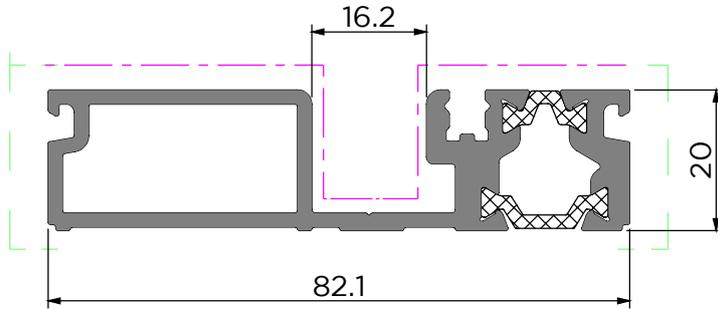


BF73.0101
Standard Cill
Outer Frame

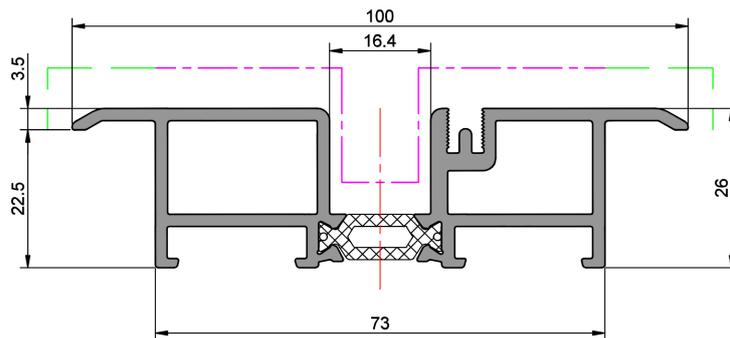


BF73.0102
Head/Jamb
Outer Frame

--- Denotes Primary Visible Surface
- - - Denotes Secondary Visible Surface

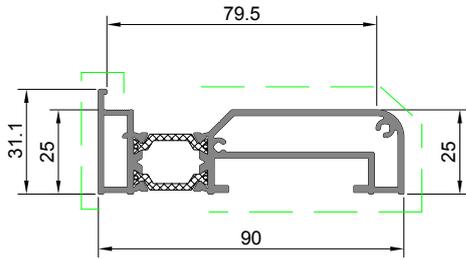


BF73.0103
Low Threshold Cill

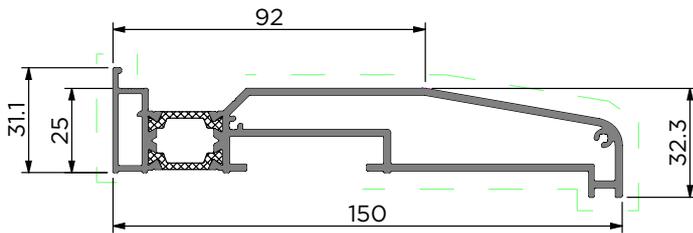


BF73.0104
Low Threshold Cill

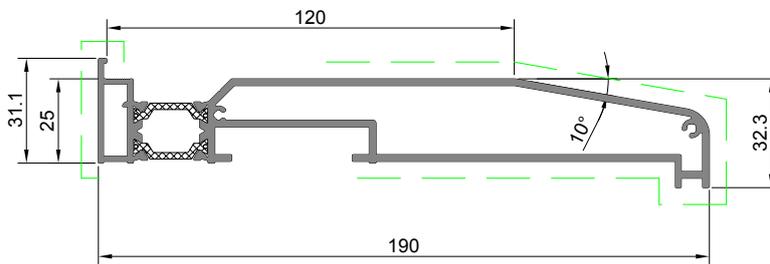
--- Denotes Primary Visible Surface
- - - Denotes Secondary Visible Surface



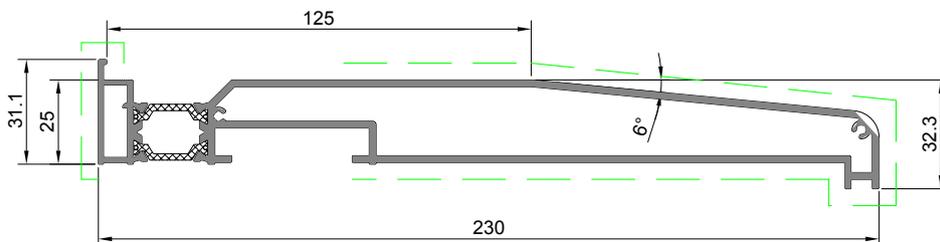
BF73.0402
90 mm Drainage
Sub Cill



BF73.0405
150 mm Drainage
Sub Cill

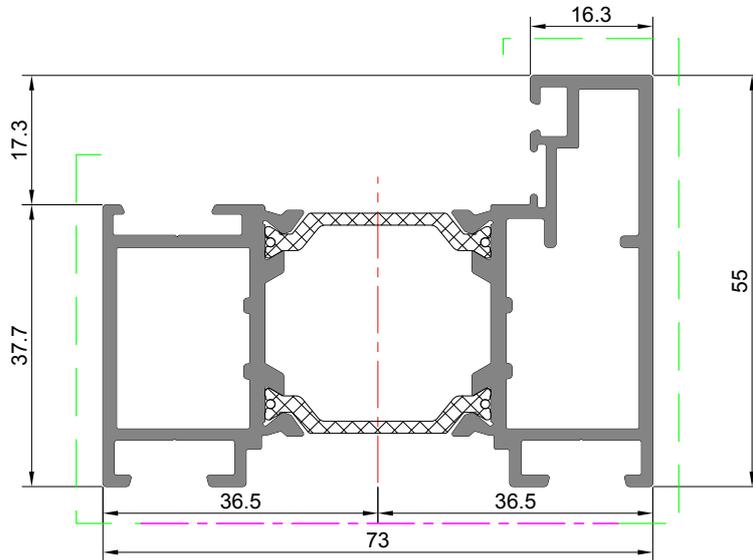


BF73.0403
190 mm Drainage
Sub Cill

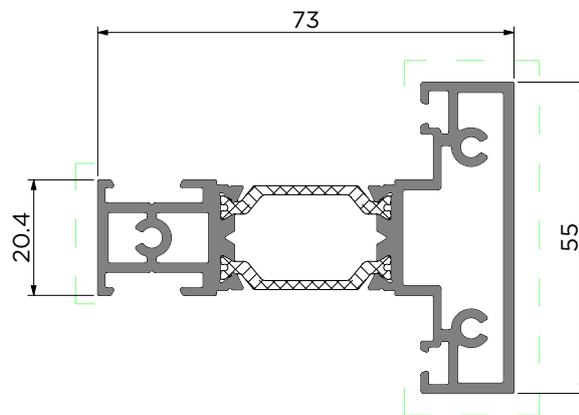


BF73.0404
230 mm Drainage
Sub Cill

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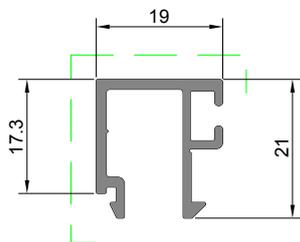


BF73.0201
Slim Sash

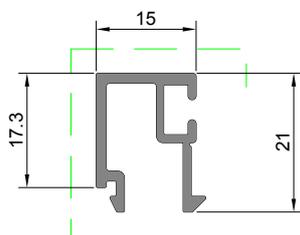


BF73.0301
Transom

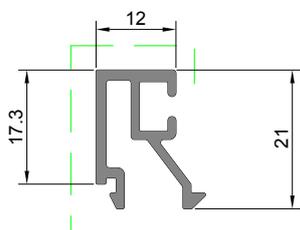
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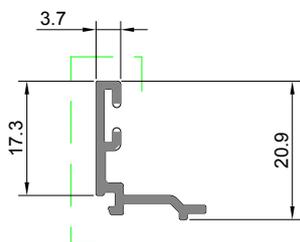
BF73.0601
Glazing Bead
For 28mm DGU



BF73.0602
Glazing Bead
For 32mm DGU

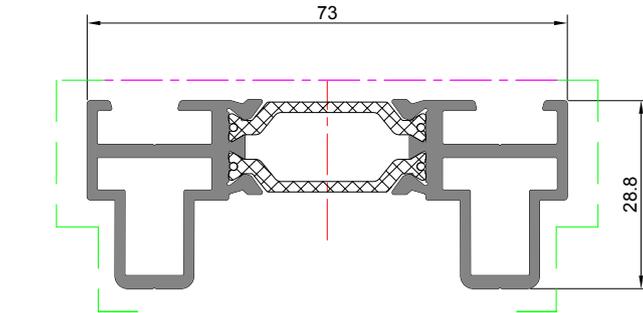


BF73.0603
Glazing Bead
For 35mm DGU

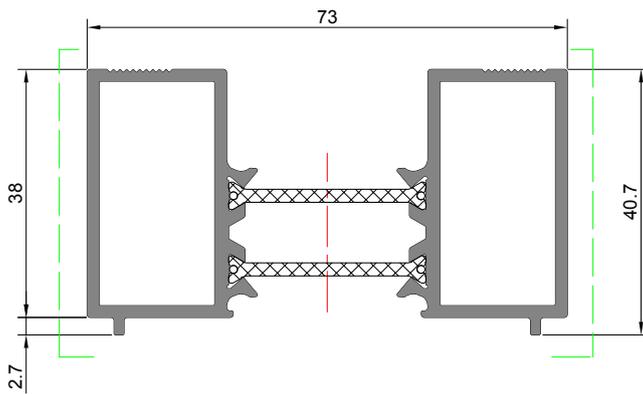


BF73.0604
Glazing Bead
For 44mm TGU

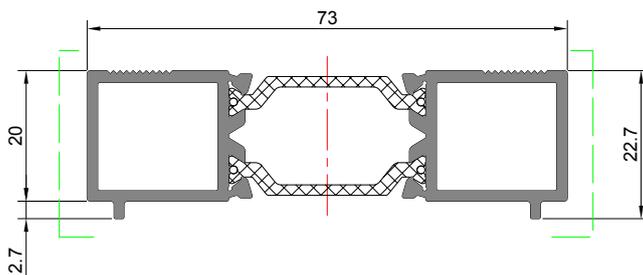
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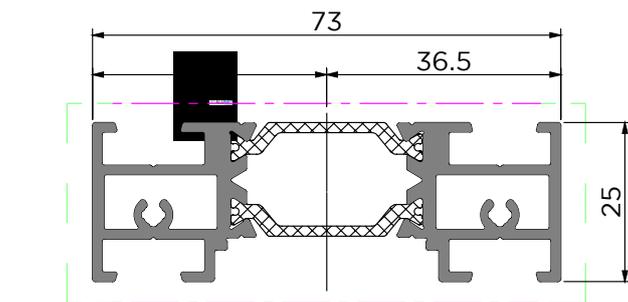
BF73.0501
Adjustable Jamb



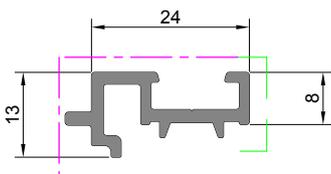
BF73.0503
38mm Add On



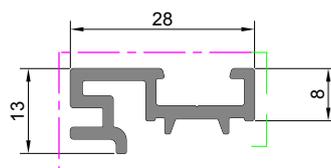
BF73.0504
20mm Add On



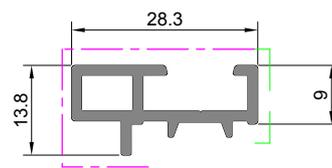
BF73.0502



BF73.0801
Door Lock
Adapter

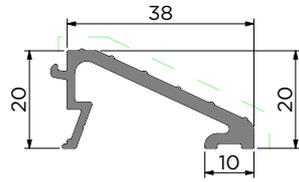


BF73.0802
Lock Keep
Adapter

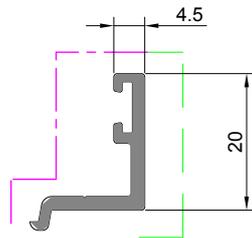


BF73.0808
Half Roller
Adapter

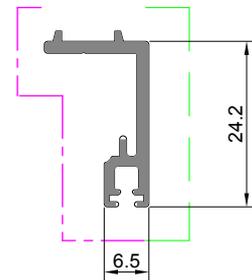
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- - - - - Denotes Secondary Visible Surface



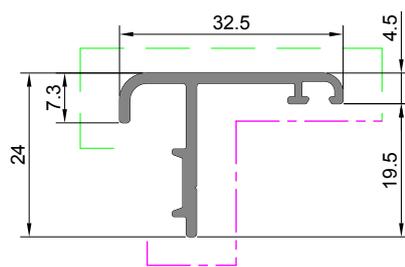
BF73.0807
Low Threshold Cill
Ramp Add-On



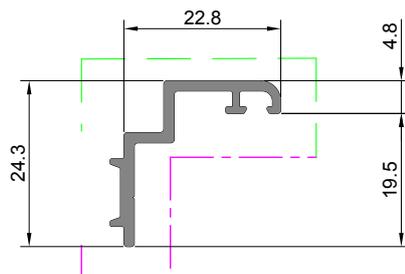
BF73.0806
Low Threshold Cill
Rebate Add-On



BF73.0803
Sash Extension

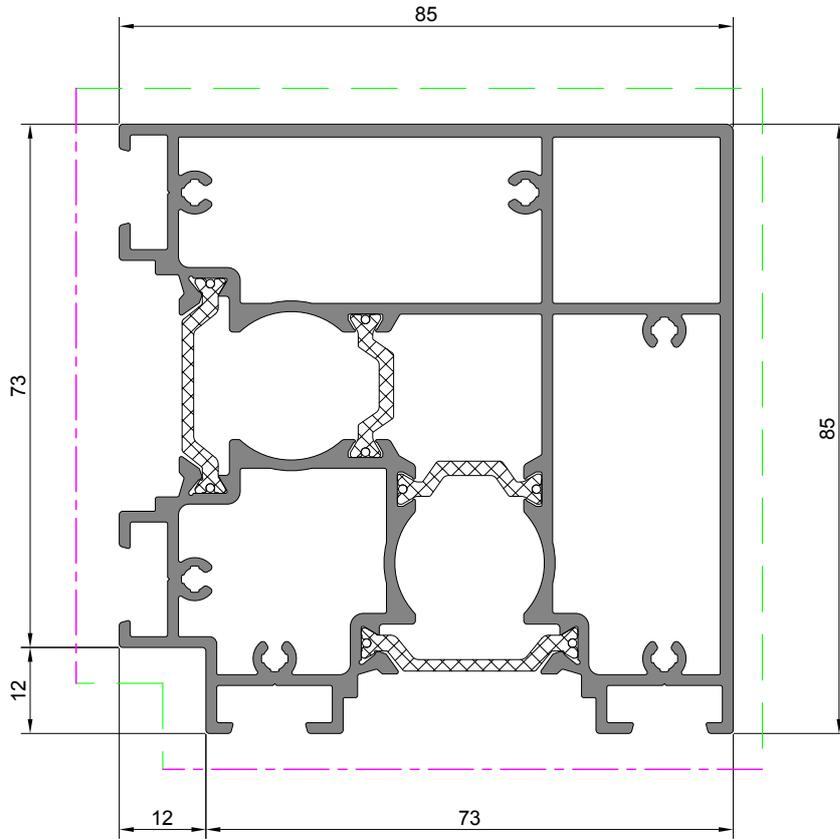


BF73.0804
Swing Door Rebate



BF73.0805
Swing Door Rebate
For Adjustable Jamb

— Denotes Primary Visible Surface
- - - Denotes Secondary Visible Surface



DBE-160
Movable Corner
Post

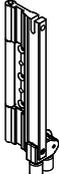
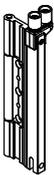
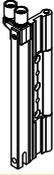
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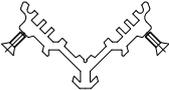
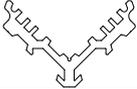
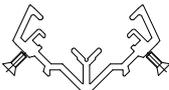
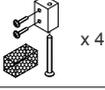
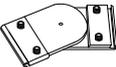
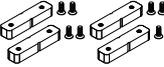
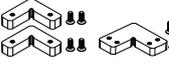


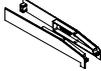
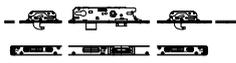
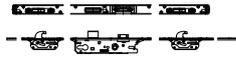
ACCESSORIES LIST INDEX

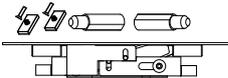
1	Gaskets and Brush Seals	22
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8	Shoot Bolt Handles	27
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10	Sundry Items	27

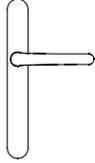
REF	DESCRIPTION	SKETCH	QTY	UNIT	COLOUR
GASKETS & BRUSH SEALS					
DBA1-131R	Top horizontal seal		100 5x100	Metre	Black
DBA1-132	Vertical sash seal 5.5mm		125 15x125	Metre	Black
DBA1-133	Vertical sash seal 8mm		100	Metre	Black
DBA1-134	Cover gasket		200 5x200	Metre	Black
DBA1-135N	Captive glazing seal		125 10x125	Metre	Black
DBA1-136	Wedge glazing seal		125 15x125	Metre	Black
DBA1-137	Rebate seal		250 5x250	Metre	Black
DBA1-139	Wedge glazing seal		150 15x150	Metre	Black
DBA1-140	Outer frame weatherpile		200 5x200	Metre	Grey
DBA1-141	Low level Cill fin weatherpile		100 5x100	Metre	Grey
DBA1-142	Fixing gasket		100	Metre	Black
DBA1-143	Bottom horizontal seal		200	Metre	Black
DBA1-144	Outer frame seal		200	Metre	Black
DBA1-145	Vertical sash seal 13 mm		100	Metre	Black
DBA1-146	Vertical sash seal 7.5 mm		100	Metre	Black
DBA1-150	Top hinge corner gasket pair		10 100	Pair	Black
DBA1-151	Bottom hinge corner gasket pair		10 100	Pair	Black
DBA1-152	Top guide corner gasket pair		10 100	Pair	Black
DBA1-153	Bottom roller gasket pair		10 100	Pair	Black

REF	DESCRIPTION	SKETCH	QTY	UNIT	COLOUR
HINGE, ROLLER & GUIDES					
DBA1-350N	Standard hinge with fixings		10 100 1000	Piece	White Black Grey 7016
DBA1-351N	Standard bottom roller with fixings		1 10 100	Piece	White Black Grey 7016
DBA1-352N	Standard top guide with fixings		1 10 100	Piece	White Black Grey 7016
DBA1-355N	Pull handle hinge with fixings (open out)		1 10 100	Piece	White Black Grey 7016
DBA1-356N	Pull handle hinge with fixings (open in)		1 10 50	Piece	White Black Grey 7016
DBA1-357R	Bottom half roller with fixings (Right Hand)		1 10 50	Piece	White Black Grey 7016
DBA1-358R	Top half guide with fixings (Right Hand)		1 10 50	Piece	White Black Grey 7016
DBA1-357L	Bottom half roller with fixings (Left Hand)		1 10 50	Piece	White Black Grey 7016
DBA1-358L	Top half guide with fixings (Left Hand)		1 10 50	Piece	White Black Grey 7016

REF	DESCRIPTION	SKETCH	QTY	UNIT	COLOUR
VARIOUS PARTS					
BF73.0902K	Outer frame cleat & screws		24 200 500	Item	N/A
DBA1-100C	Outer frame cleat crimping only		24 200 500	Item	N/A
BF73.0903K	Sash cleat & screws for BF73.0201		24 200 500	Item	N/A
DBA1-104C	Sash cleat crimping only for BF73.0201		24 200 500	Item	N/A
DBA1-102	Chevron stainless steel		100 500 1000	Item	N/A
DBA1-105/KIT	Low threshold kit	 x 4	1 10 100	Kit	N/A
DBA1-106	Plastic inserts for BF73.0803		10 500 1000	Pair	Black
DBA1-107	Adjustable jamb fixing kit		24 500 1000	Item	N/A
DBA1-108	Corner Connector For Sub Cill BF73.0403, BF73.0404, BF73.0405		1	Item	N/A
DBA1-113	Corner Connector Kit for BF73.0101, BF73.0102		1	Kit	N/A
BF73.0920K	Inline Connector Kit for BF73.0101, BF73.0102		1	Kit	N/A
DBA1-115	Corner Connector Kit for BF73.0103, BF73.0102		1	Kit	N/A
BF73.0921K	Inline Connector Kit for BF73.0103, BF73.0102		1	Kit	N/A

REF	DESCRIPTION	SKETCH	QTY	UNIT	COLOUR
VARIOUS PARTS					
DBA1-118	Inline Connector Kit for DBE-005 (DBE-006) & DBE-002	IN DEVELOPMENT			
DBA1-119	Half Roller Add-on Kit		1	Kit	White Black Grey 7016
DBA1-201N	Rebate end caps		10 100	Pair	Black
BF73.5405	150mm Cill end caps		10 100	Pair	White Black
DBA1-204	Run up block		10 100	Item	Black
DBA1-205	Anti lift block		10 100	Item	Black
DBA1-207	Corner post for cover		1	Item	N/A
BF73.5402	90 mm Cill end caps		10 100	Pair	White Black
BF73.5403	190 mm Cill end caps		10 100	Pair	White Black
BF73.5404	230 mm Cill end caps		10 100	Pair	White Black
MULTI POINT LOCK					
DBLK-50/LH /KIT	Multi point lock kit LH with fixings		1 5	Kit	N/A
DBLK-50/RH /KIT	Multi point lock kit RH with fixings		1 5	Kit	N/A
432010	Alulock Multi Point Lock		1	Kit	N/A
DBKL-51/KIT	Multi point lock extension for doors over 2500mm		1 10	Item	N/A
DBLK-52/KIT	Top shoot bolt		1 10	Item	N/A
DBLK-53/RH	RH shoot bolt plate with fixings		1 10	Item	N/A
DBLK-53/LH	LH shoot bolt plate with fixings		1 10	Item	N/A
DBLK-54	Multi point lock extension for doors up to 2500mm		1 10	Item	N/A

REF	DESCRIPTION	SKETCH	QTY	UNIT	CC	DUK
EURO PROFILE CYLINDERS						
40/10 Cylinder	Half cylinder 40/10		1	Item		N/A
40/40 Cylinder	Full cylinder 40/40		1	Item		N/A
50/50 Cylinder	Full cylinder 50/50		1	Item		N/A
Ultion 3* Cylinder	Full cylinder 50/50 High Performance PAS 24		1	Item		N/A
DBCY-50/50T	Thumb cylinder 50/50 High Performance		1	Item		N/A
SHOOT BOLT LOCKING						
DBLK-06	Robus heavy duty intermediate lock M10 thread PAS24		1 10 100	Item		N/A
DB-45	3000mm x 10mm allthread rod PAS 24		1 100	Item		N/A
DBLK-26	Robus lock cover for DBLK-05/06		1 10 100	Item		Black
DBS-04	Lock cover screw M5 X 10 for DBLK-26		1 100	Item		N/A
DBA1-200 /10mm	Shoot bolt cone & guide kit PAS24		10 100	Set		Black
CORNER POST LOCK						
DBLK-40	Flush bolt lock kit		1	Kit		N/A

REF	DESCRIPTION	SKETCH	QTY	UNIT	COLOUR
SWEET HANDLES					
SWEET HANDLE	Lever Lever Handle		1	Pair	White Black Grey 7016 Chrome Brushed Satin
VIVOSHORT SHOOT BOLT HANDLES					
DBHL-05	VIVOSHORT handle with escutcheon		1 10 100	Item	White Black Grey 7016 Chrome Brushed Satin Unfinished
DBHL-06	VIVOSHORT handle		1 10 100	Item	White Black Grey 7016 Chrome Brushed Satin Unfinished
PROTEC MAGNETIC DOOR HOLDERS					
DBPC-01	PROTEC Magnetic panel catch 26mm		1 10 100	Pair	White Black Grey 7016 Chrome Brushed Satin Unfinished
DBPC-02	PROTEC Magnetic panel catch 60mm		1 10 100	Pair	White Black Grey 7016 Chrome Brushed Satin Unfinished
DRAIN COVER					
DBA1-DC	Drain Hole Cover Cap		100	Item	White Black Brown
SCREWS					
DBS-47	DIN 7981 - 3.9 x16 mm A2 Pan Head Self Tapping Screw		1	Item	Natural
DBS-48	DIN 7982 - 3.9 x16 mm A2 Countersunk Self Tapping Screw		1	Item	Natural
DBS-55	DIN 7981 Z - 3.9 x 25 mm A2 Pan Head Self Tapping Screw		N/A	Item	N/A
DBS-56	DIN 7982 Z - 4.2 x 70 mm A2 CSK Self Tapping Screw		N/A	Item	N/A

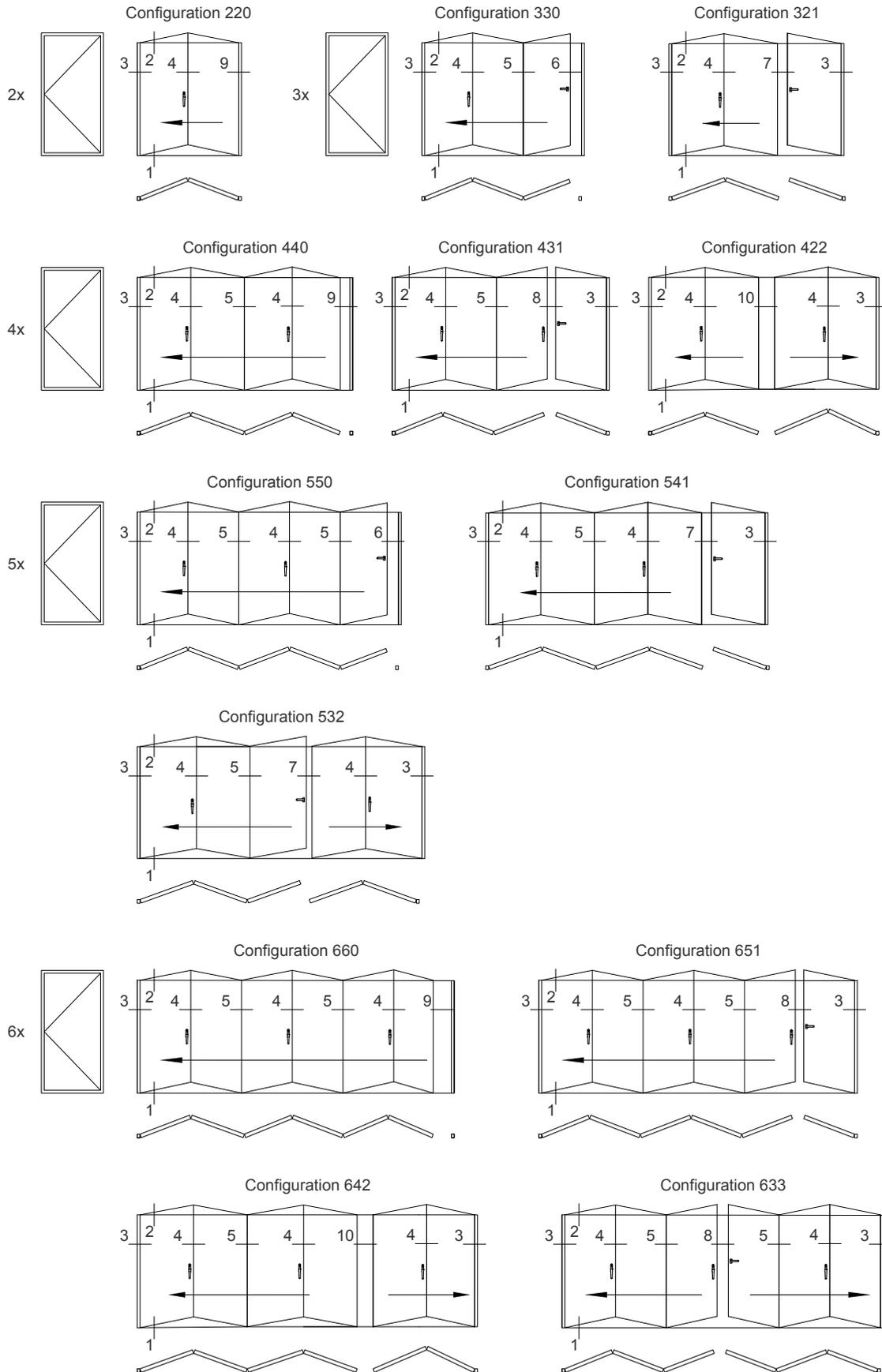


CONSTRUCTIVE SECTIONS INDEX

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2	Sections Details	35

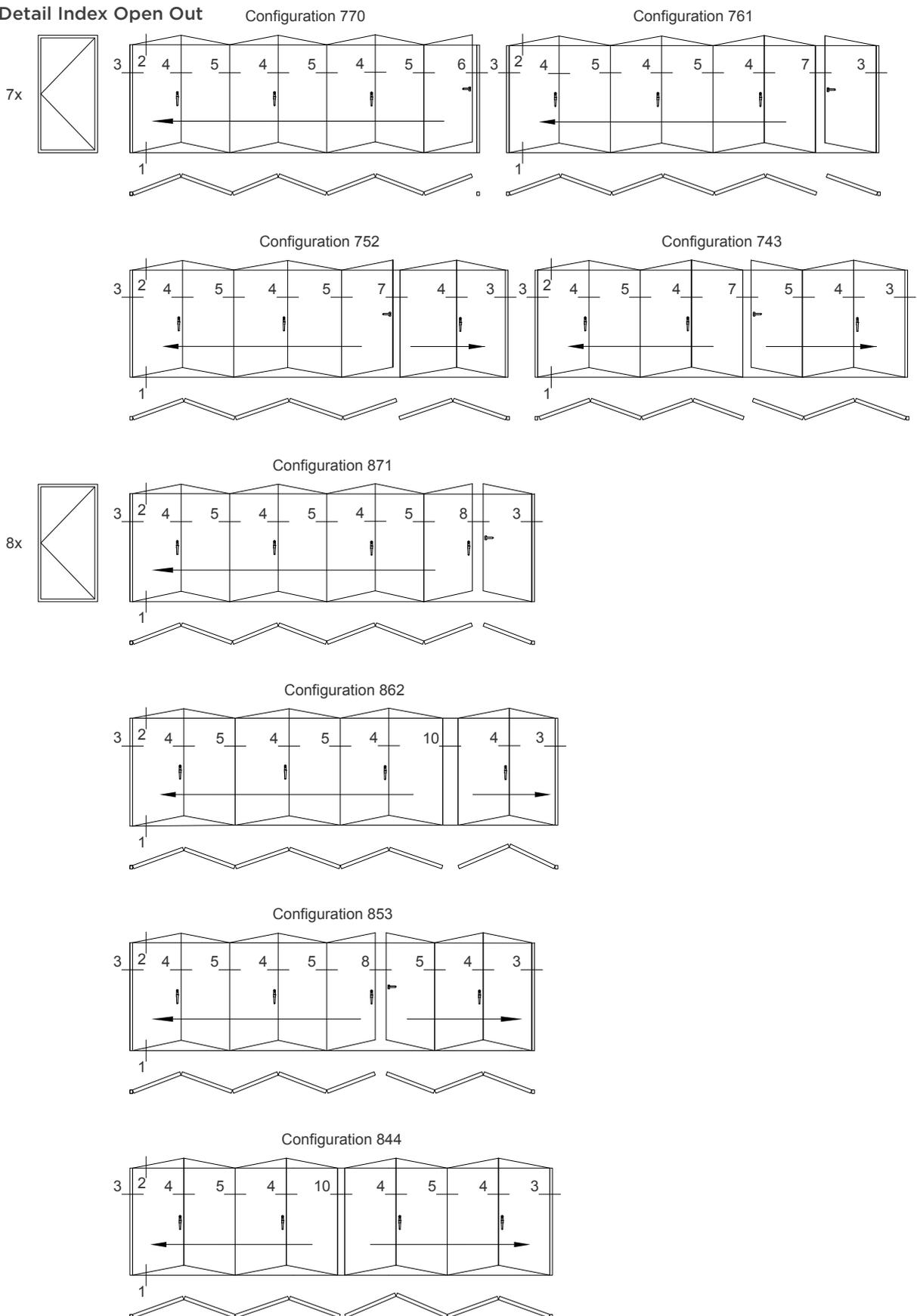
BF73 SYSTEM

Section Detail Index Open Out



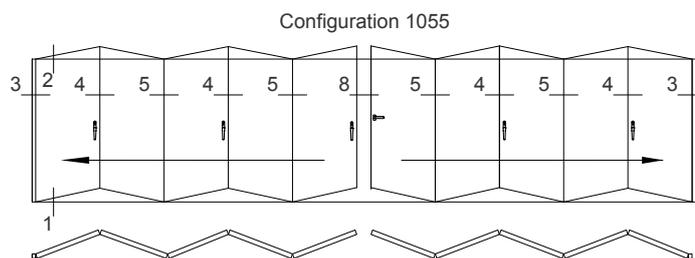
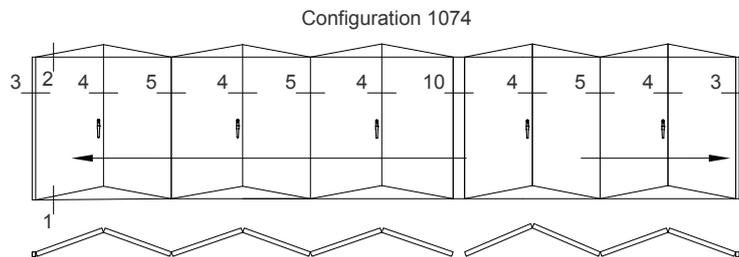
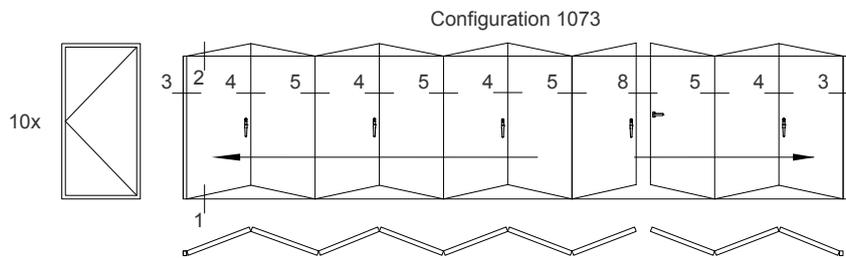
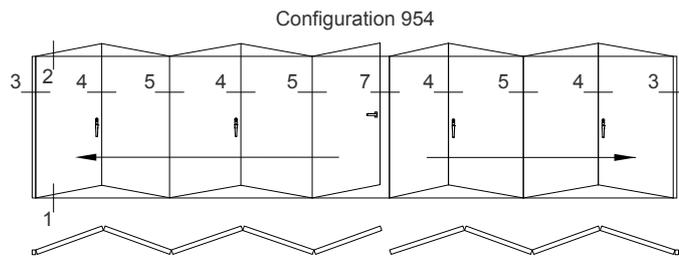
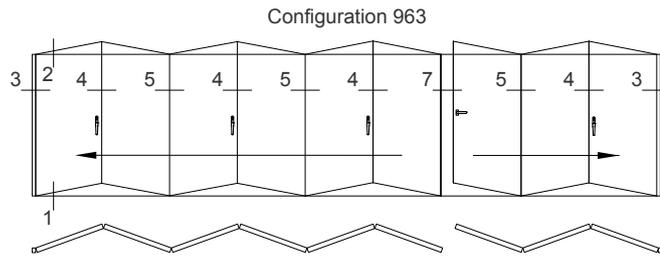
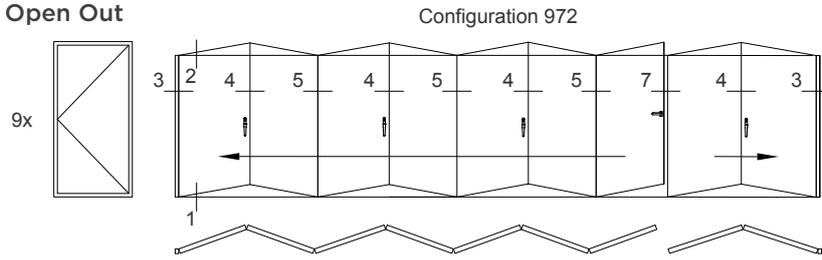
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Section Detail Index Open Out



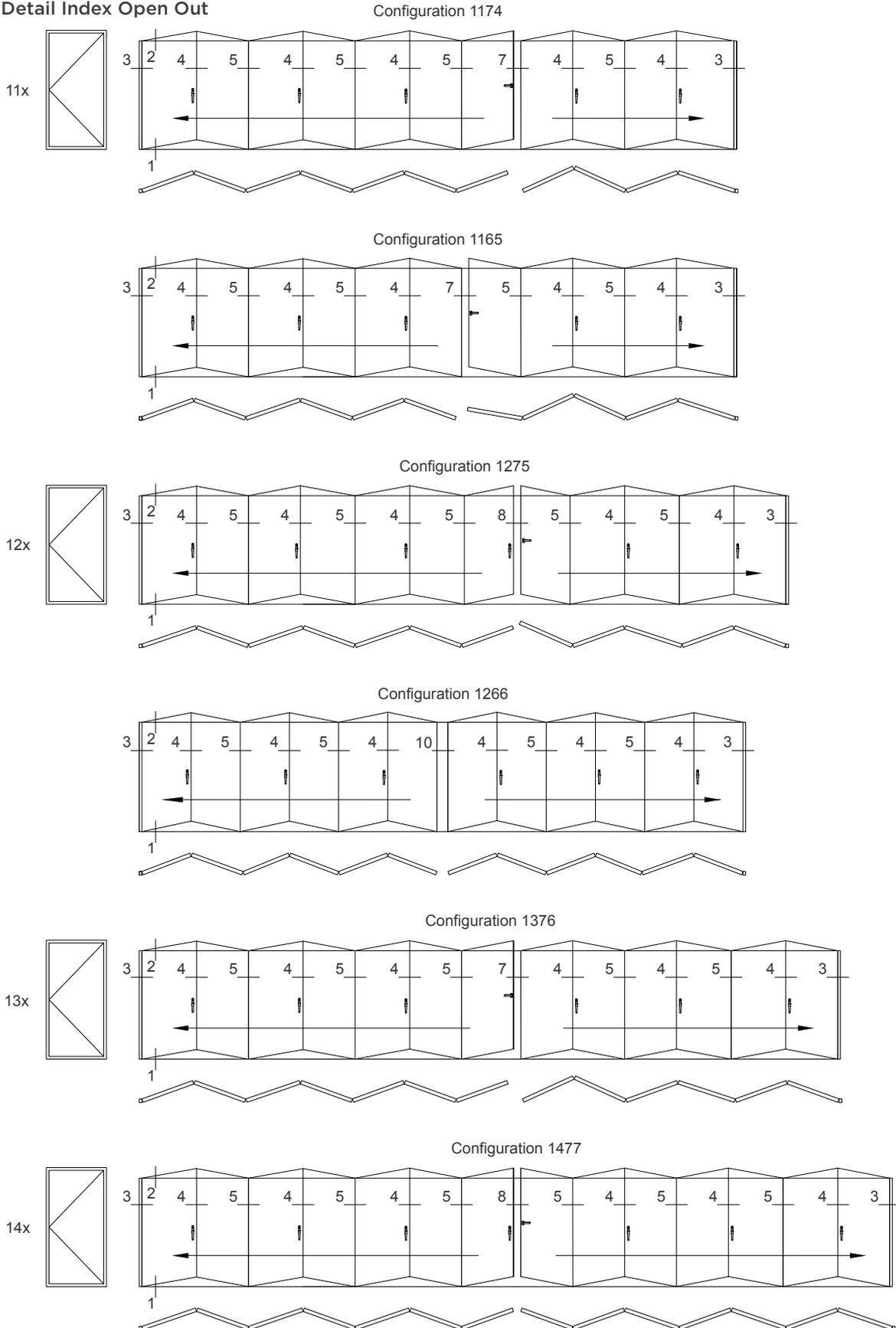
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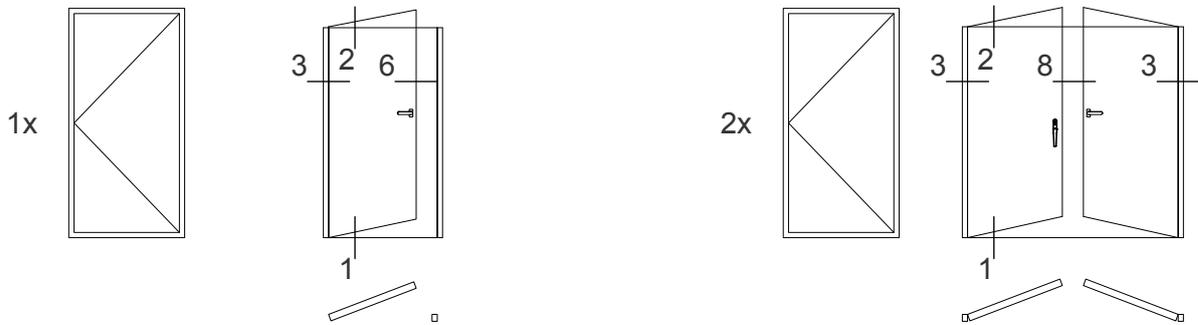
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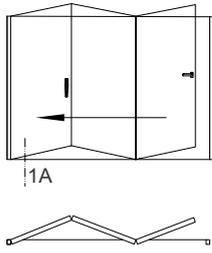
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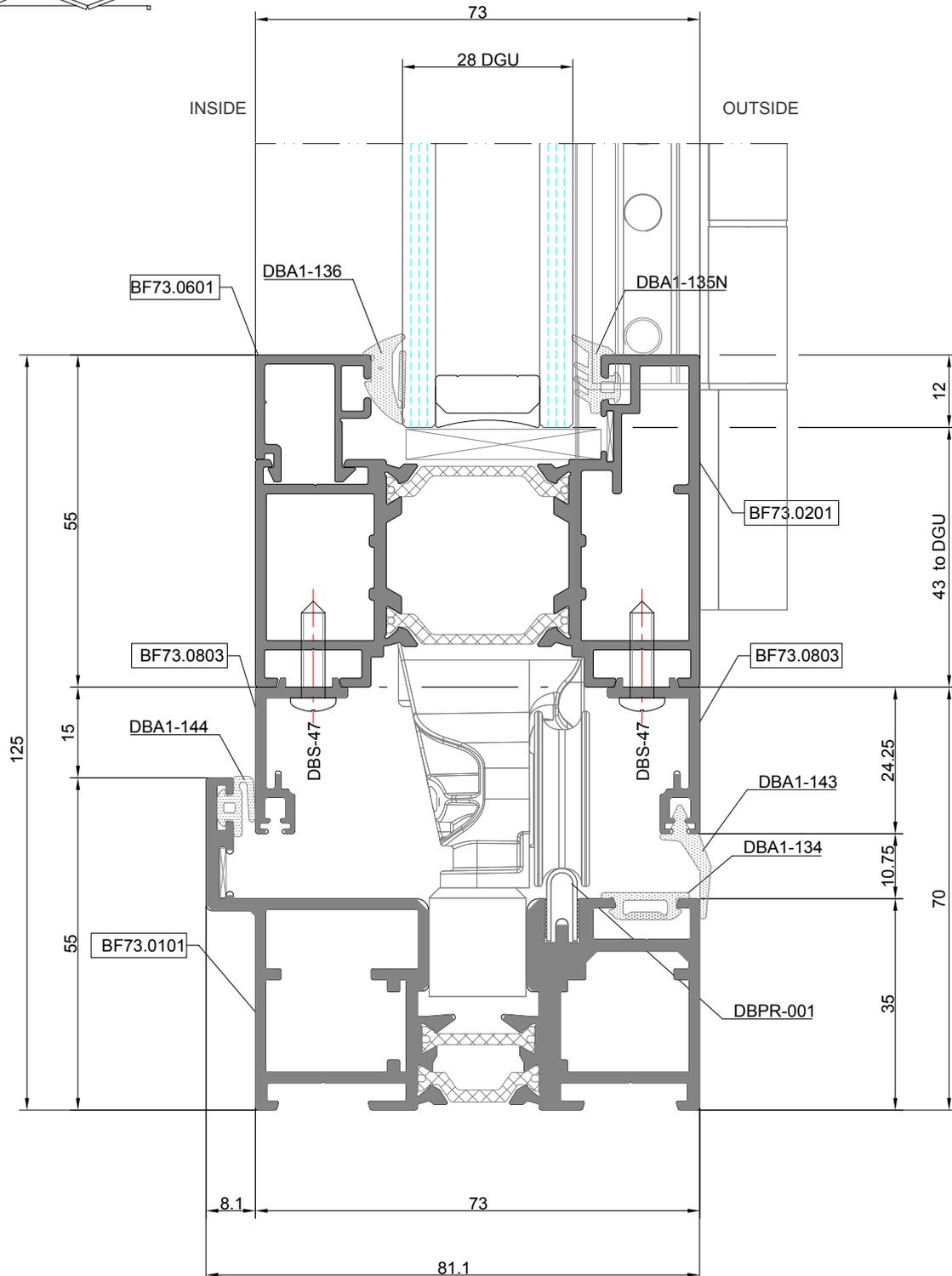
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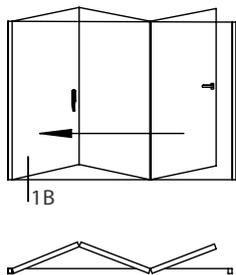




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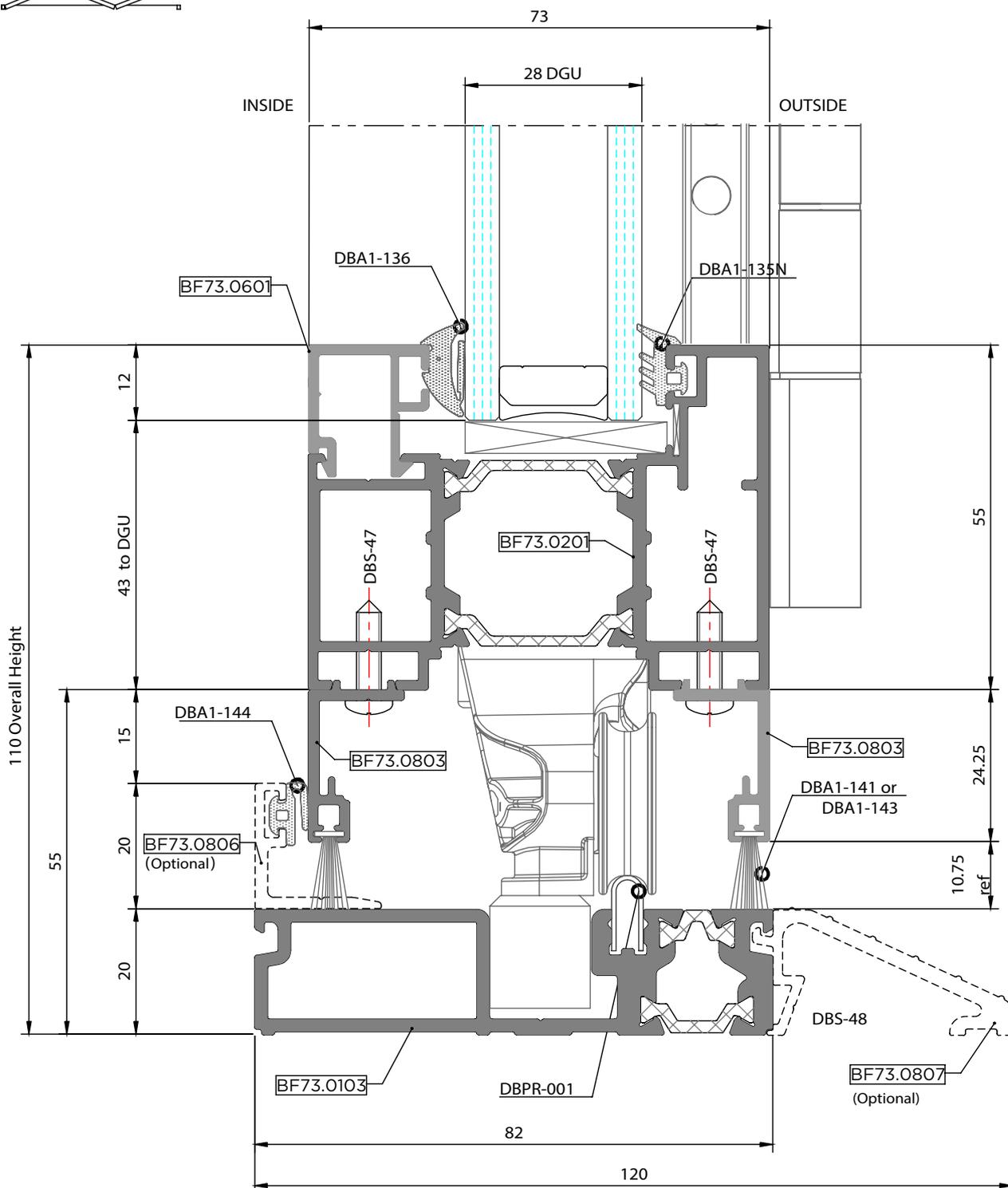
Standard Cill showing roller (BF73.0201 Slim Sash)- Open out





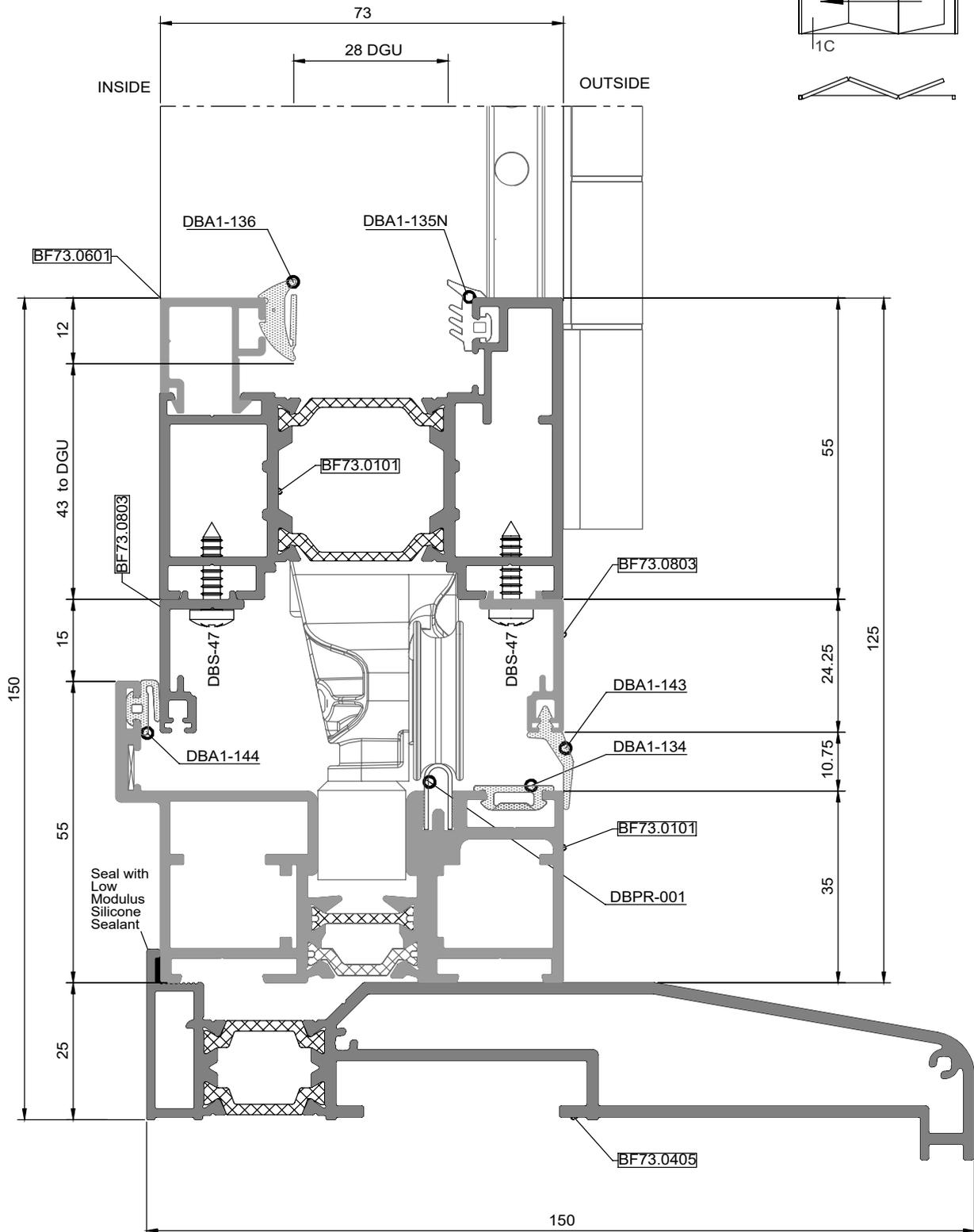
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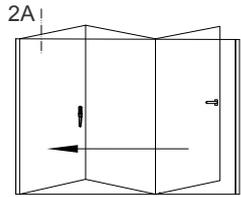
Low threshold showing roller (BF73.0201 Slim Sash)
- Open out



BF73 SYSTEM

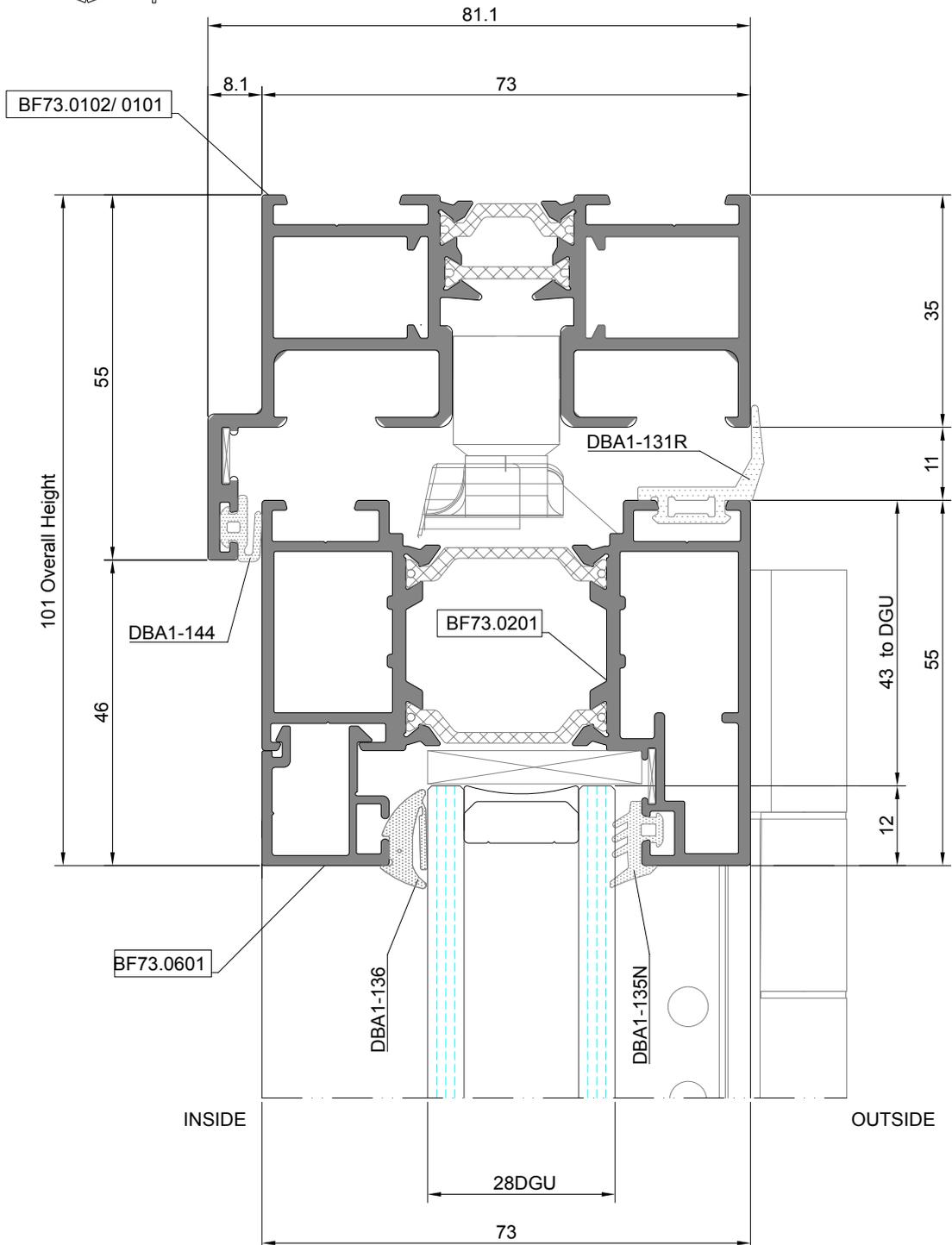
150mm sub Cill (BF73.0201 Slim Sash) - Open out

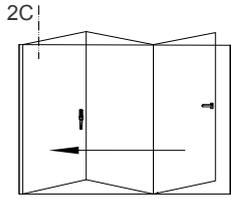




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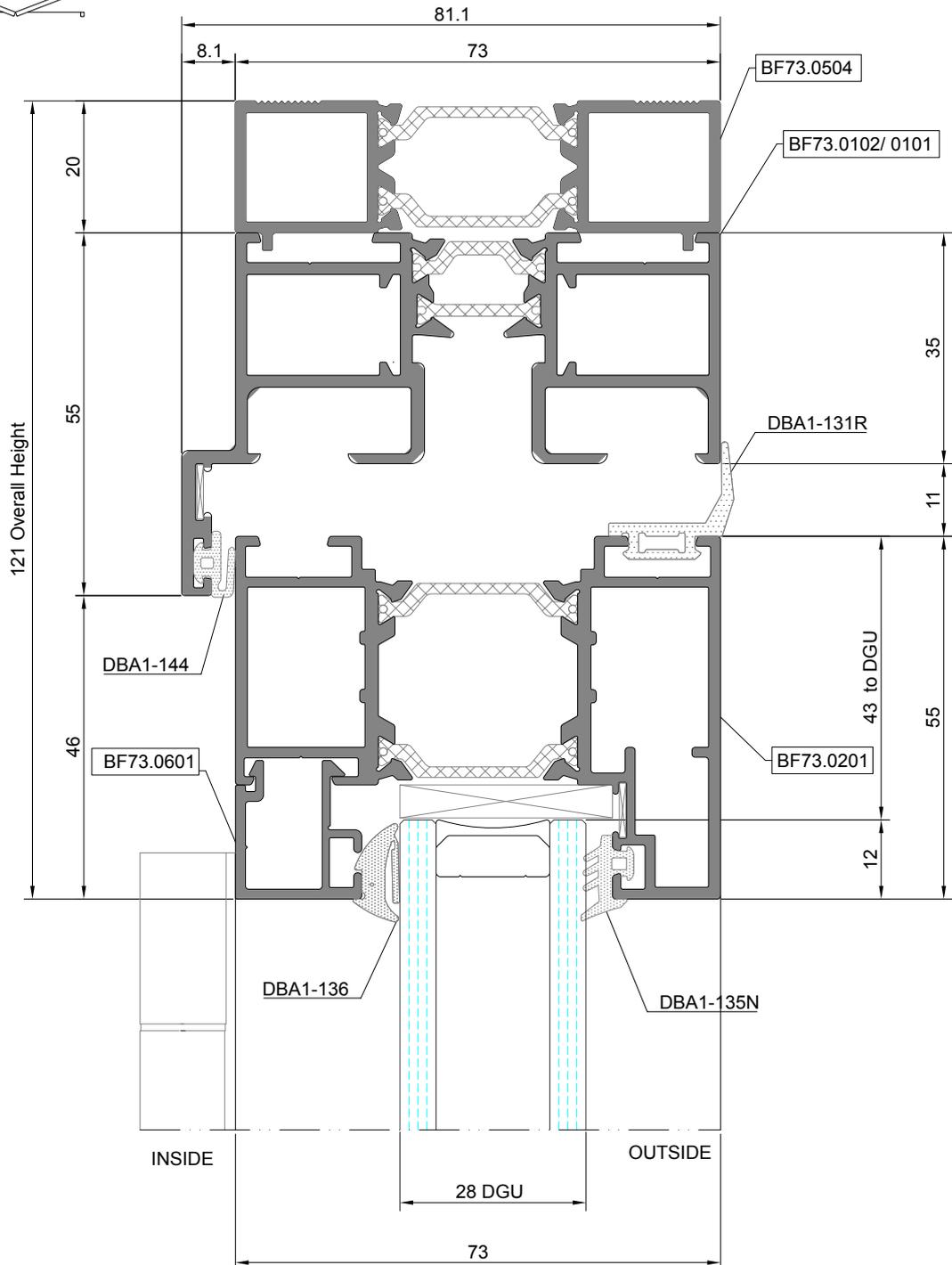
Head showing top guide (BF73.0201 Slim Sash) - Open out

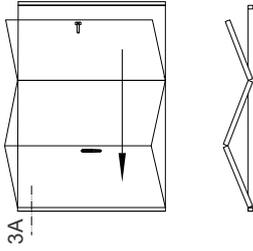




BF73 SYSTEM

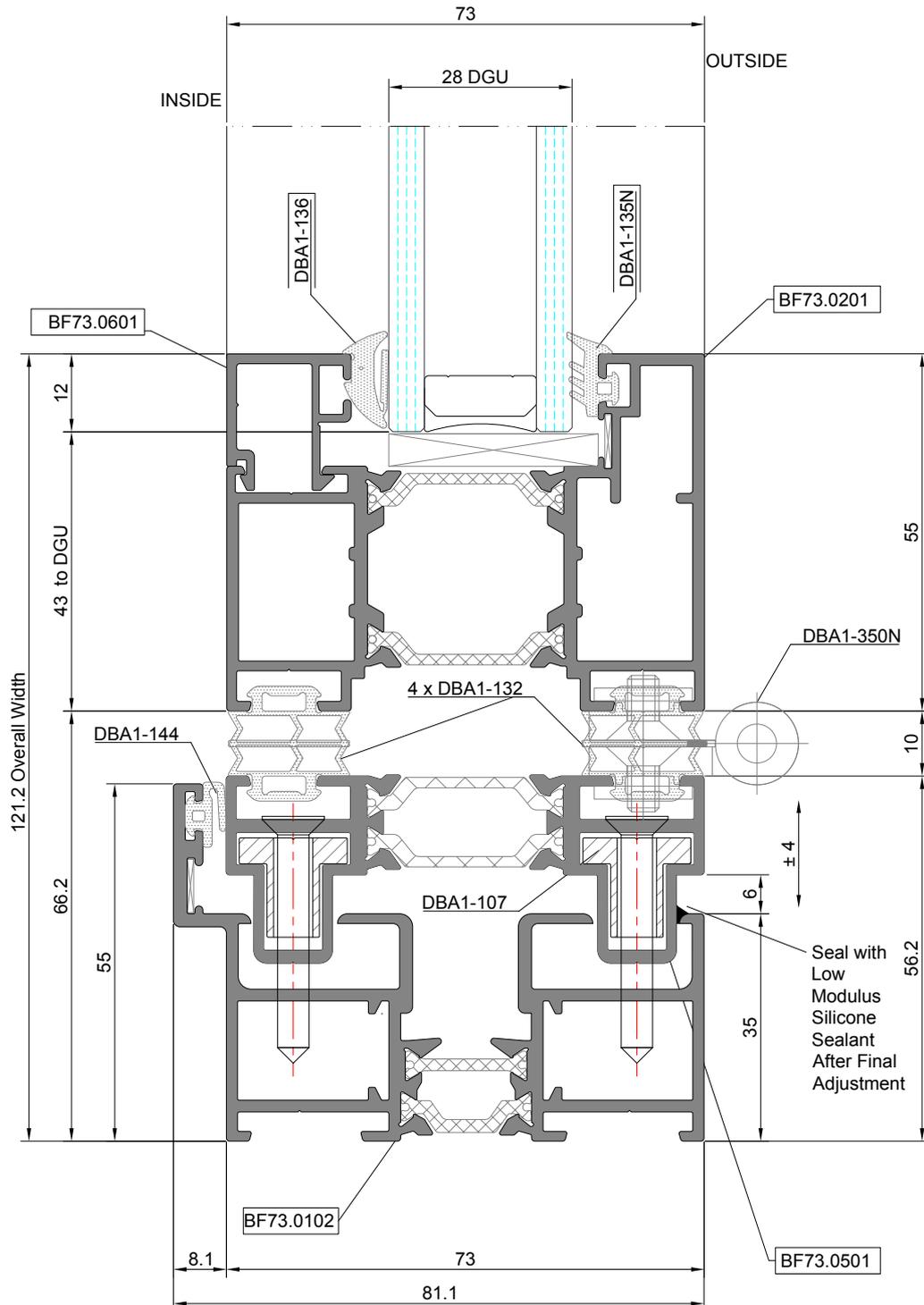
Head showing 20mm add on (BF73.0201 Slim Sash)
- Open out

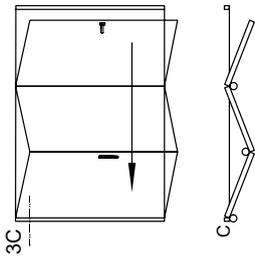




BF73 SYSTEM

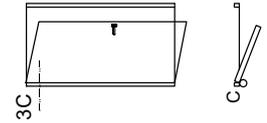
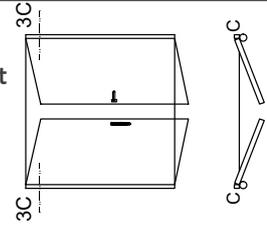
Hinged adjustable jamb (BF73.0201 Slim Sash) - Open out



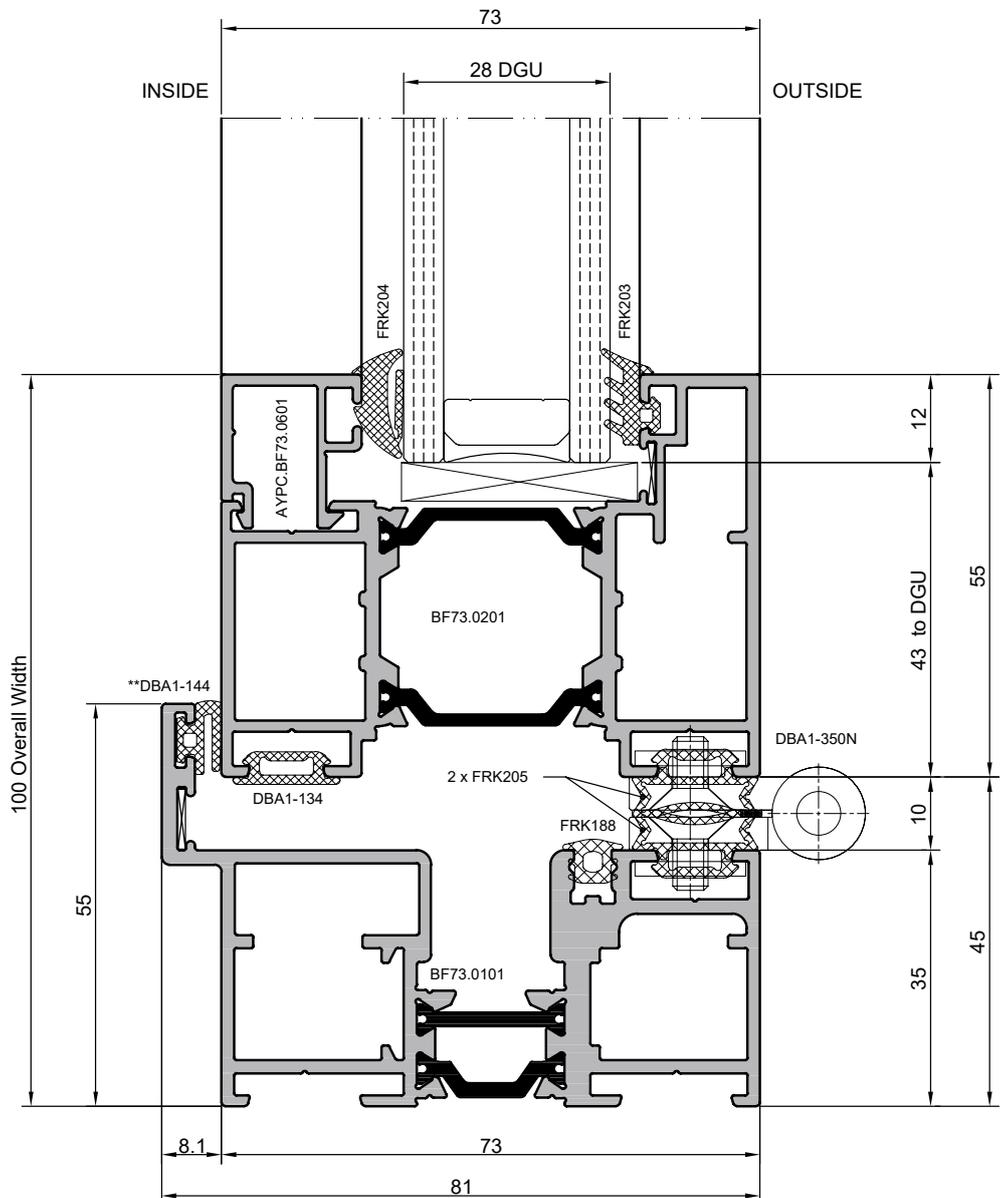


BF73 SYSTEM

Hinged jamb BF73.0101 (BF73.0201 Slim Sash) - Open out



 The presented solution is possible, but not recommended because of the possible difficulties with adjusting of the sashes along the length

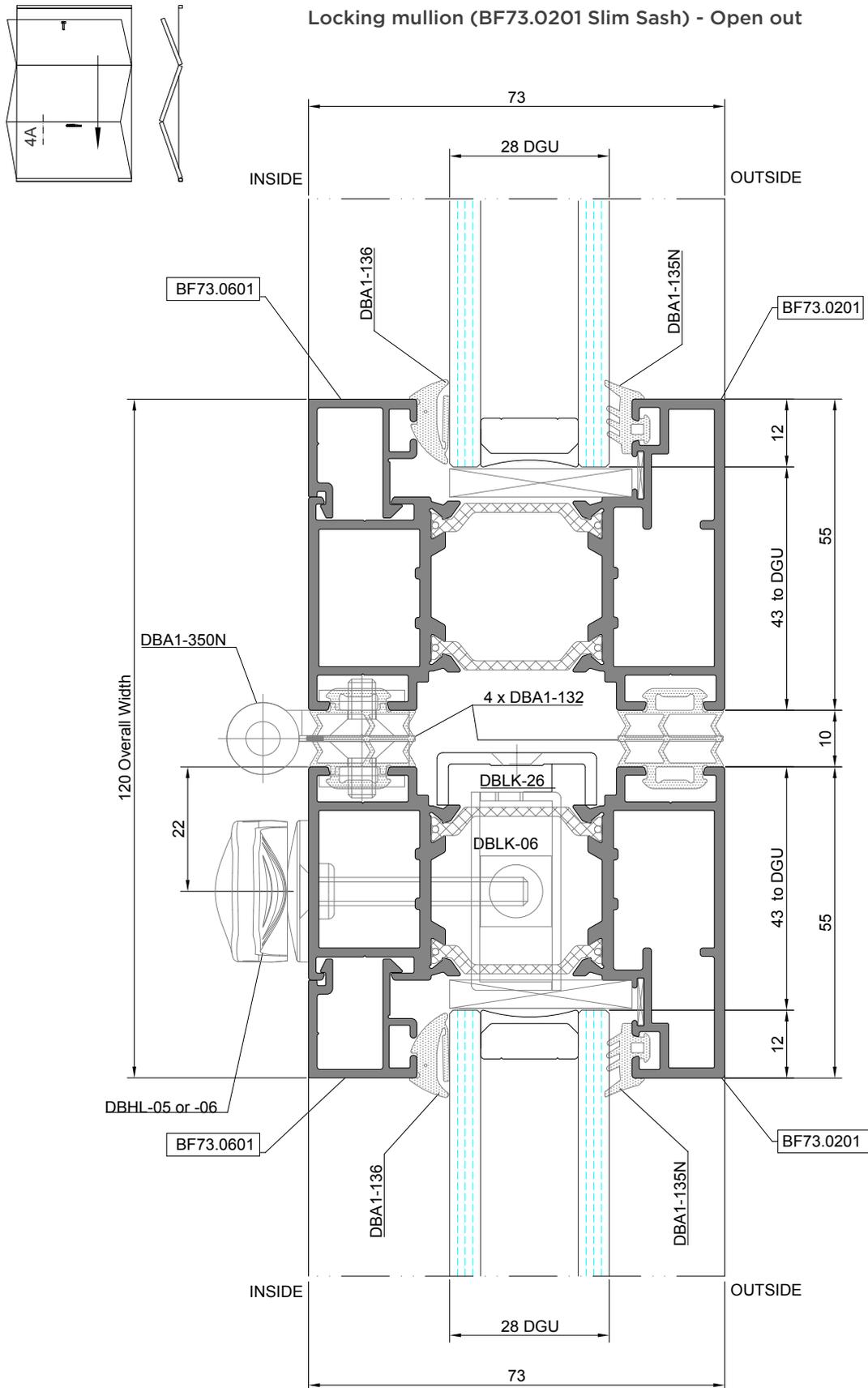


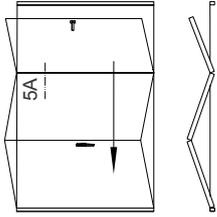
Note:

- * For inward opening, the frame profiles are turned around 180 degrees so that the DBA1-144 outer frame seal is located from the outside. At the same time, the hinge installation side is changed, the sash profile installation remains unchanged.
- ** Use DBA1-140 Brush instead of DBA1-144 on outer frame, to prevent binding if sliding post BF73.0502 is used.

BF73 SYSTEM

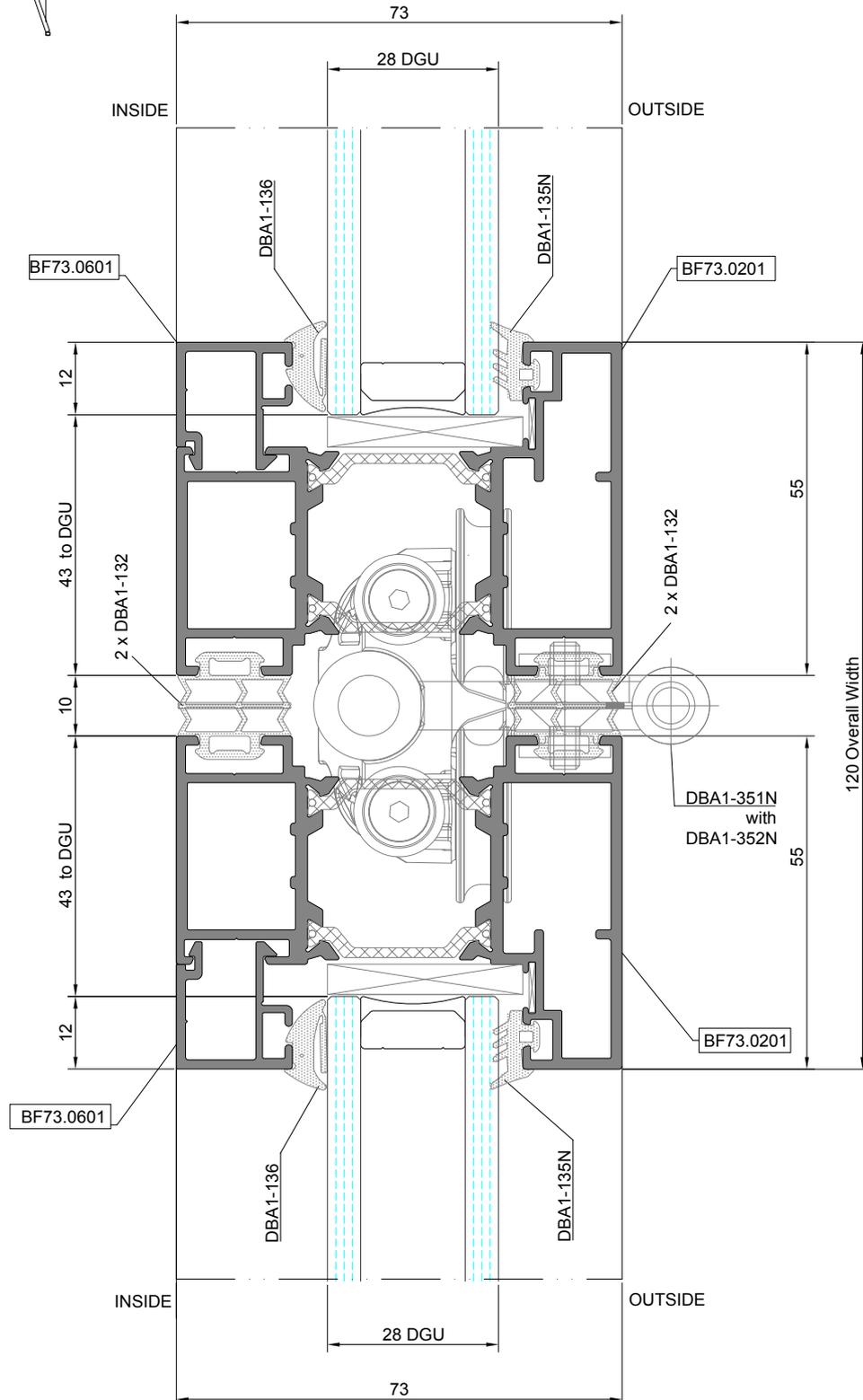
Locking mullion (BF73.0201 Slim Sash) - Open out

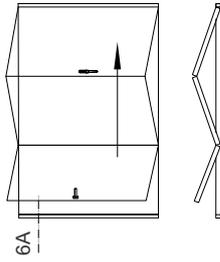




BF73 SYSTEM

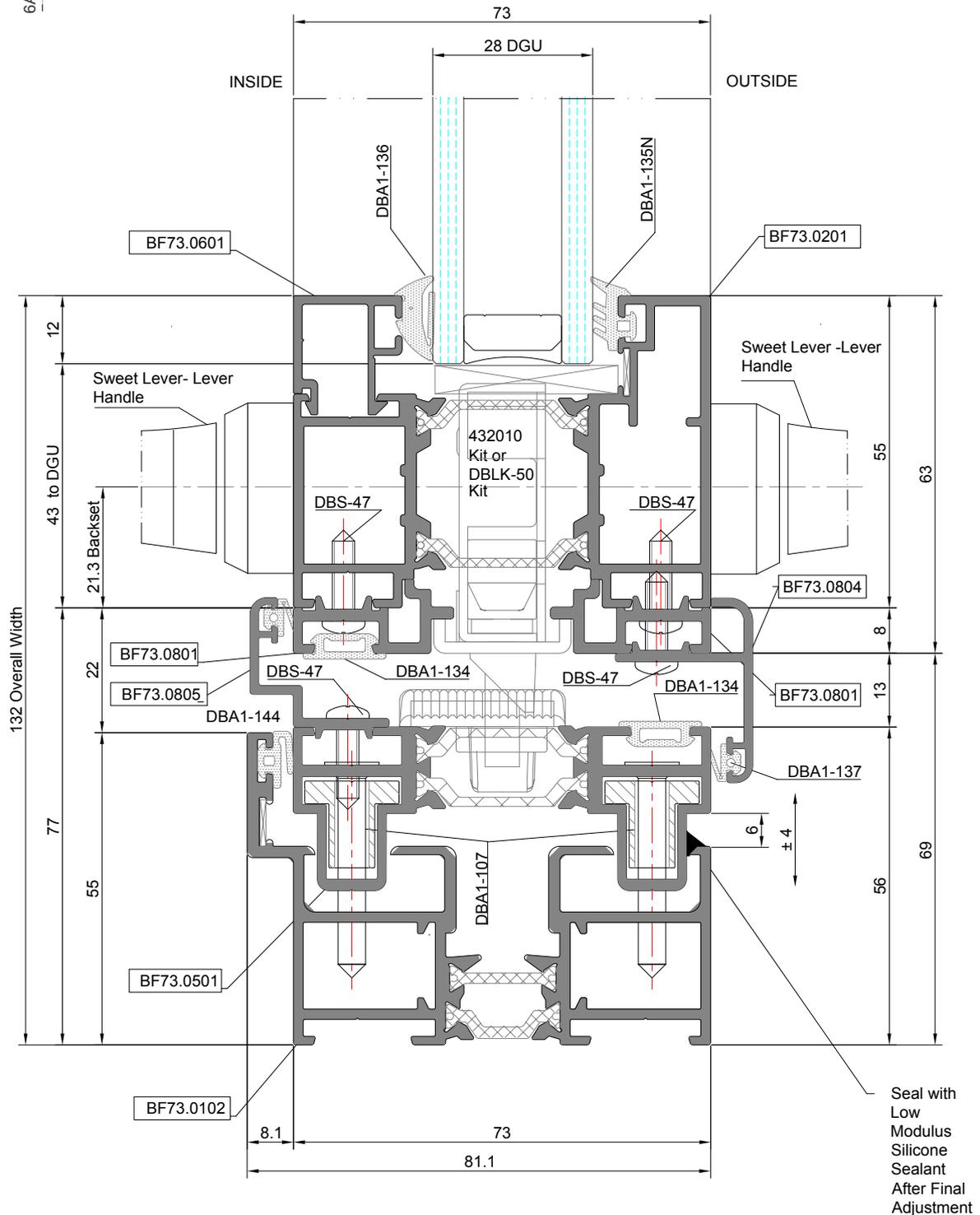
Mullion with roller set (BF73.0201 Slim Sash) - Open out

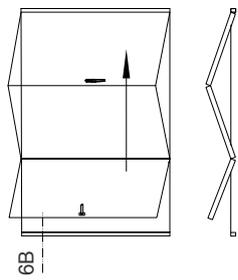




BF73 SYSTEM

Adjustable jamb with swing door (BF73.0201 Slim Sash)
- Open out

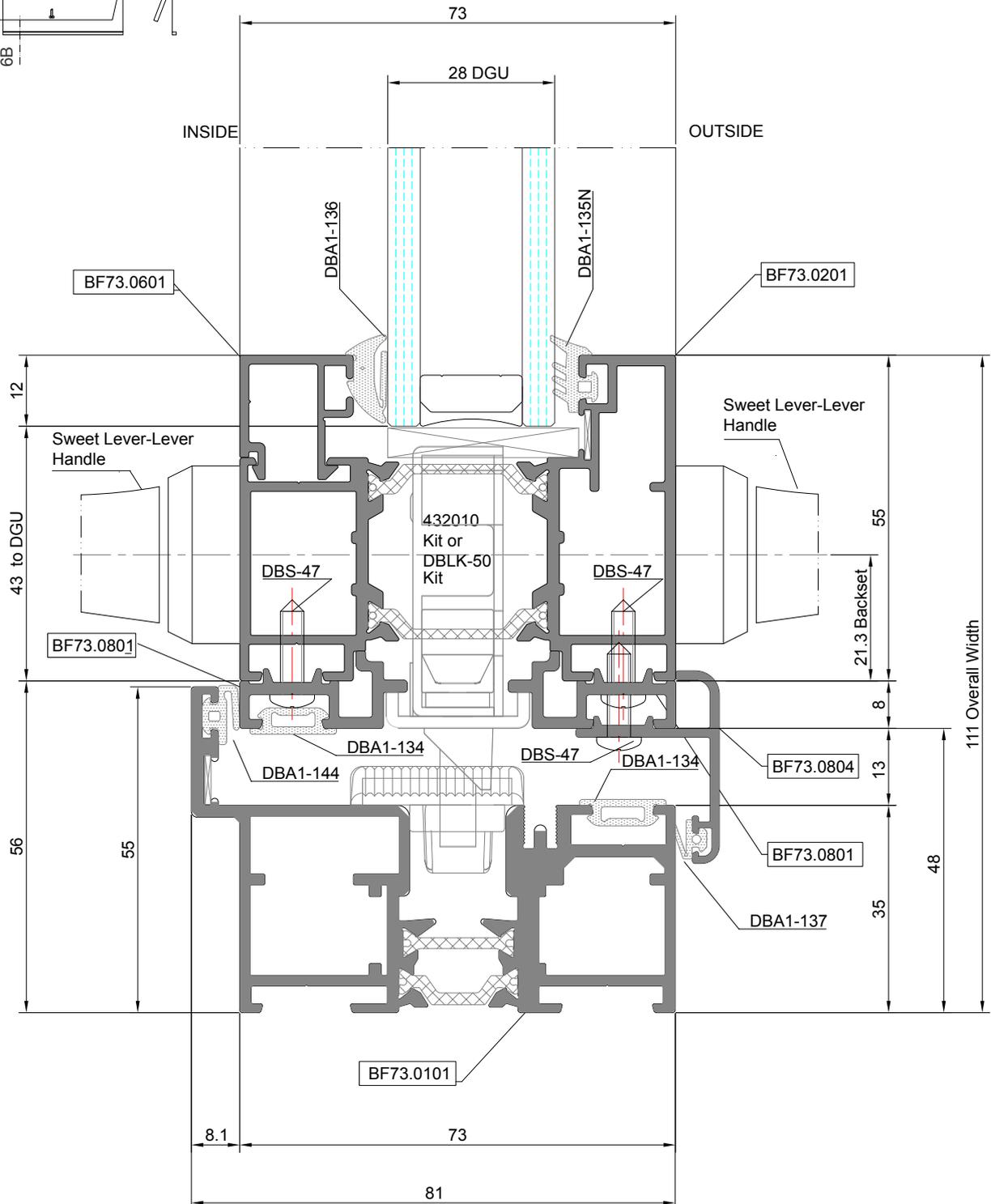


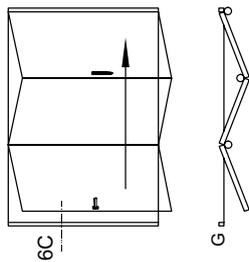


BF73 SYSTEM

Swing door jamb detail BF73.0101 (BF73.0201 Slim Sash)

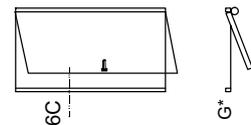
- Open out



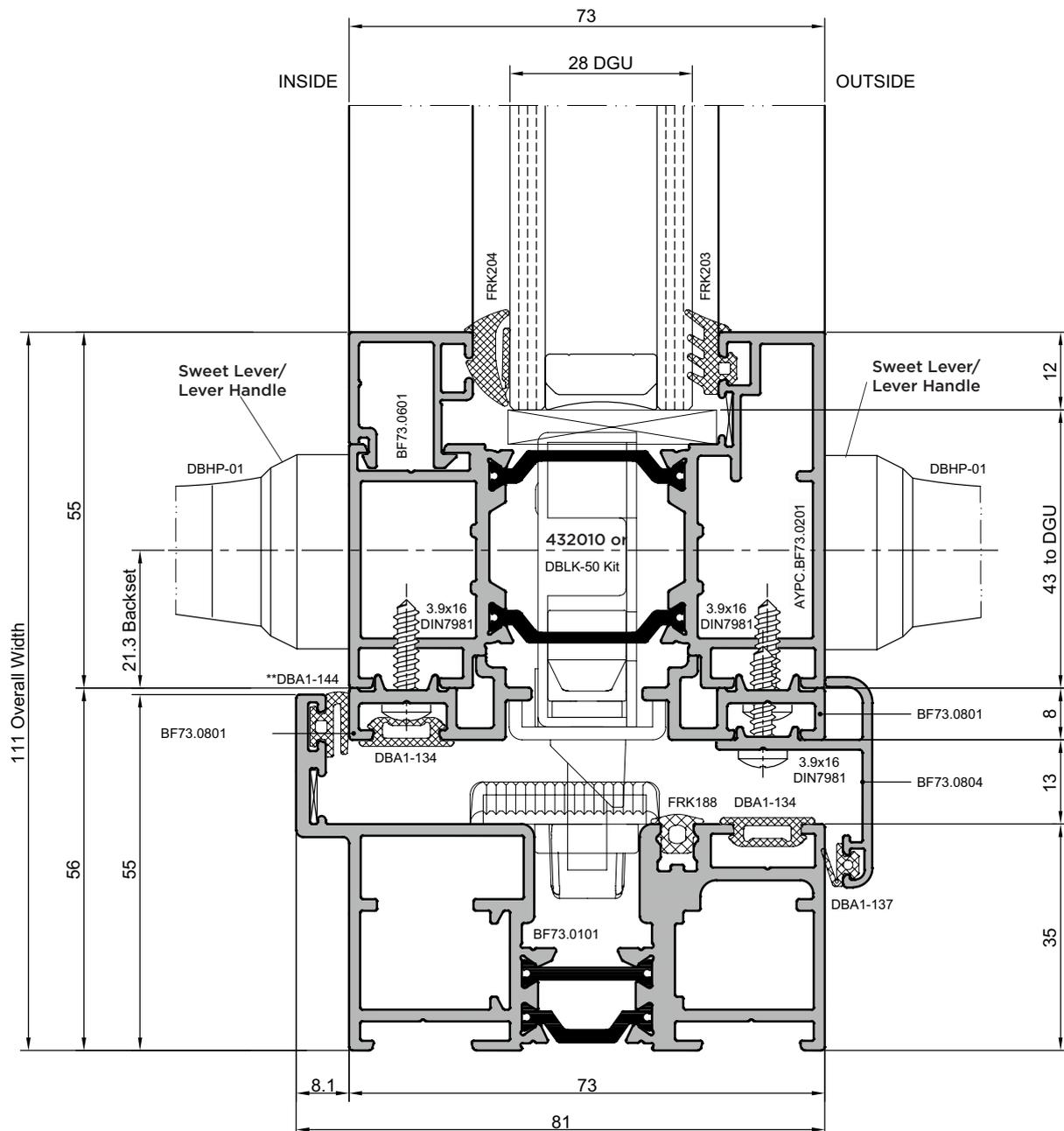


BF73 SYSTEM

Swing door jamb detail (BF73.0201 Slim Sash) - Open out



 The presented solution is possible, but not recommended because of the possible difficulties with adjusting of the sashes along the length



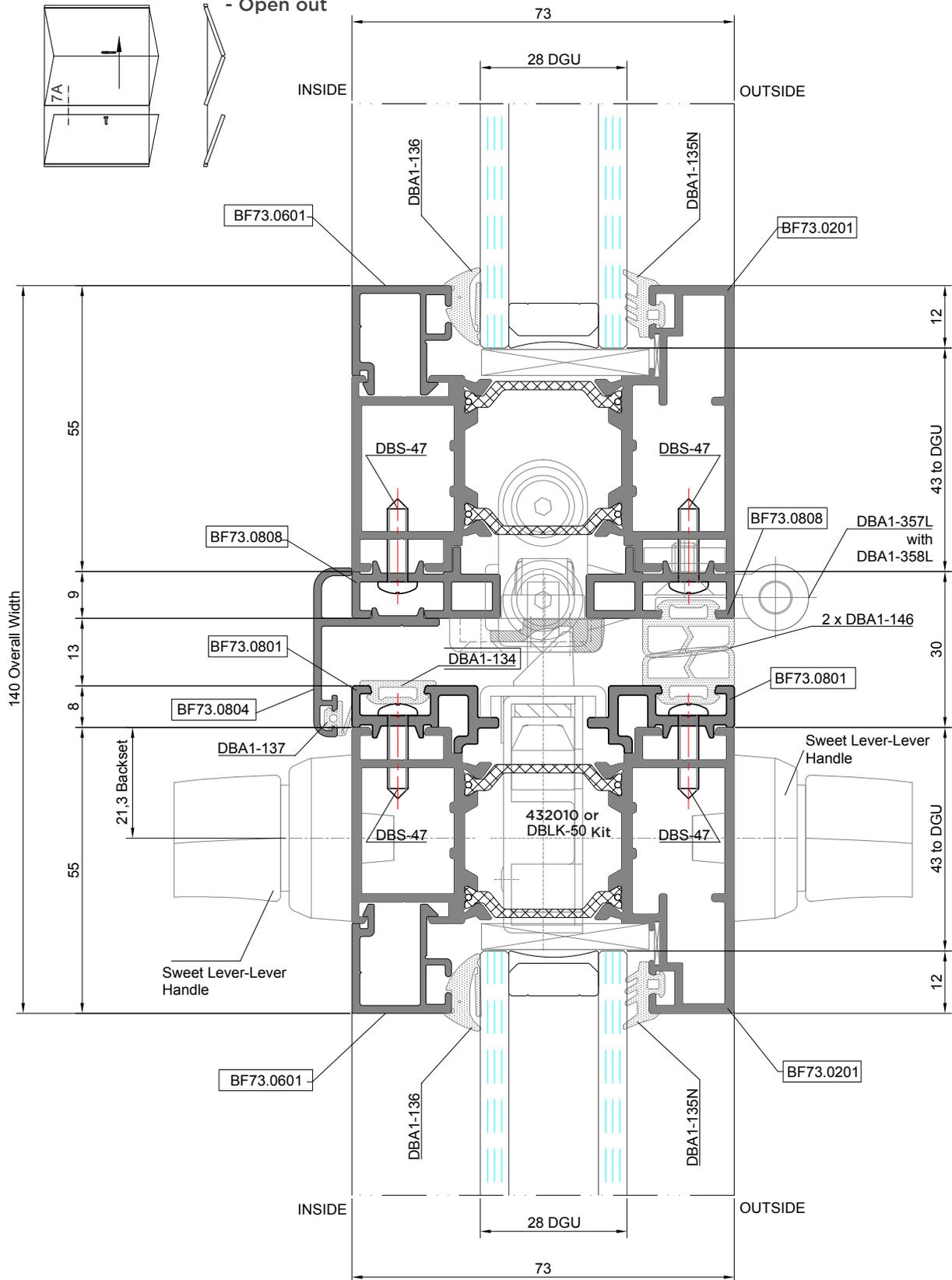
Note:

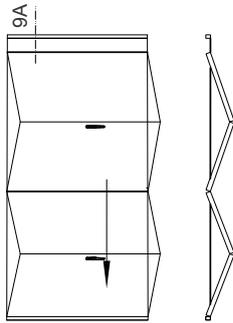
- * For inward opening, the frame profiles are turned around 180 degrees so that the DBA1-144 outer frame seal is located from the outside. At the same time, the hinge installation side is changed, the sash profile installation remains unchanged.
- ** Use DBA1-140 Brush instead of DBA1-144 on outer frame, to prevent binding if sliding post BF73.0502 is used.

BF73 SYSTEM

Right half roller to swing door (BF73.0201 Slim Sash)

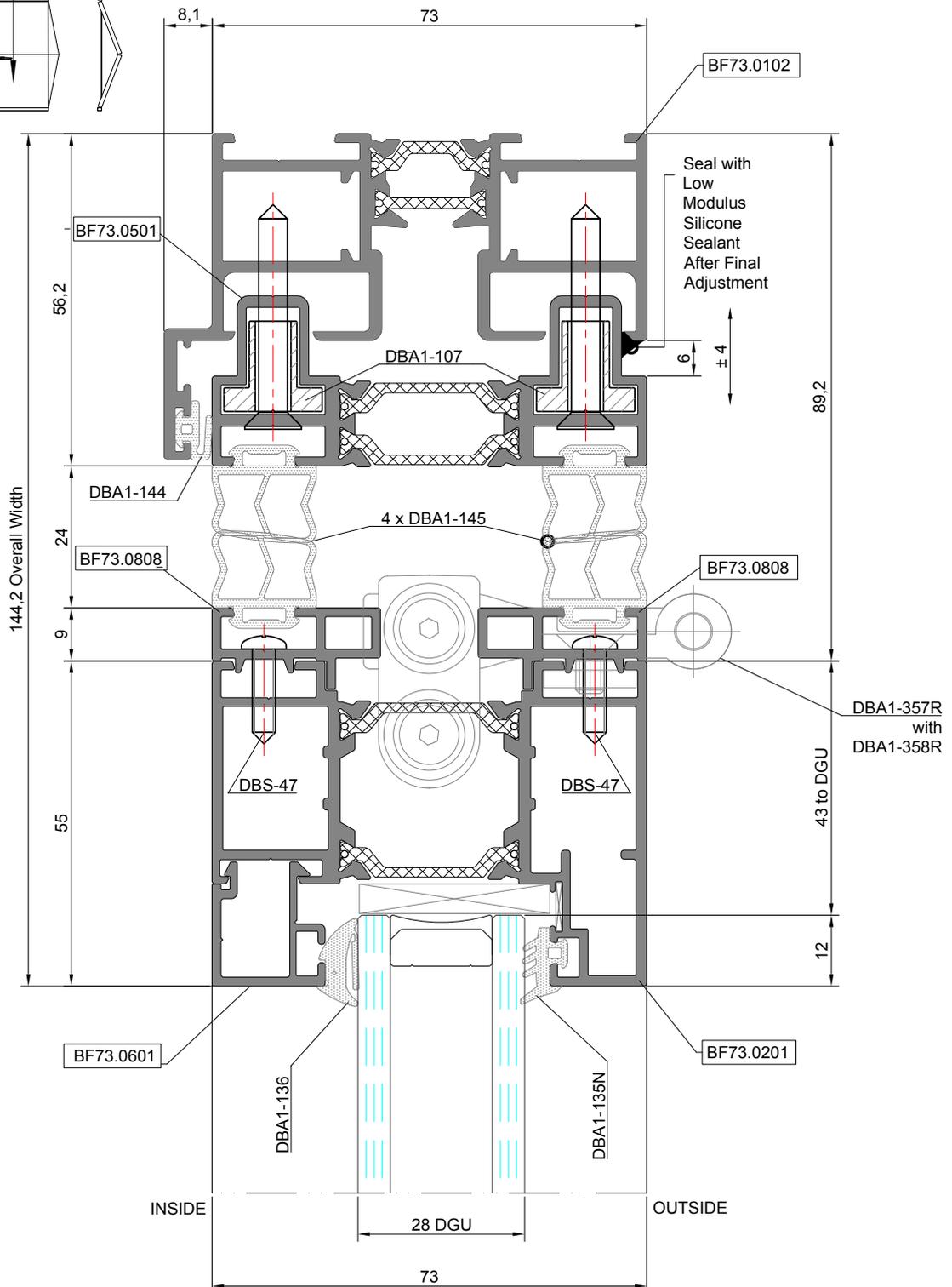
- Open out

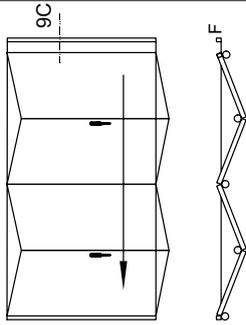




BF73 SYSTEM

Left half roller to adjustable jamb (BF73.0201 Slim Sash)
- Open out

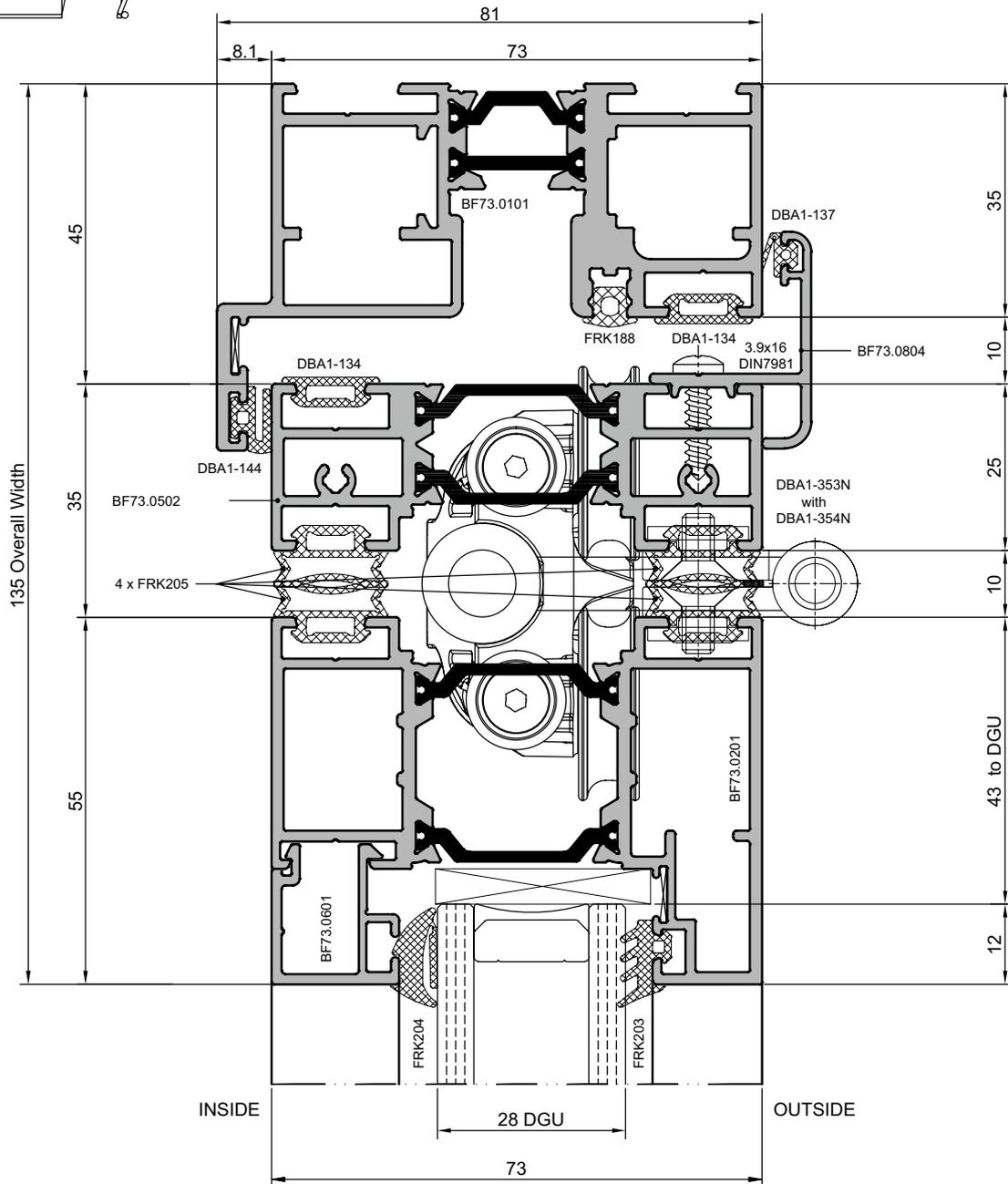




BF73 SYSTEM

Slide Post to outer frame BF73.0101 (BF73.0201 Slim Sash)
- Open out

 The presented solution is possible, but not recommended because of the possible difficulties with adjusting of the sashes along the length

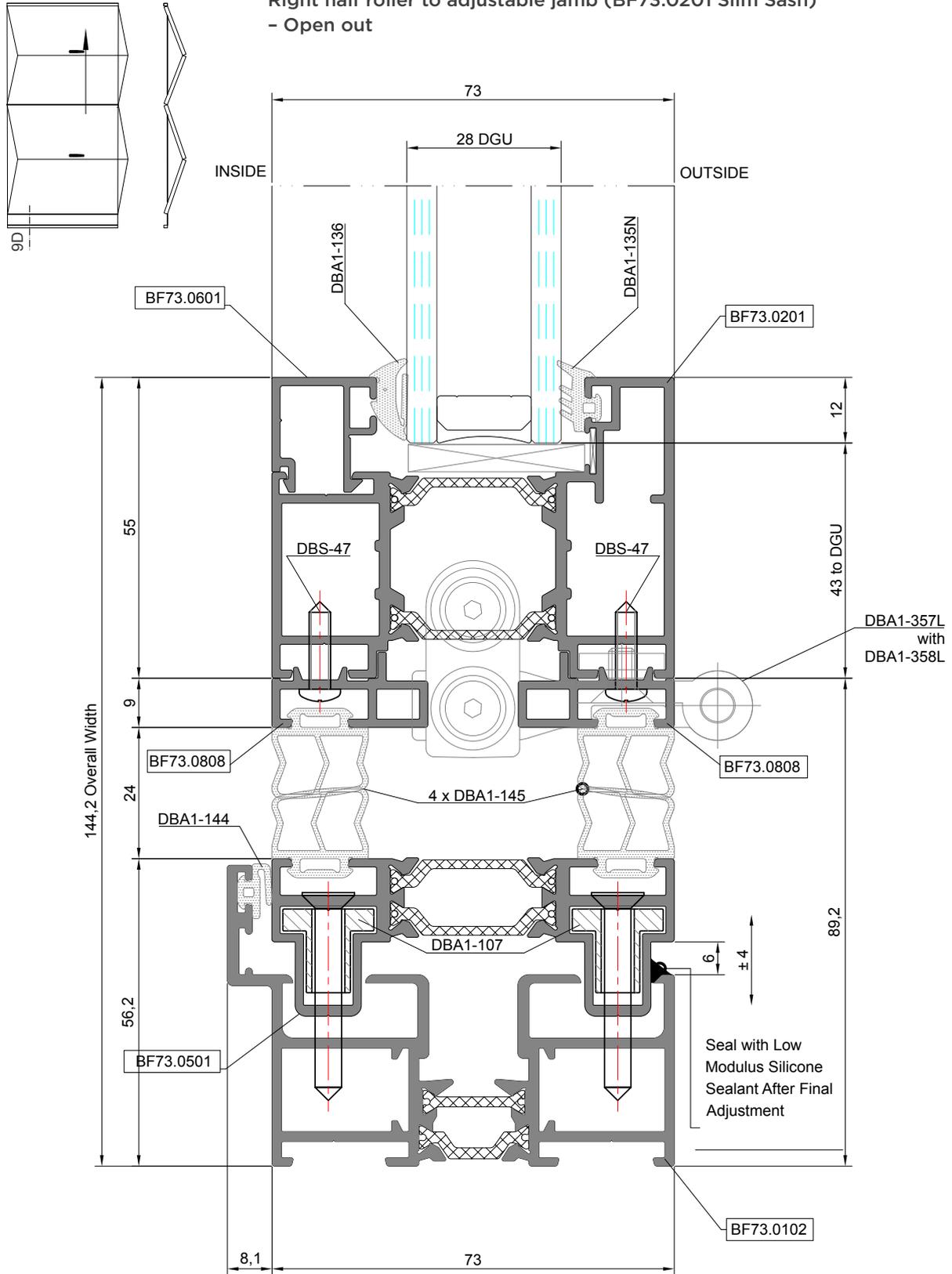


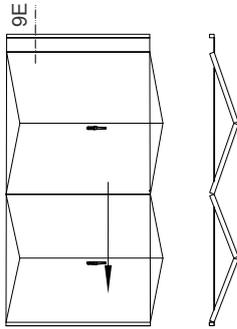
Note:

* For inward opening, the frame prople are turned around 180 degrees so that the DBA1-144 outer frame seal is located from the outside. At the same time, the installation side of the hinges and BF73.0804 ledge prople is changed, the sash prople installation remains unchanged.

BF73 SYSTEM

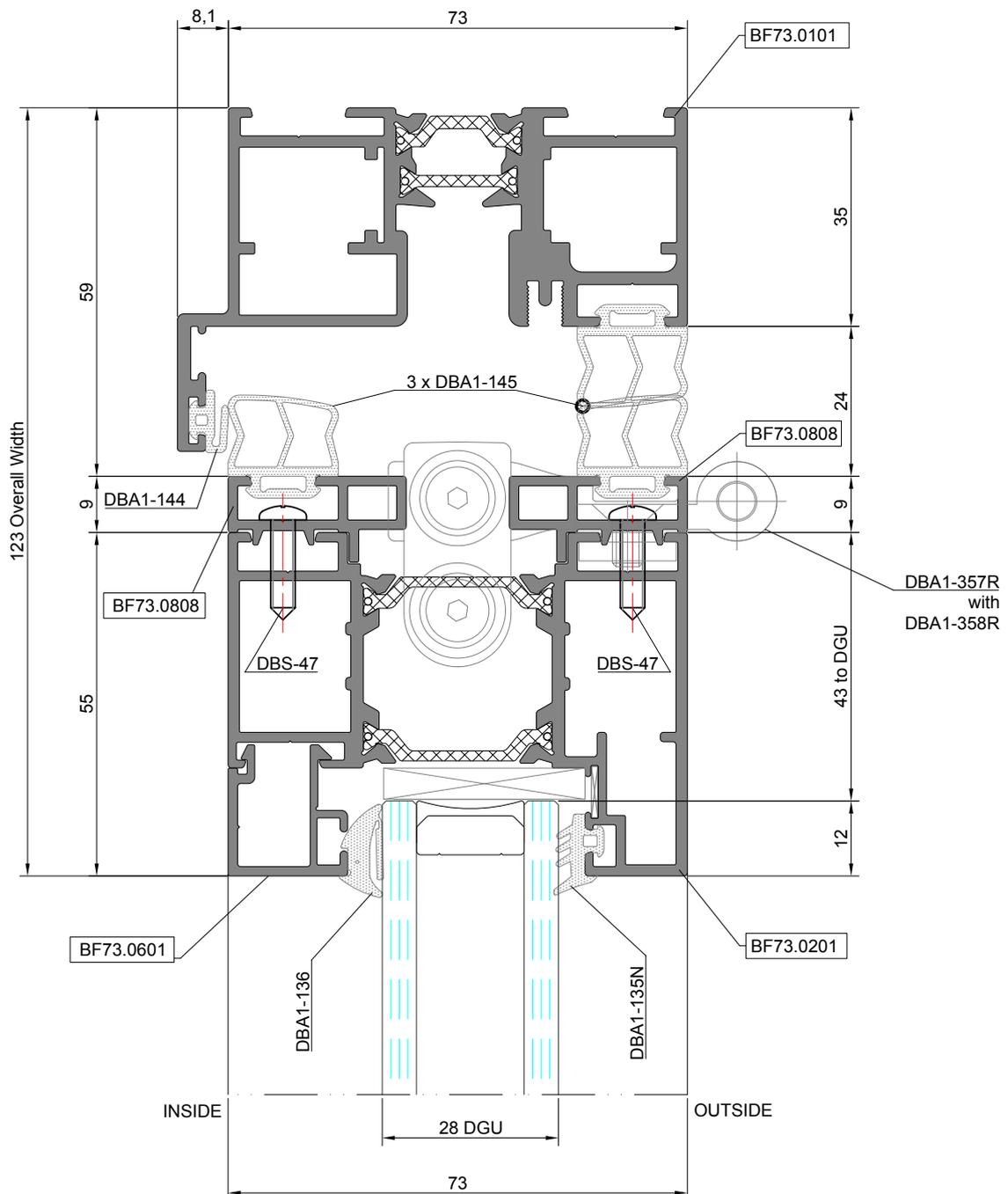
Right half roller to adjustable jamb (BF73.0201 Slim Sash)
- Open out

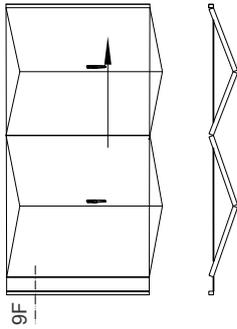




BF73 SYSTEM

Left half roller to adjustable jamb (BF73.0201 Slim Sash)
- Open out

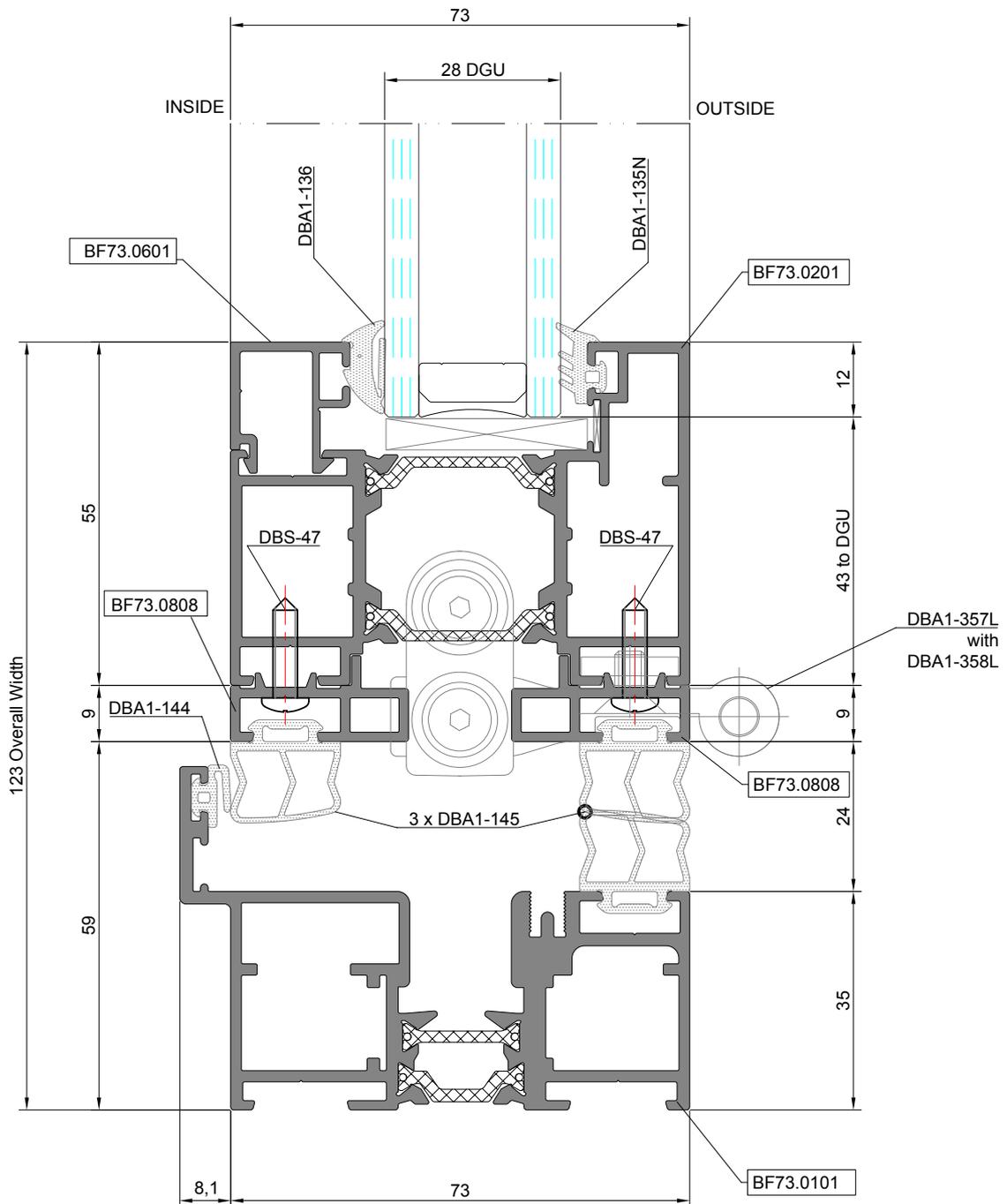


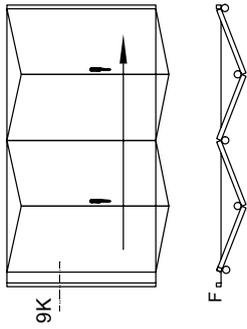


BF73 SYSTEM

Right half roller to adjustable jamb (BF73.0201 Slim Sash)

- Open out

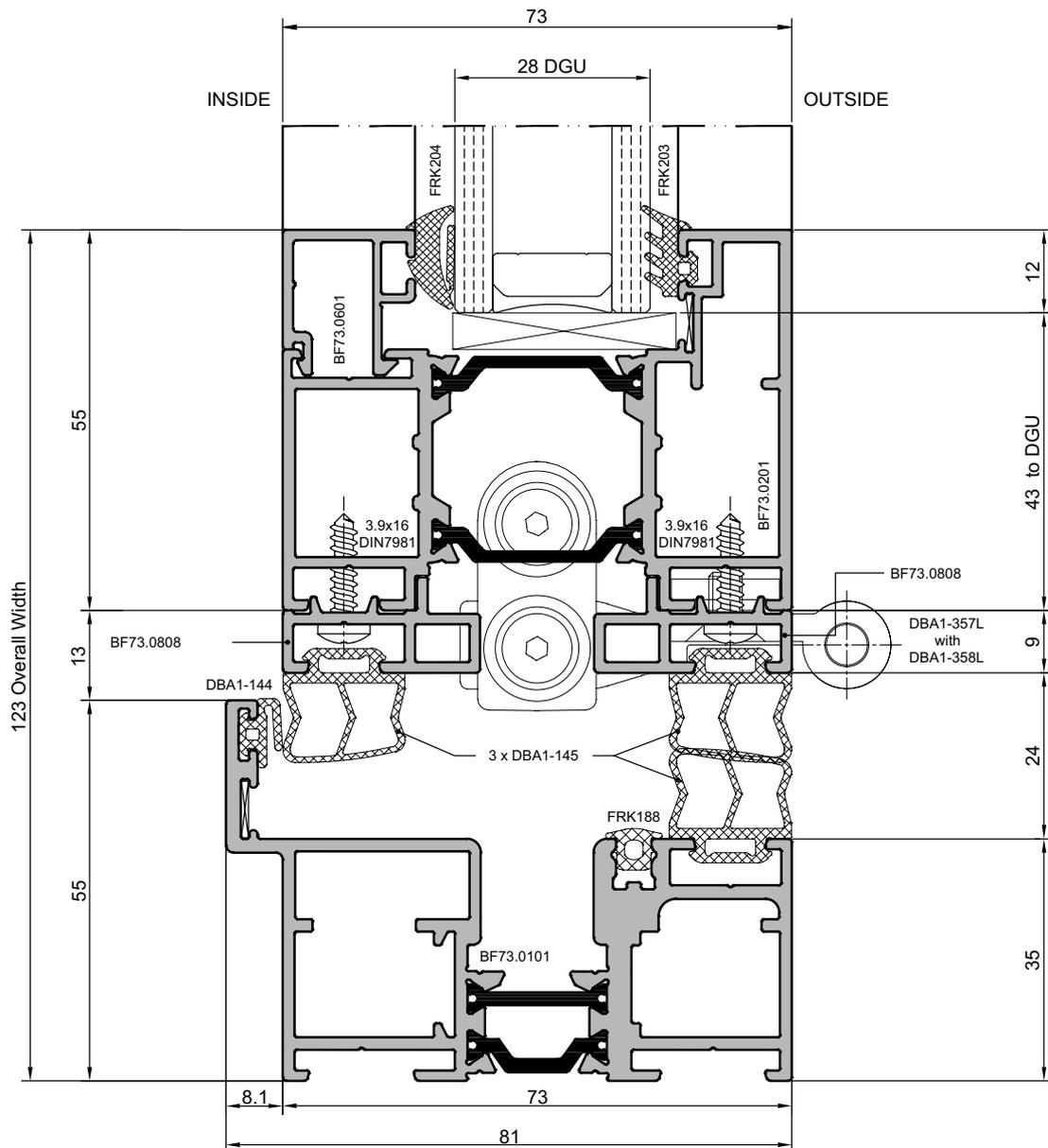




BF73 SYSTEM

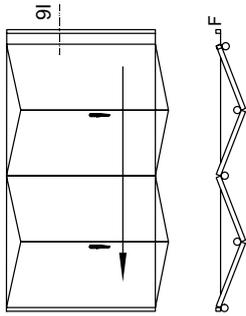
Left half roller to outer frame (BF73.0201 Slim Sash)
- Open out

 The presented solution is possible, but not recommended because of the possible difficulties with adjusting of the sashes along the length



Note:

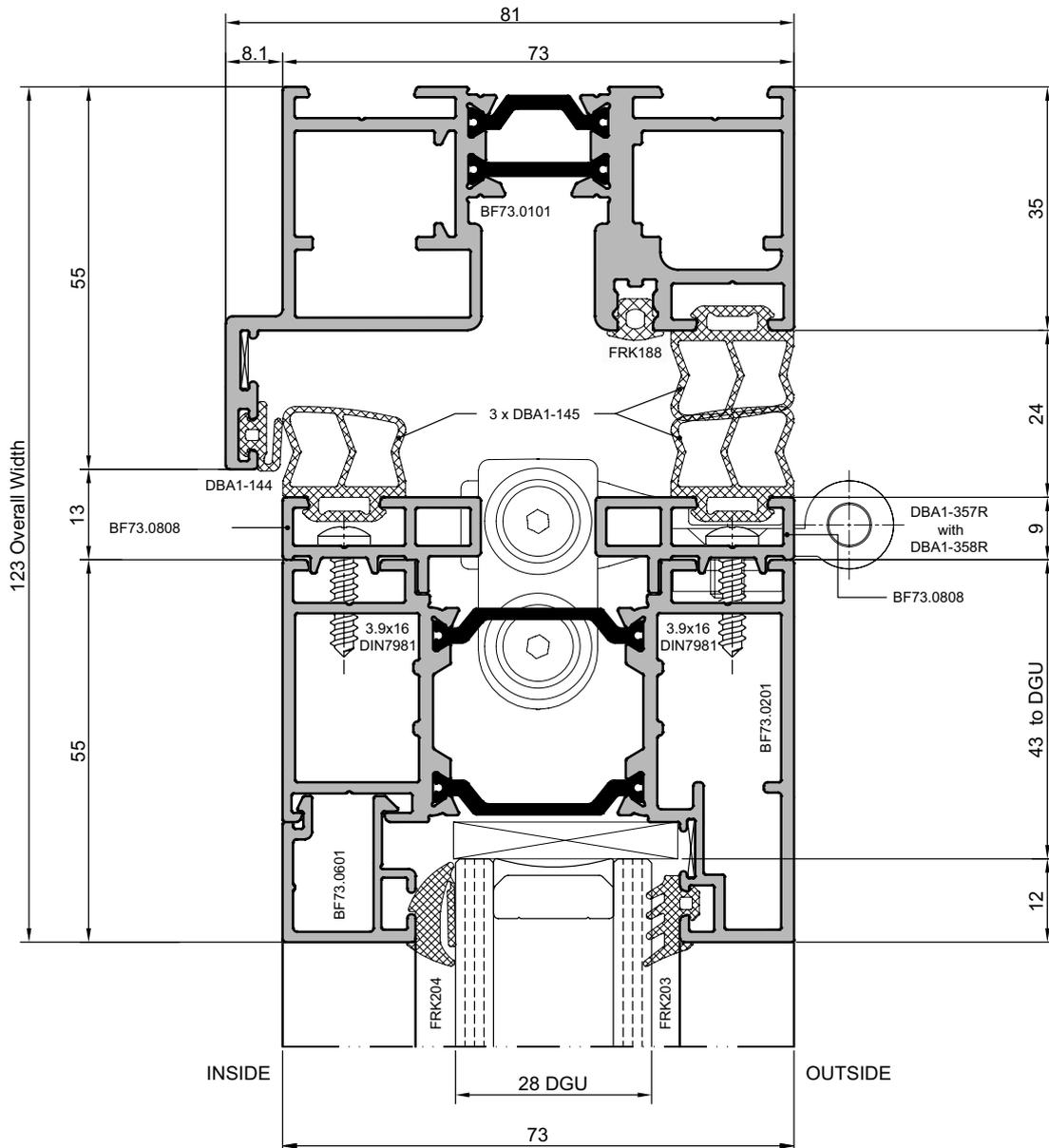
* For inward opening, the frame profiles are turned around 180 degrees so that the DBA1-144 outer frame seal is located from the outside. At the same time, the installation side of the hinges is changed, the sash profile installation remains unchanged.



BF73 SYSTEM

Right half roller to outer frame (BF73.0201 Slim Sash)
- Open out

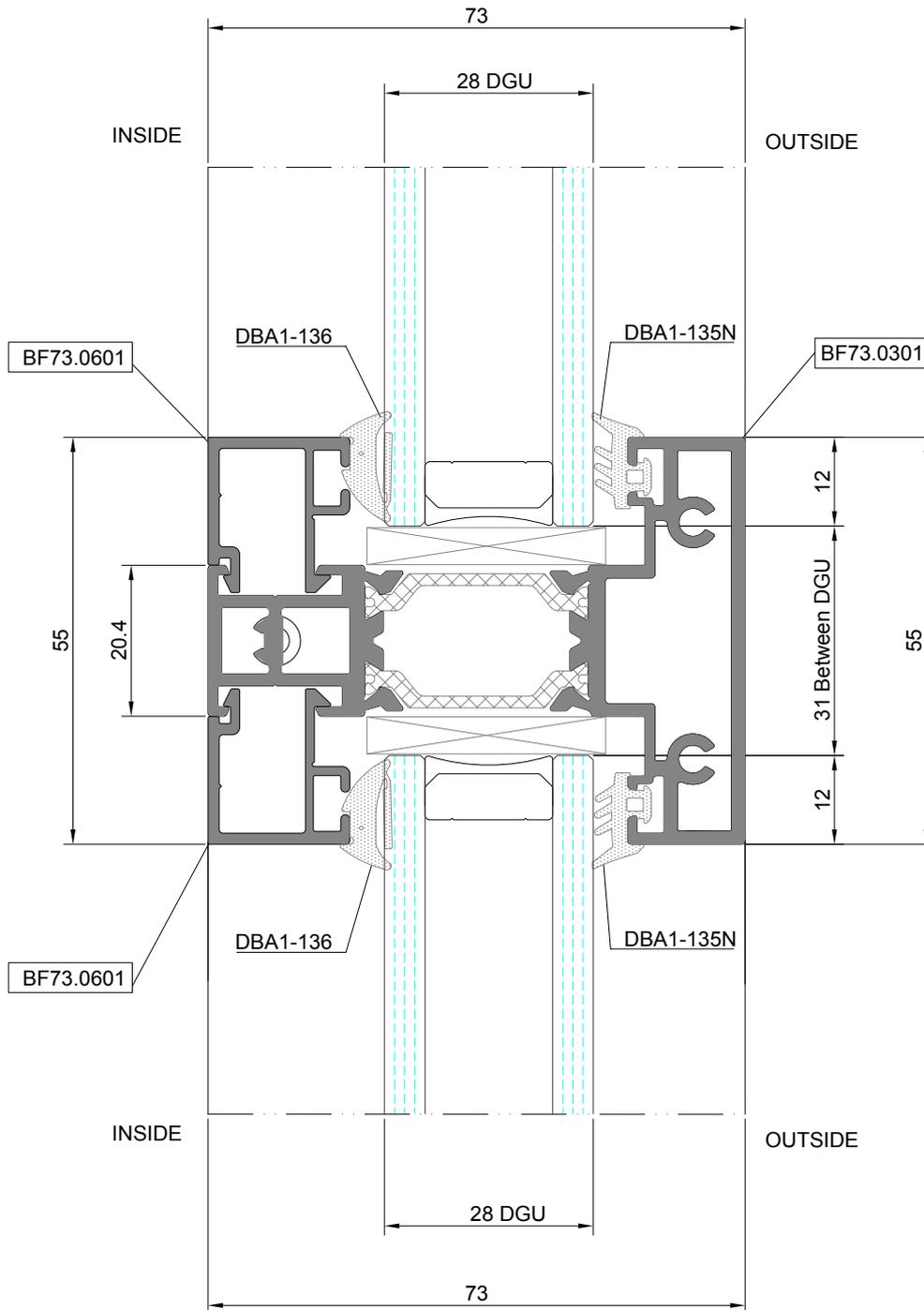
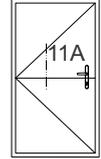
 The presented solution is possible, but not recommended because of the possible difficulties with adjusting of the sashes along the length

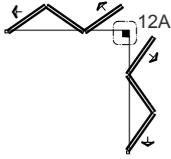


Note:

* For inward opening, the frame proPles are turned around 180 degrees so that the DBA1-144 outer frame seal is located from the outside. At the same time, the installation side of the hinges is changed, the sash proPle installation remains unchanged.

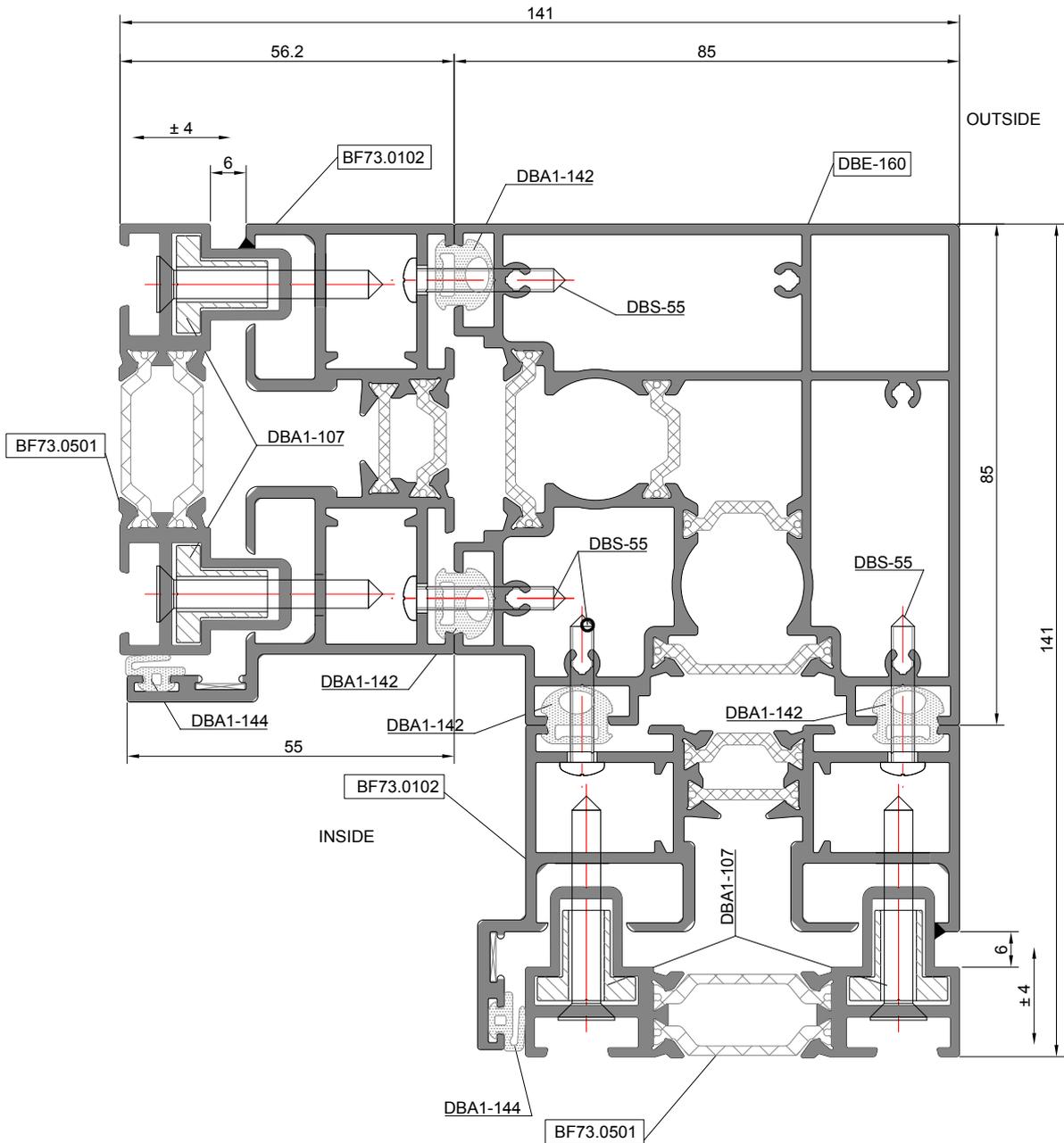
BF73 SYSTEM Transom detail - Open out



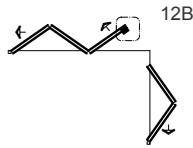


BF73 SYSTEM

Stationary corner post. Auto frame & adjust. jamb - Open out

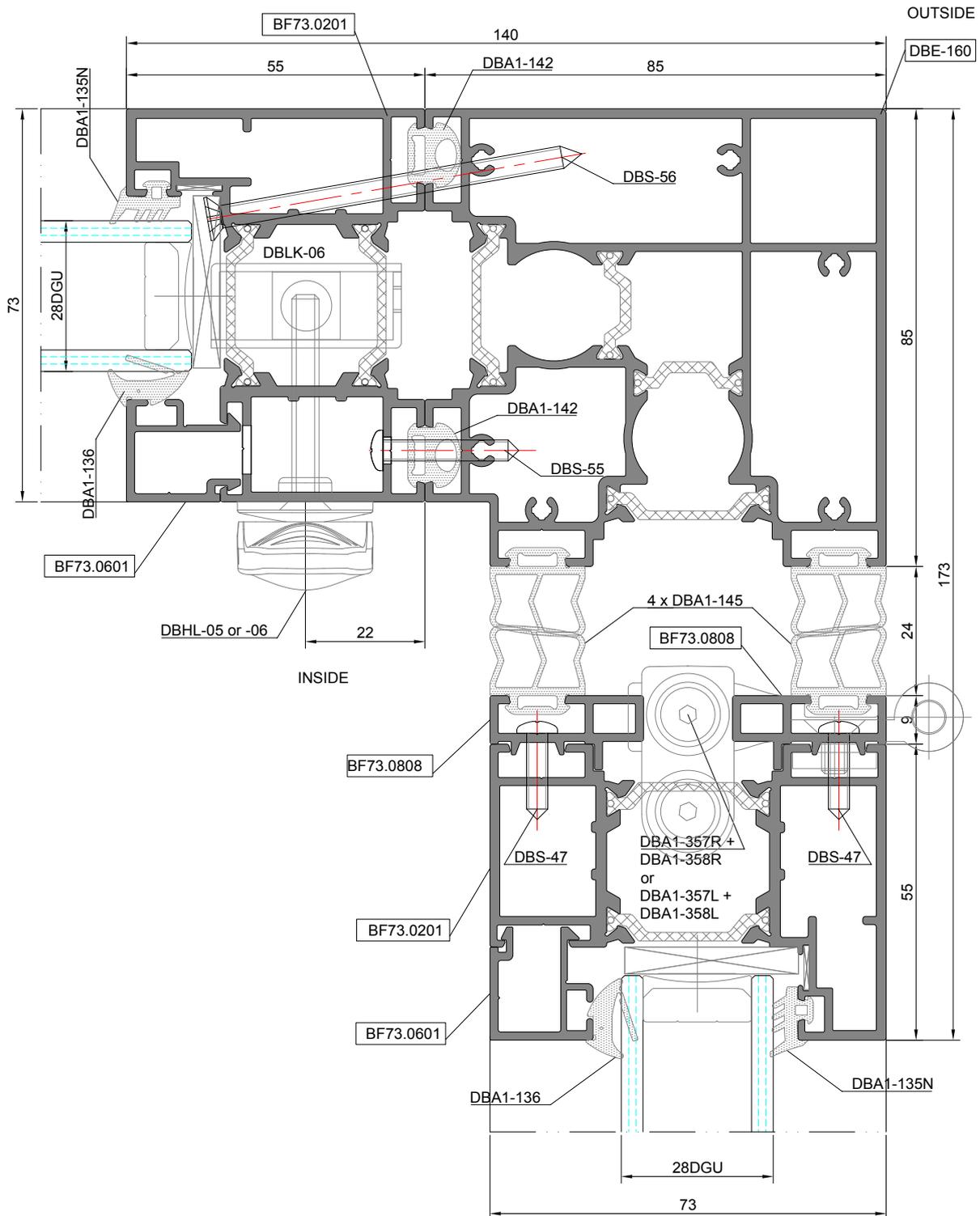


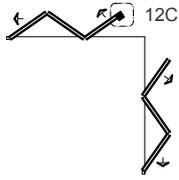
*Note: Use DBA1-140 Brush instead of DBA1-138 on outer frame, to prevent binding if sliding post BF73.0502 is used.



BF73 SYSTEM

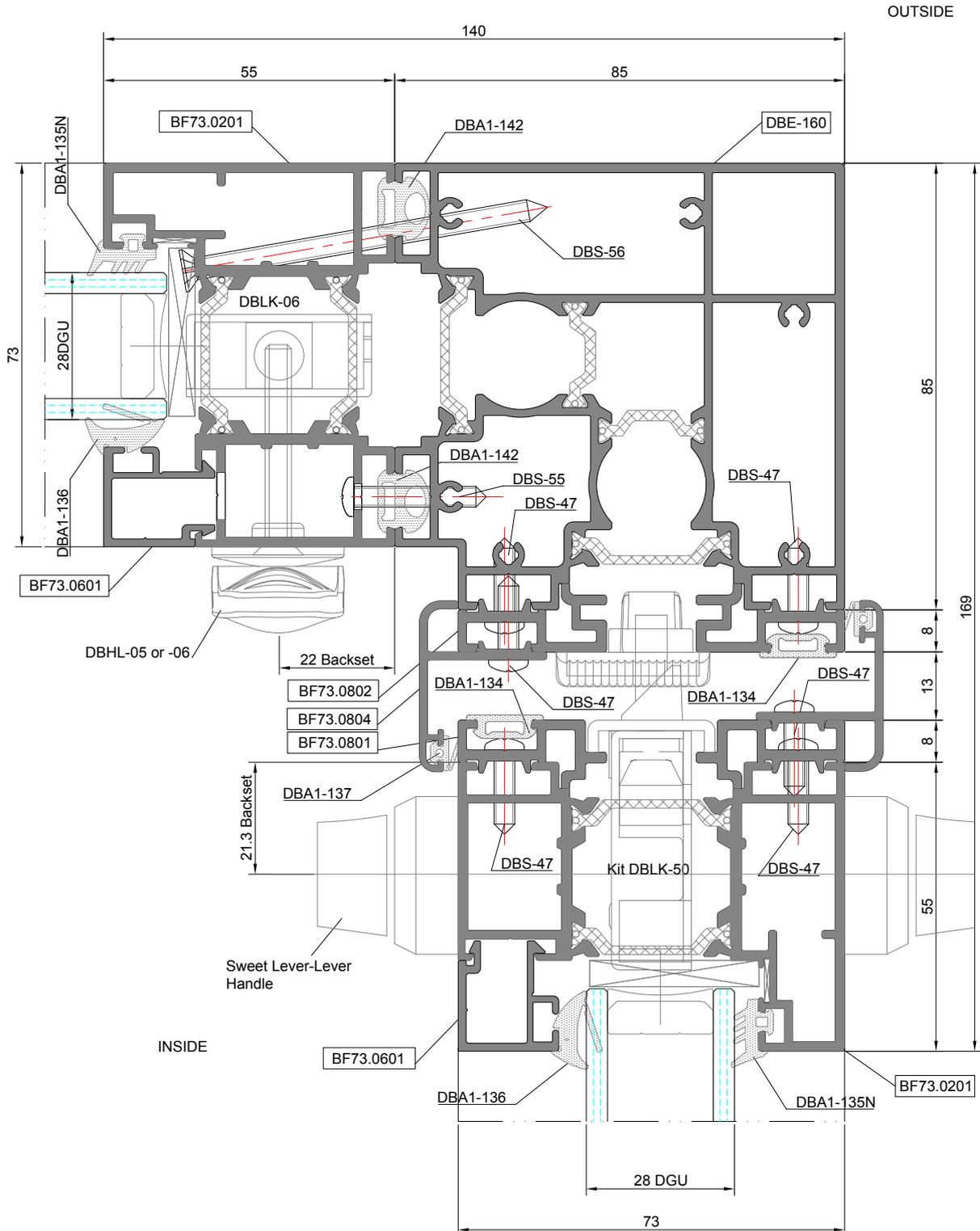
Corner post. Odd to even door meeting stile
(BF73.0201 Slim Sash) - Open Out





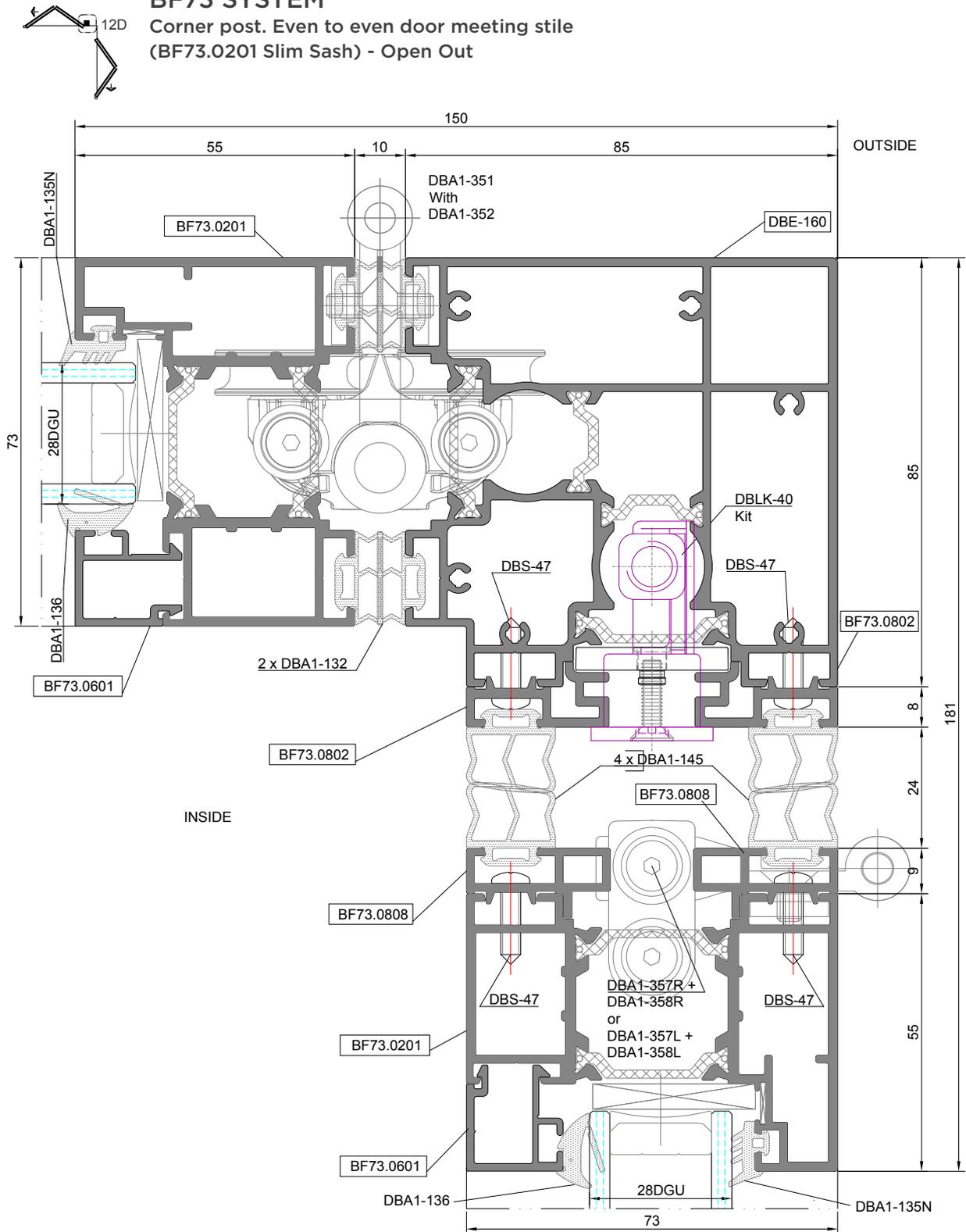
BF73 SYSTEM

Corner post. Odd to odd door meeting stile
(BF73.0201 Slim Sash) - Open Out



BF73 SYSTEM

Corner post. Even to even door meeting stile
(BF73.0201 Slim Sash) - Open Out



**BF73 SYSTEM
CUTTING LIST AND HARDWARE INDEX**

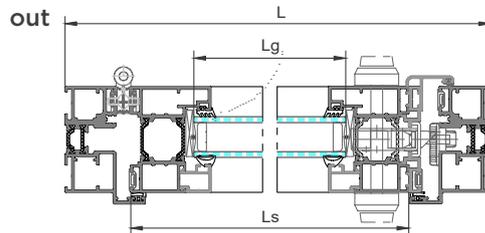
CUTTING LIST AND HARDWARE FOR OPEN OUT CONFIGURATION INDEX

1	Door Series 1-0-0	64-67
2	Door Series 2-2-0	68-73
3	Door Series 2-1-1	74-77
4	Door Series 3-3-0	78-81
5	Door Series 3-2-1	82-87
6	Door Series 4-4-0	88-95
7	Door Series 4-3-1	96-99
8	Door Series 4-2-2	100-107
9	Door Series 5-5-0	108-111
10	Door Series 5-4-1	112-117
11	Door Series 5-3-2	118-125

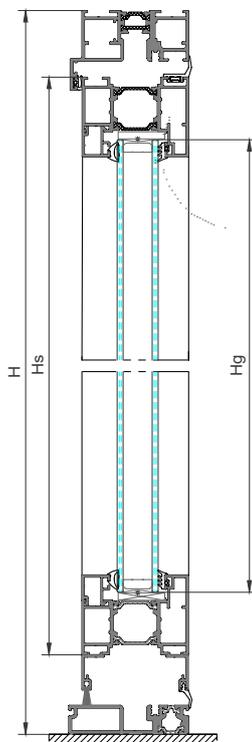
BF73 SYSTEM

Series 100 BF73.0103 threshold + BF73.0201 sash - Open

SECTION A-A

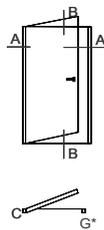


SECTION B-B



				mm
BF73.0103			x 1	L
BF73.0101			x 1	L
			x 1R x 1L	H-20
BF73.0201			x 2	Ls* = L-101
			x 2	Hs = H-101
BF73.0803			x 2	Ls+8
BF73.0601			x 2	Hs - 111
			x 2	Ls - 76.5
BF73.0804			x 1	Hs + 24.5
BF73.0801			x 2	Hs

DBA1-135N		2Ls + 2Hs
DBA1-136		2Ls + 2Hs



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 1	Lg = Ls - 86
			Hg = Hs - 86

DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		2H
DBA1-137		H
DBA1-134		3H
DBA1-141		L
DBA1-143		L

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
G*		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 100 BF73.0103 threshold + BF73.0201 sash - Open out

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 8
	DBA1-102		x 4

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 2

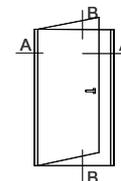
FIXING BLOCK		
4x 	DBA1-105	x 1

* Number of hinges according sash dimensions.

*** According left or right opening hand

^ For doors up to 2.5m high

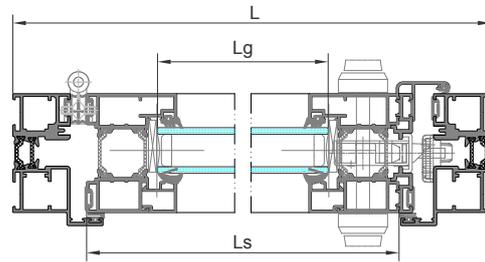
@ for Pas 24 - Switch to security hardware.



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 1	Lg = Ls - 86
			Hg = Hs - 86

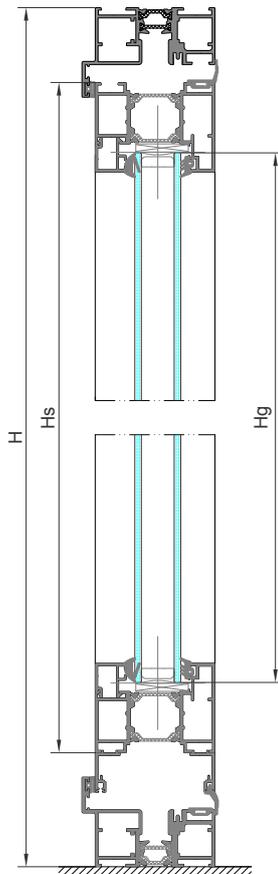
SECTION A-A



BF73 SYSTEM

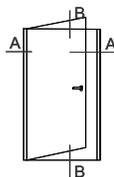
Series 100 BF73.101 threshold +
BF73.0201 sash - Open out

SECTION B-B



			
BF73.0101		x 2	L
		x 2	H
BF73.0201		x 2	Ls* = L-101
		x 2	Hs = H-116
BF73.0803		x 2	Ls+8
BF73.0601		x 2	Hs - 111
		x 2	Ls - 76.5
BF73.0804		x 1	Hs + 24.5
BF73.0801		x 2	Hs

DBA1-135N		2Ls + 2Hs
DBA1-136		2Ls + 2Hs



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 1	Lg = Ls - 86
			Hg = Hs - 86

DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		2H
DBA1-137		H
DBA1-134		L+3H
DBA1-143		L

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
G*		DBLK-50/RH/Kit	Lever latch lock kit - RH	1 ***
		DBLK-50/LH/Kit	Lever latch lock kit - LH	
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1

BF73 SYSTEM

Series 100 BF73.101 threshold + BF73.0201 sash - Open out

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 8
	DBA1-102		x 4

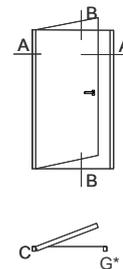
END CAPS		
	DBA1-201	x 1
	DBA1-106	x 2

* Number of hinges according sash dimensions.

*** According left or right opening hand

^ For doors up to 2.5m high

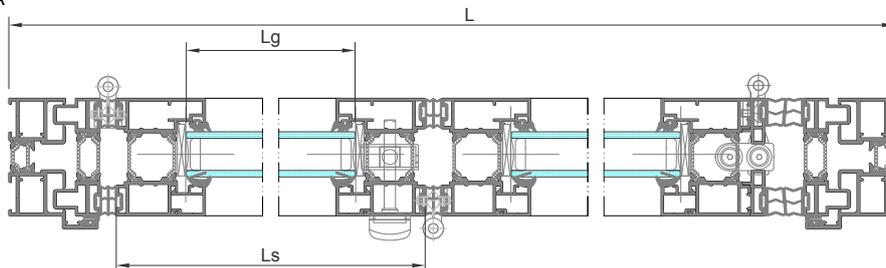
@ for Pas 24 - Switch to security hardware.



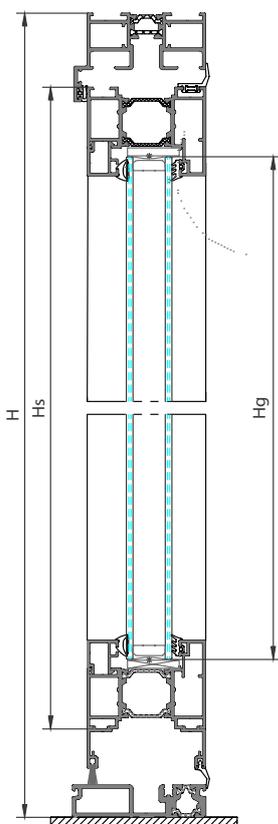
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 1	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



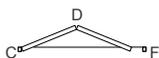
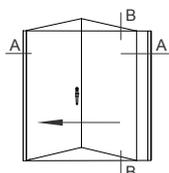
SECTION B-B



			
BF73.0103			x 1 L
BF73.0102			x 1 L
			x 1R x 1L H-20
BF73.0201			x 4 Ls = L/2-82.7
			x 4 Hs = H-101
BF73.0803			x 4 Ls
BF73.0601			x 4 Hs - 111
			x 4 Ls - 76.5
BF73.0501			x 2 H - 56
DBPR-001			x 1 L - 115
BF73.0808			x 2 Hs -386

BF73 SYSTEM

Series 220 BF73.0103 threshold + BF73.0201 - Open out
With adjustable jamb and half roller



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 86
			Hg = Hs - 86

DBA1-135N		4Ls + 4Hs
DBA1-136		4Ls + 4Hs

DBA1-145		4H
DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		8H
DBA1-141		L
DBA1-143		L

BF73 SYSTEM

Series 220 BF73.0103 threshold + BF73.0201 sash - Open out

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
F		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 16
	DBA1-102		x 8

END CAPS		
	DBA1-106	x 3

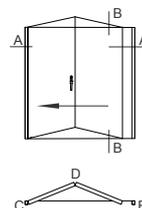
FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1) @
	DBA1-105	x 1

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides

*** According left or right opening hand.

@ for Pas 24 - Switch to security hardware.



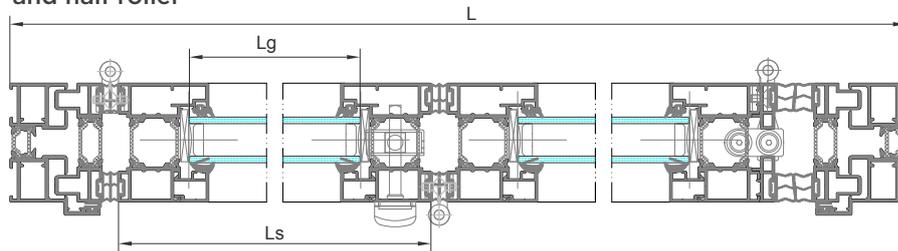
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 86
			Hg = Hs - 86

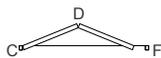
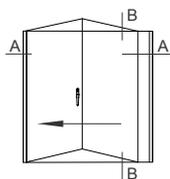
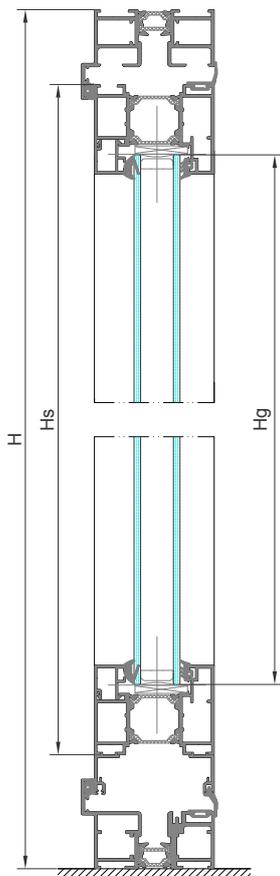
BF73 SYSTEM

Series 220 BF73.0101 threshold + BF73.0201 sash - Open out With adjustable jamb and half roller

SECTION A-A



SECTION B-B



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 86
			Hg = Hs - 86

BF73.0101			x 1	L
BF73.0102			x 1	L
BF73.0201			x 2	H
			x 4	Ls = L/2-82.7
BF73.0803			x 4	Hs = H-116
			x 4	Ls
BF73.0601			x 4	Hs - 111
			x 4	Ls - 76.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0808			x 2	Hs - 386

DBA1-135N		4Ls + 4Hs
DBA1-136		4Ls + 4Hs

DBA1-145		4H
DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		8H
DBA1-143		L
DBA1-134		L

BF73 SYSTEM

Series 220 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder	Half cylinder 40/10	1 **
		40/40 Cylinder	Full cylinder 40/40	1 **
F		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 16
	DBA1-102		x 8

END CAPS		
	DBA1-106	x 3

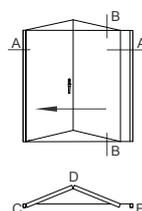
FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1) @

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides

*** According left or right opening hand.

@ for Pas 24 - Switch to security hardware.



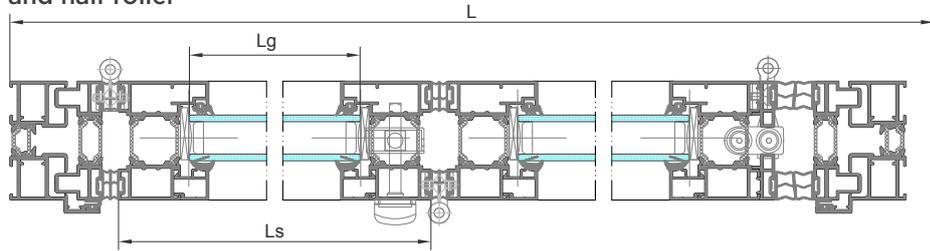
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 86
			Hg = Hs - 86

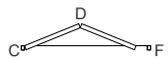
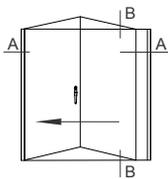
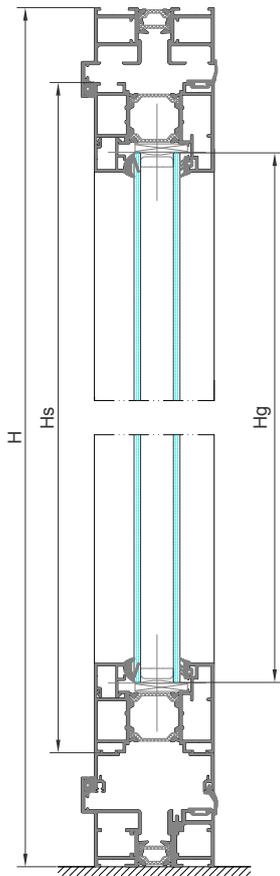
BF73 SYSTEM

Series 220 BF73.0101 threshold + BF73.0201 sash - Open out. With adjustable jamb and half roller

SECTION A-A



SECTION B-B



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 99
			Hg = Hs - 99

BF73.0101			x 1	L
BF73.0102			x 1	L
BF73.0201			x 2	H
			x 4	Ls = L/2-82.7
BF73.0803			x 4	Hs = H-116
			x 4	Ls
BF73.0601			x 4	Hs - 124
BF73.0501			x 4	Ls - 89.5
			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0808			x 2	Hs - 386

DBA1-135N		4Ls + 4Hs
DBA1-136		4Ls + 4Hs

DBA1-145		4H
DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		8H
DBA1-143		L
DBA1-134		L + 2H

BF73 SYSTEM

Series 220 BF73.0101 threshold + BF73.0201 sash - Open out with adjustable jamb and half roller

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
F		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 16
	DBA1-102		x 8

END CAPS		
	DBA1-106	x 3

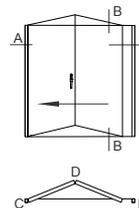
FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1) @

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides

*** According left or right opening hand.

@ for Pas 24 - Switch to security hardware.



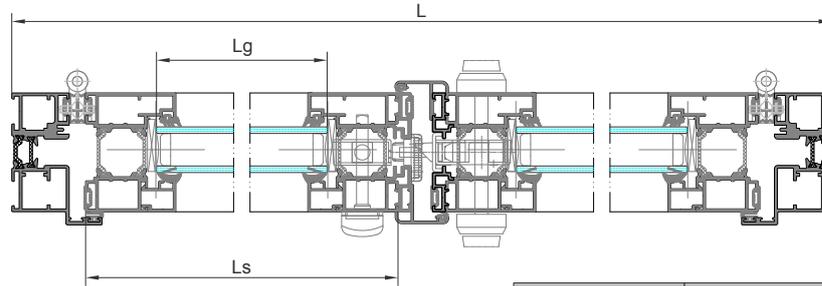
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 99
			Hg = Hs - 99

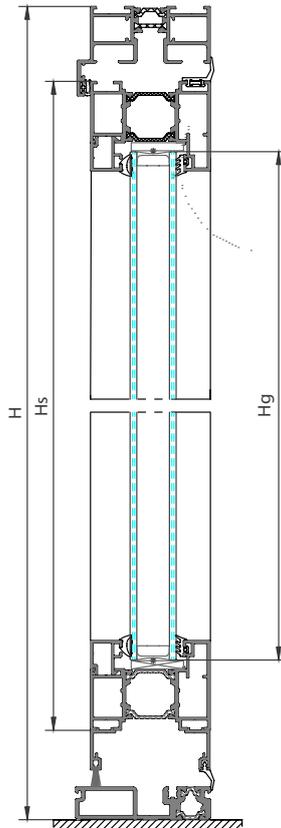
BF73 SYSTEM

Series 211 BF73.0103 threshold + BF73.0201 sash - Open out

SECTION A-A

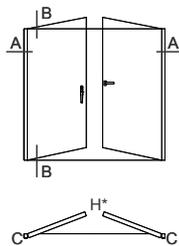


SECTION B-B



			
BF73.0103			x 1 L
BF73.0101			x 1 x 1R x 1L H-20
BF73.0201			x 4 x 4 $Ls^* = L/2 - 59.5$ $Hs = H - 101$
BF73.0803			x 4 $Ls + 8$
BF73.0601			x 4 x 4 $Hs - 111$ $Ls - 76.5$
BF73.0804			x 2 $Hs - 386$
BF73.0801			x 2 Hs
BF73.0802			x 2 Hs

DBA1-135N		$4Ls + 4Hs$
DBA1-136		$4Ls + 4Hs$



	120 Kgs.	$300 < Ls < 1200$ $1900 < Hs < 3000$
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	e=28mm	x 2	$Lg = Ls - 86$ $Hg = Hs - 86$
---	--------	-----	----------------------------------

DBA1-144		$L + 2H$
DBA1-131R		L
DBA1-132		4H
DBA1-137		2H
DBA1-141		L
DBA1-134		4H
DBA1-143		L

BF73 SYSTEM

Series 211 BF73.0101 threshold + BF73.0201 sash - Open out

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
H*		DBLK-50/RH	Lever latch lock kit - RH	1 ***
		DBLK-50/LH	Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder	Half cylinder 40/10	1 **
	40/40 Cylinder	Full cylinder 40/40		
	50/50 Cylinder	Full cylinder 50/50	1 @	

	DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
	DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
	DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 16
	DBA1-102		x 8

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 4

FIXING BLOCK		
	DBA1-105	x 1

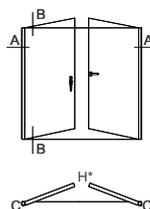
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides

*** According left or right opening hand

^ For doors up to 2.5m high

@ for Pas 24 - Switch to security hardware.



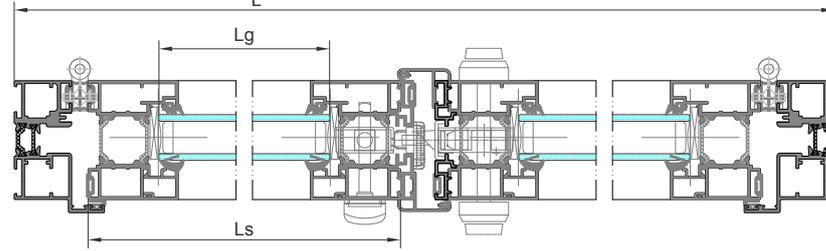
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 86
			Hg = Hs - 86

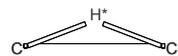
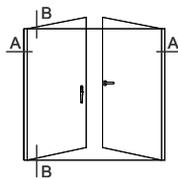
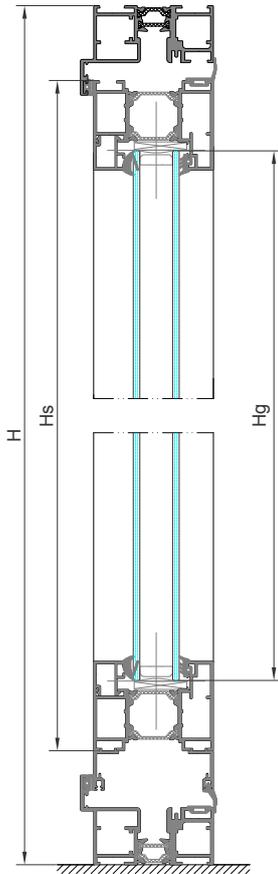
BF73 SYSTEM

Series 211 BF73.0101 threshold + BF73.0201 sash - Open out

SECTION A-A



SECTION B-B



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 86
			Hg = Hs - 86

BF73.0101			x 2	L
BF73.0101			x 2	H
BF73.0201			x 4	Ls* = L/2-59.5
BF73.0201			x 4	Hs = H-116
BF73.0803			x 4	Ls+8
BF73.0601			x 4	Hs - 111
BF73.0601			x 4	Ls - 76.5
BF73.0804			x 2	Hs -386
BF73.0801			x 2	Hs
BF73.0802			x 2	Hs

DBA1-135N		4Ls + 4Hs
DBA1-136		4Ls + 4Hs

DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		4H
DBA1-137		2H
DBA1-143		L
DBA1-134		L+4H

BF73 SYSTEM

Series 211 BF73.0101 threshold + BF73.0201 sash open out

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
H*		DBLK-50/RH	Lever latch lock kit - RH	1 ***
		DBLK-50/LH	Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder	Half cylinder 40/10	1 **
	40/40 Cylinder	Full cylinder 40/40	1 **	
	50/50 Cylinder	Full cylinder 50/50	1 @	
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 16
	DBA1-102		x 8

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 4

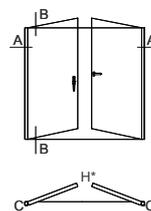
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides

*** According left or right opening hand

^ For doors up to 2.5m high

@ for Pas 24 - Switch to security hardware.



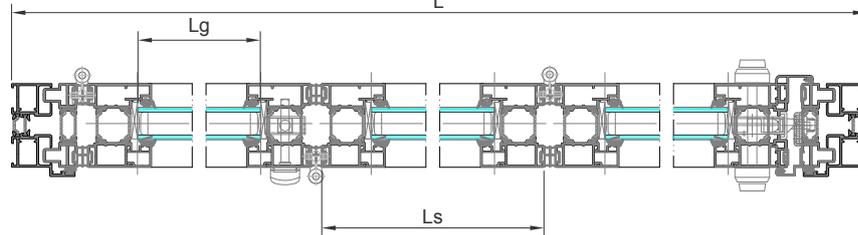
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 2	Lg = Ls - 86
			Hg = Hs - 86

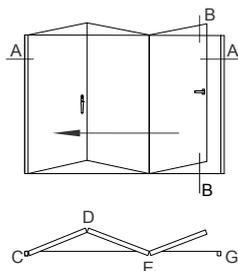
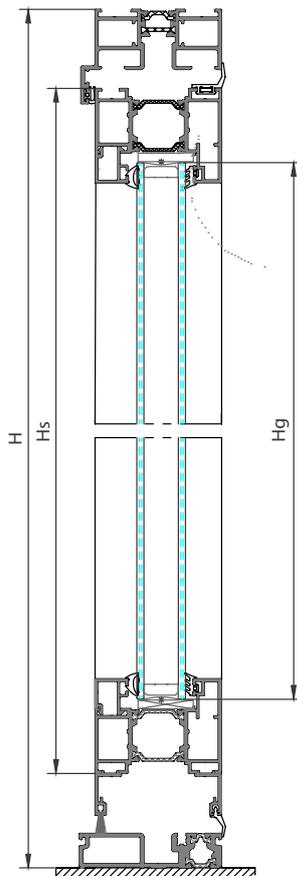
BF73 SYSTEM

Series 330 BF73.0103 threshold + BF73.0201 sash - Open out. With adjustable jamb

SECTION A-A



SECTION B-B



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

BF73.0103			x 1	L
BF73.0102			x 1	L
			x 1R x 1L	H-20
BF73.0201			x 6	Ls = L/3-54.5
			x 6	Hs = H-101
BF73.0803			x 4	Ls
			x 2	Ls + 8
BF73.0601			x 6	Hs - 111
			x 6	Ls - 76.5
BF73.0804			x 1	Hs + 24.5
BF73.0501			x 2	H - 56
DBPR-001			x 1	L - 115
BF73.0801			x 2	Hs
BF73.0805			x 1	H - 56

DBA1-135N		6Ls + 6Hs
DBA1-136		6Ls + 6Hs

DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		12H
DBA1-137		2H
DBA1-141		L
DBA1-134		2H
DBA1-143		L

BF73 SYSTEM

Series 330 BF73.0103 threshold + BF73.0201 sash - Open out. ith adjustable jamb

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
G		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBPC-02	Protec magnetic panel catch 60mm	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 24
	DBA1-102		x 12

END CAPS		
	DBA1-201	x 1
	DBA1-106	x6

FIXING BLOCK		
	DBA1-105	x 1
	DBA1-107	4x(H/500+1) @

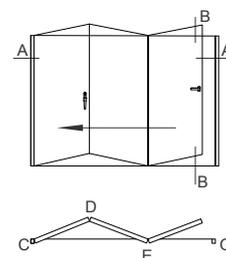
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

@ for Pas 24 - Switch to security hardware.

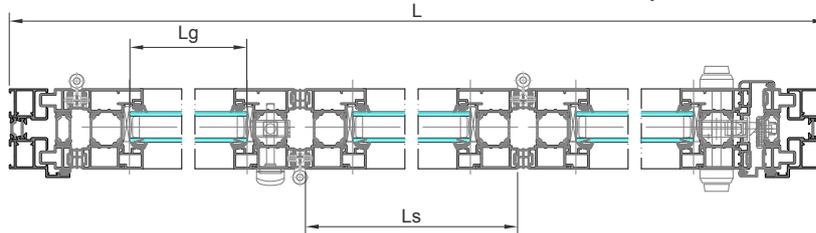


	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

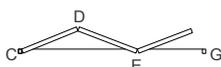
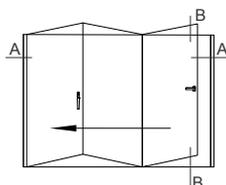
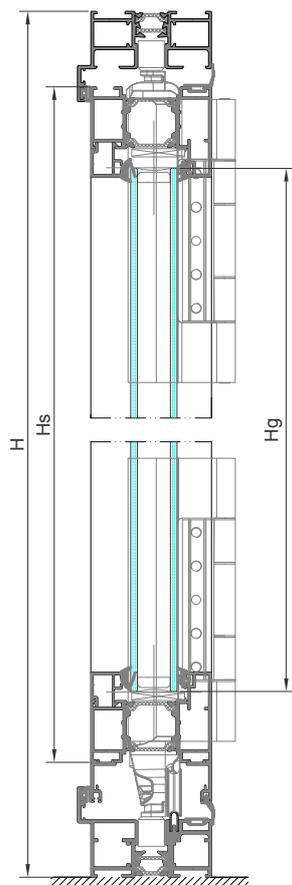
	e=28mm	x 3	Lg = Ls - 86
			Hg = Hs - 86

BF73 SYSTEM

SECTION A-A Series 330 BF73.0101 threshold + BF73.0201 sash - Open out. With adjustable jamb



SECTION B-B



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 3	Lg = Ls - 86
			Hg = Hs - 86

BF73.0101			x 1	L
BF73.0102			x 1	L
			x 2	H
BF73.0201			x 6	Ls = L/3-54.5
			x 6	Hs = H-116
BF73.0803			x 4	Ls
			x 2	Ls + 8
BF73.0601			x 6	Hs - 111
			x 6	Ls - 76.5
BF73.0804			x 1	Hs + 24.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0801			x 2	Hs
BF73.0805			x 1	H - 71

DBA1-135N		6Ls + 6Hs
DBA1-136		6Ls + 6Hs

DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		12H
DBA1-137		2H
DBA1-143		L
DBA1-134		L + 2H

BF73 SYSTEM

Series 330 BF73.0101 threshold + BF73.0201 sash - Open out. With adjustable jamb

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
	40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **	
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
G		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBPC-02	Protec magnetic panel catch 60mm	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 24
	DBA1-102		x 12

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 6

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @

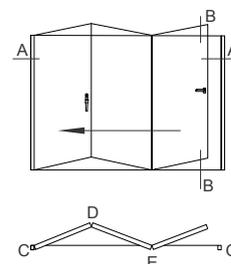
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

@ for Pas 24 - Switch to security hardware.



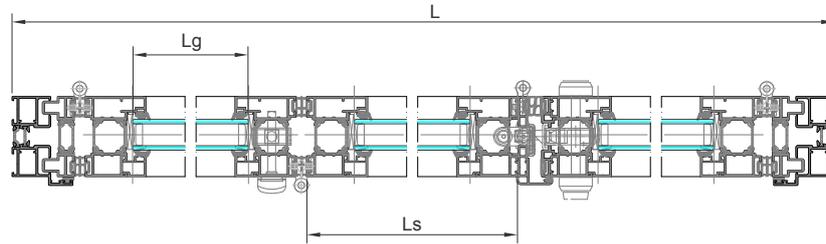
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 3	Lg = Ls - 86
			Hg = Hs - 86

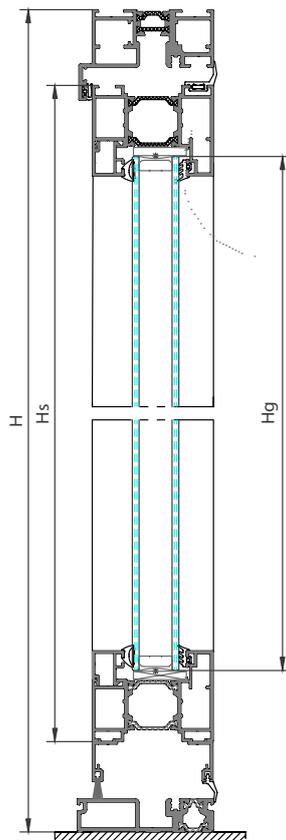
BF73 SYSTEM

Series 321 BF73.0103 threshold + BF73.0201 sash - Open out. With adjustable jamb and half roller

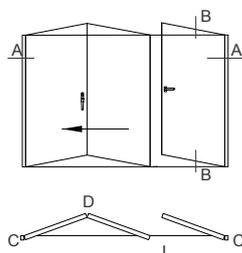
SECTION A-A



SECTION B-B



BF73.0103			x 1	L
BF73.0102			x 1	L
			x 1R x 1L	H-20
BF73.0201			x 6	$L_s = L/3 - 57.5$
			x 6	$H_s = H - 101$
BF73.0803			x 4	L_s
			x 2	$L_s + 8$
BF73.0601			x 6	$H_s - 111$
			x 6	$L_s - 76.5$
BF73.0804			x 1	$H_s + 24.5$
BF73.0501			x 2	H - 56
DBPR-001			x 1	L - 115
BF73.0801			x 2	H_s
BF73.0808			x 2	$H_s - 386$



	120 Kgs.	$300 < L_s < 1200$
		$1900 < H_s < 3000$

	e=28mm	x 3	$L_g = L_s - 86$
			$H_g = H_s - 86$

DBA1-135N		$6L_s + 6H_s$
DBA1-136		$6L_s + 6H_s$

DBA1-146		2H
DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		12H
DBA1-137		H
DBA1-141		L
DBA1-134		H
DBA1-143		L

BF73 SYSTEM

Series 321 BF73.0103 threshold + BF73.0201 sash - Open out. With adjustable jamb and half roller

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
J		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 4
			x 2
	BF73.0903K		x 24
			x 12

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 5

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @
	DBA1-105	x 1

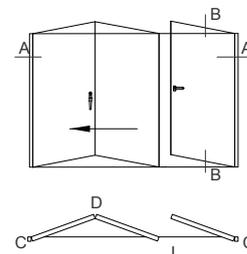
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

@ for Pas 24 - Switch to security hardware.



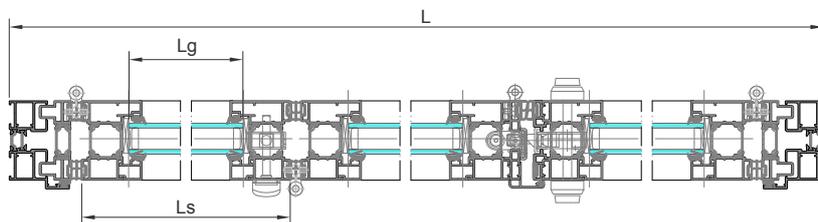
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 3	Lg = Ls - 86
			Hg = Hs - 86

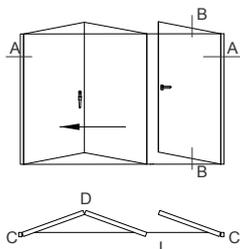
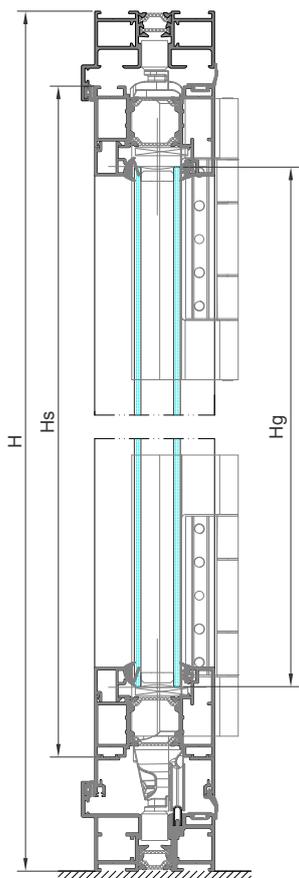
BF73 SYSTEM

Series 321 BF73.0101 threshold + BF73.0201 sash - Open out. With adjustable jamb and half roller

SECTION A-A



SECTION B-B



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 3	Lg = Ls - 86
			Hg = Hs - 86

BF73.0101			x 1	L
BF73.0102			x 1	L
			x 2	H
BF73.0201			x 6	Ls = L/3 - 57.5
			x 6	Hs = H - 116
BF73.0803			x 4	Ls
			x 2	Ls+8
BF73.0601			x 6	Hs - 111
			x 6	Ls - 76.5
BF73.0804			x 1	Hs + 24.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0801			x 2	Hs
BF73.0808			x 2	Hs - 386

DBA1-135N		6La + 6Ha
DBA1-136		6La + 6Ha

DBA1-146		2H
DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		12H
DBA1-137		H
DBA1-143		L
DBA1-134		L + H

BF73 SYSTEM

Series 321 BF73.0103 threshold + BF73.0201 sash - Open out. With adjustable jamb and half roller

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
J		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 24
	DBA1-102		x 12

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 5

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @

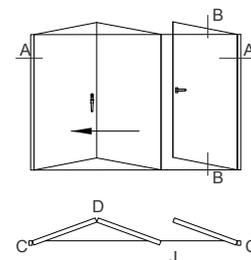
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

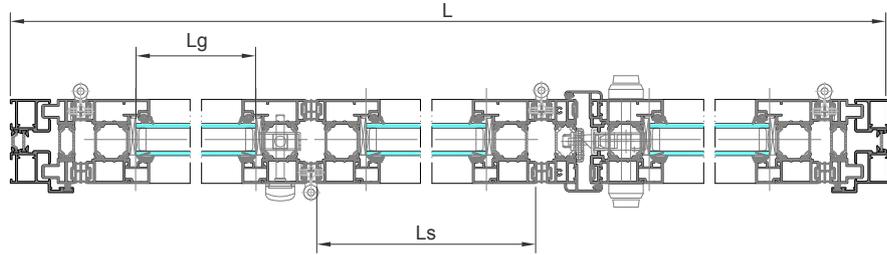
@ for Pas 24 - Switch to security hardware.



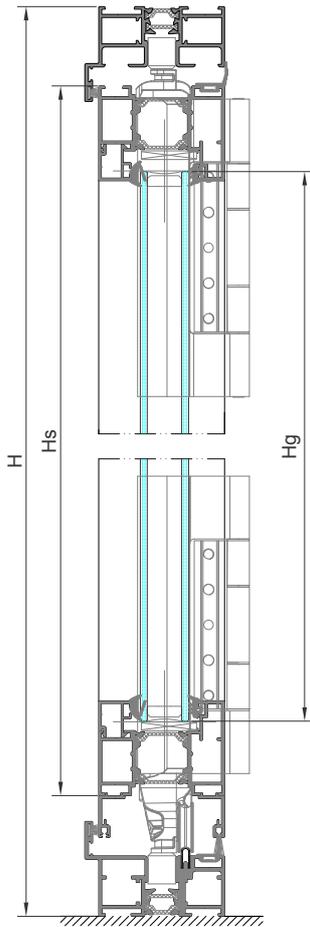
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 3	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A

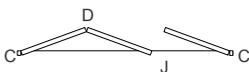
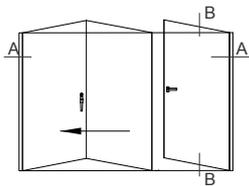


SECTION B-B



BF73.0101			x 1	L
BF73.0102			x 1	L
			x 2	H
BF73.0201			x 6	$Ls = L/3 - 66.2$
			x 6	$Hs = H - 116$
BF73.0803			x 4	Ls
			x 2	Ls+8
			x 2	25
BF73.0601			x 6	Hs - 111
			x 6	Ls - 76.5
BF73.0804			x 2	Hs + 24.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0801			x 2	Hs
BF73.0502			x 1	Hs

DBA1-135N		6La + 6Ha
DBA1-136		6La + 6Ha



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

BF73 SYSTEM

Series 321 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

DBA1-140		2L + 2H
DBA1-131R		L
DBA1-132		16H
DBA1-137		2H

Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10 DBCY-40/40	Half cylinder 40/10 Full cylinder 40/40	1 **

J		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 *** @
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBA1-350N	Standard hinge	2 *
		DBCY-50/50	Full cylinder 50/50	1 @
		DBA1-353N	Sliding post bottom roller	1
		DBA1-354N	Sliding post top guide	1

		DBS-04	Lock cover screw M5 x 10 for DBLK-26	2
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 321 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

	BF73.0902K		x 8
	DBA1-100		x 4
	BF73.0903K		x 24
	DBA1-102		x 12

	DBA1-201	x 2
	DBA1-106	x 6
	DBA1-103N/LH DBA1-103N/RH	x 1***

	DBA1-107	4 x (H/500 + 1)
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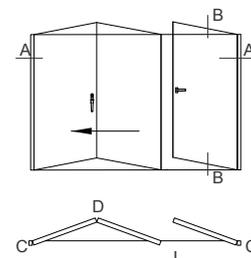
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

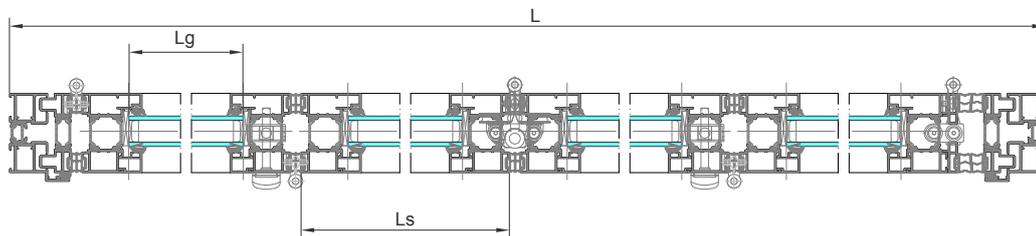
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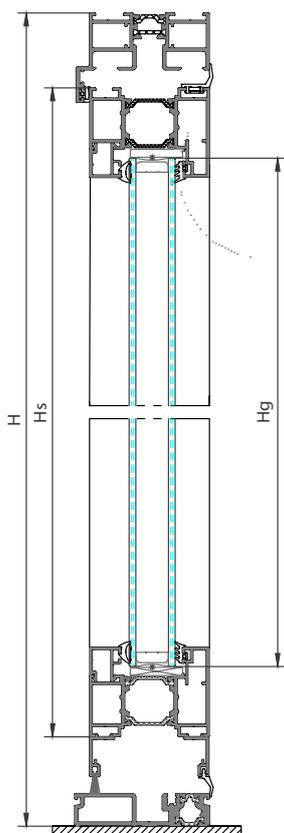
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 3	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B

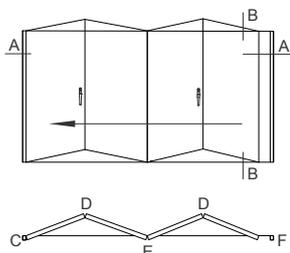


				
BF73.0103			x 1	L
BF73.0102			x 1 x 1R x 1L	H-20
BF73.0201			x 8	Ls = L/4-46.4
BF73.0803			x 8	Hs = H-101
BF73.0601			x 8	Hs - 111
BF73.0501			x 8	Ls - 76.5
BF73.0501			x 2	H - 56
DBPR-001			x 1	L - 115
BF73.0808			x 2	Hs - 386

BF73 SYSTEM

Series 440 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

DBA1-145		4H
DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		16H
DBA1-141		L
DBA1-143		L

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
F		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 440 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and half roller

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 32
	DBA1-102		x 16

END CAPS		
	DBA1-106	x 7

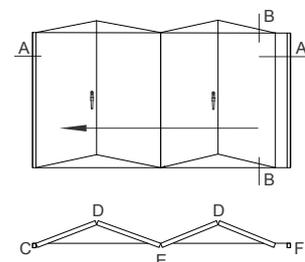
FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1) @
x4	DBA1-105	x 1

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

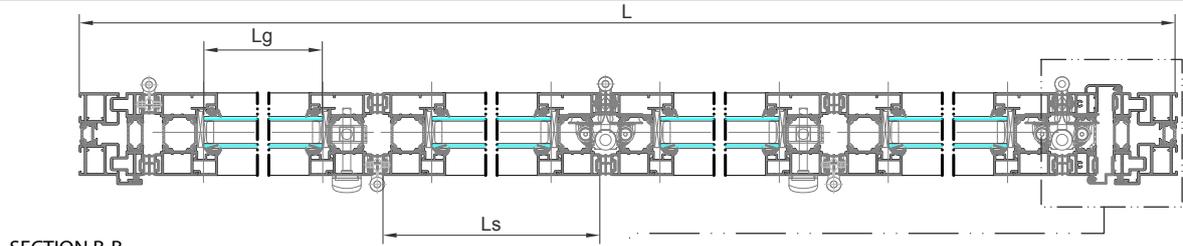
*** According left or right opening hand.

@ for Pas 24 - Switch to security hardware.

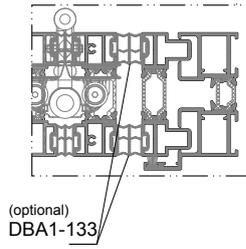
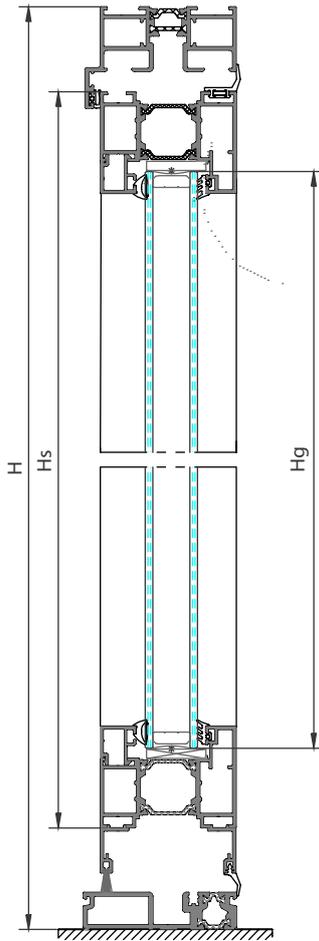


	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86



SECTION B-B



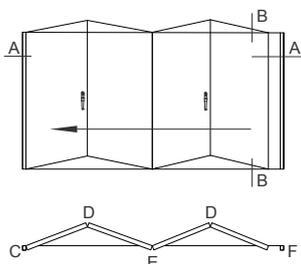
BF73.0103		x 1	L
BF73.0102		x 1	L
		x 1R x 1L	H-20
BF73.0201		x 8	Ls = L/4-50.6
		x 8	Hs = H-101
BF73.0803		x 8	Ls
		x 2	25
BF73.0601		x 8	Hs - 111
		x 8	Ls - 76.5
BF73.0804		x 1	Hs + 24.5
BF73.0501		x 2	H - 56
BF73.0805		x 1	H - 56
BF73.0502		x 1	Hs
DBPR-001		x 1	L - 115

BF73 SYSTEM

Series 440 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and sliding post

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

DBA1-140		L + 2H
DBA1-131R		L
DBA1-132		20H
DBA1-137		2H
DBA1-134		2H
DBA1-141		2L

Change in case of option 2

DBA1-140		2L + 2H
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HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
		DBA1-355N	Pull handle hinge open out	1
D		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10	Half cylinder 40/10	1 **
		DBCY-40/40	Full cylinder 40/40	
	E		DBA1-350N	Standard hinge
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
F		DBA1-350N	Standard hinge	2 *
		DBA1-353N	Sliding post bottom roller	1
		DBA1-354N	Sliding post top guide	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 440 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and sliding post

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 32
	DBA1-102		x 16

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 9
	DBA1-103N/LH DBA1-103N/RH	x 1***

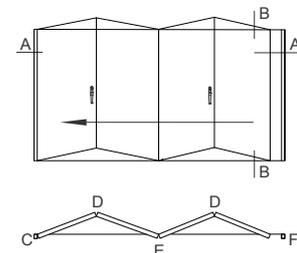
FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1)
x4	DBA1-105	x 1

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand.

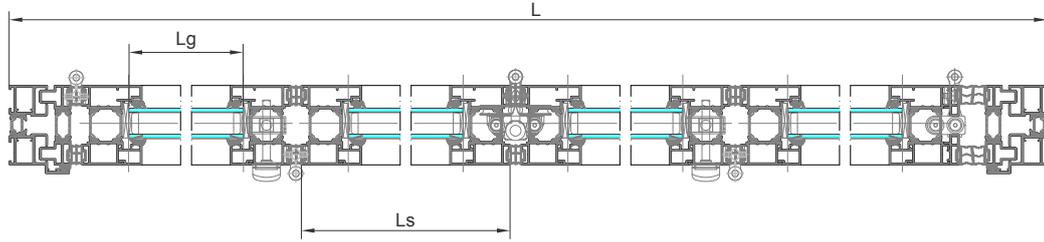
@ for Pas 24 - Switch to security hardware.



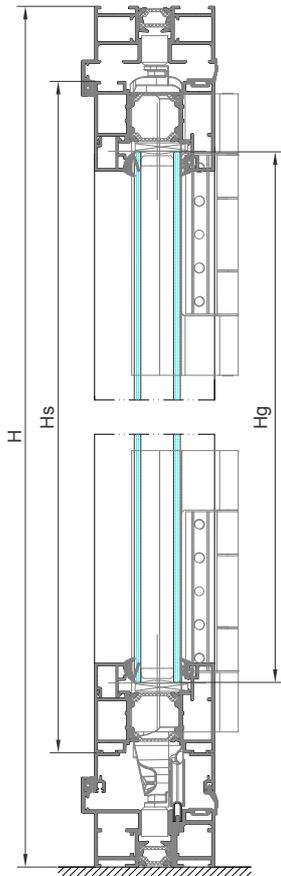
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B



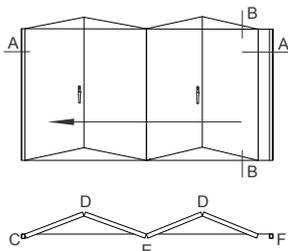
				
BF73.0101			x 1	L
BF73.0102			x 1	L
BF73.0201			x 2	H
			x 8	Ls = L/4-46.4
BF73.0803			x 8	Hs = H-116
			x 8	Ls
BF73.0601			x 8	Hs - 111
			x 8	Ls - 76.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0808			x 2	Hs - 386

BF73 SYSTEM

Series 440 BF73.0101 threshold + BF73.0201 sash - Open out

With adjustable jamb and half roller

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

DBA1-145		4H
DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		16H
DBA1-143		L
DBA1-134		L + 2H

Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
F		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 440 BF73.0101 threshold + BF73.0201 sash - Open out

With adjustable jamb and half roller

	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 32
	DBA1-102		x 16

	DBA1-106	x 7
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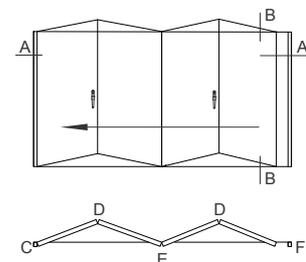
	DBA1-107	4 x (H/500 + 1) @
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* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand.

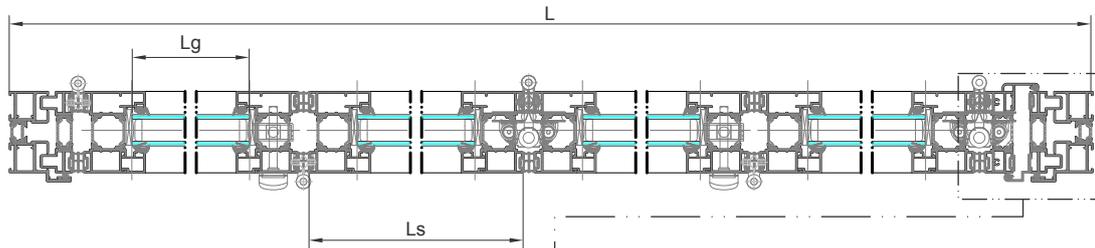
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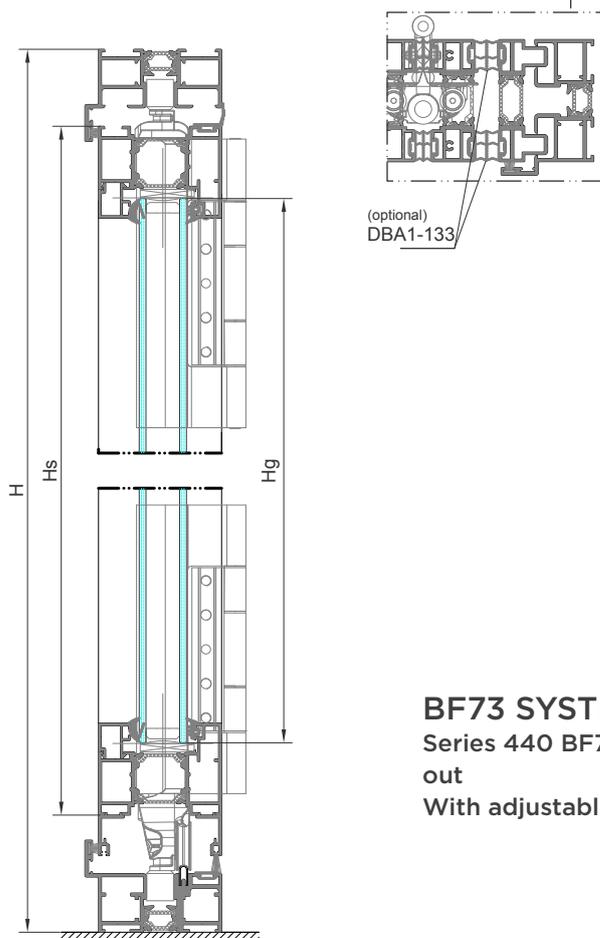
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B



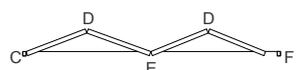
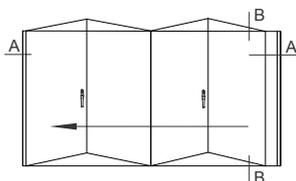
			
BF73.0101			x 1 L
BF73.0102			x 1 L
			x 2 H
BF73.0201			x 8 Ls = L/4-50.6
			x 8 Hs = H-116
BF73.0803			x 8 Ls
			x 2 25
BF73.0601			x 8 Hs - 111
			x 8 Ls - 76.5
BF73.0804			x 1 Hs + 24.5
BF73.0501			x 2 H - 71
BF73.0805			x 1 H - 71
BF73.0502			x 1 Hs
DBPR-001			x 1 L - 115

BF73 SYSTEM

Series 440 BF73.0101 threshold + BF73.0201 sash - Open out

With adjustable jamb and sliding post

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

DBA1-140		2L + 2H
DBA1-131R		L
DBA1-132		20H
DBA1-137		2H
DBA1-141		L
DBA1-134		L + 2H

Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10 DBCY-40/40	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
F		DBA1-350N	Standard hinge	2 *
		DBA1-353N	Sliding post bottom roller	1
		DBA1-354N	Sliding post top guide	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 440 DBE-001 threshold + DBE-102 sash open out
With adjustable jamb and sliding post

	BF73.0902K		x 8
		DBA1-102	x 4
	BF73.0903K		x 32
		DBA1-102	x 16

	DBA1-201	x 1
	DBA1-106	x 9
	DBA1-103N/LH DBA1-103N/RH	x 1***

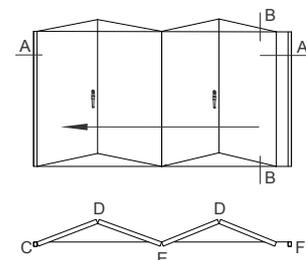
	DBA1-107	4 x (H/500 + 1)
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* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand.

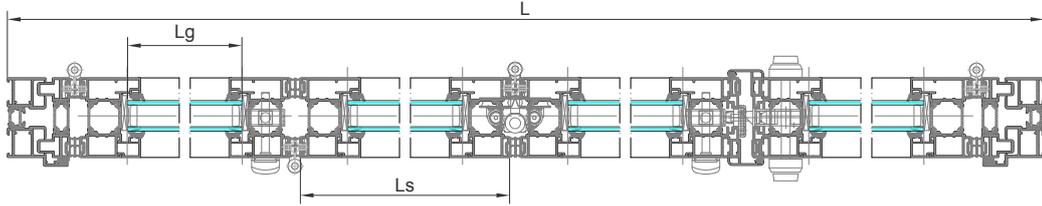
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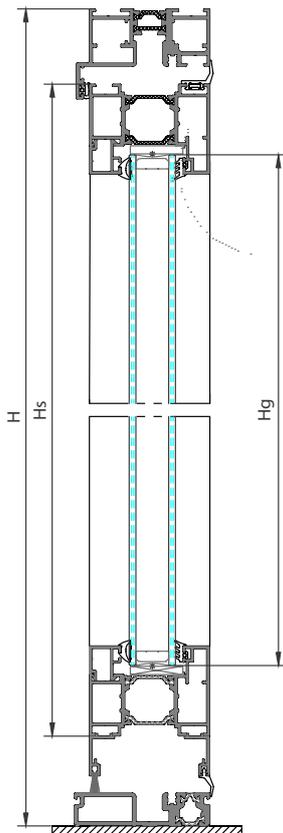
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B

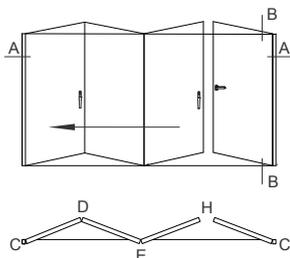


BF73.0103			x 1 L
BF73.0102			x 1 L
			x 1R x 1L H-20
BF73.0201			x 8 Ls = L/4-45.4
			x 8 Hs = H-101
BF73.0803			x 4 Ls
			x 4 Ls+8
BF73.0601			x 8 Hs - 111
			x 8 Ls - 76.5
BF73.0804			x 2 Hs + 24.5
BF73.0501			x 2 H - 56
DBPR-001			x 1 L - 115
BF73.0801			x 2 Hs
BF73.0802			x 2 Hs

BF73 SYSTEM

Series 431 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		16H
DBA1-137		2H
DBA1-134		2H
DBA1-143		L
DBA1-141		L

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
H		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBPC-01	Protec magnetic panel catch 26mm	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 431 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 32
	DBA1-102		x 16

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 8

FIXING BLOCK		
x4	DBA1-105	x 1
	DBA1-107	4x(H/500+1) @

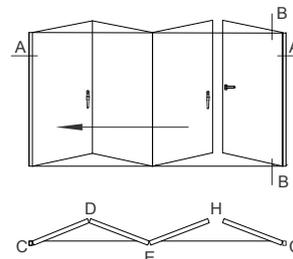
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

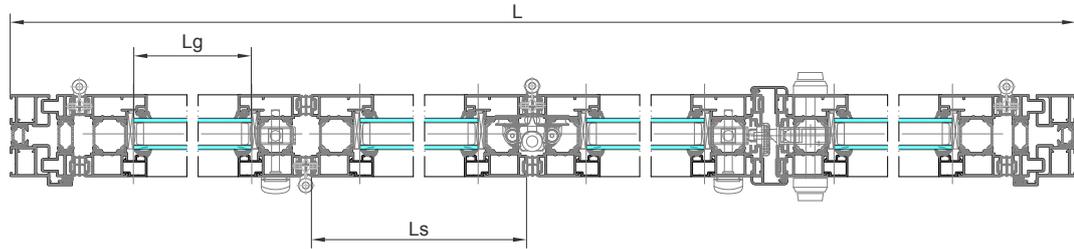
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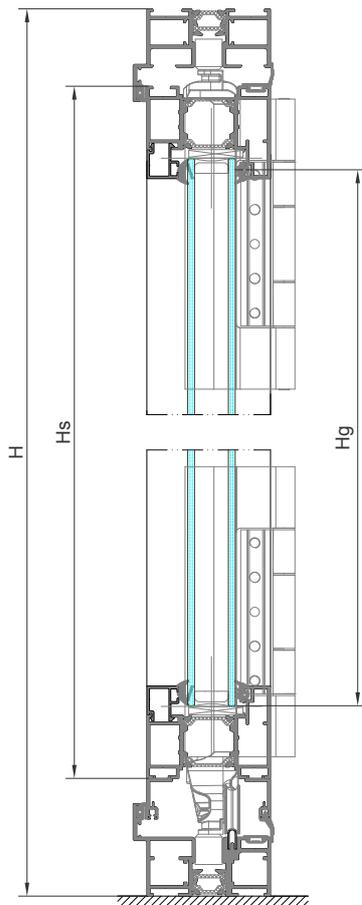
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B

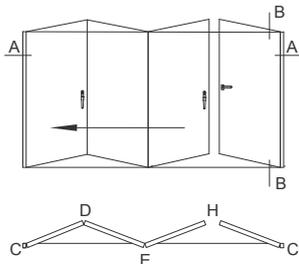


				
BF73.0101			x 1	L
BF73.0102			x 1	L
			x 2	H
BF73.0201			x 8	$Ls = L/4 - 45.4$
			x 8	$Hs = H - 116$
BF73.0803			x 4	Ls
			x 4	Ls+8
BF73.0601			x 8	Hs - 111
			x 8	Ls - 76.5
BF73.0804			x 2	Hs + 24.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0801			x 2	Hs
BF73.0802			x 2	Hs

BF73 SYSTEM

Series 431 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		16H
DBA1-137		2H
DBA1-143		L
DBA1-134		L + 2H

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
H		DBLK-50/RH/Kit	Lever latch lock kit - RH	1 ***
		DBLK-50/LH/Kit	Lever latch lock kit - LH	
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10	Half cylinder 40/10	1 **
		DBCY-40/40	Full cylinder 40/40	
	50/50 Cylinder	Full cylinder 50/50	1 @	
	DBPC-01	Protec magnetic panel catch 26mm	1	
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 431 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 32
	DBA1-102		x 16

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 8

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @

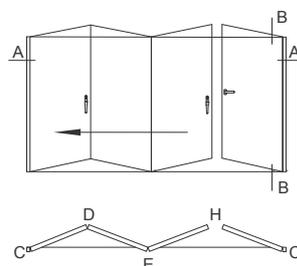
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

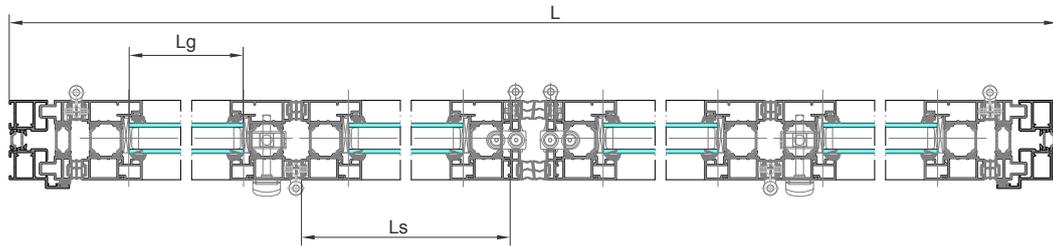
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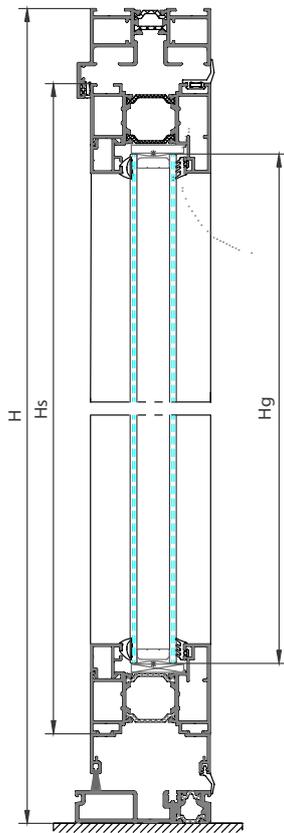
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B



				
BF73.0103			x 1	L
BF73.0102			x 1	L
			x 1R x 1L	H-20
BF73.0201			x 8	Ls = L/4-48.6
			x 8	Hs = H-101
BF73.0803			x 8	Ls
BF73.0601			x 8	Hs - 111
			x 8	Ls - 76.5
BF73.0501			x 2	H - 56
DBPR-001			x 1	L - 115
BF73.0808			x 4	Hs - 386

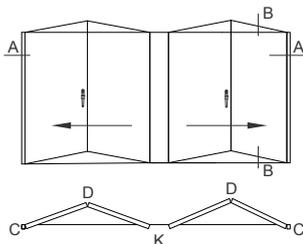
BF73 SYSTEM

Series 422 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and half roller

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs

DBA1-145		4H
DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		16H
DBA1-141		L
DBA1-143		L



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
K		DBA1-357/RH	Bottom half roller with fixings (Right Hand)	1
		DBA1-357/LH	Bottom half roller with fixings (Left Hand)	1
		DBA1-358/RH	Top half guide with fixings (Right Hand)	1
		DBA1-358/LH	Top half guide with fixings (Left Hand)	1
		DBA1-119	Half Roller Add-on Kit	2
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 422 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and half roller

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 32
	DBA1-102		x 16

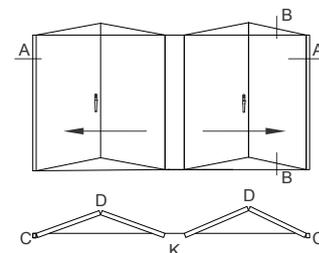
END CAPS		
	DBA1-106	x 6

FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1) @
x4 	DBA1-105	x 1

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

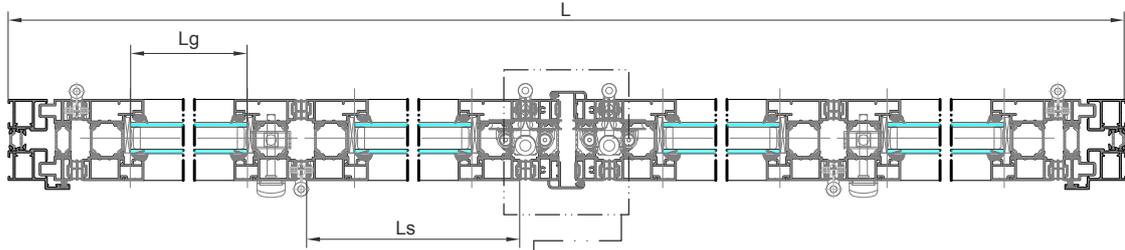
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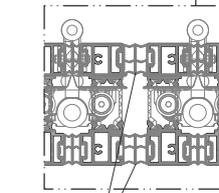
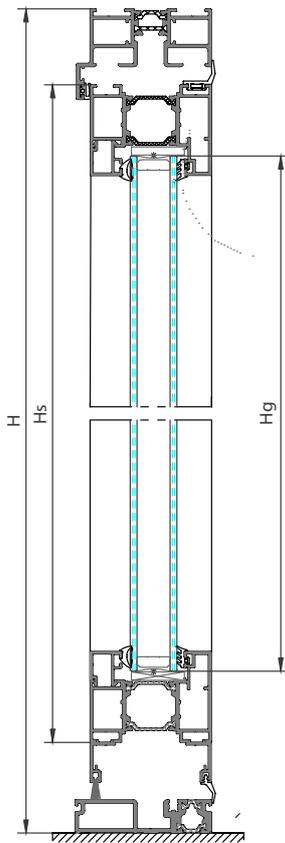
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B



(optional)
DBA1-133

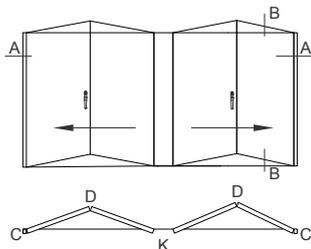
				
BF73.0103			x 1	L
BF73.0102			x 1	L
			x 1R x 1L	H-20
BF73.0201			x 8	$Ls = L/4 - 59.4$
			x 8	$Hs = H - 101$
BF73.0803			x 8	Ls
			x 4	25
BF73.0601			x 8	$Hs - 111$
			x 8	$Ls - 76.5$
BF73.0804			x 2	$Hs + 24.5$
BF73.0501			x 2	$H - 56$
DBPR-001			x 1	$L - 115$
BF73.0502			x 2	Hs

BF73 SYSTEM

Series 422 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and sliding post

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	$Lg = Ls - 86$
			$Hg = Hs - 86$

DBA1-140		L + 2H
DBA1-131R		L
DBA1-132		24H
DBA1-137		2H
DBA1-134		2H
DBA1-141		2L

Change in case of option 3

DBA1-140		2L + 2H
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HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10	Half cylinder 40/10	1 **
		DBCY-40/40	Full cylinder 40/40	
K		DBA1-350N	Standard hinge	4 *
		DBA1-353N	SLIDING POST BOTTOM ROLLER	2
		DBA1-354N	SLIDING POST TOP GUIDE	2
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 32
	DBA1-102		x 16

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 10
	DBA1-103N/RH	x 1
	DBA1-103N/LH	x 1

FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1)
x4 	DBA1-105	x 1

* Number of hinges according sash dimensions.

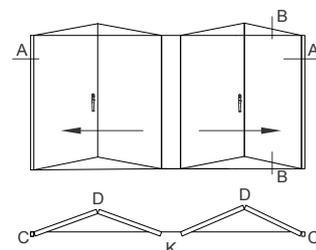
** It is possible to install handle with key on one or both sides.

BF73 SYSTEM

Series 422 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and sliding post

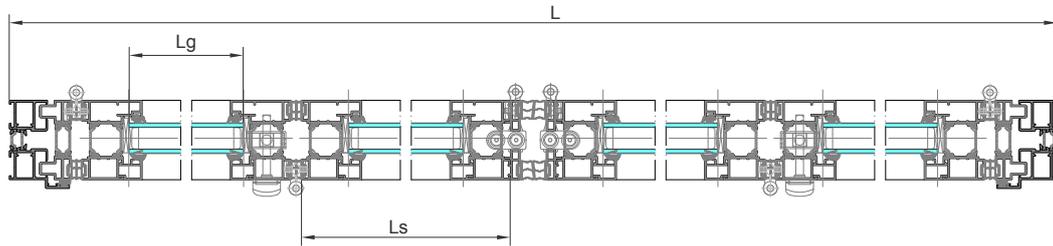
@ for Pas 24 - Switch to security hardware.



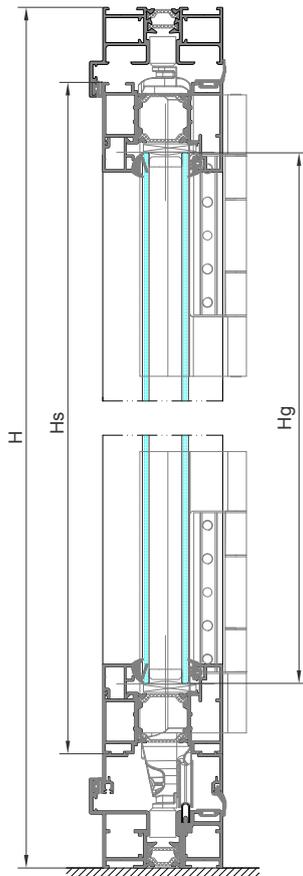
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B

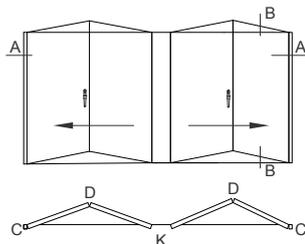


				
BF73.0101			x 1	L
BF73.0102			x 1	L
			x 2	H
BF73.0201			x 8	$Ls = L/4 - 48.6$
			x 8	$Hs = H - 116$
BF73.0803			x 8	Ls
BF73.0601			x 8	$Hs - 111$
			x 8	$Ls - 76.5$
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0808			x 4	$Hs - 386$

BF73 SYSTEM

Series 422 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	$Lg = Ls - 86$
			$Hg = Hs - 86$

DBA1-145		4H
DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		16H
DBA1-143		L
DBA1-134		L

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
K		DBA1-357/RH	Bottom half roller with fixings (Right Hand)	1
		DBA1-357/LH	Bottom half roller with fixings (Left Hand)	1
		DBA1-358/RH	Top half guide with fixings (Right Hand)	1
		DBA1-358/LH	Top half guide with fixings (Left Hand)	1
		DBA1-119	Half Roller Add-on Kit	2
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 422 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 32
	DBA1-102		x 16

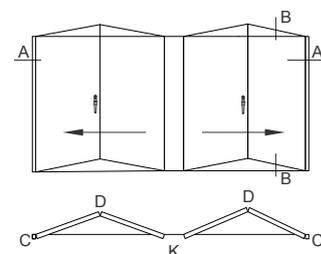
END CAPS		
	DBA1-106	x 6

FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1) @

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

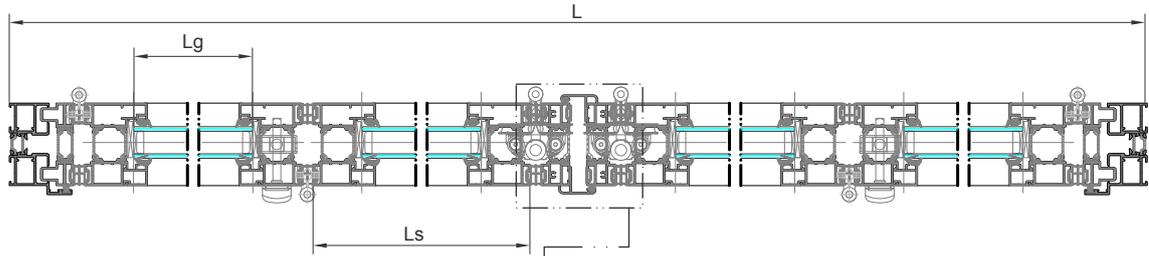
@ for Pas 24 - Switch to security hardware.



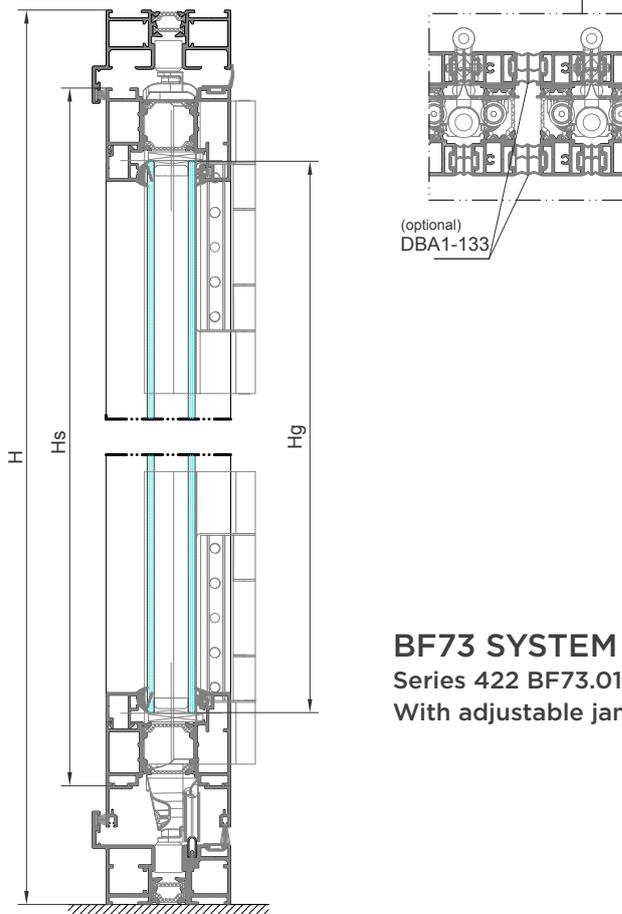
	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B

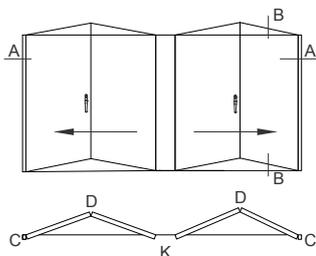


				
BF73.0101			x 1	L
BF73.0102			x 1	L
			x 2	H
BF73.0201			x 8	$L_s = L/4 - 59.4$
			x 8	$H_s = H - 116$
BF73.0803			x 8	L_s
			x 4	25
BF73.0601			x 8	$H_s - 111$
			x 8	$L_s - 76.5$
BF73.0804			x 2	$H_s + 24.5$
BF73.0501			x 2	$H - 71$
DBPR-001			x 1	$L - 115$
BF73.0502			x 2	H_s

BF73 SYSTEM

Series 422 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

DBA1-135N		8Ls + 8Hs
DBA1-136		8Ls + 8Hs



	120 Kgs.	750 < L_s < 1200
		1900 < H_s < 3000

	e=28mm	x 4	$L_g = L_s - 86$
			$H_g = H_s - 86$

DBA1-140		2L + 2H
DBA1-131R		L
DBA1-132		24H
DBA1-137		2H
DBA1-141		L
DBA1-134		L + 2H

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/8mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10	Half cylinder 40/10	1 **
		DBCY-40/40	Full cylinder 40/40	
	K		DBA1-353N	SLIDING POST BOTTOM ROLLER
		DBA1-354N	SLIDING POST TOP GUIDE	2
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 422 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 32
	DBA1-102		x 16

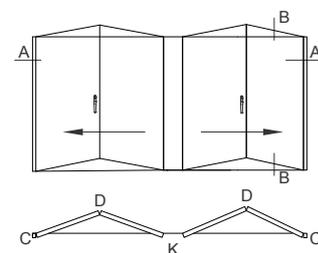
END CAPS		
	DBA1-201	x 2
	DBA1-106	x 10
	DBA1-103N/RH	x 1
	DBA1-103N/LH	x 1

FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1)

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

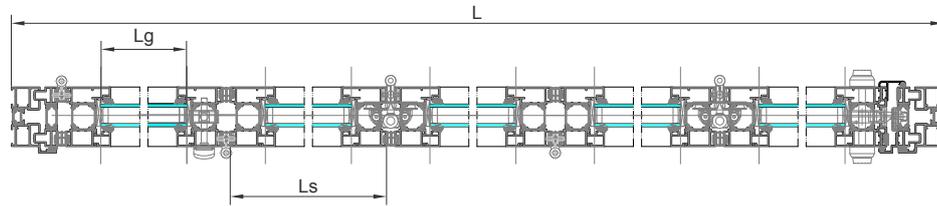
@ for Pas 24 - Switch to security hardware.



	120 Kgs.	750 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 4	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A

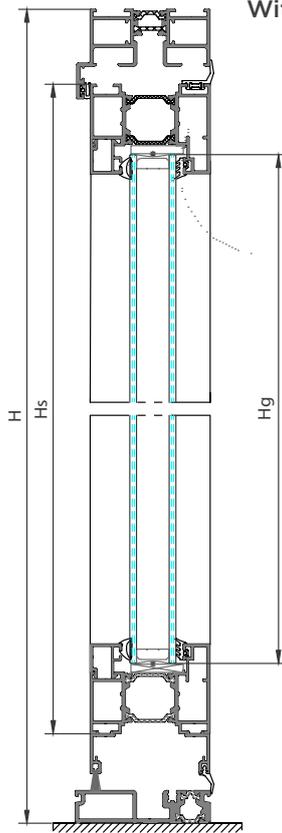


BF73 SYSTEM

Series 550 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb

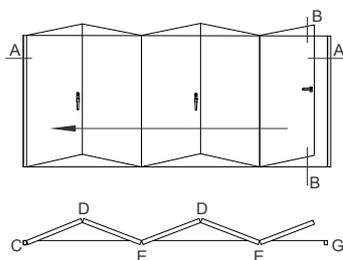
SECTION B-B



BF73.0103			x 1	L
BF73.0102			x 1	L
			x 1R x 1L	H-20
BF73.0201			x 10	$L_s = L/5 - 36.7$
			x 10	$H_s = H - 101$
BF73.0803			x 8	L_s
			x 2	$L_s + 8$
BF73.0601			x 10	$H_s - 111$
			x 10	$L_s - 76.5$
BF73.0804			x 1	$H_s + 24.5$
BF73.0501			x 2	H - 56
DBPR-001			x 1	L - 115
BF73.0801			x 2	H_s
BF73.0805			x 1	H - 56

DBA1-135N		$10L_s + 10H_s$
DBA1-136		$10L_s + 10H_s$

DBA1-144		$L + 2H$
DBA1-131R		L
DBA1-132		20H
DBA1-137		2H
DBA1-134		2H
DBA1-141		L
DBA1-143		L



	120 Kgs.	$300 < L_s < 1200$
		$1900 < H_s < 3000$

	e=28mm	x 5	$L_g = L_s - 86$
			$H_g = H_s - 86$

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
G		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		432010	Alulock Lock Kit	1 ^
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBPC-02	Protec magnetic panel catch 60mm	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 550 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 1
	DBA1-106	x10

FIXING BLOCK		
	DBA1-105	x 1
	DBA1-107	4x(H/500+1)@

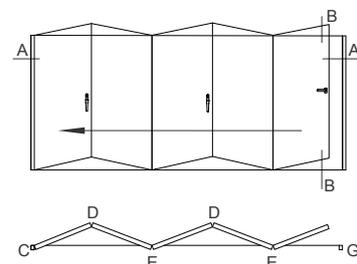
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

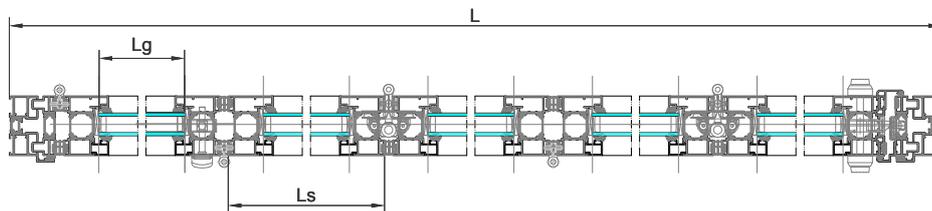
@ for Pas 24 - Switch to security hardware.



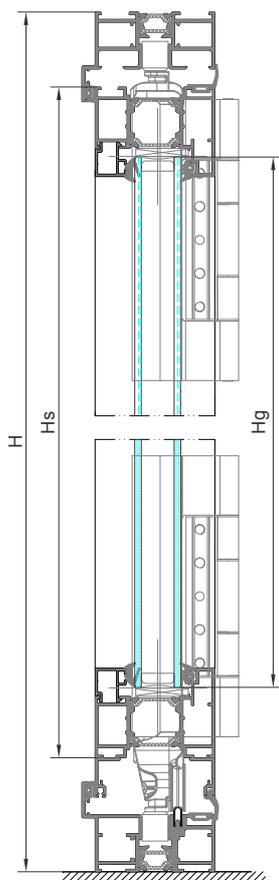
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B



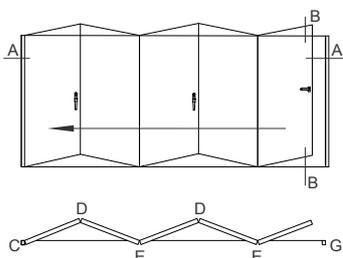
BF73 SYSTEM

Series 550 BF73.0101 threshold + BF73.0201 sash - Open out

With adjustable jamb

BF73.0101			x 1	L	
BF73.0102			x 1	L	
BF73.0201			x 2	H	
			x 10	$Ls = L/5 - 36.7$	
BF73.0803			x 10	$Hs = H - 116$	
			x 8	Ls	
BF73.0601			x 2	$Ls + 8$	
			x 10	$Hs - 111$	
BF73.0804			x 10	$Ls - 76.5$	
			x 1	$Hs + 24.5$	
BF73.0501			x 2	$H - 71$	
DBPR-001			x 1	$L - 115$	
BF73.0801			x 1	Hs	
BF73.0805			x 1	$H - 71$	

DBA1-135N		$10Ls + 10Hs$
DBA1-136		$10Ls + 10Hs$



	120 Kgs.	$300 < Ls < 1200$
		$1900 < Hs < 3000$

	$e=28mm$	x 5	$Lg = Ls - 86$
			$Hg = Hs - 86$

DBA1-144		$2L + 2H$
DBA1-131R		L
DBA1-132		20H
DBA1-137		2H
DBA1-143		L
DBA1-134		$L + 2H$

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
G		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBPC-02	Protec magnetic panel catch 60mm	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 10

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @

* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

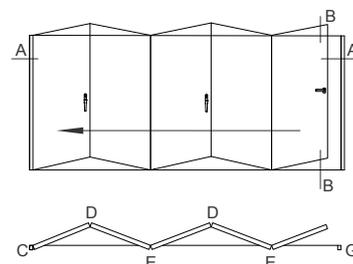
*** According left or right opening hand

^ For doors up to 2.5m high

@ for Pas 24 - Switch to security hardware.

BF73 SYSTEM

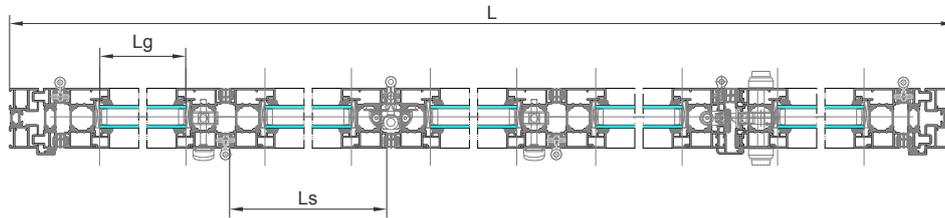
Series 550 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb



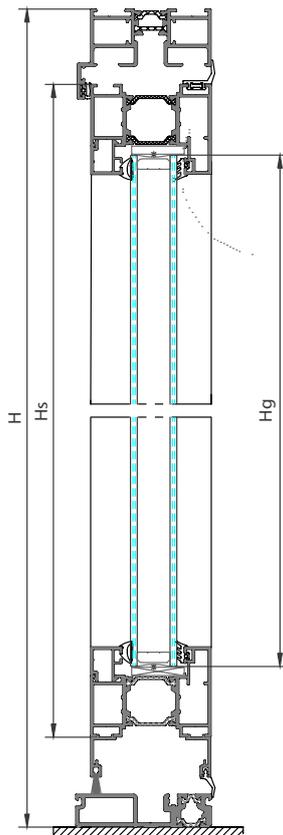
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



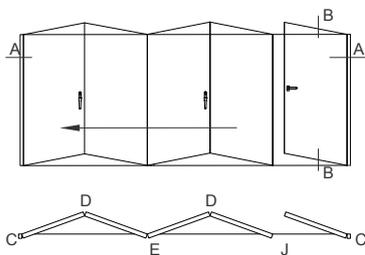
SECTION B-B



			
BF73.0103		x 1	L
BF73.0102		x 1	L
BF73.0201		x 1R x 1L	H-20
		x 10	Ls = L/5-38.5
BF73.0803		x 10	Hs = H-101
		x 8	Ls
		x 2	Ls+8
BF73.0601		x 2	25
		x 10	Hs - 111
BF73.0804		x 10	Ls - 76.5
		x 1	Hs + 24.5
BF73.0501		x 2	H - 56
DBPR-001		x 1	L - 115
BF73.0801		x 2	Hs
BF73.0808		x 2	Hs - 386

BF73 SYSTEM

Series 541 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

DBA1-135N		10Ls + 10Hs
DBA1-136		10Ls + 10Hs

DBA1-146		2H
DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		20H
DBA1-137		H
DBA1-134		H
DBA1-141		L
DBA1-143		L

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
J		DBLK-50/RH/Kit	Lever latch lock kit - RH	1 ***
		DBLK-50/LH/Kit	Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 541 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 9

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @
	DBA1-105	x 1

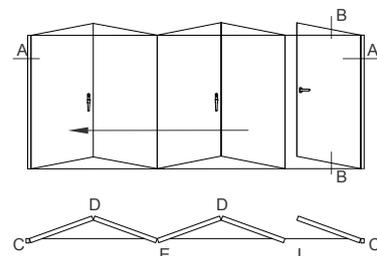
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

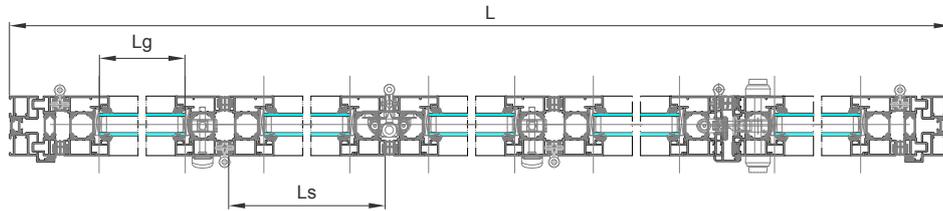
@ for Pas 24 - Switch to security hardware.



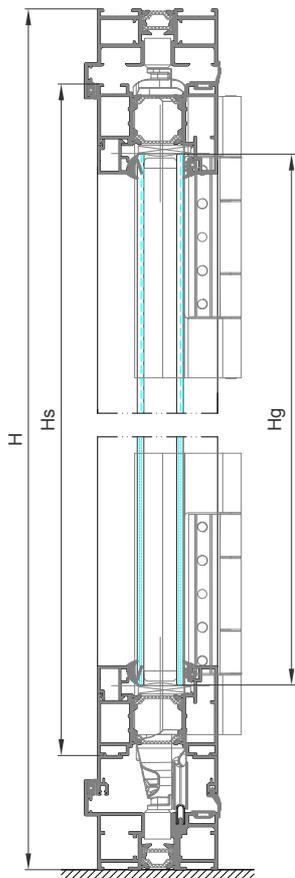
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



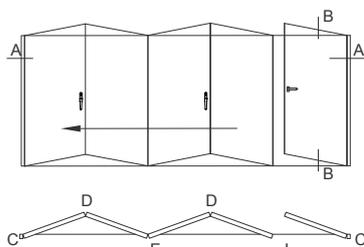
SECTION B-B



				
BF73.0101			x 1	L
BF73.0102			x 1	L
BF73.0201			x 2	H
			x 10	$L_s = L/5 - 38.5$
BF73.0803			x 10	$H_s = H - 116$
			x 8	L_s
BF73.0601			x 2	$L_s + 8$
BF73.0804			x 10	$H_s - 111$
			x 10	$L_s - 76.5$
BF73.0801			x 1	$H_s + 24.5$
BF73.0501			x 2	$H - 71$
DBPR-001			x 1	$L - 115$
BF73.0801			x 2	H_s
BF73.0808			x 2	$H_s - 386$

BF73 SYSTEM

Series 541 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller



	120 Kgs.	$300 < L_s < 1200$
		$1900 < H_s < 3000$

	e=28mm	x 5	$L_g = L_s - 86$
			$H_g = H_s - 86$

DBA1-135N		$10L_s + 10H_s$
DBA1-136		$10L_s + 10H_s$

DBA1-146		2H
DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		20H
DBA1-137		H
DBA1-143		L
DBA1-134		L + H

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
J		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 *** @
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 541 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 9

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @

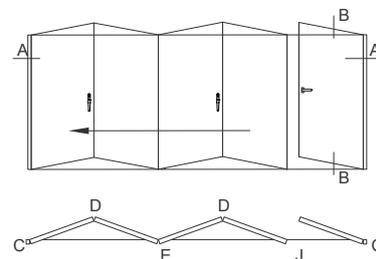
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

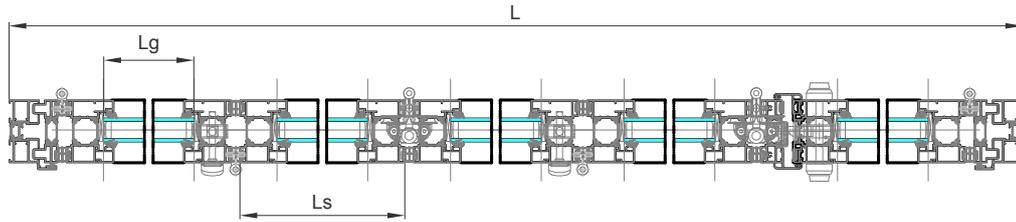
@ for Pas 24 - Switch to security hardware.



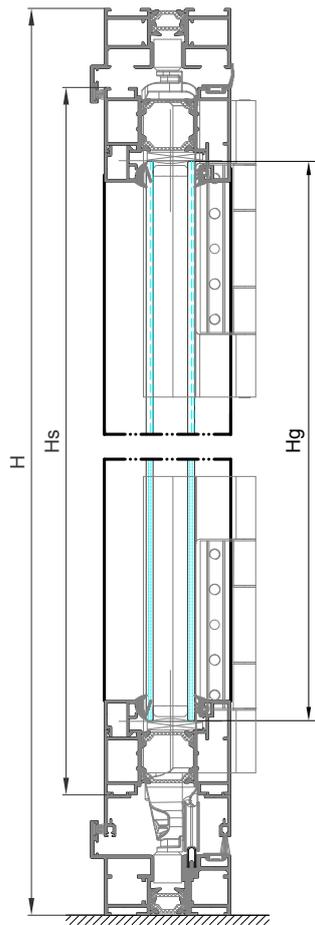
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B

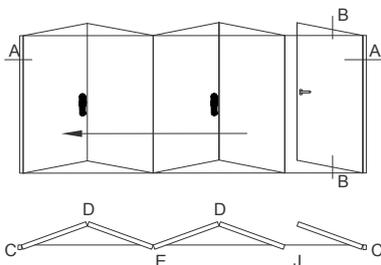


BF73.0101			x 1	L
BF73.0102			x 1	L
BF73.0201			x 2	H
			x 10	Ls = L/5-43.7
BF73.0803			x 8	Ls
			x 2	Ls+8
BF73.0601			x 2	25
			x 10	Hs - 116
BF73.0804			x 10	Hs - 111
			x 10	Ls - 76.5
BF73.0501			x 2	Hs + 24.5
DBPR-001			x 2	H - 71
BF73.0801			x 1	L - 115
BF73.0502			x 2	Hs
BF73.0502			x 1	Hs

BF73 SYSTEM

Series 541 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

DBA1-135N		10Ls + 10Hs
DBA1-136		10Ls + 10Hs



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

DBA1-140		2L + 2H
DBA1-131R		L
DBA1-132		24H
DBA1-137		2H
DBA1-141		L
DBA1-134		L + 2H

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/8mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10 DBCY-40/40	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 *** @
J		431010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBA1-350N	Standard hinge	2 *
		DBCY-50/50	Full cylinder 50/50	1 @
		DBA1-353N	Sliding post bottom roller	1
		DBA1-354N	Sliding post top guide	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 541 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 10
	DBA1-103N/LH DBA1-103N/RH	x 1***

FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1)

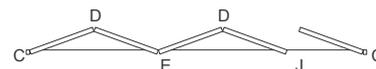
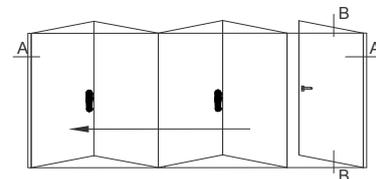
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

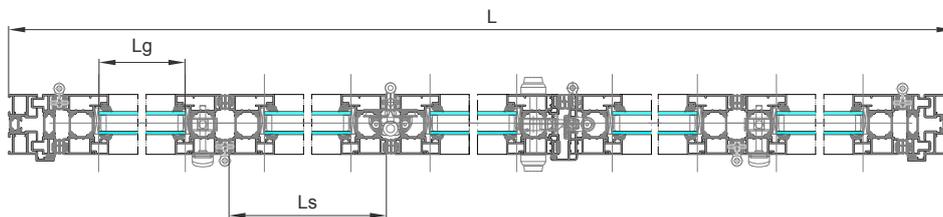
@ for Pas 24 - Switch to security hardware.



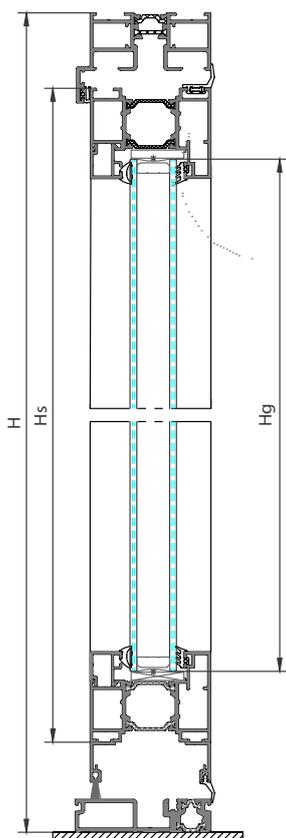
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B

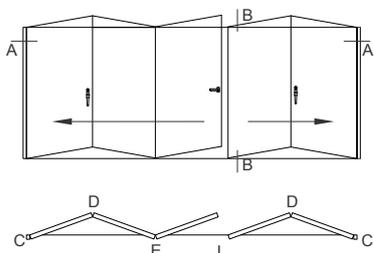


			
BF73.0103		x 1	L
BF73.0102		x 1	L
		x 1R x 1L	H-20
BF73.0201		x 10	Ls = L/5-38.5
		x 10	Hs = H-101
BF73.0803		x 8	Ls
		x 2	Ls+8
BF73.0601		x 10	Hs - 111
		x 10	Ls - 76.5
BF73.0804		x 1	Hs + 24.5
BF73.0501		x 2	H - 56
DBPR-001		x 1	L - 115
BF73.0801		x 2	Hs
BF73.0808		x 2	Hs - 386

BF73 SYSTEM

Series 532 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and half roller



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

DBA1-135N		10Ls + 10Hs
DBA1-136		10Ls + 10Hs

DBA1-146		2H
DBA1-144		L + 2H
DBA1-131R		L
DBA1-132		20H
DBA1-137		H
DBA1-134		H
DBA1-141		L
DBA1-143		L

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
J		DBLK-50/RH/Kit	Lever latch lock kit - RH	1 ***
		DBLK-50/LH/Kit	Lever latch lock kit - LH	1 @
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 532 BF73.0103 threshold + BF73.0201 sash - Open out

With adjustable jamb and half roller

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 9

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @
	DBA1-105	x 1

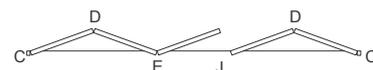
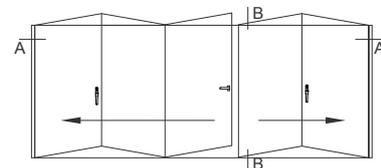
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

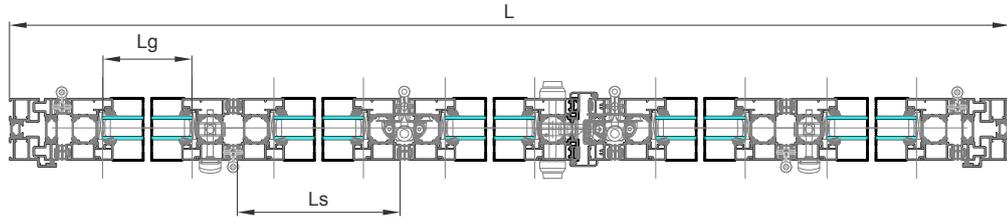
@ for Pas 24 - Switch to security hardware.



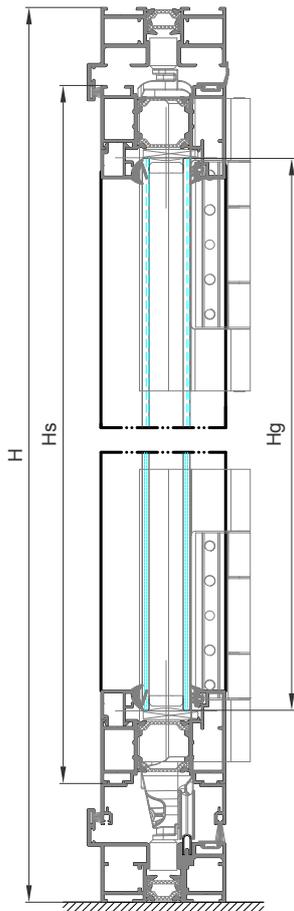
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



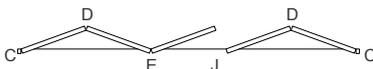
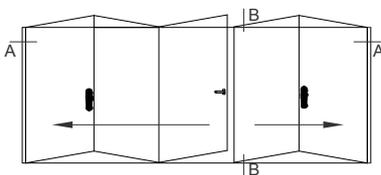
SECTION B-B



BF73.0101			x 1	L
BF73.0102			x 1	L
BF73.0201			x 2	H
			x 10	Ls = L/5 - 43.7
BF73.0803			x 10	Hs = H - 116
			x 8	Ls
			x 2	Ls+8
BF73.0601			x 2	25
			x 10	Hs - 111
BF73.0804			x 10	Ls - 76.5
			x 2	Hs + 24.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0502			x 1	Hs
BF73.0801			x 2	Hs

BF73 SYSTEM

Series 532 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post



	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

DBA1-135N		10Ls + 10Hs
DBA1-136		10Ls + 10Hs

DBA1-140		2L + 2H
DBA1-131R		L
DBA1-132		24H
DBA1-137		2H
DBA1-141		L
DBA1-134		L + 2H

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10 DBCY-40/40	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
J		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 *** @
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBA1-350N	Standard hinge	2 *
		DBCY-50/50	Full cylinder 50/50	1 @
		DBPC-02	Protec Magnetic Panel Catch 60mm	1
		DBA1-353N DBA1-354N	Sliding post bottom roller Sliding post top guide	1 1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 532 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 10
	DBA1-103N/LH DBA1-103N/RH	x 1***

FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1)

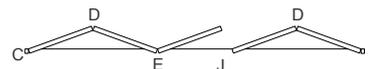
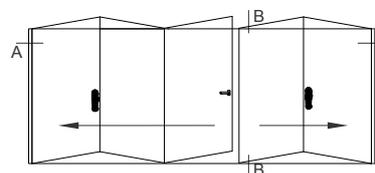
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

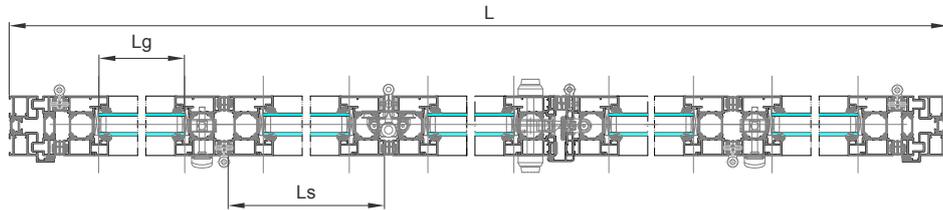
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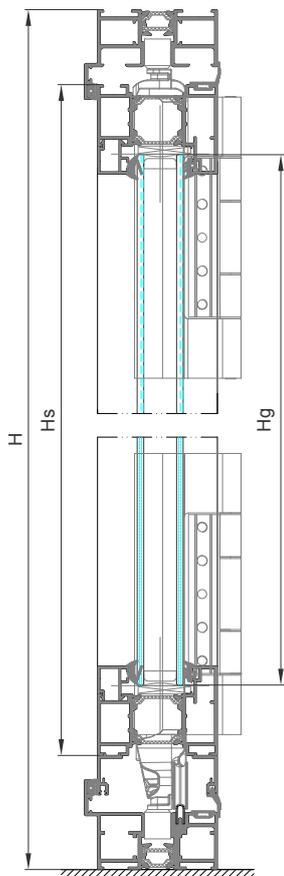
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



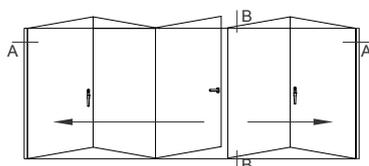
SECTION B-B



				
BF73.0101			x 1	L
BF73.0102			x 1	L
			x 2	H
BF73.0201			x 10	$Ls = L/5 - 38.5$
			x 10	$Hs = H - 116$
BF73.0803			x 8	Ls
			x 2	Ls+8
			x 2	25
DBE-170			x 10	Hs - 111
			x 10	Ls - 76.5
BF73.0804			x 1	Hs + 24.5
BF73.0501			x 2	H - 71
DBPR-001			x 1	L - 115
BF73.0801			x 2	Hs
BF73.0808			x 2	Hs - 386

BF73 SYSTEM

Series 532 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller



	120 Kgs.	300 < Ls < 1200	
		1900 < Hs < 3000	

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

DBA1-135N		10Ls + 10Hs
DBA1-136		10Ls + 10Hs

DBA1-146		2H
DBA1-144		2L + 2H
DBA1-131R		L
DBA1-132		20H
DBA1-137		H
DBA1-143		L
DBA1-134		L + H

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-06	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-06	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		40/10 Cylinder 40/40 Cylinder	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
J		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 ***
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		50/50 Cylinder	Full cylinder 50/50	1 @
		DBA1-357/RH DBA1-357/LH	Bottom half roller with fixings	1 ***
		DBA1-358/RH DBA1-358/LH	Top half guide with fixings	1 ***
		DBA1-119	Half Roller Add-on Kit	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 532 BF73.0101 threshold + BF73.0201 sash - Open out
With adjustable jamb and half roller

CLEATS			
	BF73.0902K		x 8
	DBA1-102		x 4
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 1
	DBA1-106	x 9

FIXING BLOCK		
	DBA1-107	4x(H/500+1) @

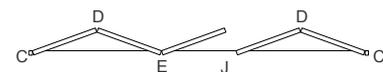
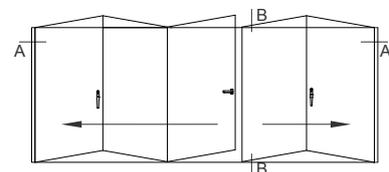
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

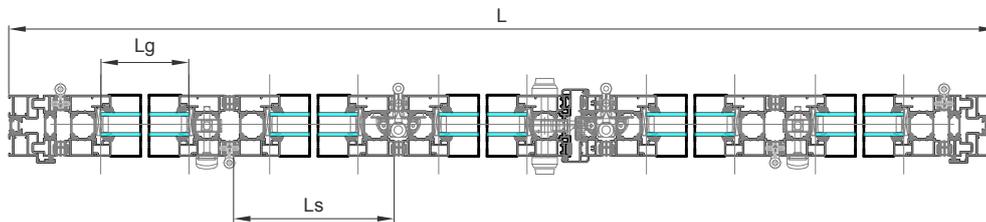
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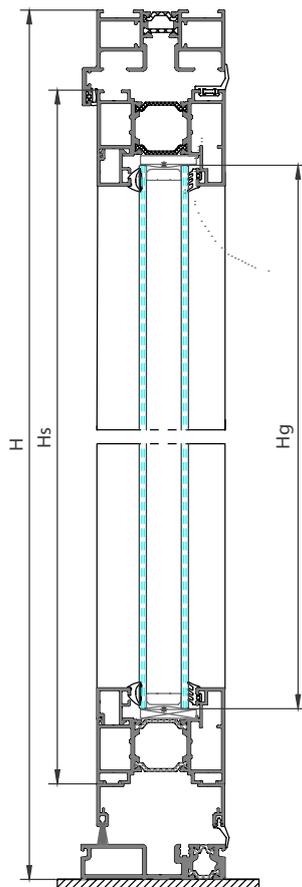
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86

SECTION A-A



SECTION B-B



BF73 SYSTEM

Series 532 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

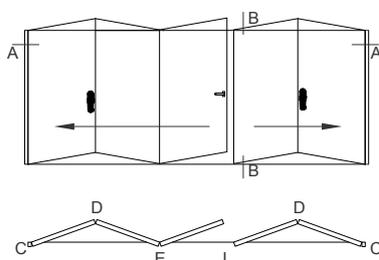
BF73.0103		x 1	L
BF73.0102		x 1	L
		x 1R x 1L	H-20
BF73.0201		x 10	$L_s = L/5 - 43.7$
		x 10	$H_s = H - 101$
BF73.0803		x 8	L_s
		x 2	$L_s + 8$
		x 2	25
BF73.0601		x 10	$H_s - 111$
		x 10	$L_s - 76.5$
BF73.0804		x 2	$H_s + 24.5$
BF73.0501		x 2	$H - 56$
DBPR-001		x 1	$L - 115$
BF73.0801		x 2	H_s
BF73.0502		x 1	H_s

DBA1-135N		$10L_s + 10H_s$
DBA1-136		$10L_s + 10H_s$

DBA1-140		$L + 2H$
DBA1-131R		L
DBA1-132		24H
DBA1-137		2H
DBA1-134		2H
DBA1-141		2L

Change in case of option 3

DBA1-140		$2L + 2H$
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	120 Kgs.	$300 < L_s < 1200$
		$1900 < H_s < 3000$

	e=28mm	x 5	$L_g = L_s - 86$
			$H_g = H_s - 86$

HARDWARE LIST				
Section	Image	Part number	Description	Quantity
C		DBA1-350N	Standard hinge	4 *
D		DBA1-350N	Standard hinge	3 *
		DBA1-355N	Pull handle hinge open out	1
		DBLK-05	Robus heavy duty intermediate lock	1
		DBLK-26	Robus Lock Cover for DBLK-05	1
		DBA1-200/10mm	Shootbolt cone & guide kit	1
		DB-45	Threaded rod M10x3000	1
		DBHL-05 DBHL-06	Vivo short handle	1 **
		DBCY-40/10 DBCY-40/40	Half cylinder 40/10 Full cylinder 40/40	1 **
E		DBA1-350N	Standard hinge	2 *
		DBA1-351N	Standard bottom roller	1
		DBA1-352N	Standard top guide	1
J		DBLK-50/RH/Kit DBLK-50/LH/Kit	Lever latch lock kit - RH Lever latch lock kit - LH	1 *** @
		432010	Alulock Lock Kit	1 ^
		Sweet Handle	Sweet Handle (Lever/Lever)	1
		DBA1-350N	Standard hinge	2 *
		DBCY-50/50	Full cylinder 50/50	1 @
		DBPC-02	Protec Magnetic Panel Catch 60mm	1
		DBA1-353N	Sliding post bottom roller	1
		DBA1-354N	Sliding post top guide	1
		DBS-04	Lock cover screw M5 x 10 for DBLK-26	4
		DBS-47	3.9 x 16 mm Pan Head Self Tapping fixing screw	TBC
		DBS-48	3.9 x 16 mm Countersunk Self Tapping fixing screw	TBC

BF73 SYSTEM

Series 532 BF73.0103 threshold + BF73.0201 sash - Open out
With adjustable jamb and sliding post

CLEATS			
	BF73.0902K		x 4
	DBA1-102		x 2
	BF73.0903K		x 40
	DBA1-102		x 20

END CAPS		
	DBA1-201	x 2
	DBA1-106	x 10
	DBA1-103N/RH DBA1-103N/LH	x 1***

FIXING BLOCK		
	DBA1-107	4 x (H/500 + 1)
4x	DBA1-105	x 1

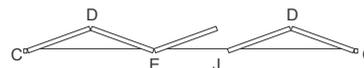
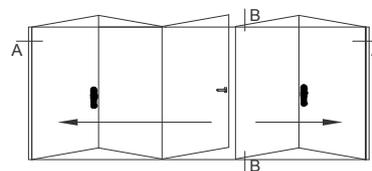
* Number of hinges according sash dimensions.

** It is possible to install handle with key on one or both sides.

*** According left or right opening hand

^ For doors up to 2.5m high

@ for Pas 24 - Switch to security hardware.



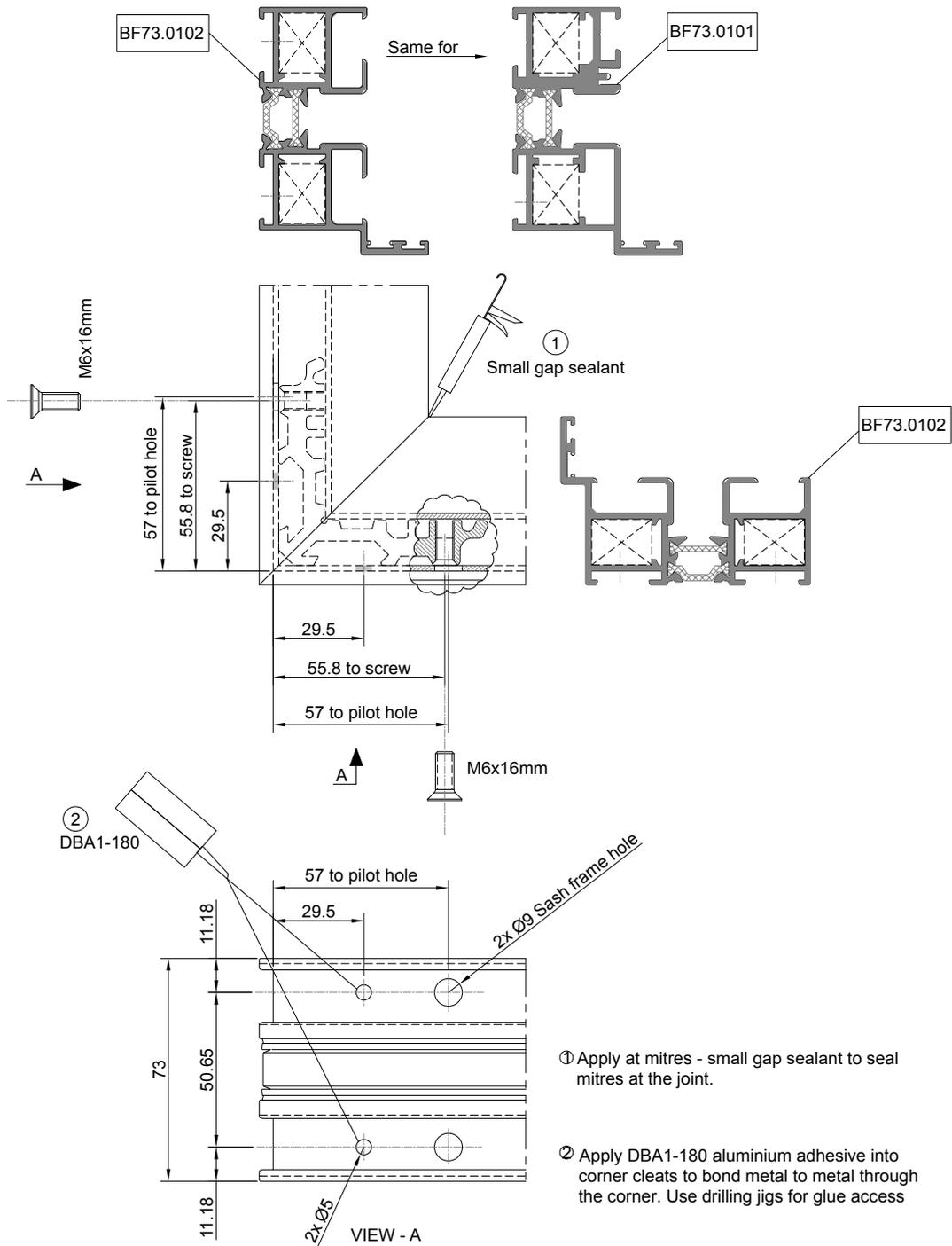
	120 Kgs.	300 < Ls < 1200
		1900 < Hs < 3000

	e=28mm	x 5	Lg = Ls - 86
			Hg = Hs - 86



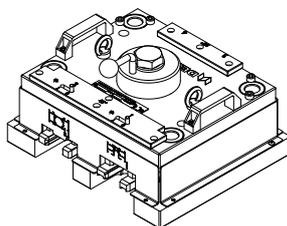
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- ① Apply at mitres - small gap sealant to seal mitres at the joint.
- ② Apply DBA1-180 aluminium adhesive into corner cleats to bond metal to metal through the corner. Use drilling jigs for glue access

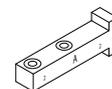
Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers



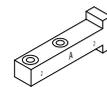
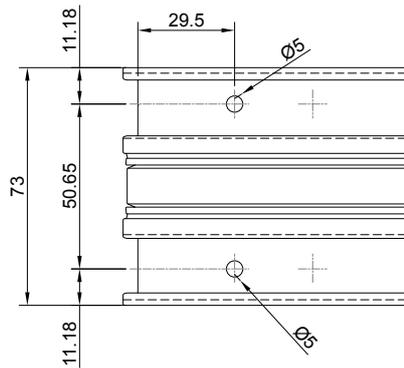
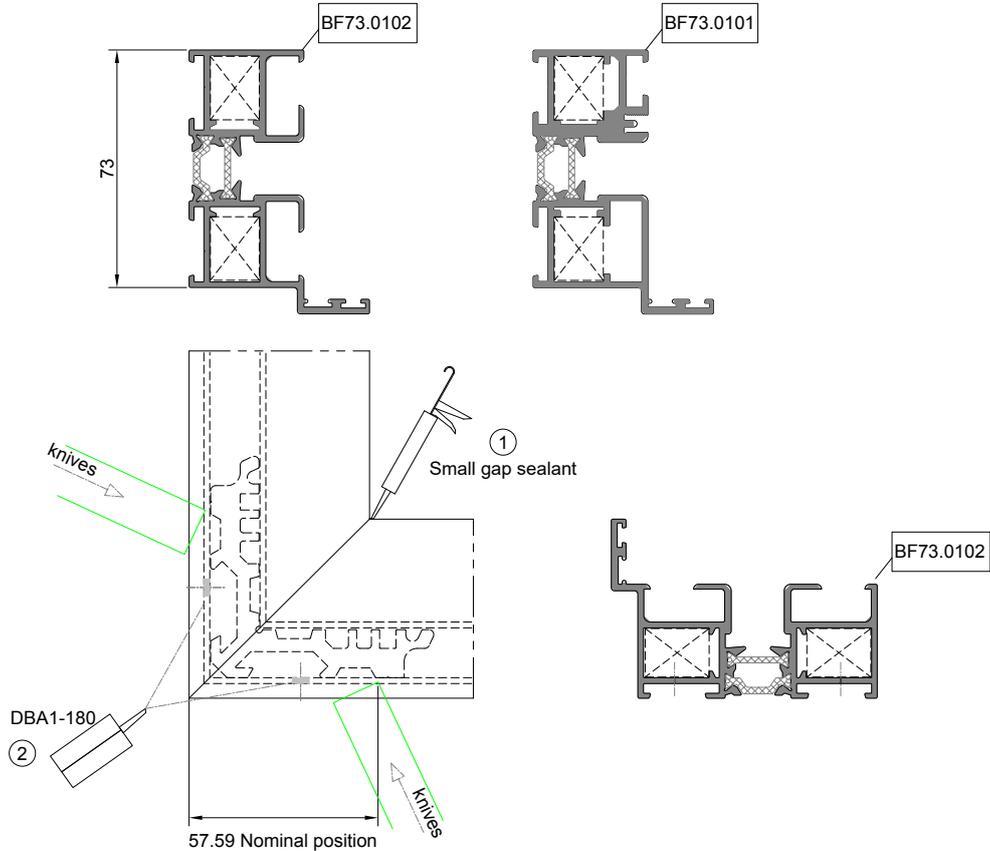
BF73 SYSTEM

Outer frame Corner preparation screw option

Punch tool available
DBA1 - Punch - Head



Drill jig available
DBA1 - TLA

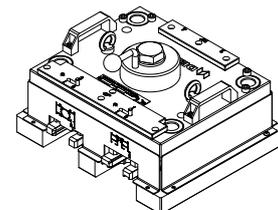


Drill jig available
DBA1 - TLA

BF73 SYSTEM

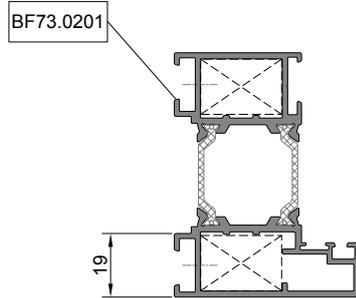
Corner - Outer frame preparation crimp positions

- ① Apply at mitres - small gap sealant to seal mitres at the joint.
- ② Apply DBA1-180 aluminium adhesive into corner cleats to bond metal to metal through the corner. Use drilling jigs for glue access



Punch tool available
DBA1 - Punch - Head

Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers

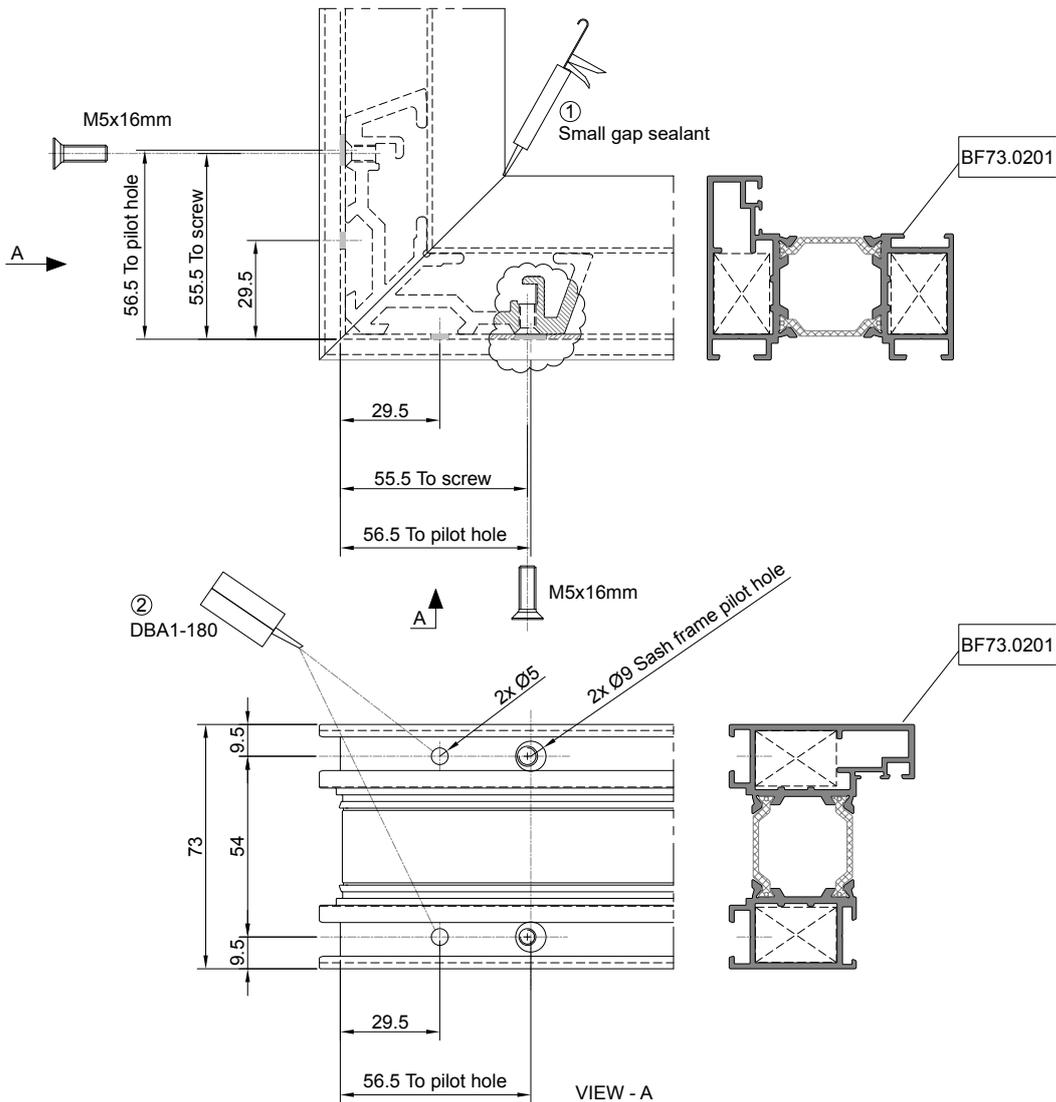


① Apply at mitres - small gap sealant to seal mitres at the joint.

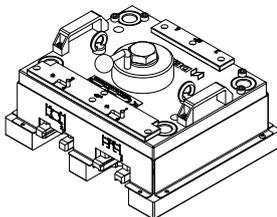
② Apply DBA1-180 aluminium adhesive into corner cleats to bond metal to metal through the corner. Use drilling jigs for glue access

BF73 SYSTEM

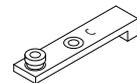
Sash frame BF73.0201 Corner preparation screw option



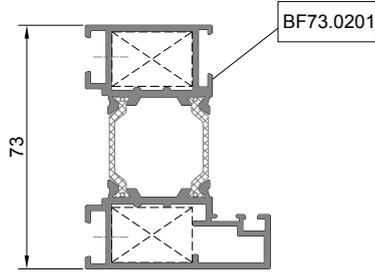
Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers



Punch tool available
DBA1 - Punch - Head

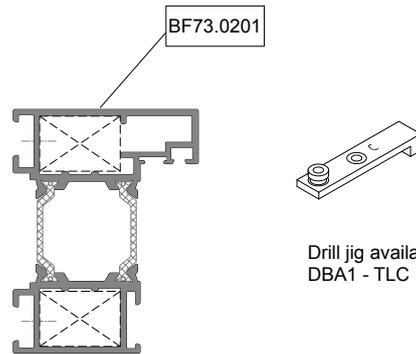
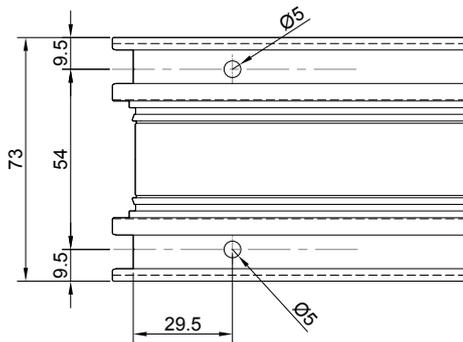
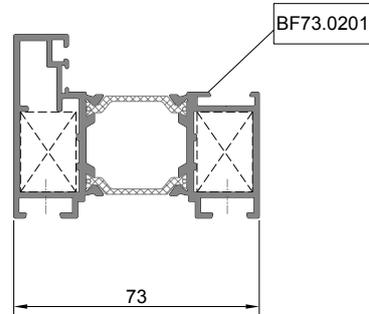
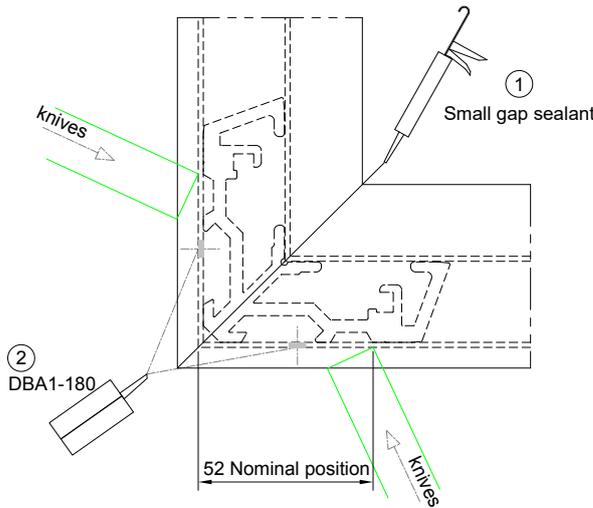


Drill jig available
DBA1 - TLC

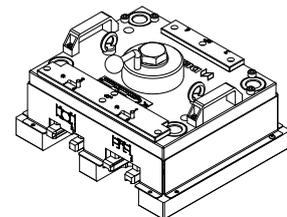


BF73 SYSTEM

Sash frame BF73.0201 corner preparation crimp positions



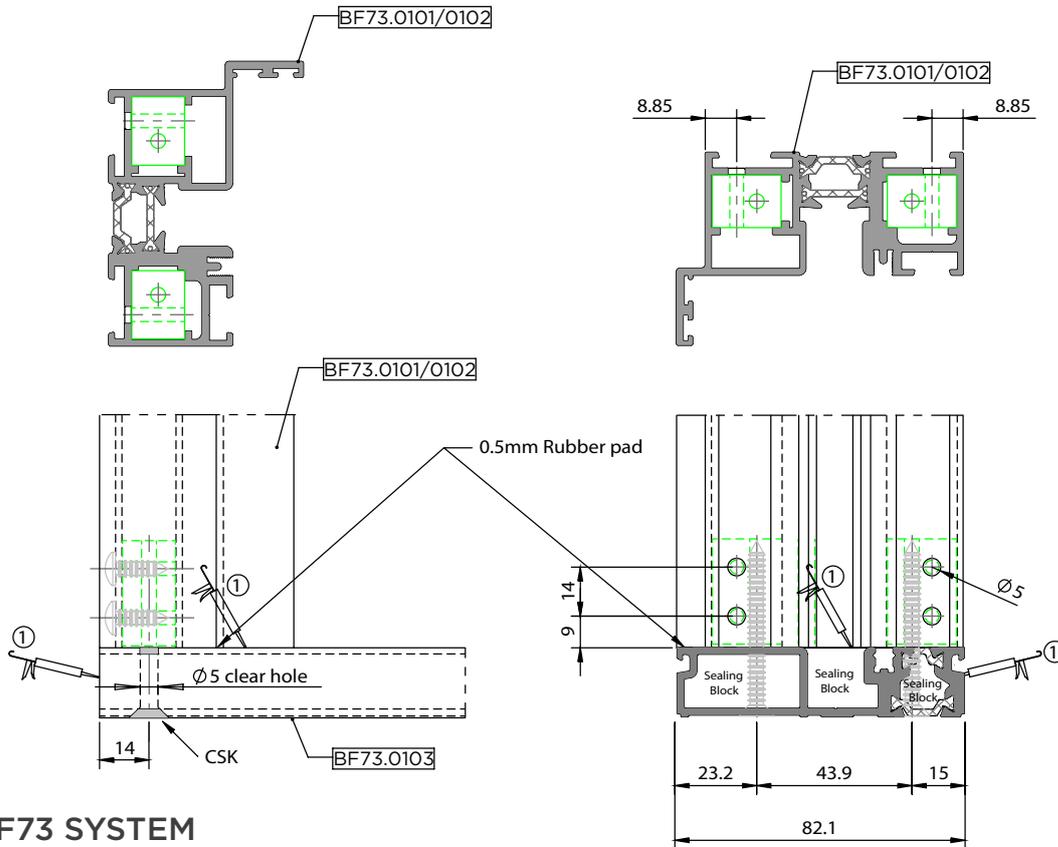
Drill jig available
DBA1 - TLC



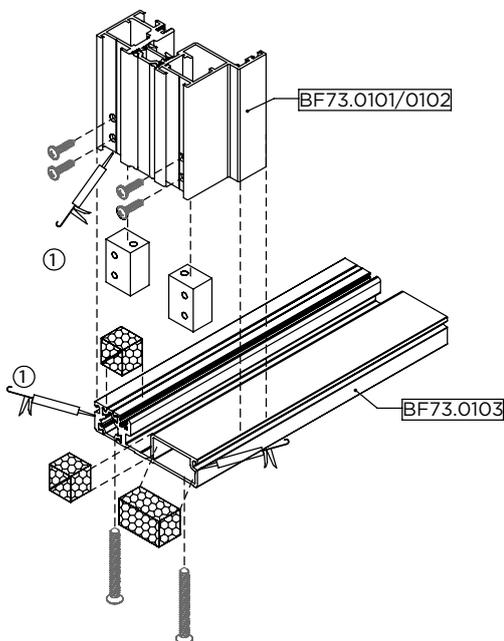
Punch tool available
DBA1 - Punch - Head

- ① Apply at mitres - small gap sealant to seal mitres at the joint.
- ② Apply DBA1-180 aluminium adhesive into corner cleats to bond metal to metal through the corner. Use drilling jigs for glue access

Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers

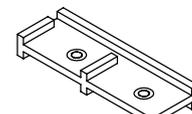


BF73 SYSTEM Low threshold corner preparation

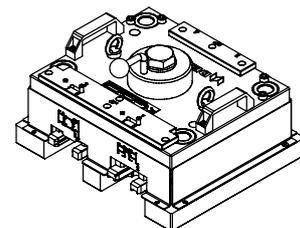


For each outer frame corner cut one foam block into two equal pieces and assemble as shown at the left hand side.

DBA1-105
Low threshold Kit (for
BF73.0101/0102 & BF73.0103)



Drill jig available
DBA1 - TLE



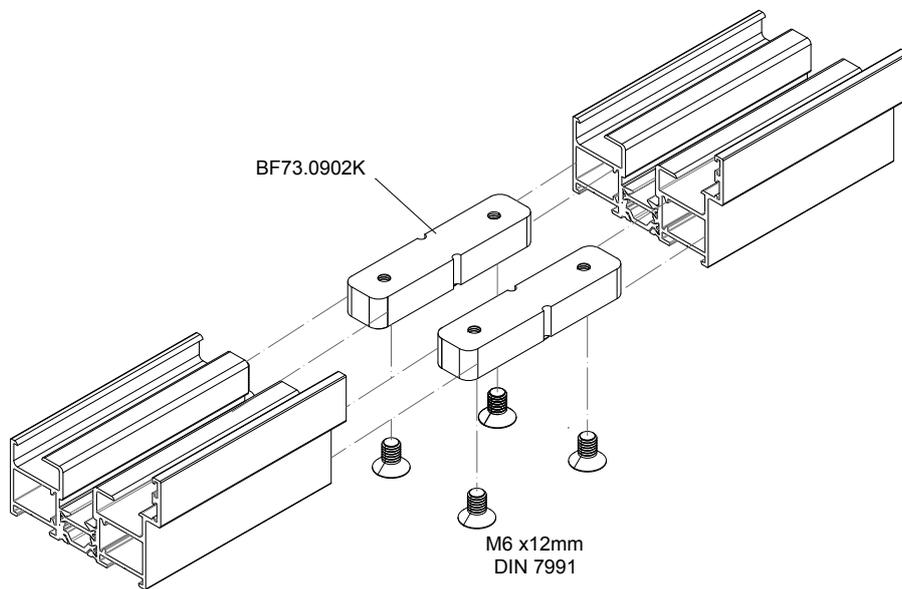
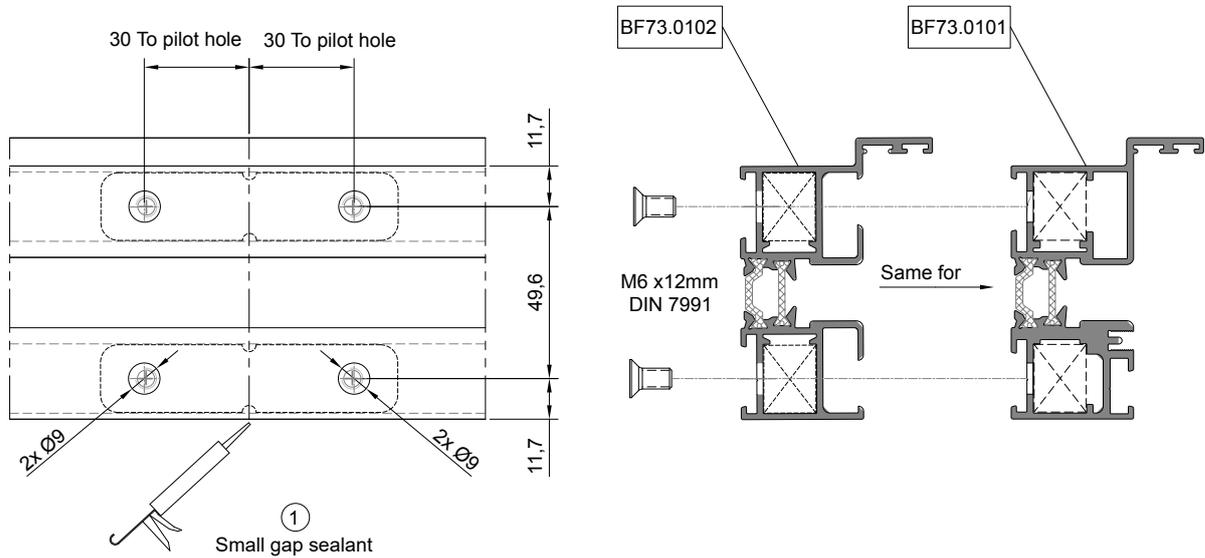
Punch tool available
DBA1 - Punch - Head

① Apply at mitres - small gap sealant to seal mitres at the joint.

Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers

BF73 SYSTEM

Standard outer frame longitudinal connection

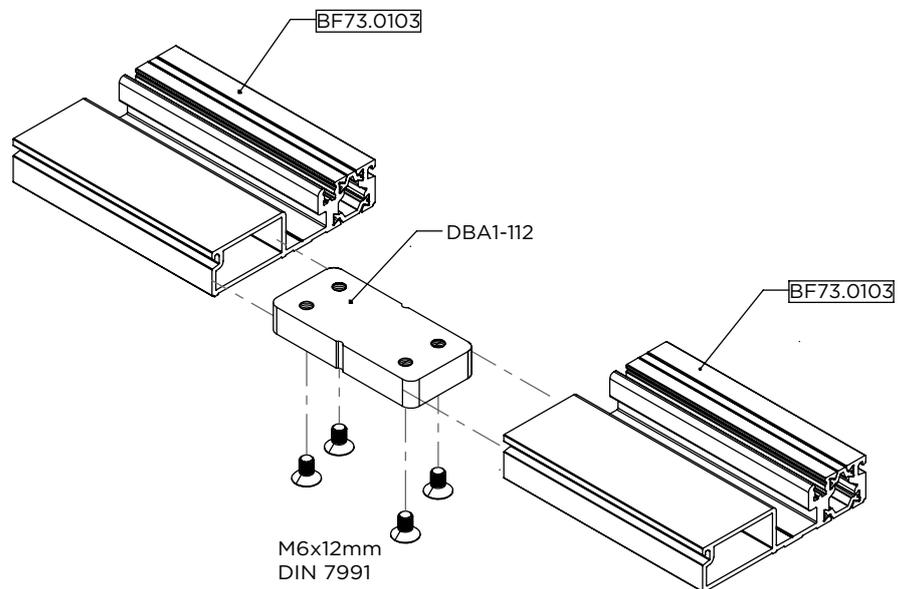
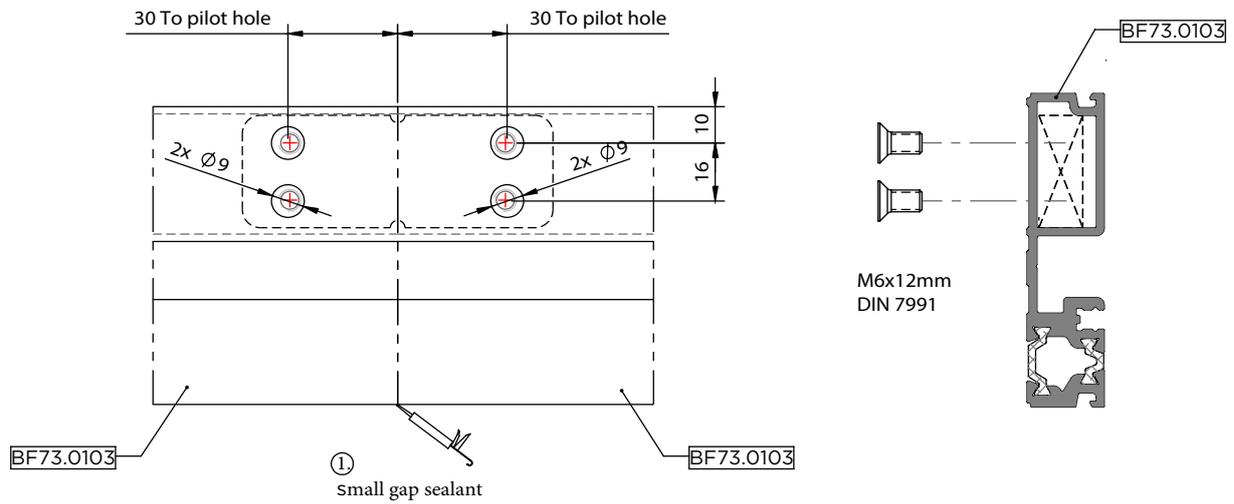


① Apply at mitres - Small gap sealant to seal mitres at the joint.

Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers

BF73 SYSTEM

Low threshold longitudinal connection

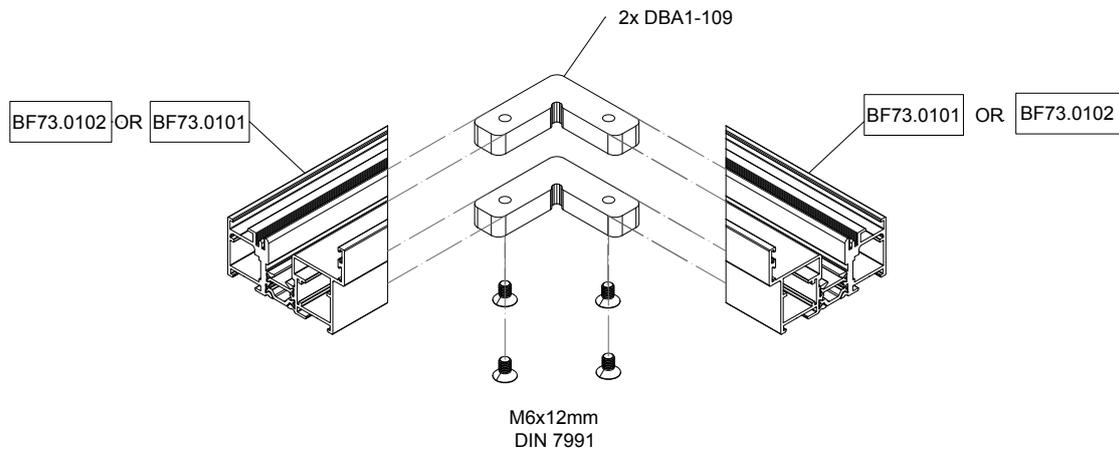
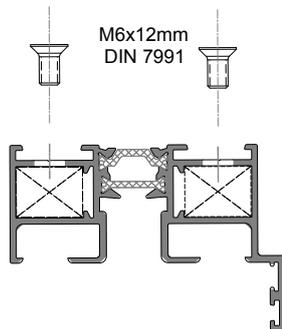
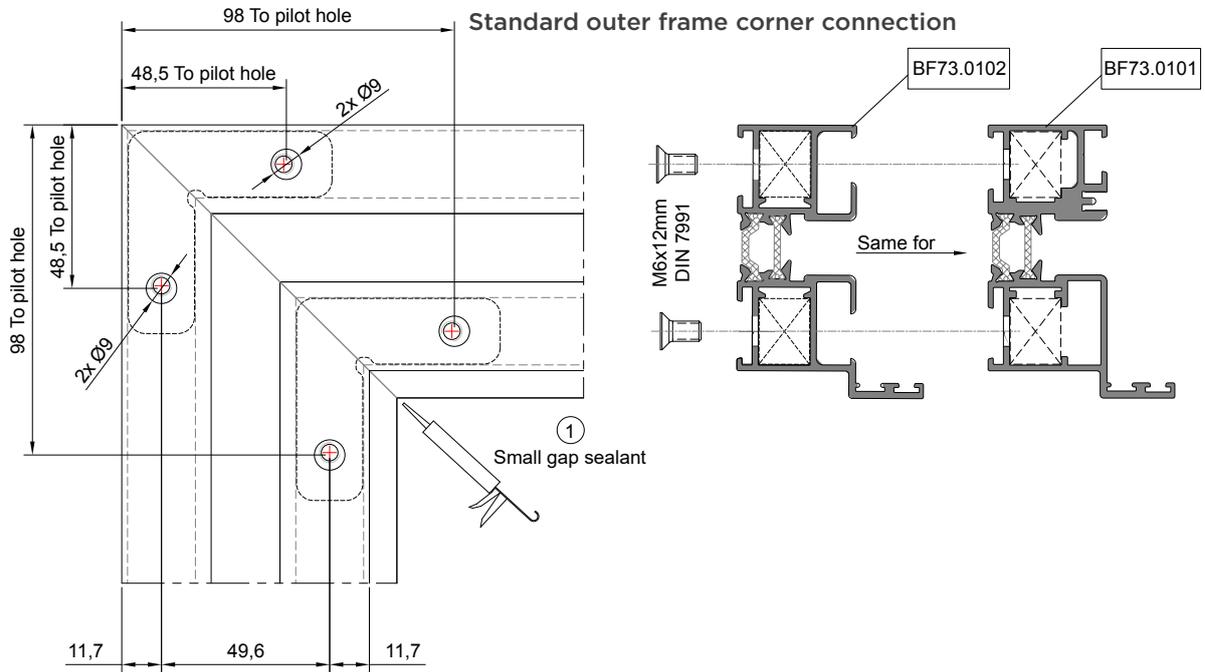


① Apply at joints - small gap sealant to seal the joint.

Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers

BF73 SYSTEM

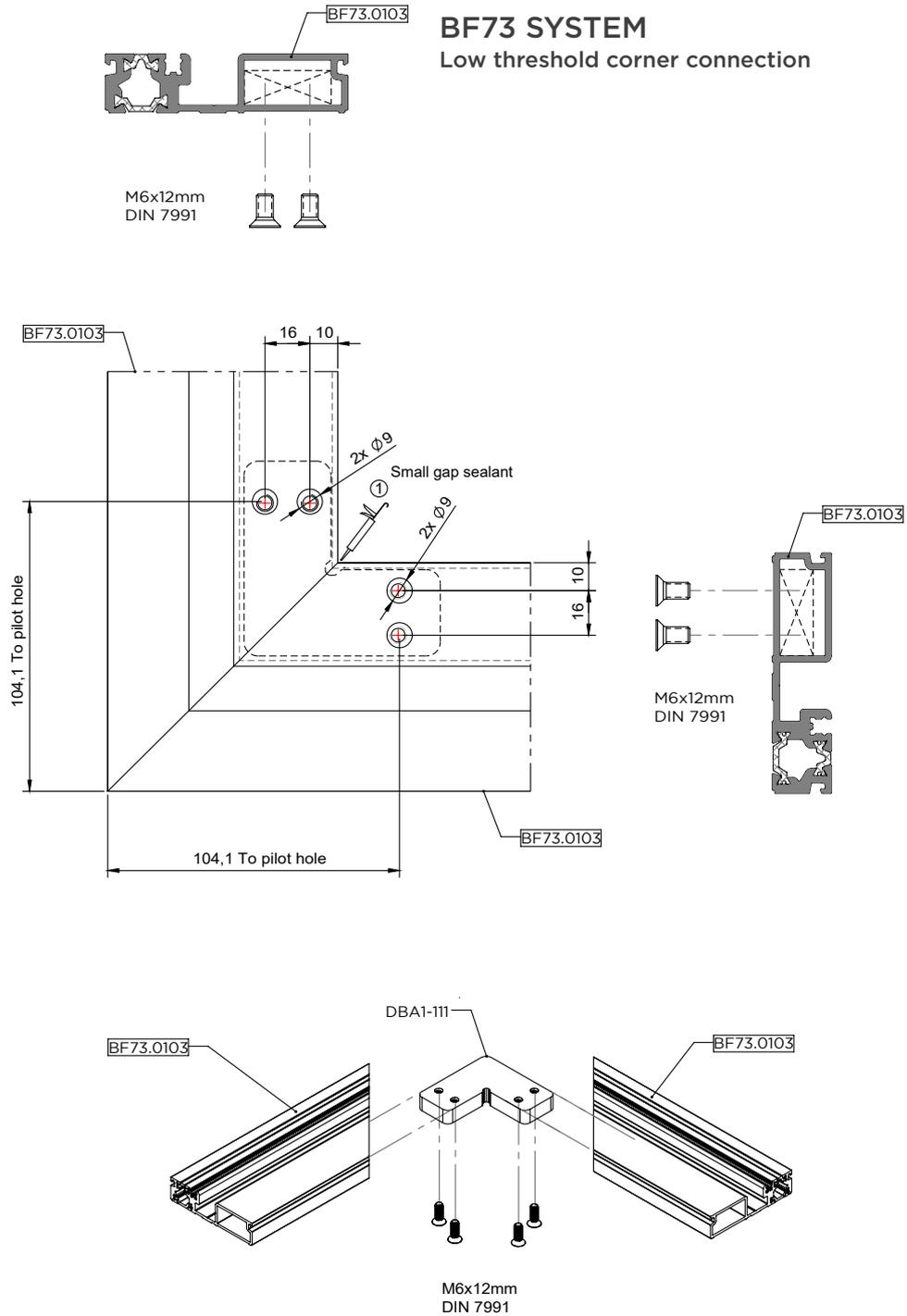
Standard outer frame corner connection



① Apply at mitres - small gap sealant to seal mitres at the joint.

Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers

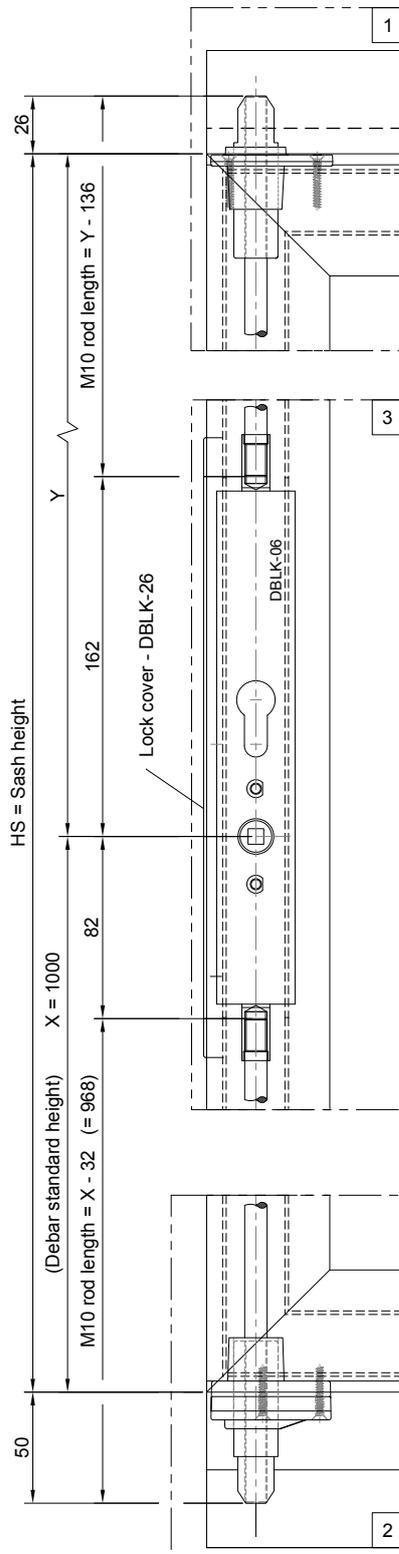
Note: Small gap sealant should be applied on face of profile and cleat adhesive into chambers



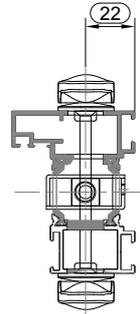
① Apply at mitres - Small gap sealant to seal mitres at the joint.

BF73 SYSTEM

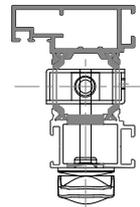
Shootbolt Details BF73.0201



$H_s = X + Y$
 H_s = Sash height
 X = Height from bottom of Sash to center of handle spindle
 Y = Height from top of sash to center of handle spindle

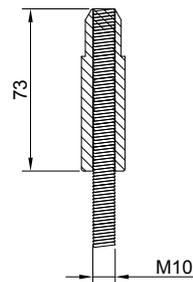


Double handle



Single handle at inside only

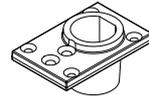
NOTE:
 Double handle prep. shown. No prep required on outside if single handle at inside only.



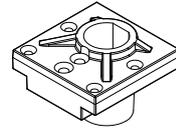
Security Lock:
 10mm dia 'Allthread' rod must screw into cone full depth

DBA1-200 /10mm Shootbolt Kit includes

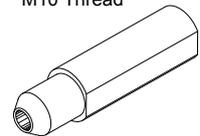
Top Guide x 1



Bottom Guide x 1



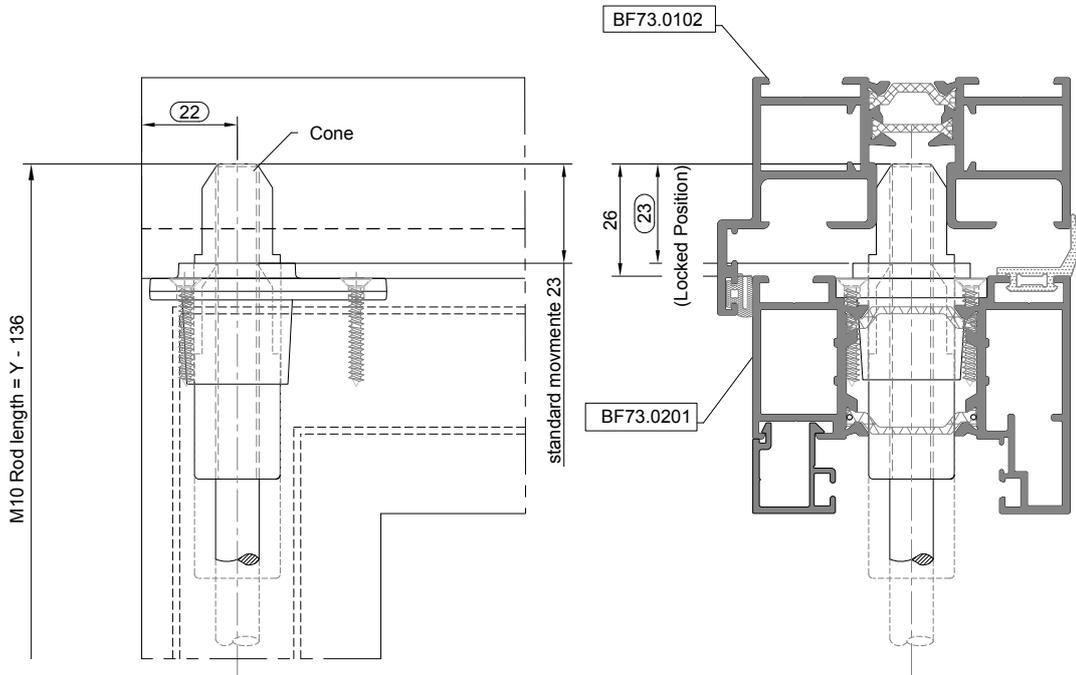
Cones x 2
M10 Thread



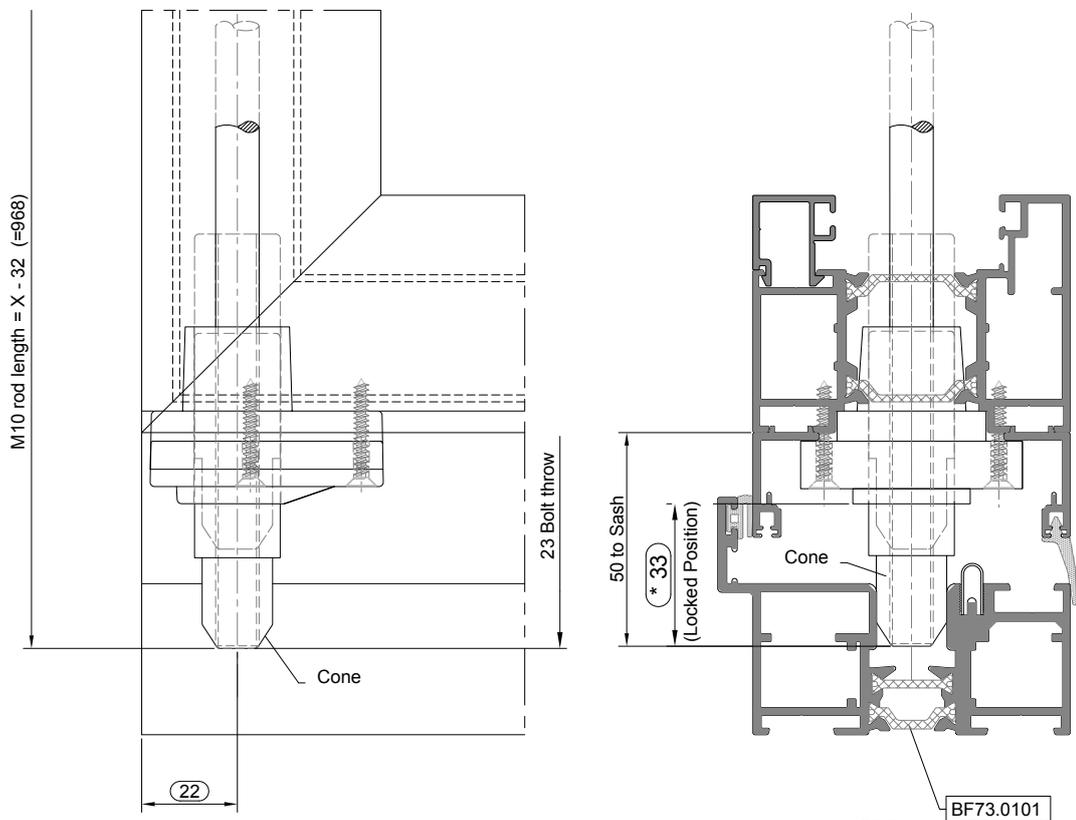
LOCK AND SHOOT FITTING DATA	
SECURITY LOCK	
1	DBLK-06
2	DBA1-200 /10mm
3	DB-45 ; 1 x 3000

$H_s = X + Y$
 H_s = Sash height
 X = Height from bottom of Sash to center of handle spindle
 Y = Height from top of sash to center of handle spindle

BF73 SYSTEM Shootbolt Details BF73.0201

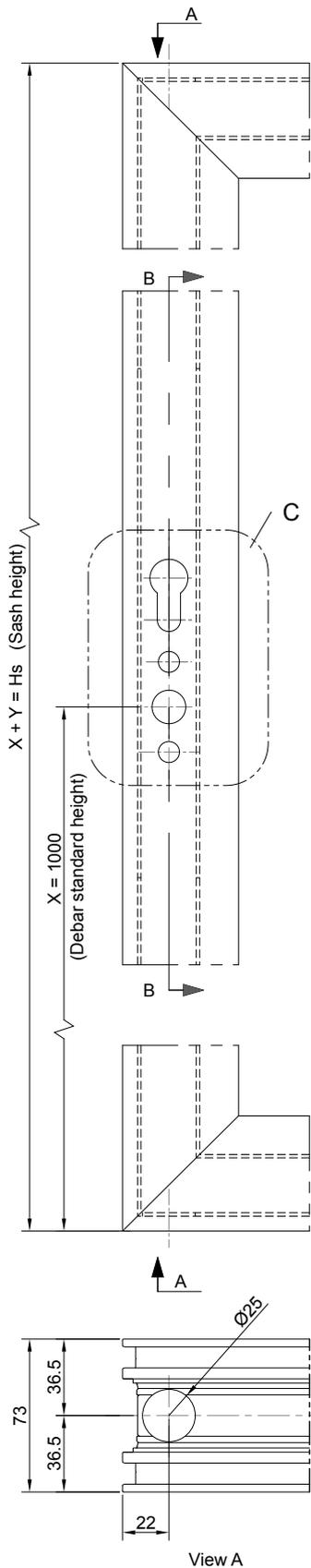


SECTION -1



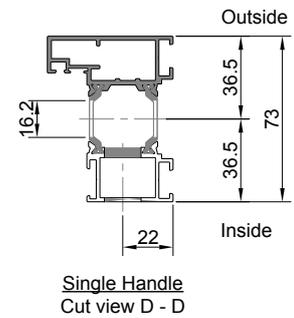
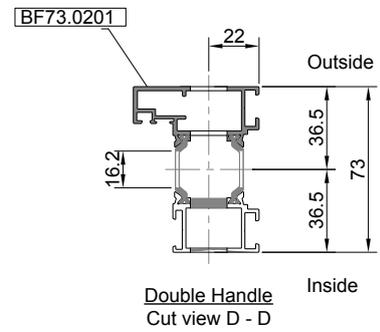
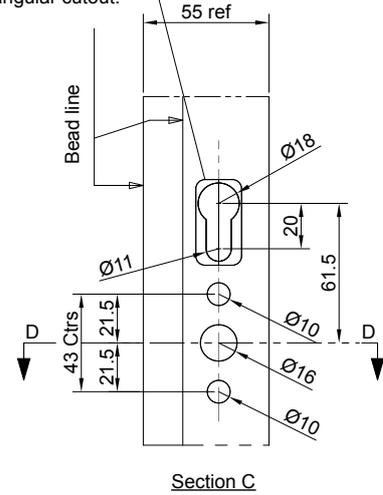
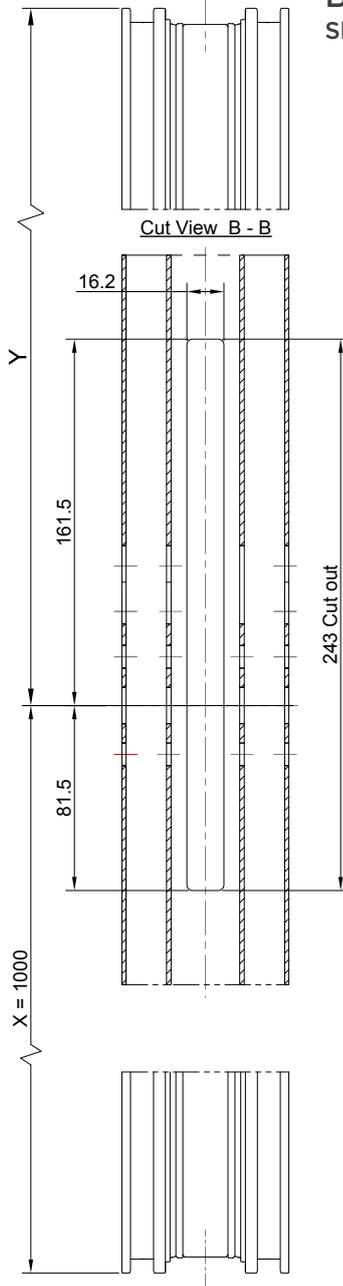
* Same Dimension for BF73.0103

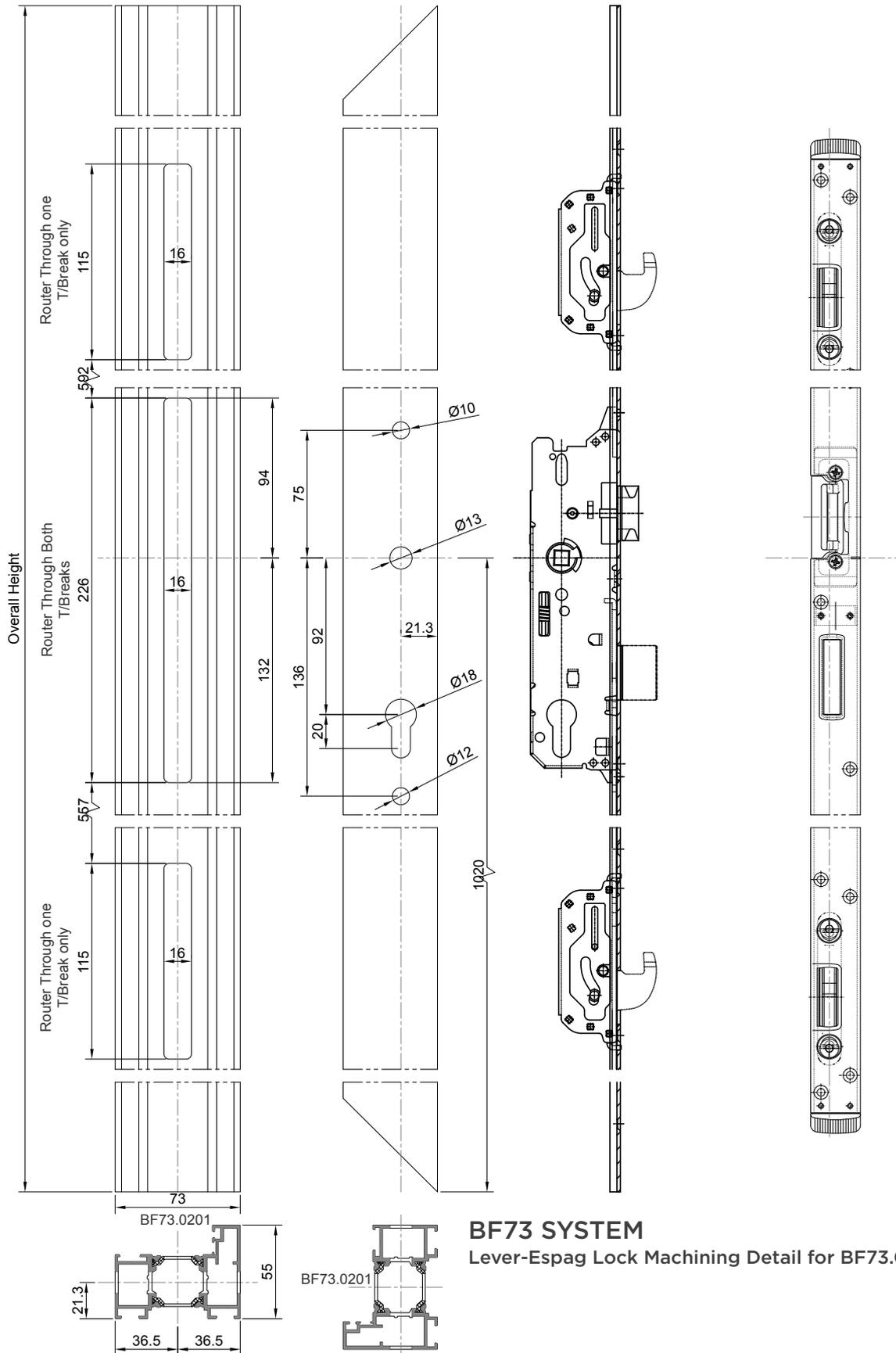
SECTION -2



BF73 SYSTEM Shootbolt Details BF73.0201

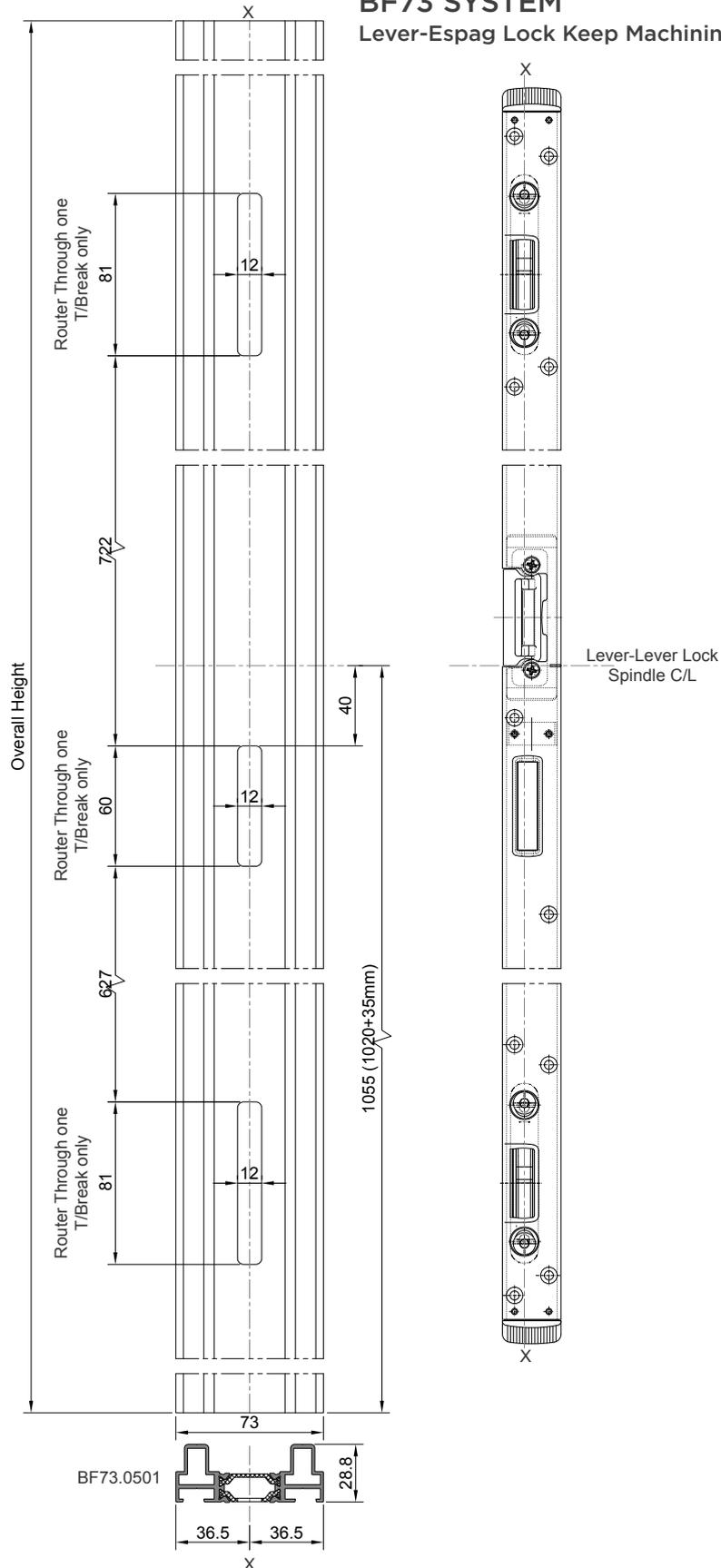
Options on cut-out for cylinder if using DBHL-05 handle: - either profiled or rectangular cutout.





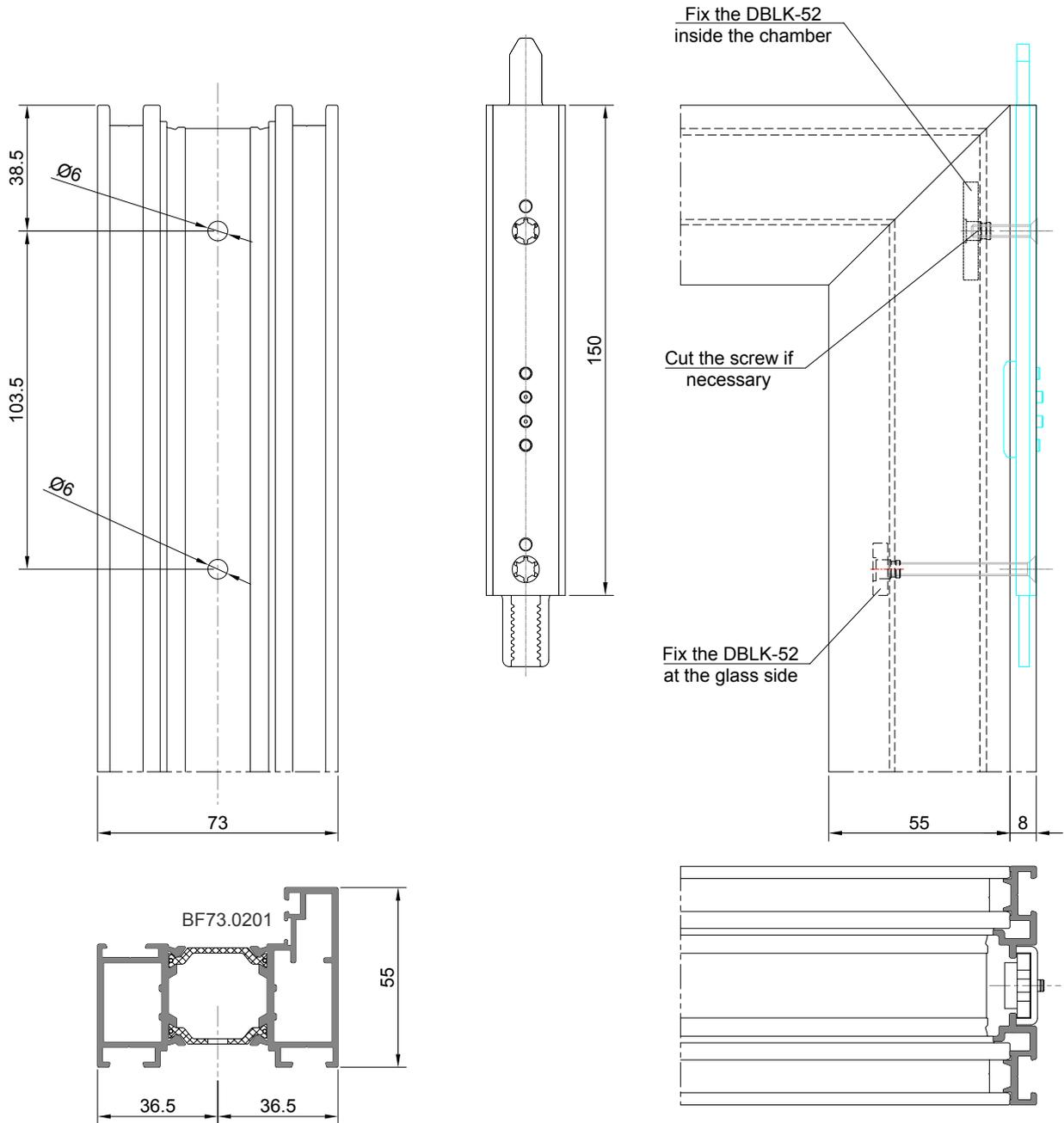
BF73 SYSTEM

Lever-Espag Lock Keep Machining Detail for BF73.0501



BF73 SYSTEM

DBLK-52 Shoot Bolt Machining Detail for BF73.0201



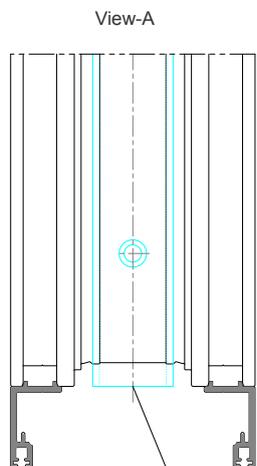
-NOTE: Fit DBLK-52 top shoot bolt before assembling mitred corner

Overall Sash Height:
Min - 1900 mm
Max - 2450 mm

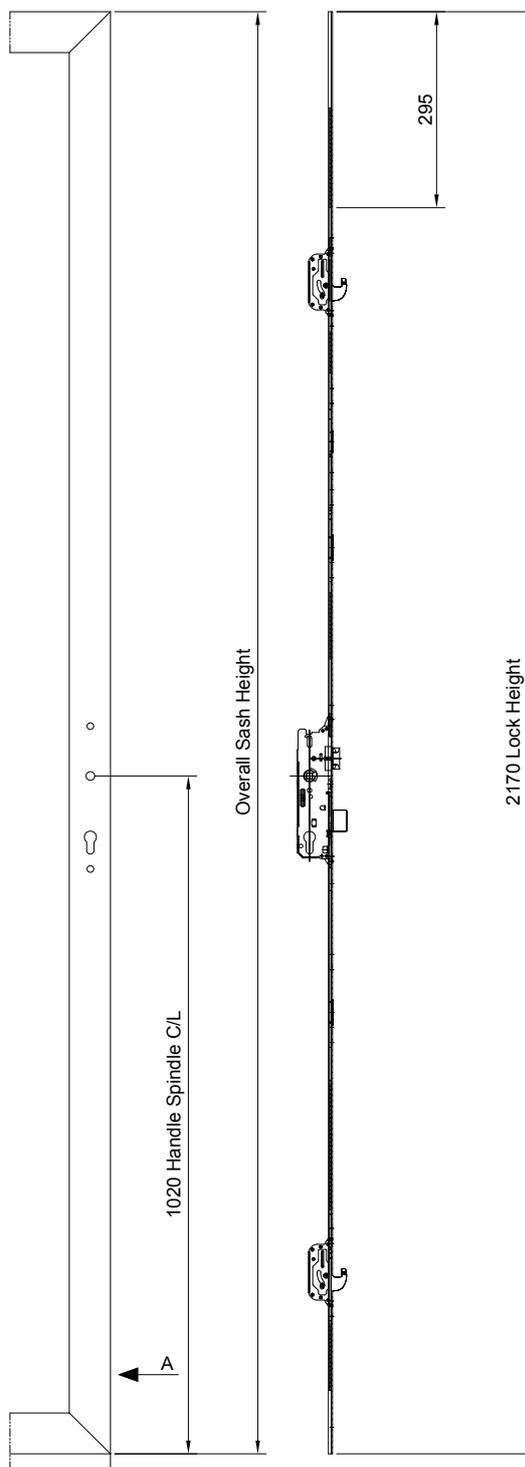
-NOTE: Trimming length For DBLK-50
Lock Only (Without Extensions)

DBKL-50 Lock Trimming Length:
Max - 295 mm

BF73 SYSTEM DBLK-50 Lever-Espag Lock Configurations



Fix the lock inline with the bottom of the sash

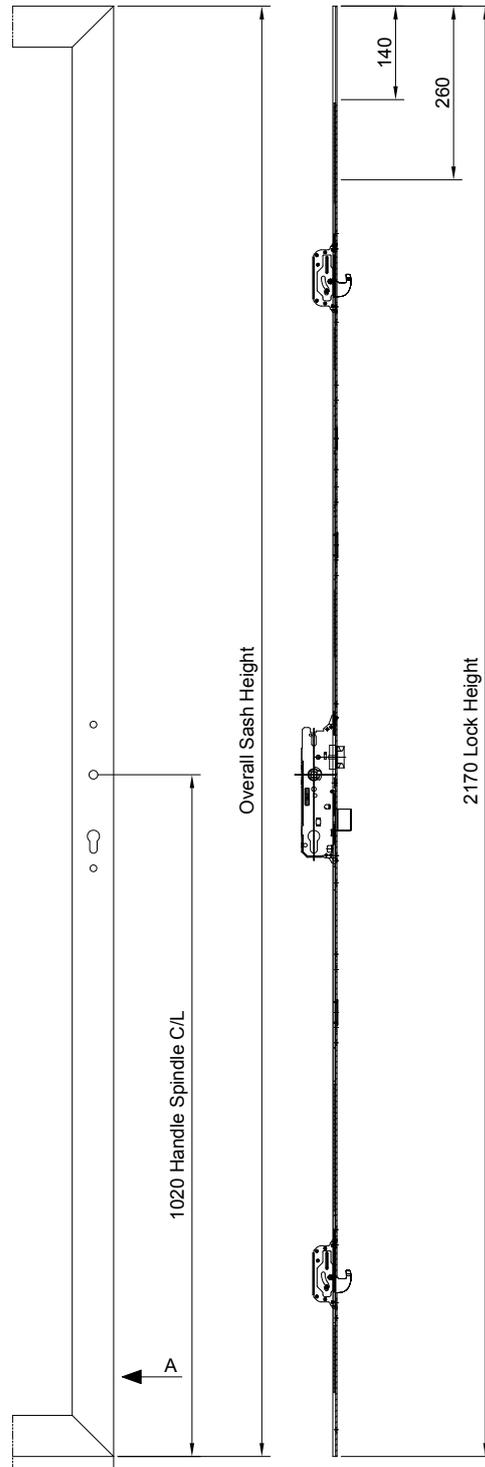
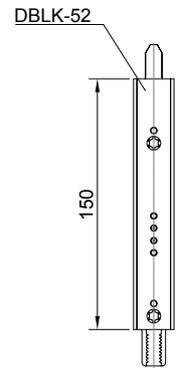


Overall Sash Height:
 Min - 2060 mm
 Max - 2180 mm

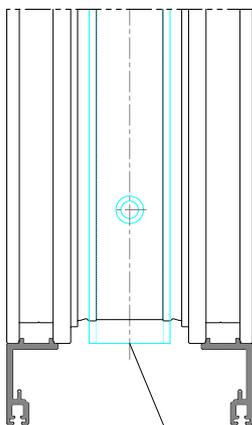
-NOTE: Overall Sash height for DBLK-50 lock with DBLK-52 shoot bolt only

DBLK-50 Lock Trimming Length:
 Min - 140 mm
 Max - 260 mm

BF73 SYSTEM DBLK-50 Lever-Espag Lock Configurations



View-A



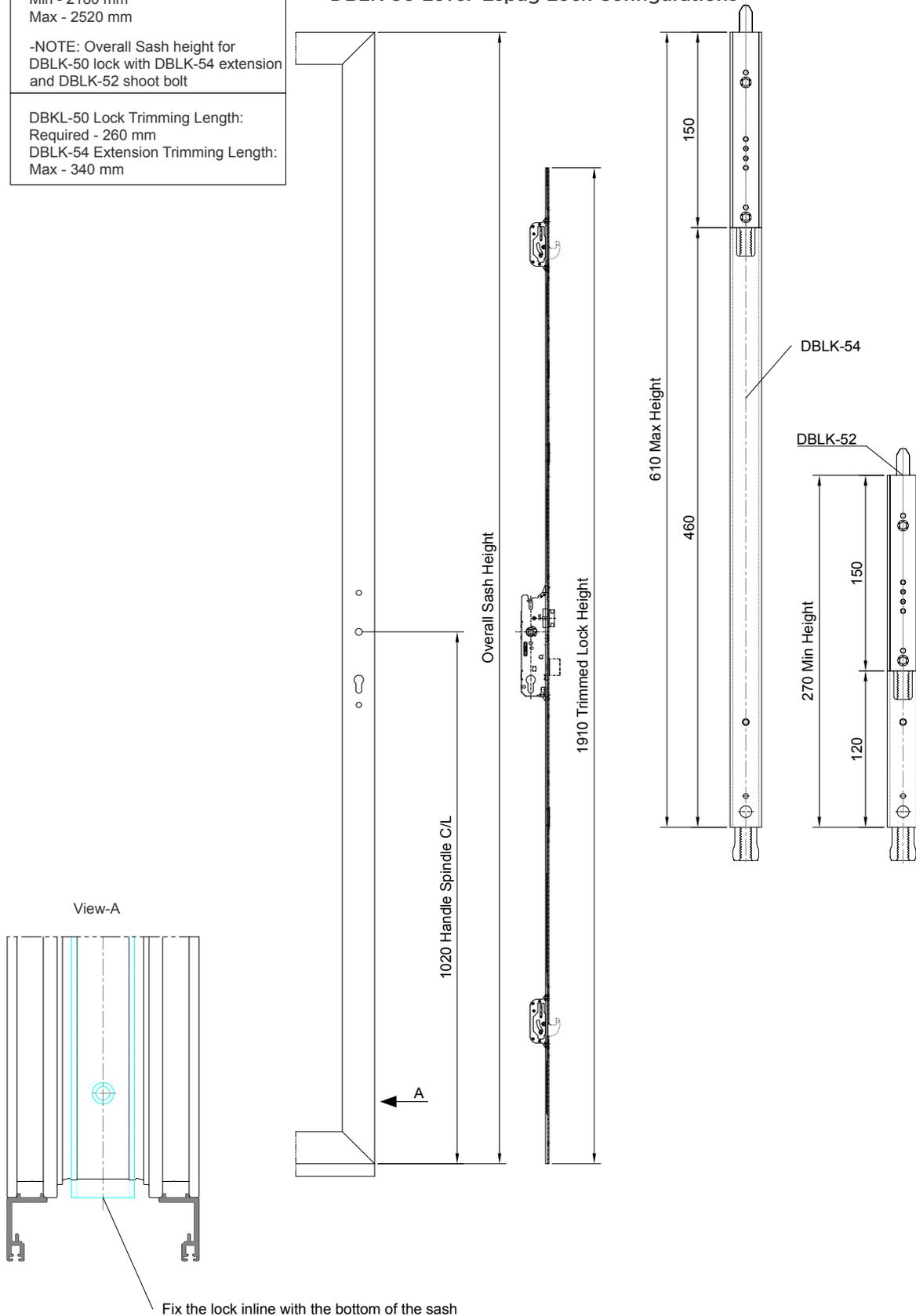
Fix the lock inline with the bottom of the sash

Overall Sash Height:
 Min - 2180 mm
 Max - 2520 mm

-NOTE: Overall Sash height for
 DBLK-50 lock with DBLK-54 extension
 and DBLK-52 shoot bolt

DBLK-50 Lock Trimming Length:
 Required - 260 mm
 DBLK-54 Extension Trimming Length:
 Max - 340 mm

BF73 SYSTEM DBLK-50 Lever-Espag Lock Configurations



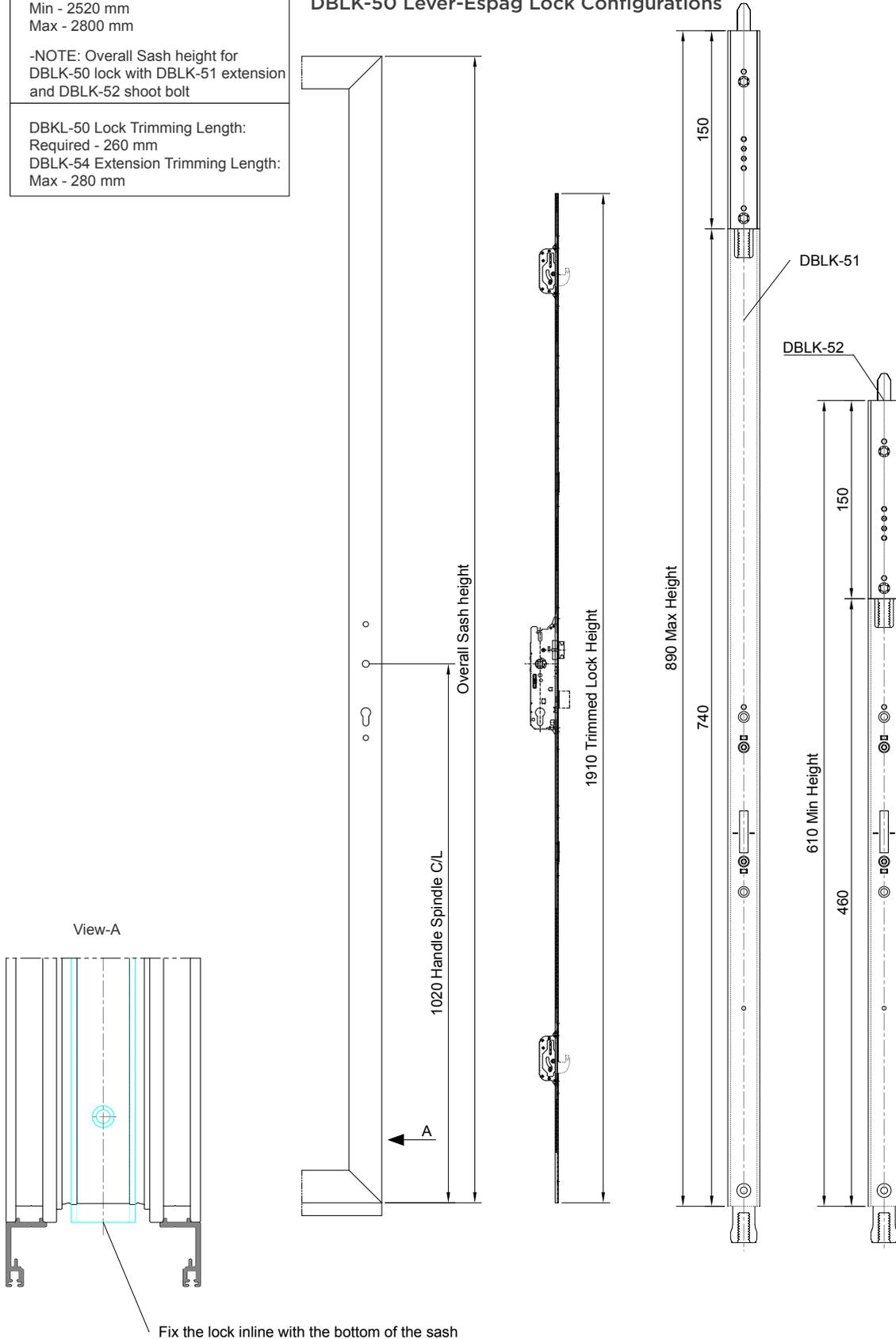
Overall Sash Height:
 Min - 2520 mm
 Max - 2800 mm

-NOTE: Overall Sash height for
 DBLK-50 lock with DBLK-51 extension
 and DBLK-52 shoot bolt

DBKL-50 Lock Trimming Length:
 Required - 260 mm
 DBLK-54 Extension Trimming Length:
 Max - 280 mm

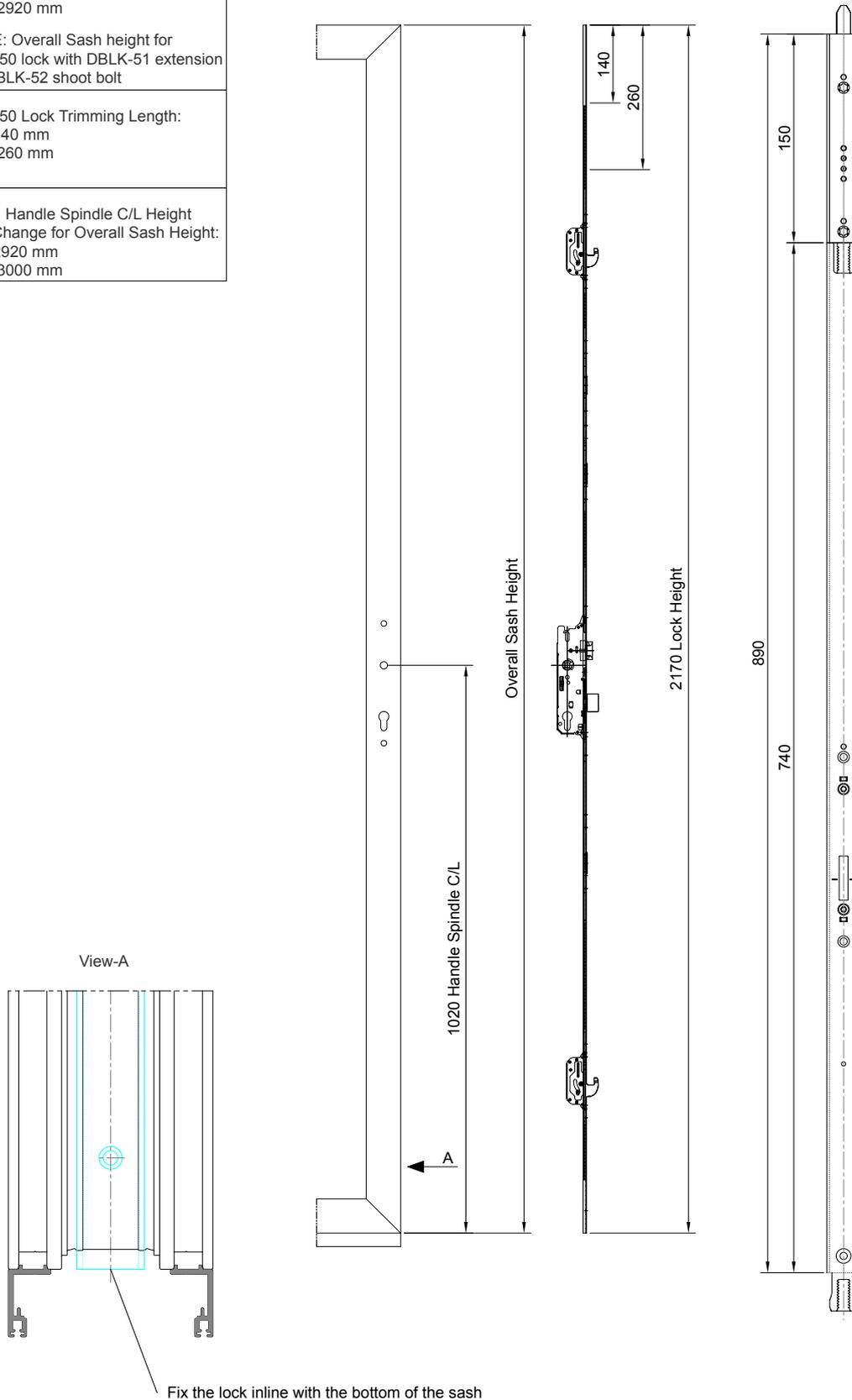
BF73 SYSTEM

DBLK-50 Lever-Espag Lock Configurations



<p>Overall Sash Height: Min - 2800 mm Max - 2920 mm</p> <p>-NOTE: Overall Sash height for DBLK-50 lock with DBLK-51 extension and DBLK-52 shoot bolt</p>
<p>DBKL-50 Lock Trimming Length: Min - 140 mm Max - 260 mm</p>
<p>NOTE: Handle Spindle C/L Height Must Change for Overall Sash Height: Min - 2920 mm Max - 3000 mm</p>

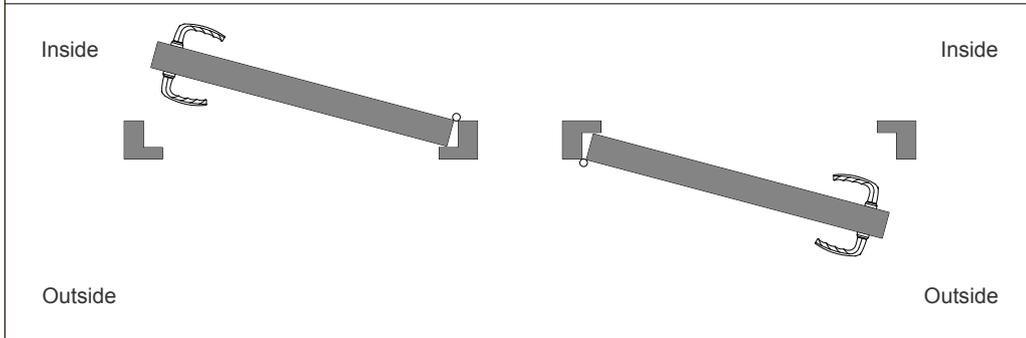
BF73 SYSTEM DBLK-50 Lever-Espag Lock Configurations



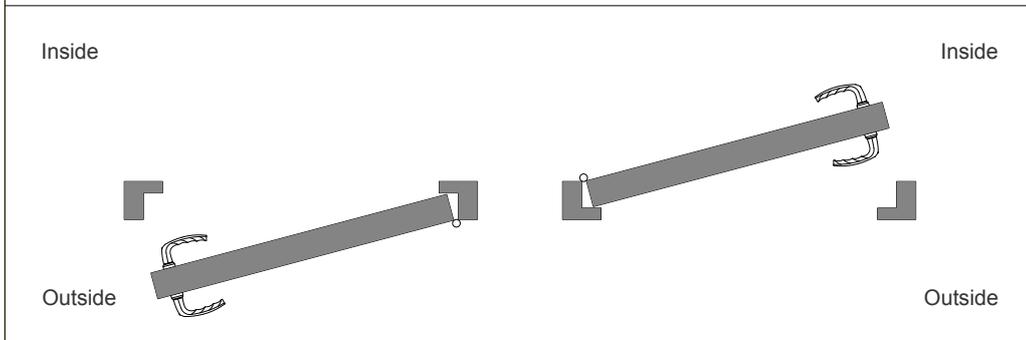
BF73 SYSTEM

DBLK-50 Lever-Espag Lock Configurations

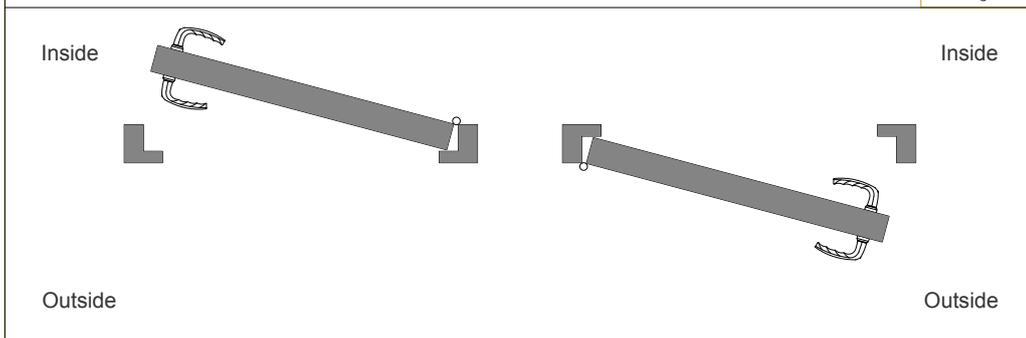
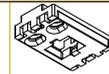
DBLK-50/RH Lock Choice



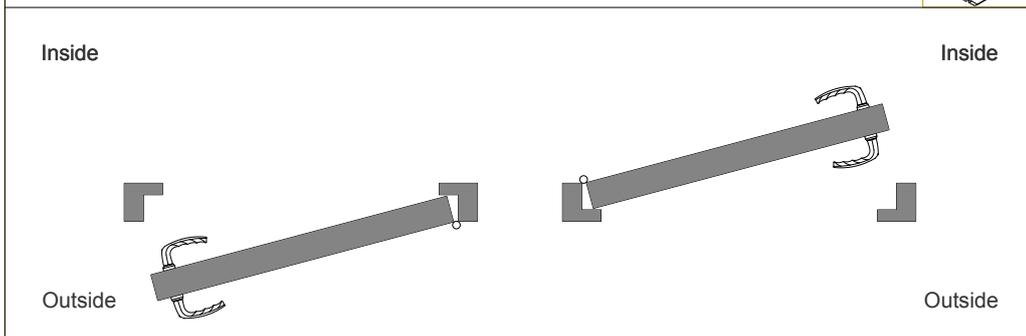
DBLK-50/LH Lock Choice



DBLK-53/RH Keep Choice

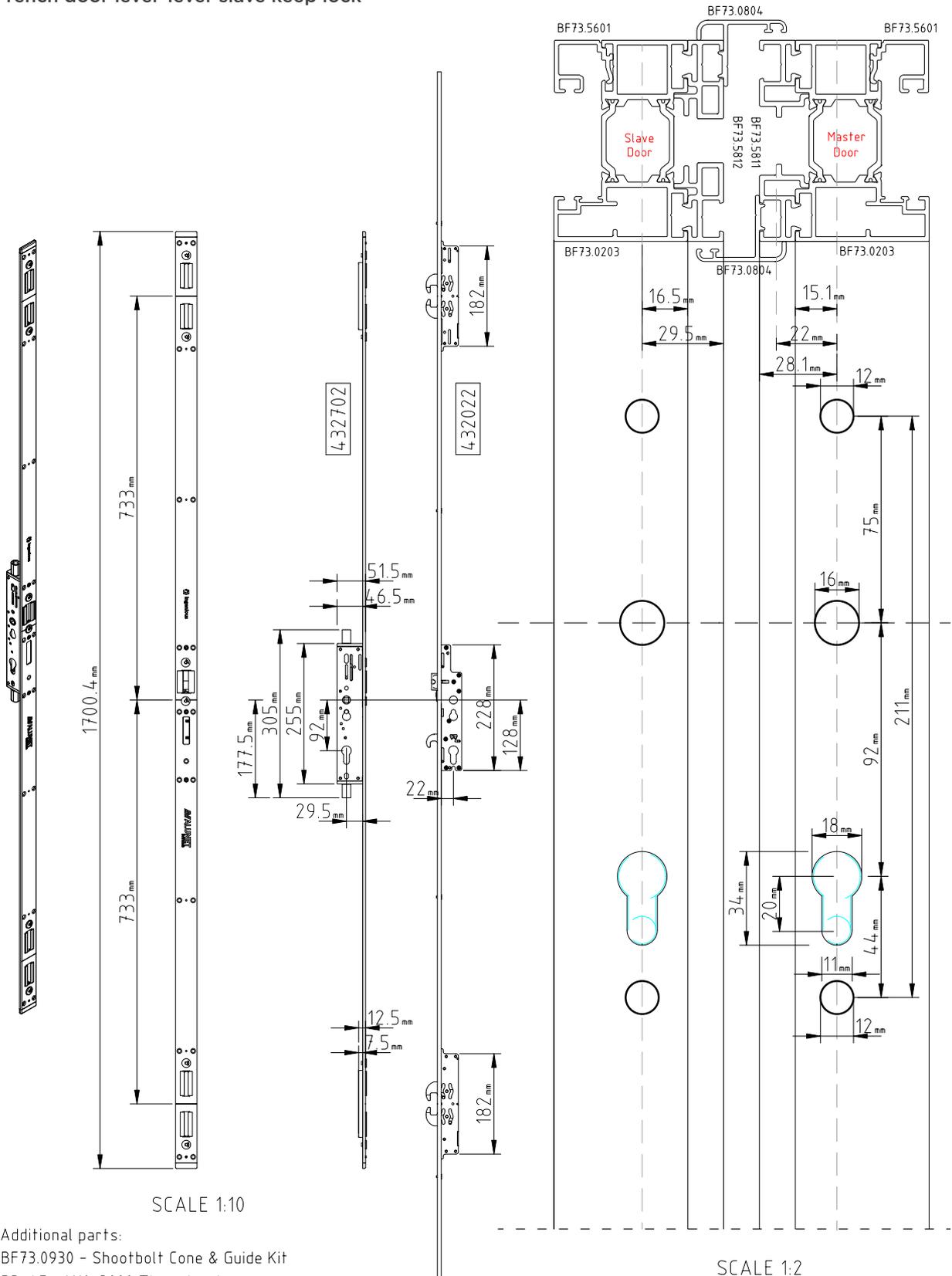


DBLK-53/LH Keep Choice



BF73 SYSTEM

French door lever-lever slave keep lock

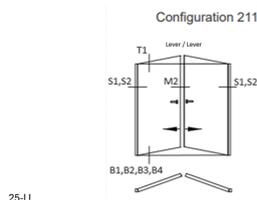


SCALE 1:10

SCALE 1:2

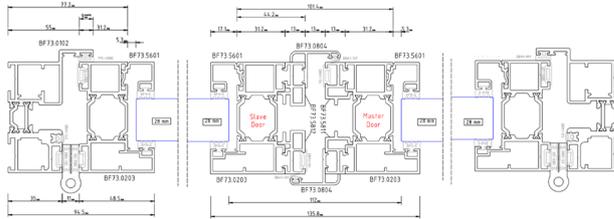
Additional parts:
 BF73.0930 - Shootbolt Cone & Guide Kit
 DB-45 - M10x3000 Thread rod

BF73 SYSTEM Lever-lever material



25-LL

1800 <- Wf
2100 <- Hf



Cutting Details

Article	Description - 211 French Open/Out No-Adj. Thresh BF73.0101	Drawing	End Cuts	Reference	QTY
BF73.0101	Outer Frame			Wf	2 1800.0 mm
BF73.0101	Outer Frame			Hf	2 2100.0 mm
BF73.0203	Super Slim Sash Profile			Ws=(Wf-131)/2 (35+11+2x12+11+35)	4 834.5 mm
BF73.0203	Super Slim Sash Profile			Hs=Hf-116.5 (35+11+24.5+11+35)	4 1983.5 mm
BF73.0813	Sash extension profile (new)			Ws+13	4 847.5 mm
BF73.5601	Clip-in Glazing bead for 28mm units			Ws-62.6 (31.2+31.2+0.2)	4 771.9 mm
BF73.5601	Clip-in Glazing bead for 28mm units			Hs-97.2 (48.5+48.5+0.2)	4 1886.3 mm
BF73.0804	Swing door rebate			Hs+24.5	2 2008.0 mm
BF73.5811	Door Lock Adapter 13mm			Hs	2 1983.5 mm
BF73.5812	Door Keep Adapter 13mm			Hs	2 1983.5 mm

2x	28mm D/G Units		
Glass Wydth		BF75.0203 - Wg=Ws-73	761.5 mm
		BF75.0201 - Wg=Ws-86	748.5 mm
Glass Height		BF75.0203 - Hg=Hs-73	1910.5 mm
		BF75.0201 - Hg=Hs-86	1897.5 mm

Wf - Frame width without addon or cupler

Hf - Frame height without addon or cill

Hs - Sash height

Ws - Sash Width

Ws1 - Sash Width for (n) sash

Wg - Glass Width

Hg - Glass Height

Optional

Gaskets

Article	Description (mm)	Drawing	Reference
DBA1-144	Flipper seal		(Hf+Wf)*2 7.8 m
DBA1-134	Cover gasket		Hf*4+Wf*2 12.0 m
DBA1-131R	Sash Head/Cill horizontal gasket		Ws*4 3.3 m
FE11-S	Bead and Capive Gasket (BF73.5601& BF73.020X)		(Hs+Ws)*8 22.6 m
DBA1-132	5.5mm Mullion seal		Hs*4 7.9 m
DBA1-137	Rebate flipper seal		Hs*2 4.0 m
FL-01	Frame track infill		(Wf+Hf)*2 7.8 m
FRK541	Weatherpile for Super Slim Sash Extension		Ws*2 1.7 m

For BF73.0101 head and cill DBA1-144 can be replaced with DBA1-140

Hardware

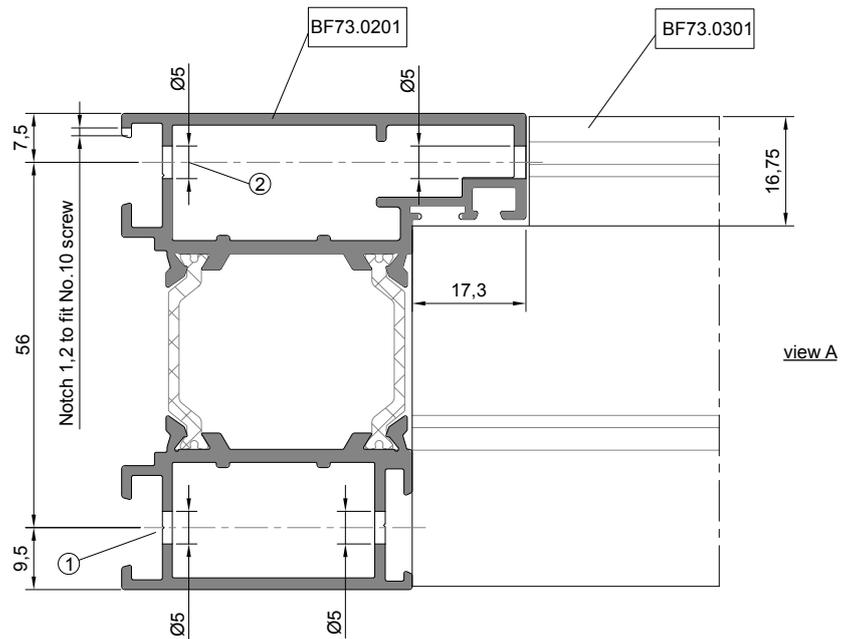
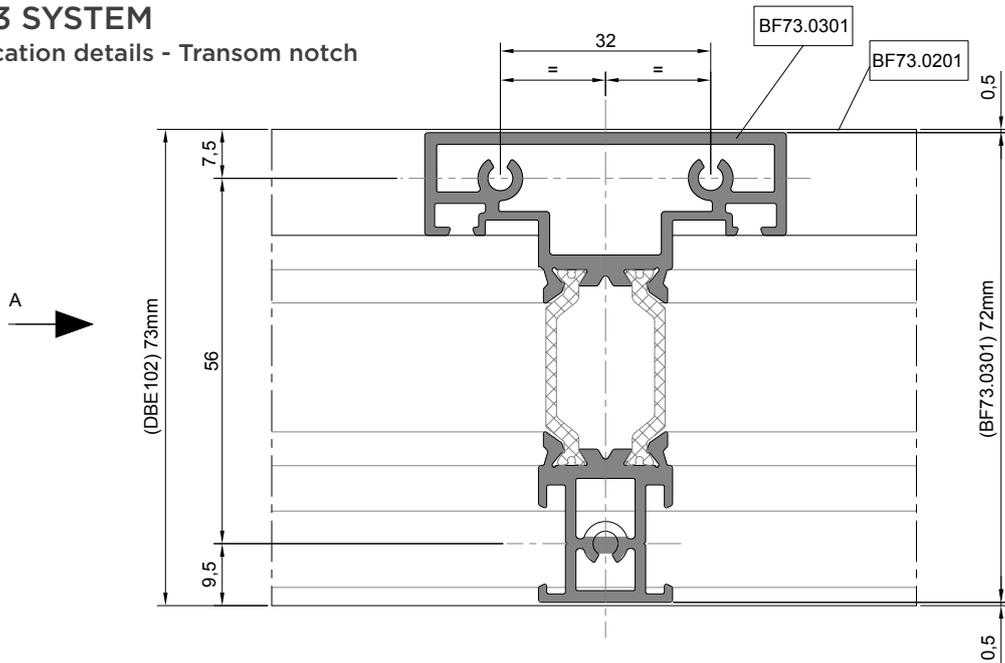
Article	Description (Pc)	Drawing	QTY
BF73.0902K	Cleat for outer frame		8
BF73.0905K	Cleat for sash BF73.0203		16
DBA1-102	Chevron		12
BF73.0910	Sash Extension End Cap		8
DBA1-350N	A1 Hinge		8
432022	Alulock Lock		1
432702	Slave Sash Lock/Keep		1
SWEET-LCSH-LL-xx	Sweet Handle - (AO,BL,WH,CH,SS,GO,RG)		2
5050EDPCB6	Full cylinder 50/50		2
BF73.0930	Shootbolt Cone & Guide Kit with Screws		1
DB-45	M10x3000 Thread rod		1
DBA1-201	Rebate end cap (pair)		2
DBA1-204	Run up block		2
DBA1-205	Anti lift block		2

BF73 SYSTEM Lever-lever vs lever-vivo

M A S T E R	Current setup				New Lever/Lever setup				
	432022	Atulock Lock		1	432022	Atulock Lock		1	
	SWEET-LCSh-LL-xx	Sweet Handle - (AG,BL,WH,CH,SS,GO,RG)		1	SWEET-LCSh-LL-xx	Sweet Handle - (AG,BL,WH,CH,SS,GO,RG)		1	
	5050EDPCB6	Full cylinder 50/50		1	5050EDPCB6	Full cylinder 50/50		1	
S L A V E	BF73.0930	Shootbolt Cone & Guide Kit with Screws		1	BF73.0930	Shootbolt Cone & Guide Kit with Screws		1	
	DB-45	M10x3000 Thread rod		1	DB-45	M10x3000 Thread rod		1	
	DBLK-06	ROBUS Shoot bolt lock for 10mm rod		1	5050EDPCB6	Full cylinder 50/50		1	<- Additional Barrel
	DBLK-26	ROBUS Lock cover for DBLK-05/06		1	SWEET-LCSh-LL-xx	Sweet Handle - (AG,BL,WH,CH,SS,GO,RG)		1	<- Additional Handle
	DBHL-06	VIVOSHORT Handle		1	432702	Slave Saha Lock/Keep		1	<- new part to replace DBLK-06
	DBS-04	Screw: M5 X 10 A2 Pozi		2					Price for part 432702 = £79.80+vat
	432147	Atulock Lock Keep		1					

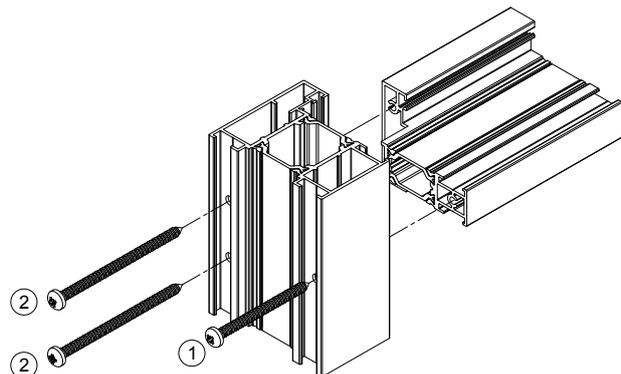


BF73 SYSTEM
Fabrication details - Transom notch



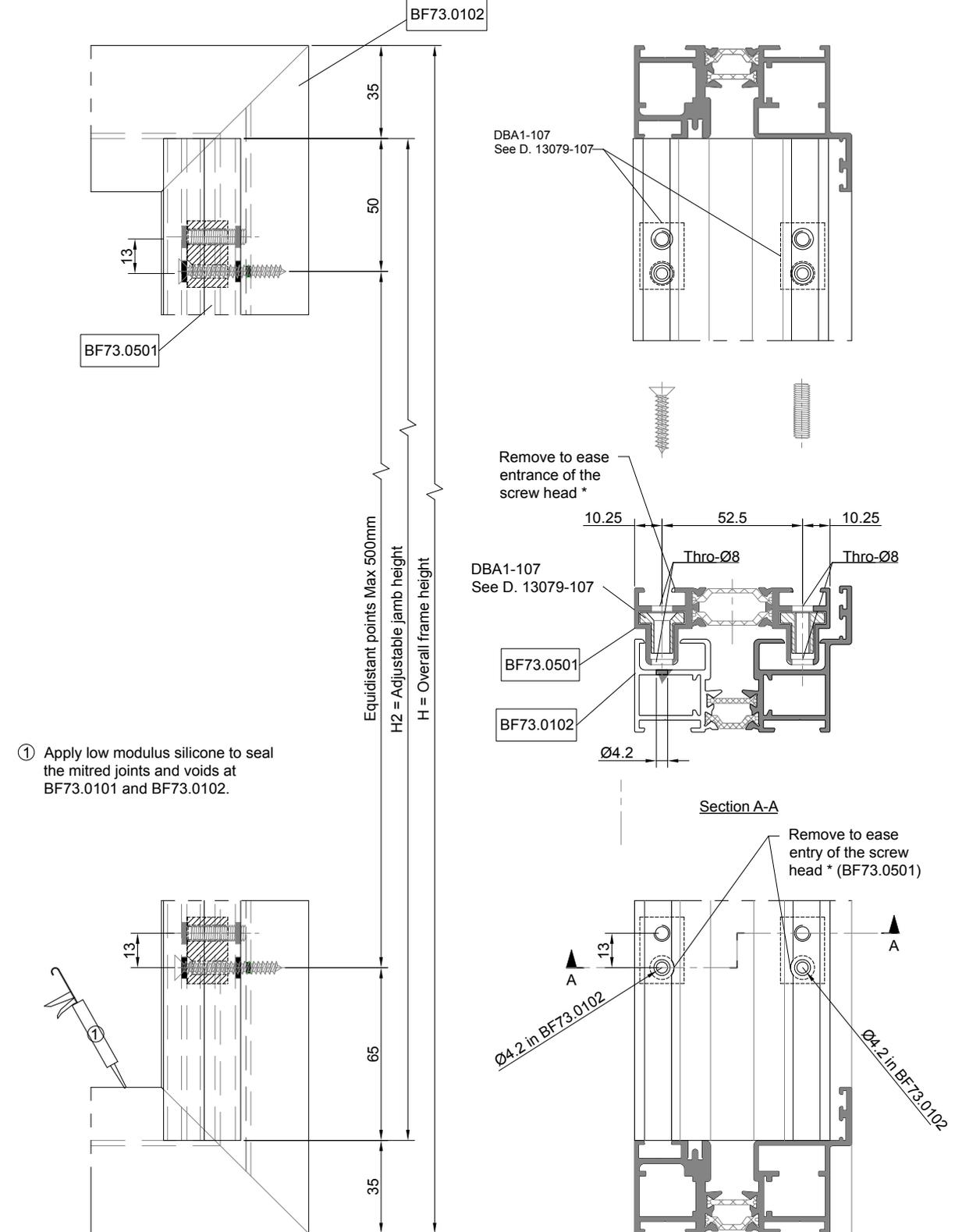
End mill BF73.0301 Transom at both ends to fit against BF73.0201 Sash profile

- ① Self Tapping Pan Head Pozi Screw No.10 x 60mm
- ② Self Tapping Pan Head Pozi Screw No.10 x 80mm



BF73 SYSTEM

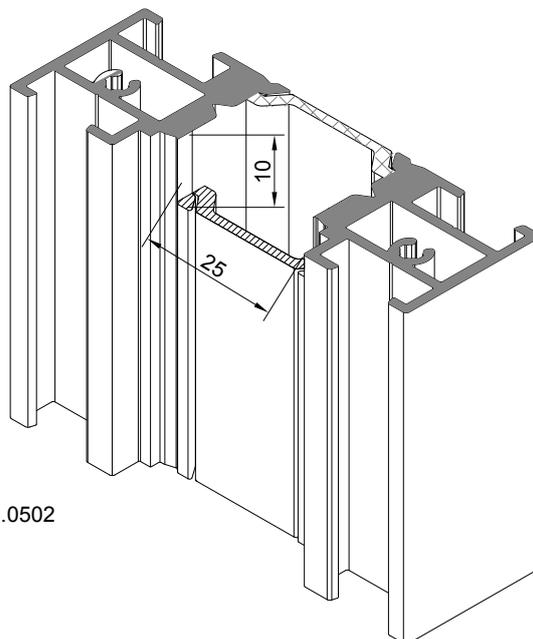
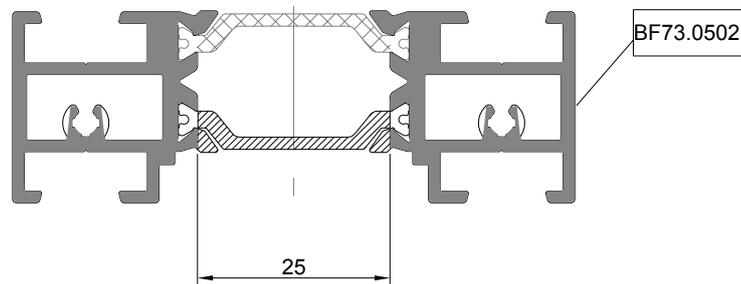
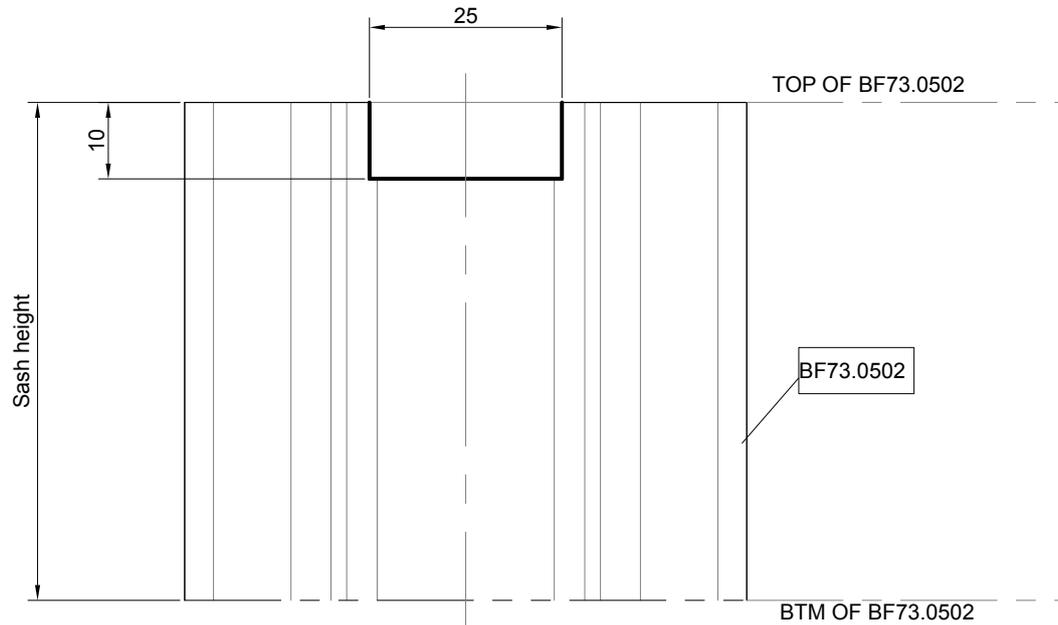
Fabrication details (BF73.0501, BF73.0101)



BF73 SYSTEM

Fabrication details - Sliding post notch for top guide

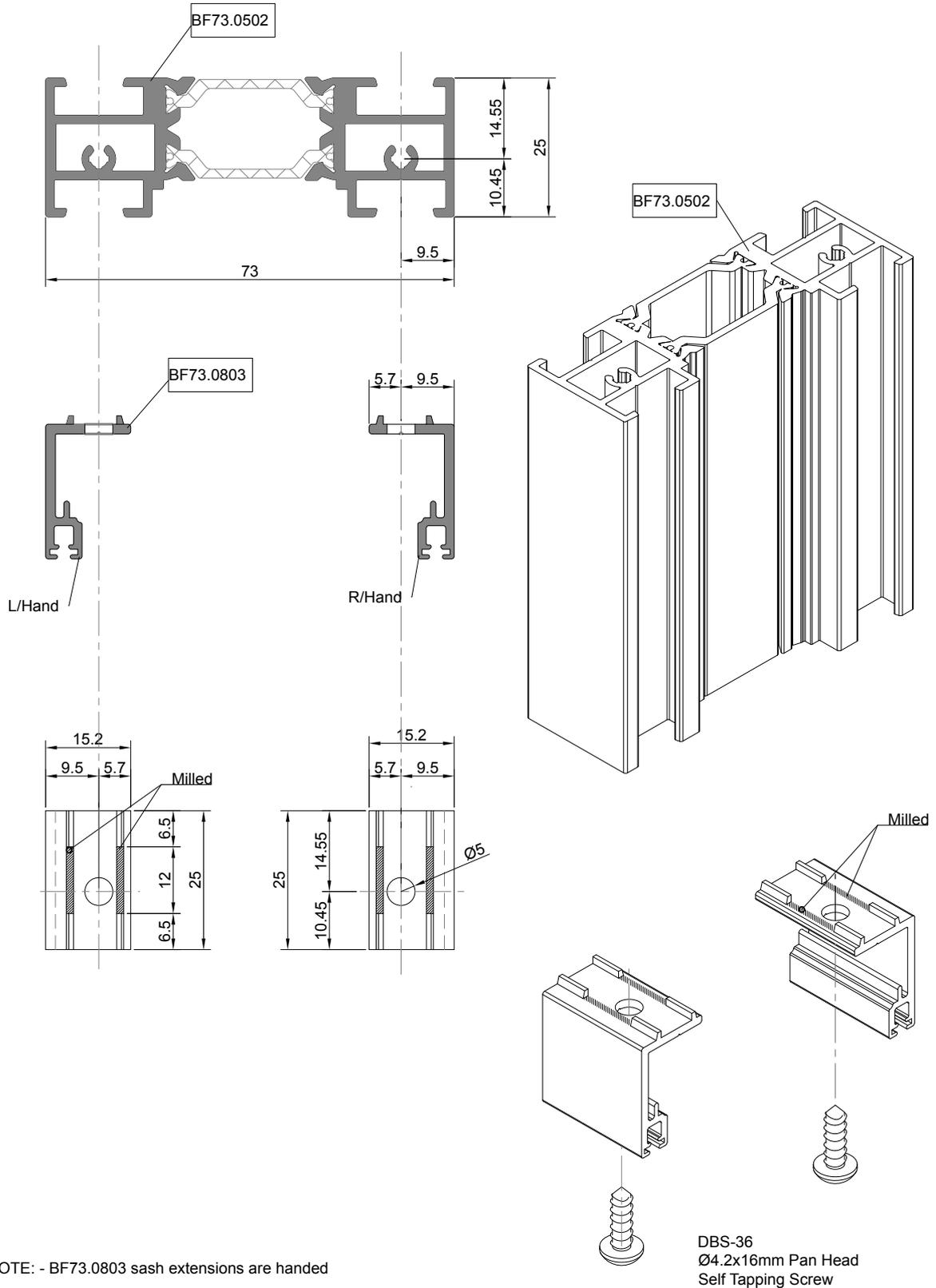
DBA1-354

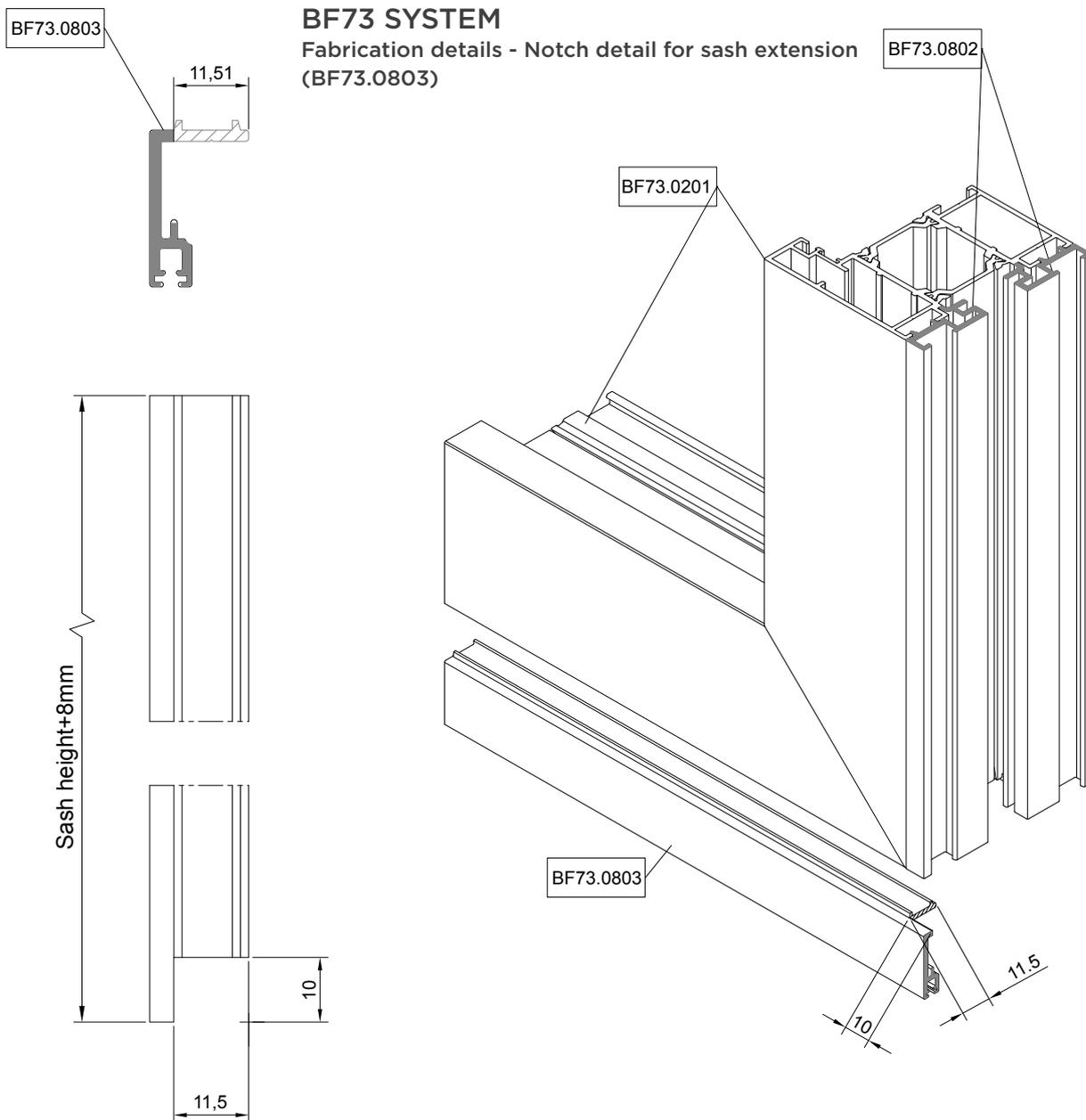


Notch only through one polyamide in BF73.0502 to fit top sliding post guide DBA1-354

BF73 SYSTEM

Fabrication details - Sash extension preparation

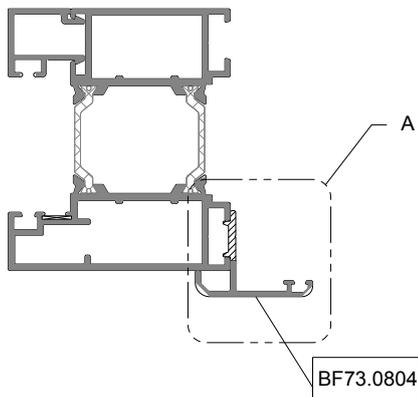
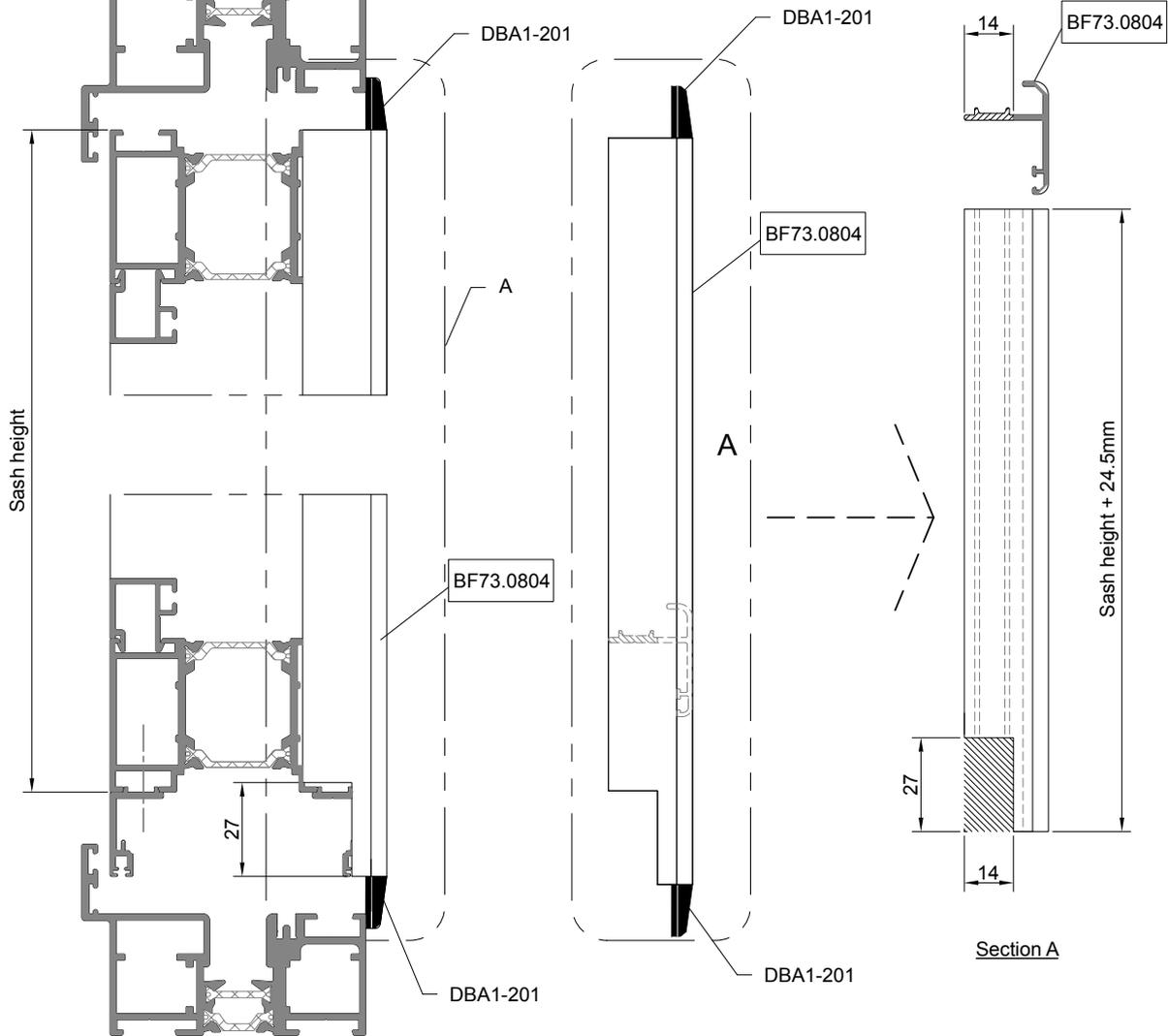




NOTE:
BF73.0803 Sash Extension is 8mm longer when
BF73.0801 Lock Adaptor and BF73.0802 Keep adaptor
are applied at lead edge of pass/swing door.

BF73 SYSTEM

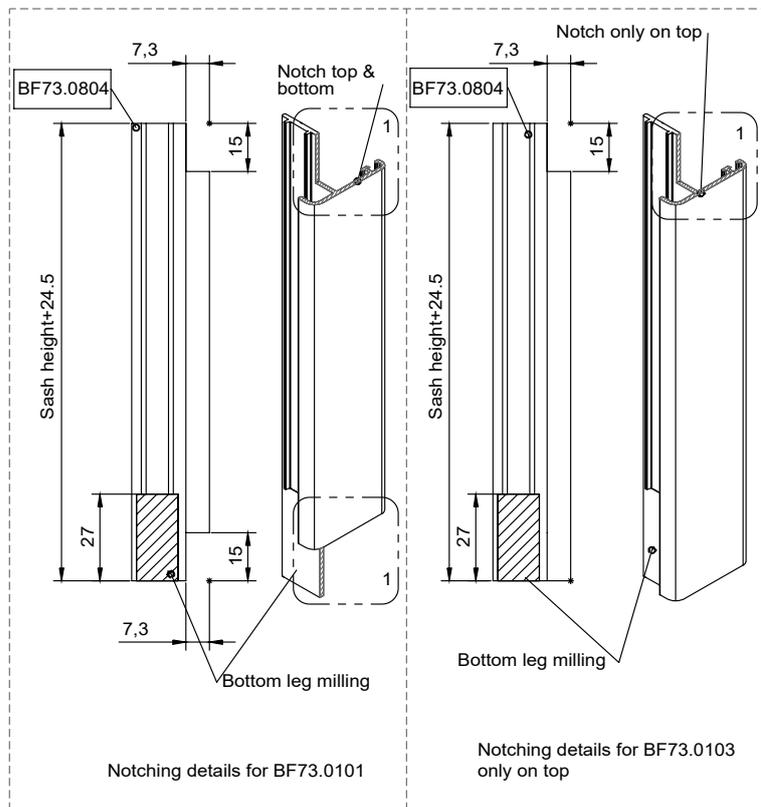
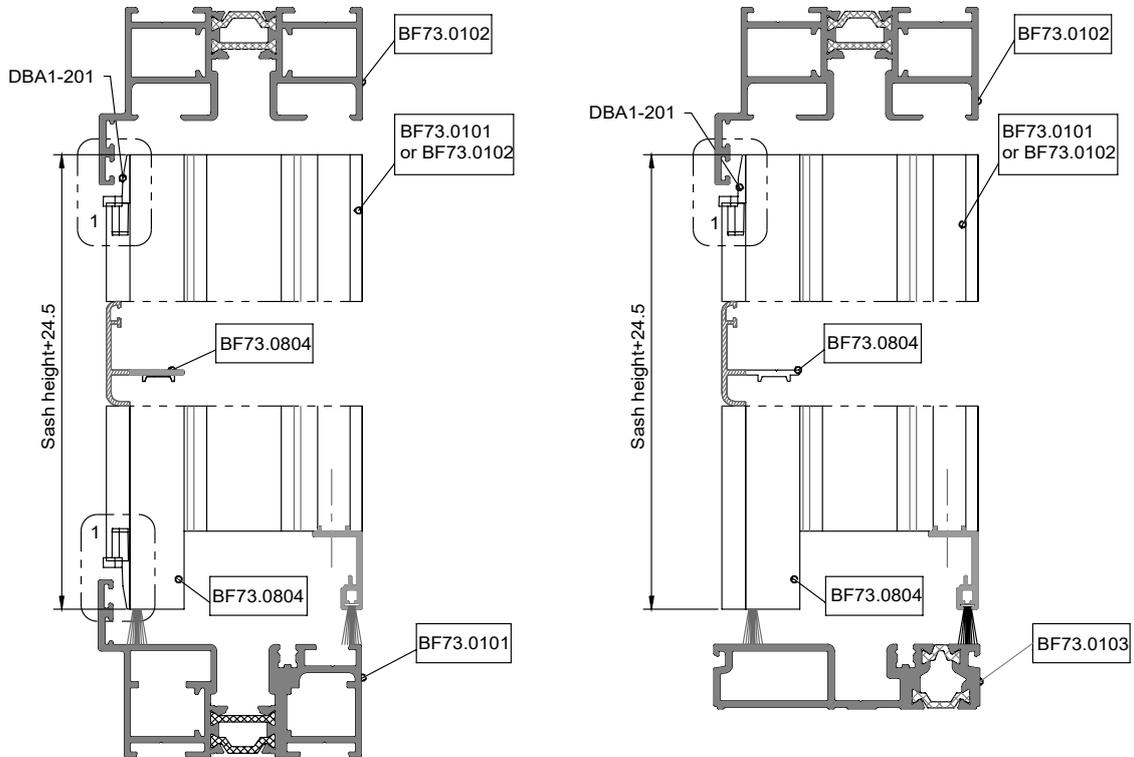
Fabrication details (External rebate Cill notch detail)



BF73 SYSTEM

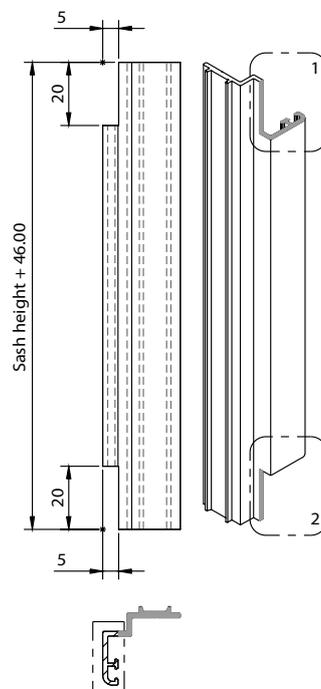
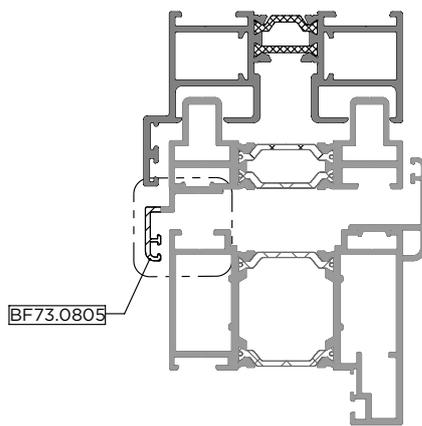
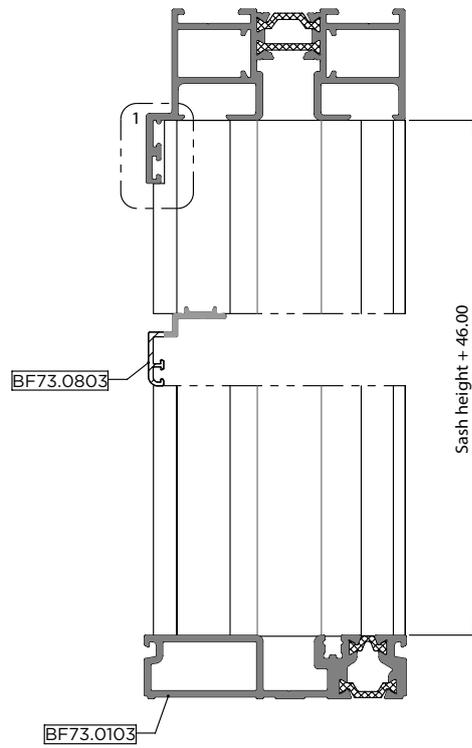
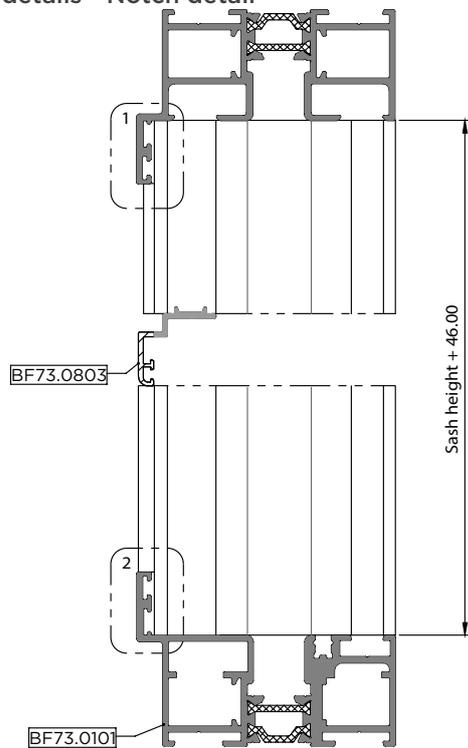
Fabrication details - Notch detail

Rebate BF73.0804 Notching Detail for Slave Door
When BF73.0103 is installed, the notch will be only at the top

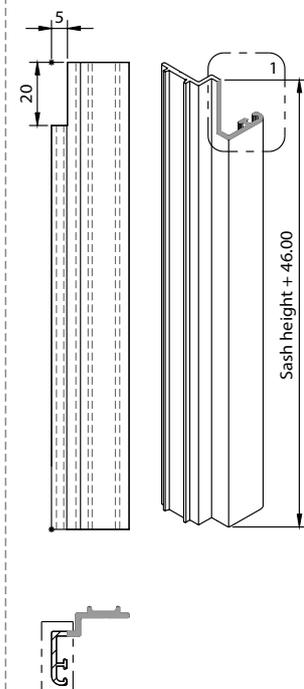


BF73 SYSTEM

Fabrication details - Notch detail



Notching details for BF73.0101

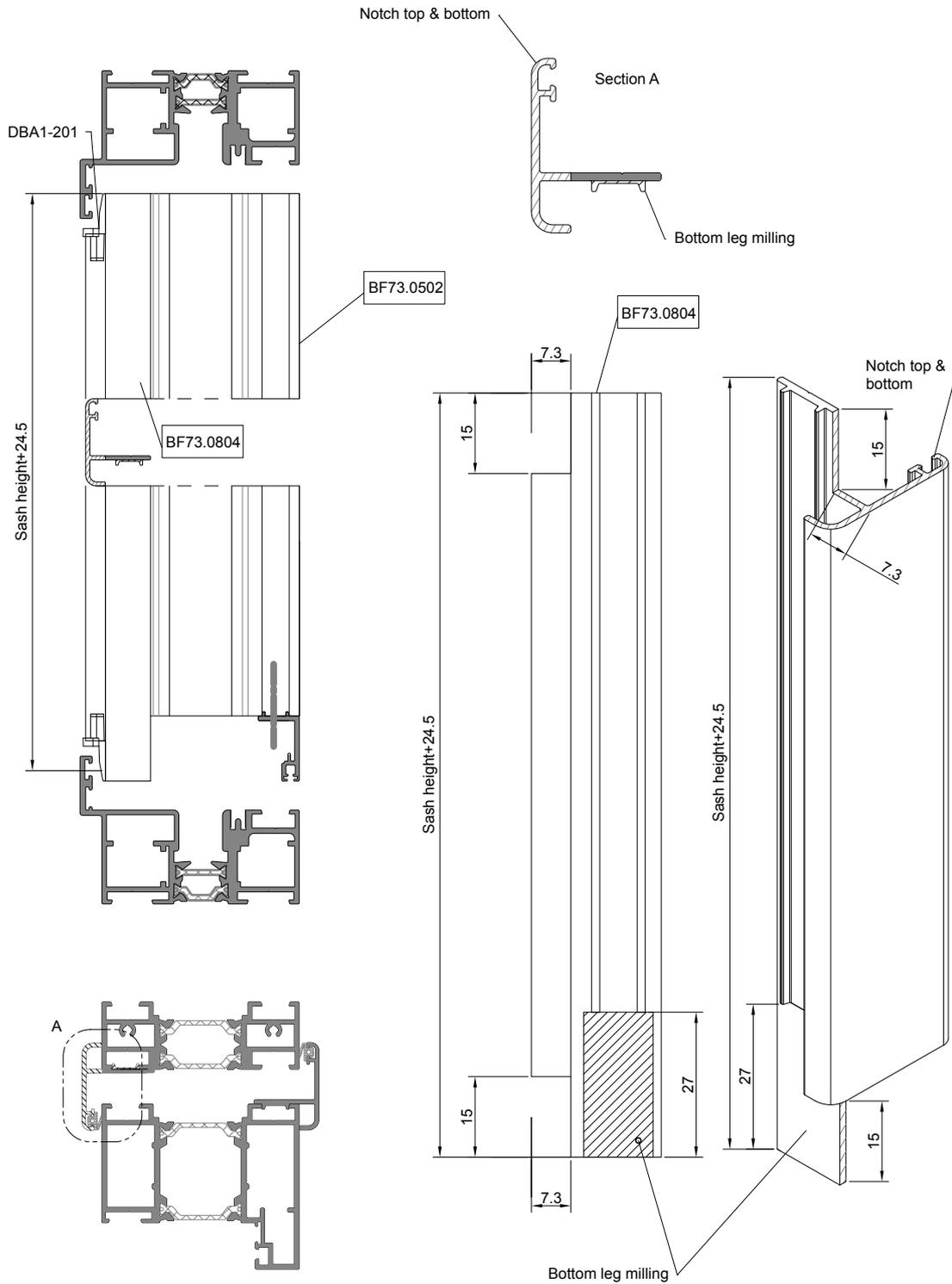


Notching details for BF73.0103 only on top

BF73 SYSTEM

Fabrication details - Notch detail

Rebate BF73.0804 Notching Detail for Sliding Post and Slave Door

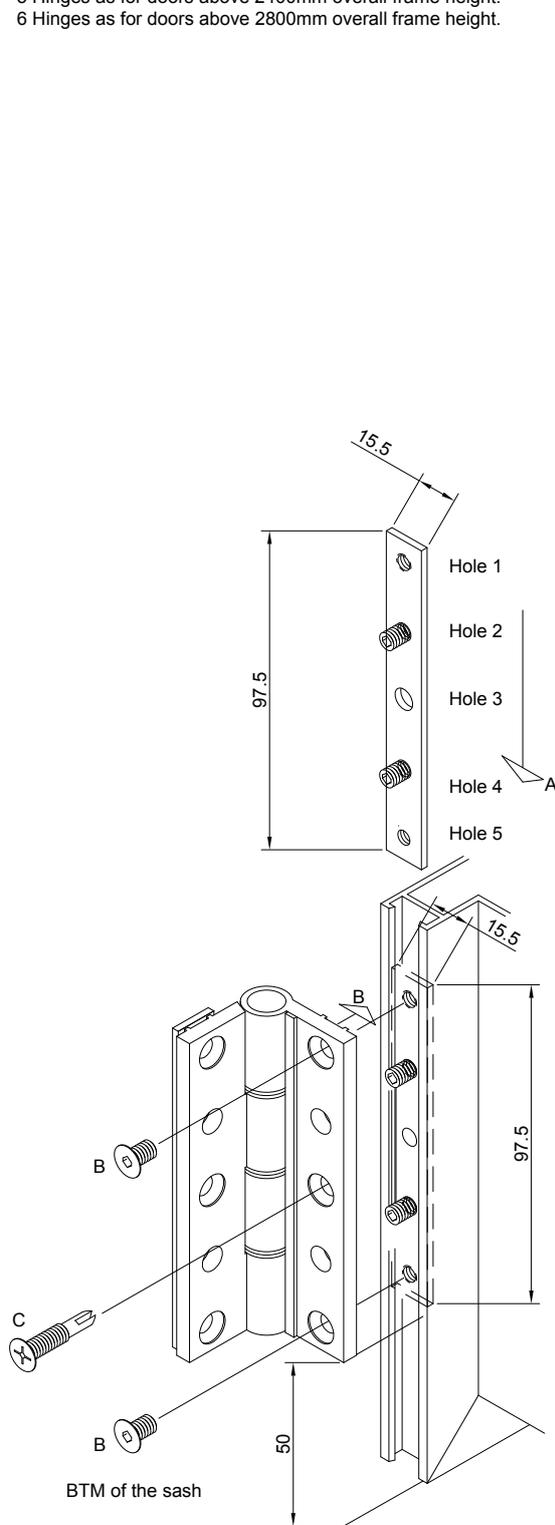


Reference - Use:-

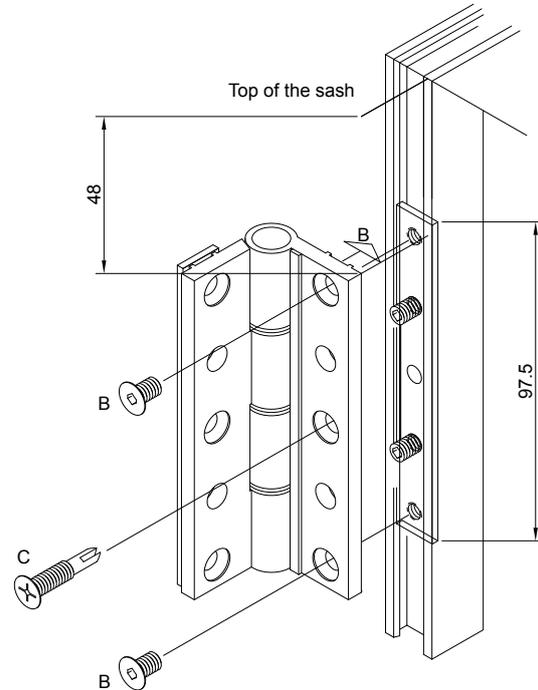
- 4 Hinges as standard on doors up to 2400mm overall frame height.
- 5 Hinges as for doors above 2400mm overall frame height.
- 6 Hinges as for doors above 2800mm overall frame height.

BF73 SYSTEM

Hinge setting out positions



HINGE DBA1-350N TYPICAL INSTALLATION



A. Start the two M5 grub screws into the fixing plate at positions 2 and 4. Slide fixing plates into the vertical extrusion (prior to sash assembly) and set positions. Slightly tighten the grub screws to hold the fixing plate in position. Be aware of the lock locations and fit hinge either above or below to avoid clashing with the handle.

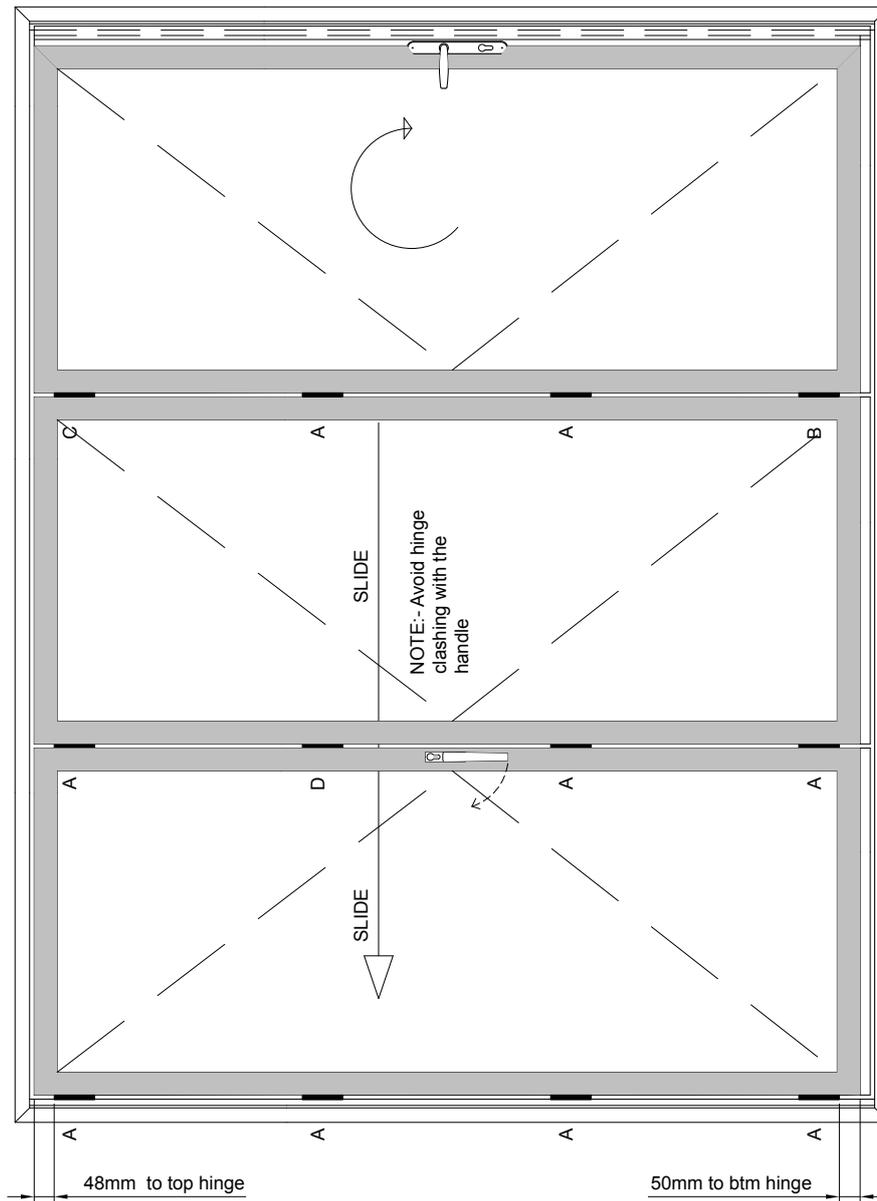
B. Locate the Hinge leaf over the fixing plate and secure with hex countersunk screws x 2no at holes 1 and 5. Adjust hinge positions by easing all screws, reposition as required and re-tighten.

C. When installed on site, secure the hinge in position with 'final fix' countersunk self drilling screw into center hole 3.

NOTE - Do NOT fit this final fix screw until door alignment and set up is satisfactory. N.B. It can be done before or after glazing where 'toe and heeling' the glass will bring the panels back to square.

BF73 SYSTEM Hinge setting out positions

Section 4.6



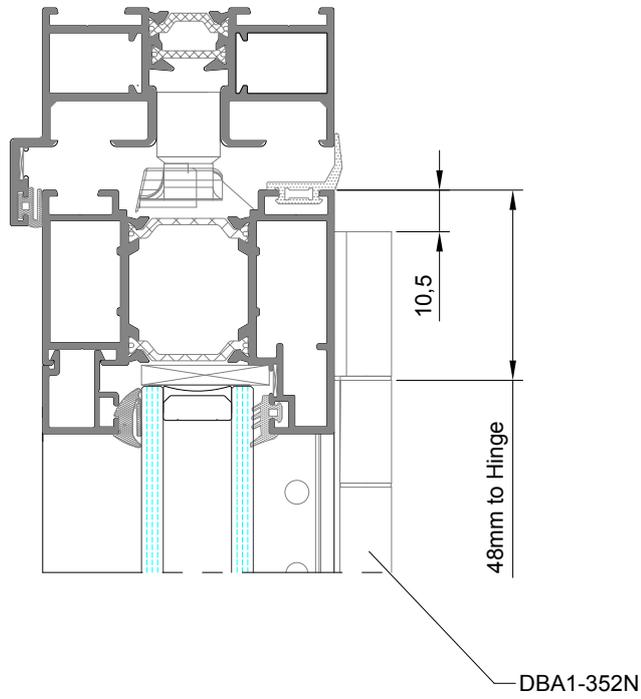
Reference - Use:
 4 Hinges as standard on doors up to 2400mm overall frame height.
 5 Hinges as for doors above 2400mm overall frame height.
 6 Hinges as for doors above 2800mm overall frame height.

Typical layout:
 A = DBA1-350N STD HINGE
 B = DBA1-351N STD BTM ROLLER
 C = DBA1-352N STD TOP GUIDE
 D = DBA1-355N PULL HANDLE

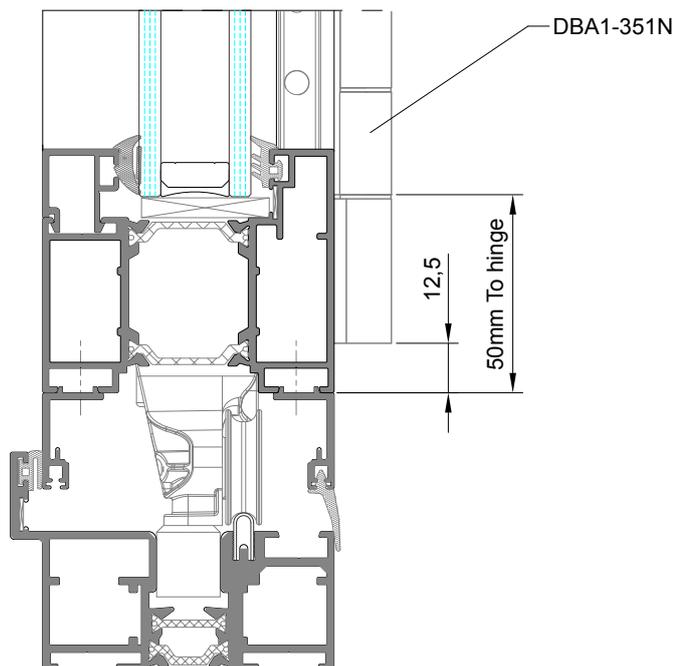
BF73 SYSTEM

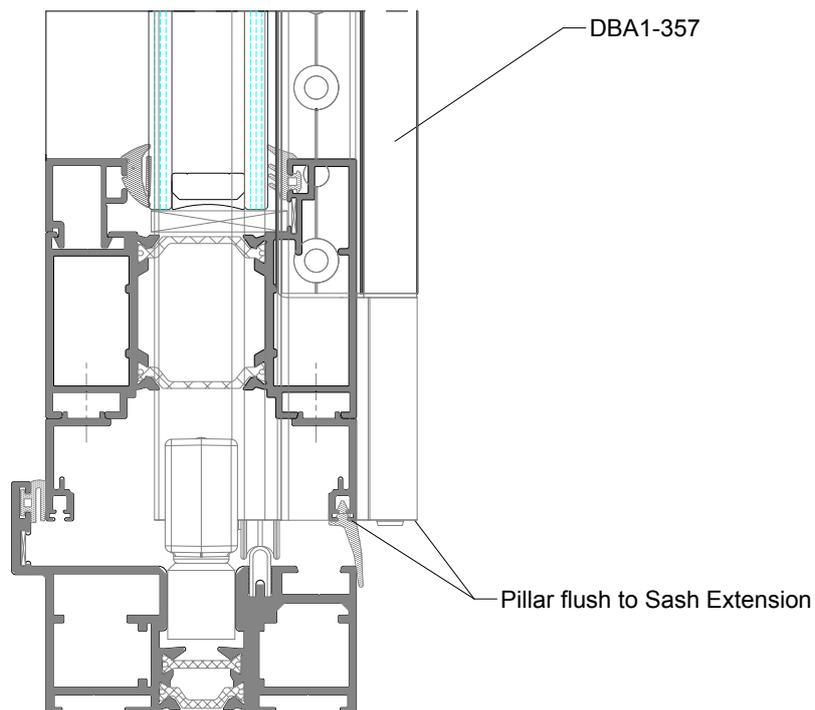
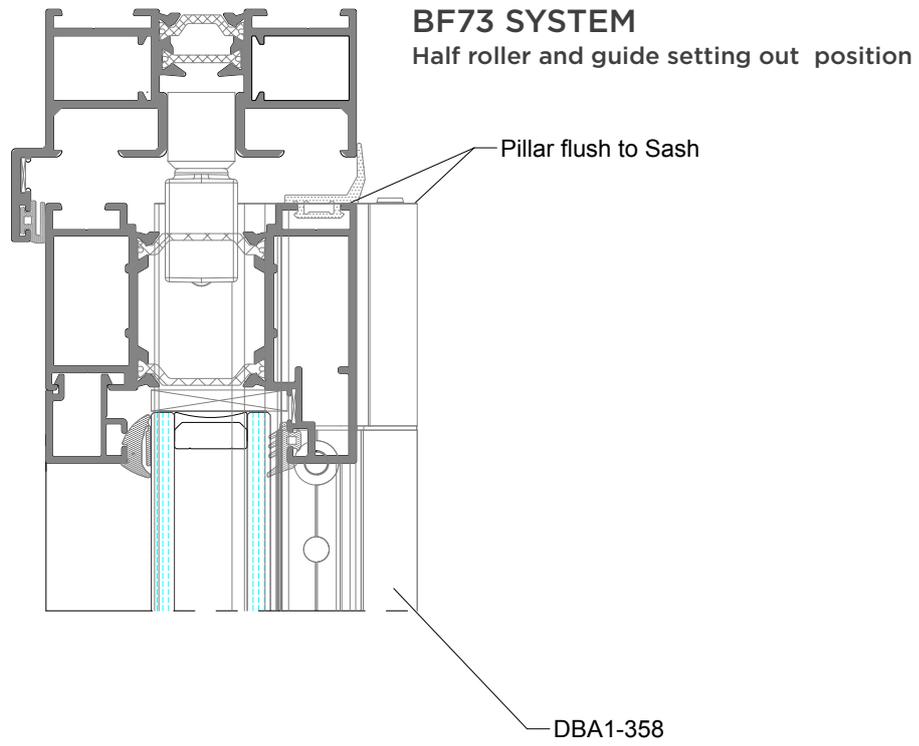
DBA1-352N Top guide hinge and pillar setting out positions

Roller and guide setting out position

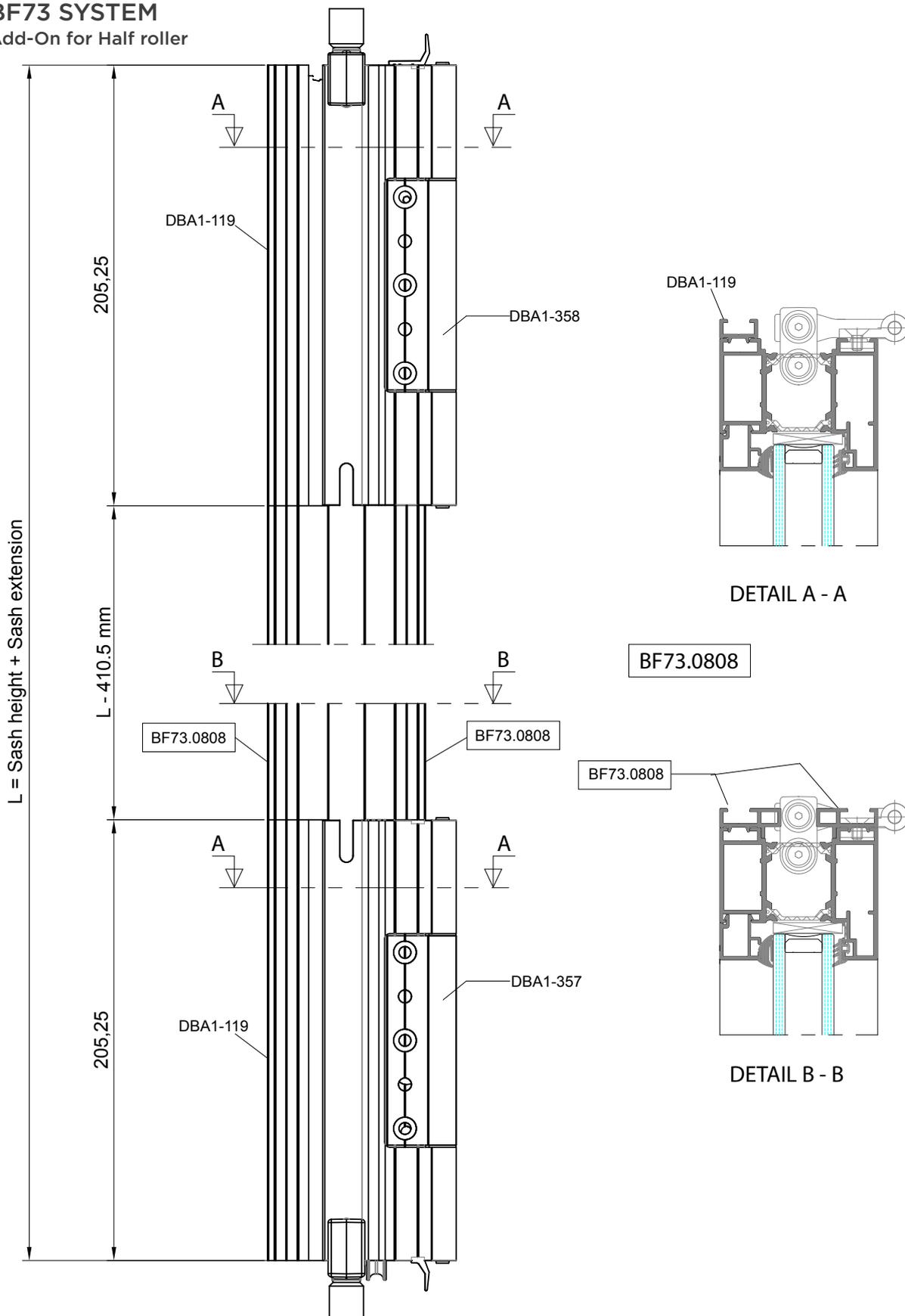


DBA1-351N Bottom roller hinge and pillar setting out positions

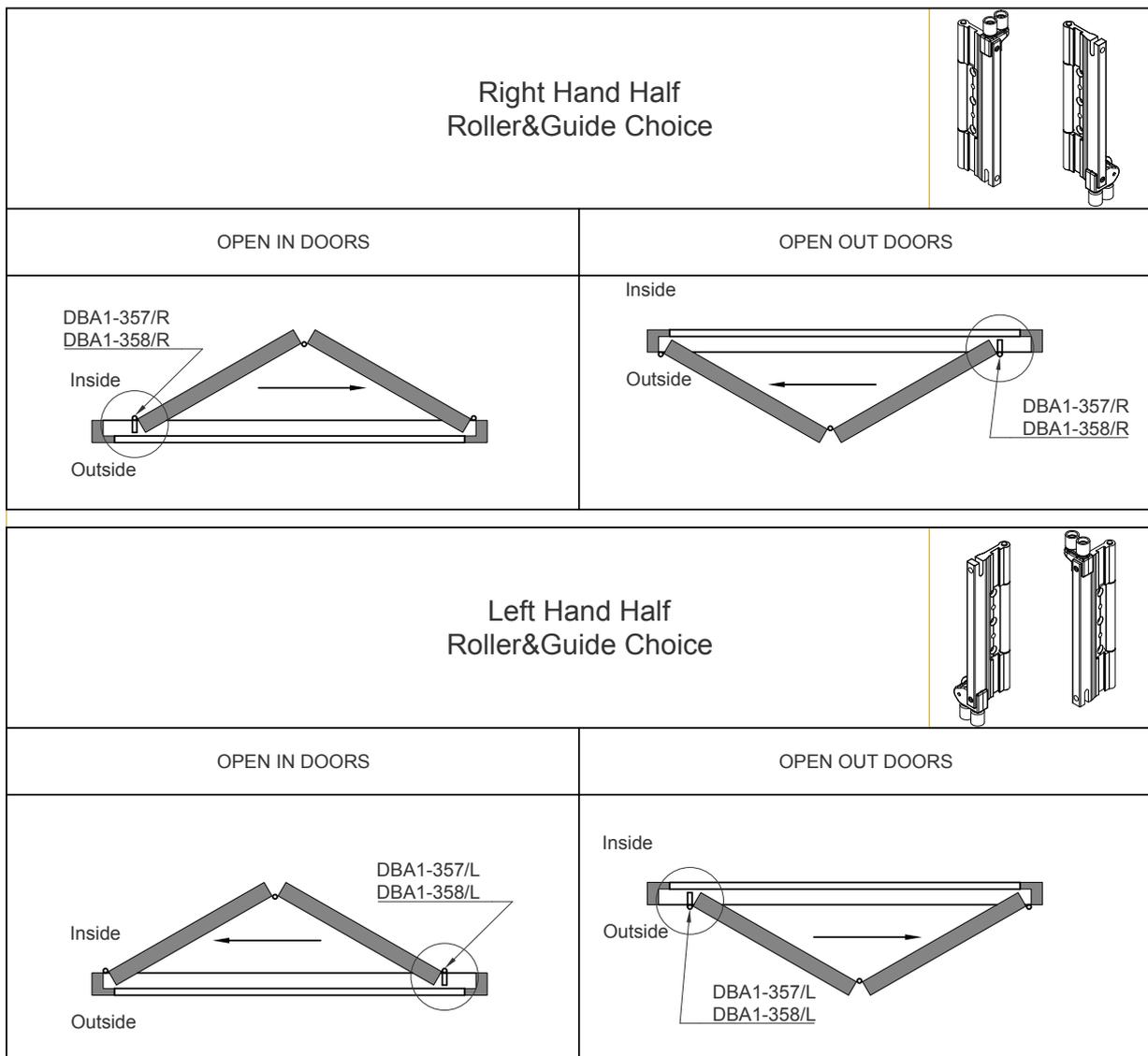




BF73 SYSTEM
Add-On for Half roller

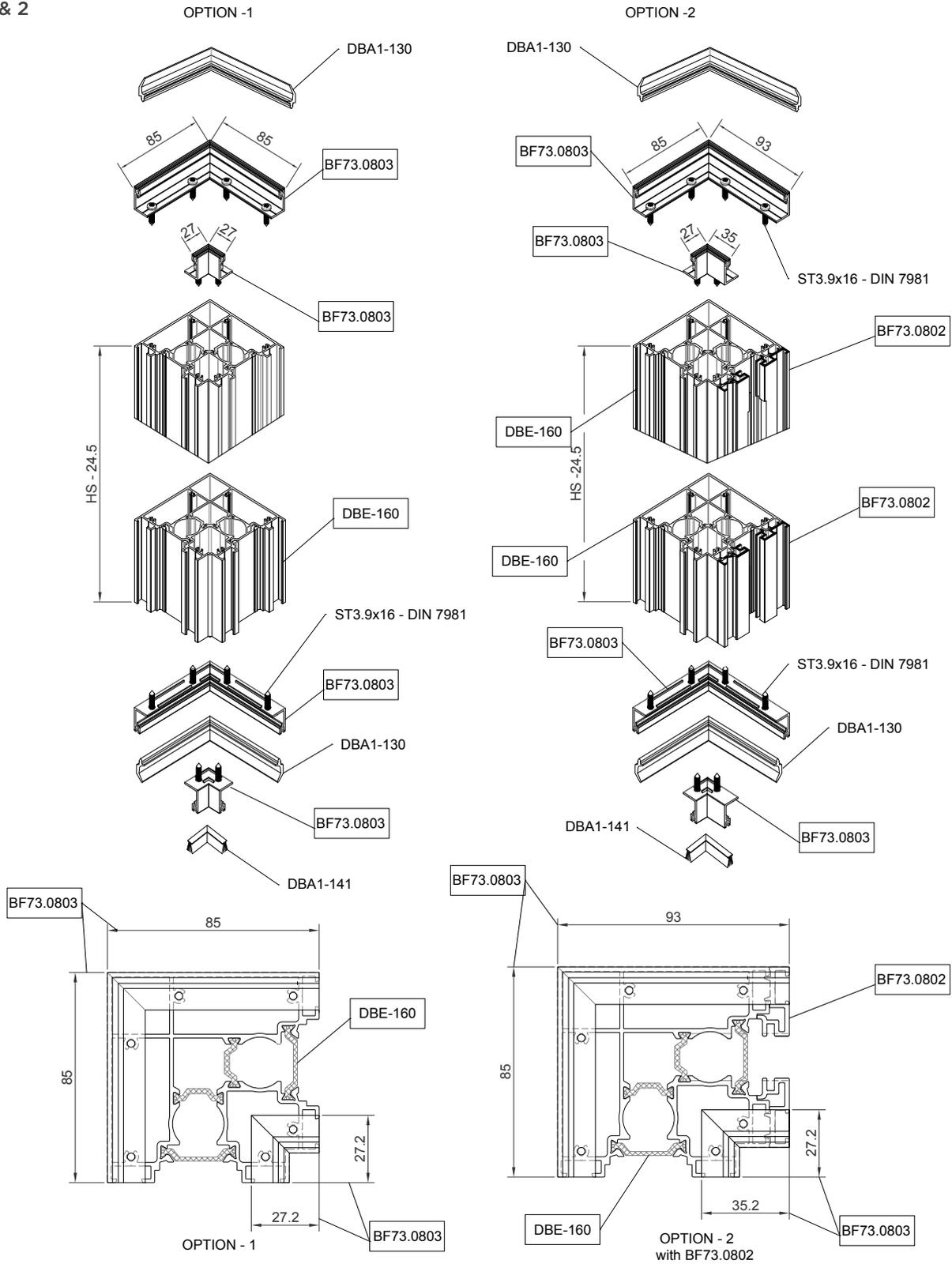


BF73 SYSTEM Half Roller&Guide Configurations



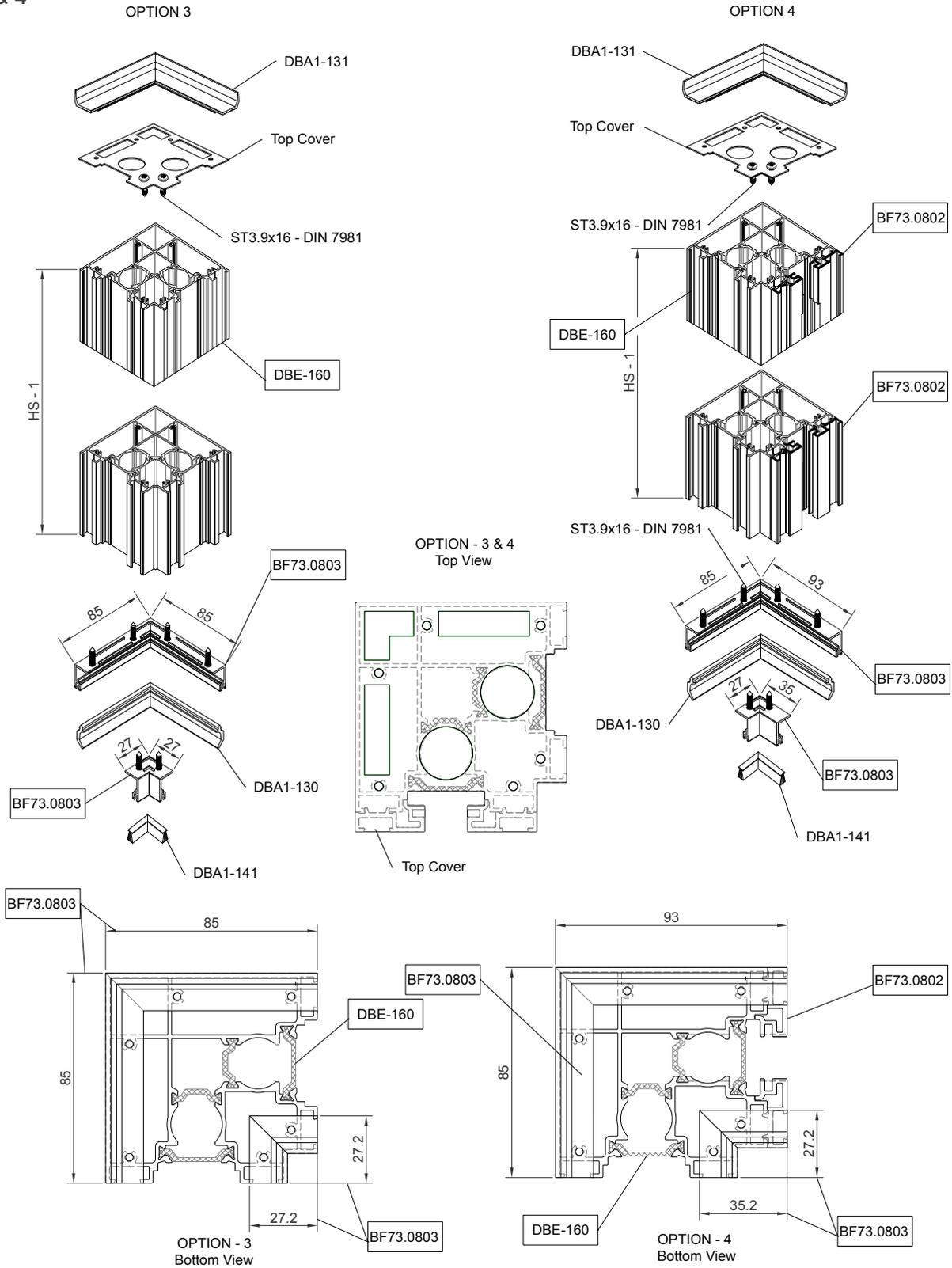
BF73 SYSTEM

Corner Preparation - Gasket Carrier Top and Bottom
Option 1 & 2

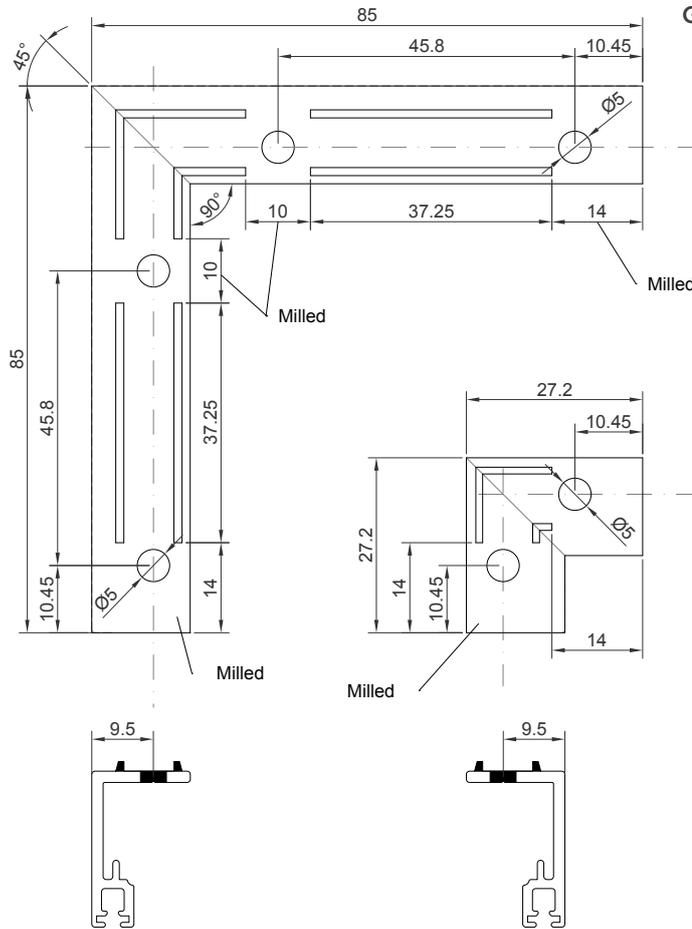


BF73 SYSTEM

Corner Preparation - Gasket Carrier Top and Bottom Option3 & 4



Option 1

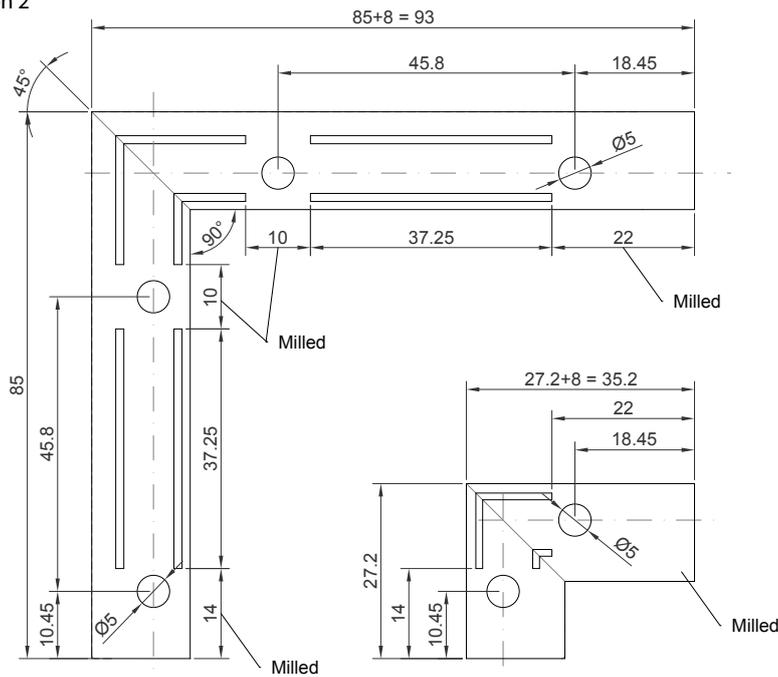


BF73 SYSTEM

Gasket Carrier Preparation for Option 1&2

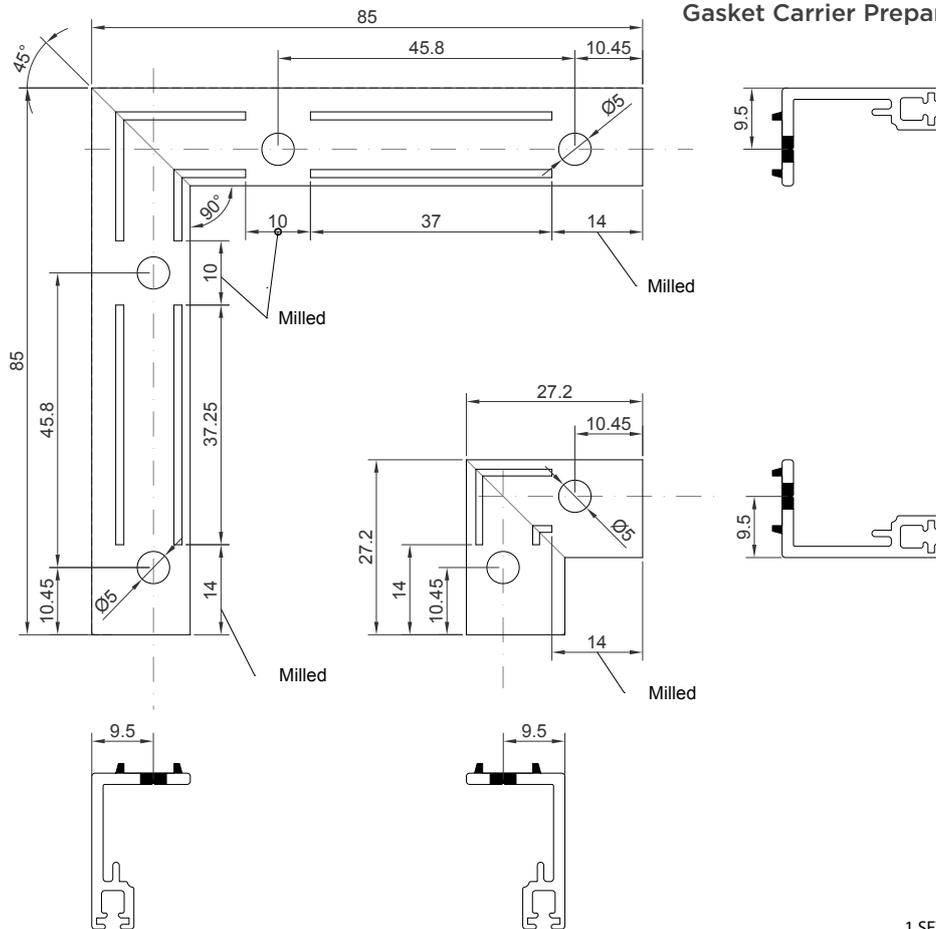
2 SETS PER CORNER
1 for Bottom
1 for Top

Option 2



2 SETS PER CORNER
1 Right for Bottom
1 left for Top

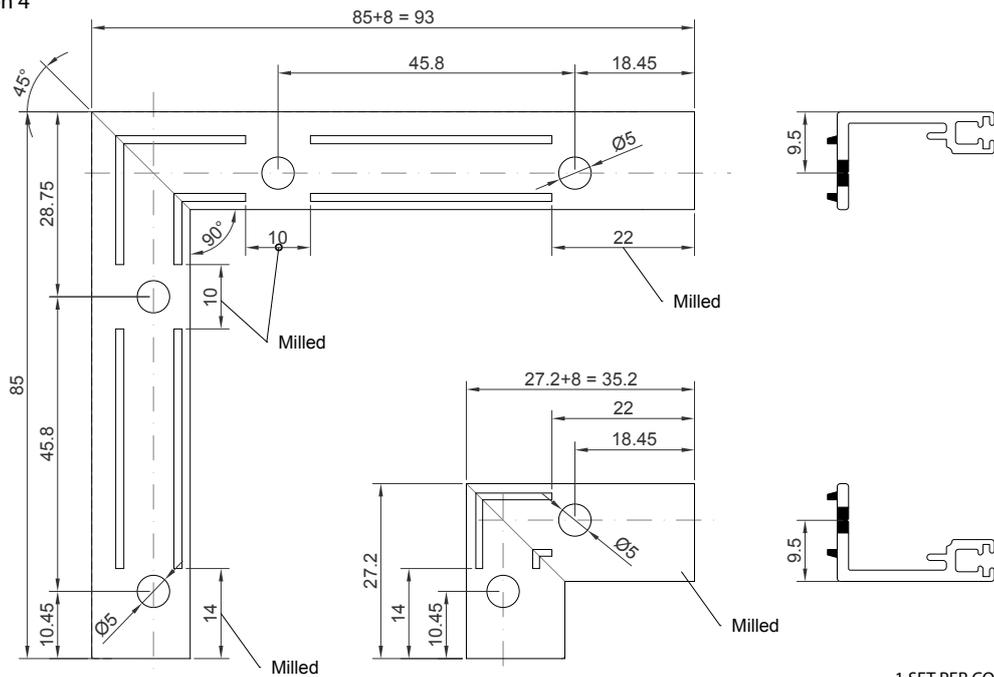
Option 3



BF73 SYSTEM

Gasket Carrier Preparation for Option 3&4

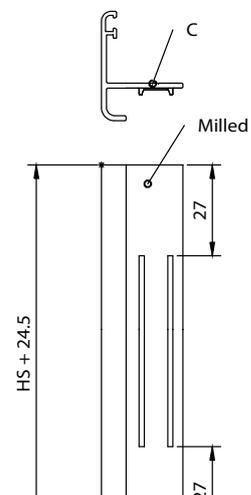
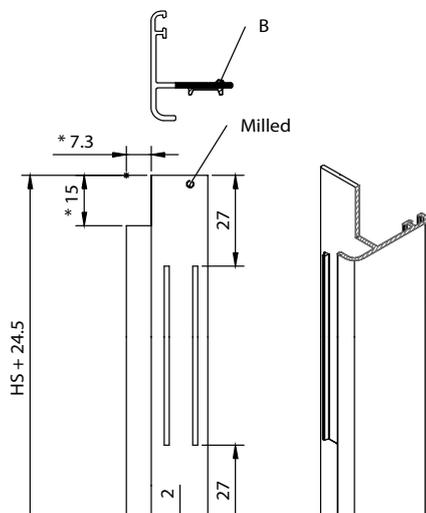
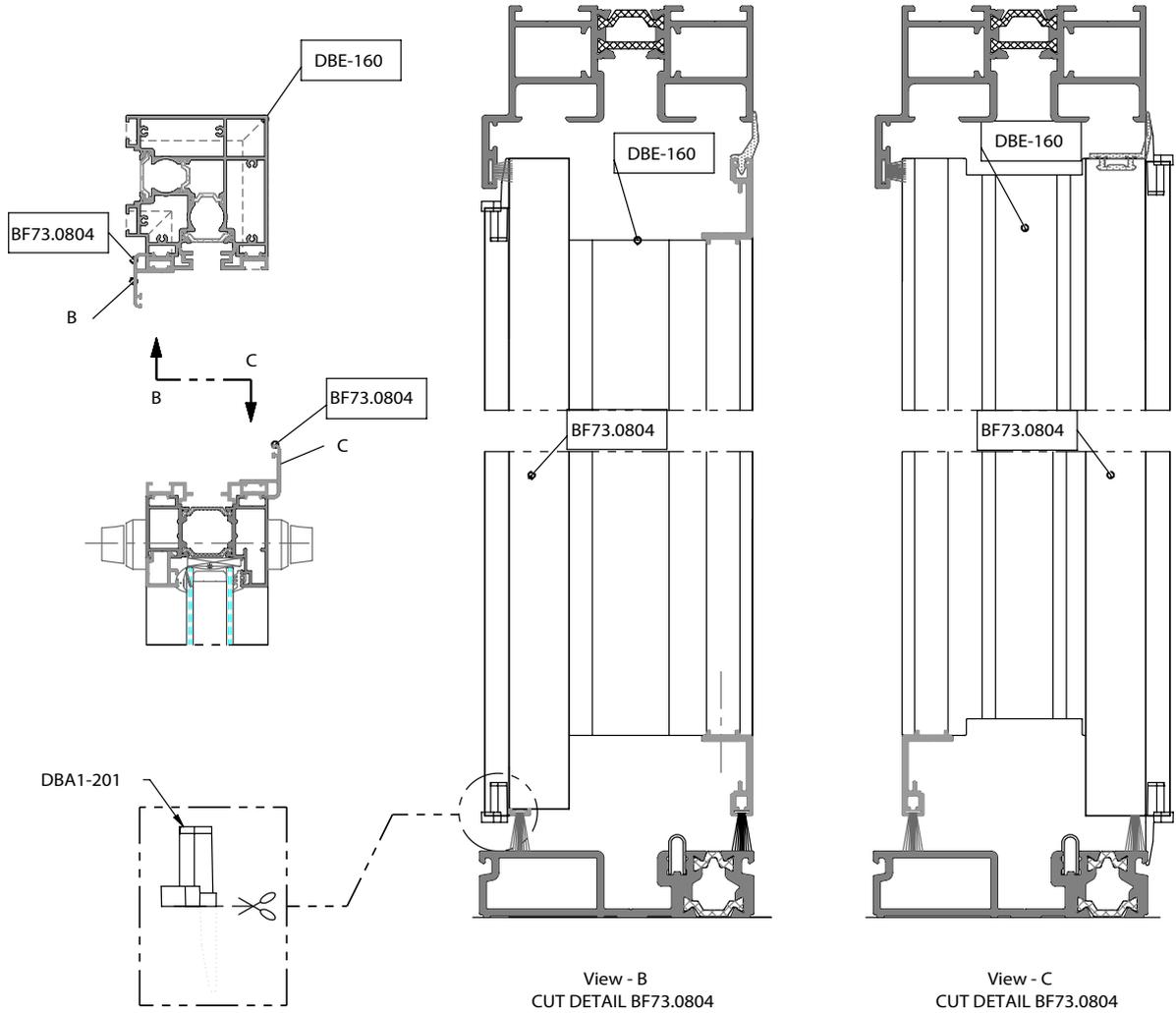
Option 4



1 SET PER CORNER
** HANDED**

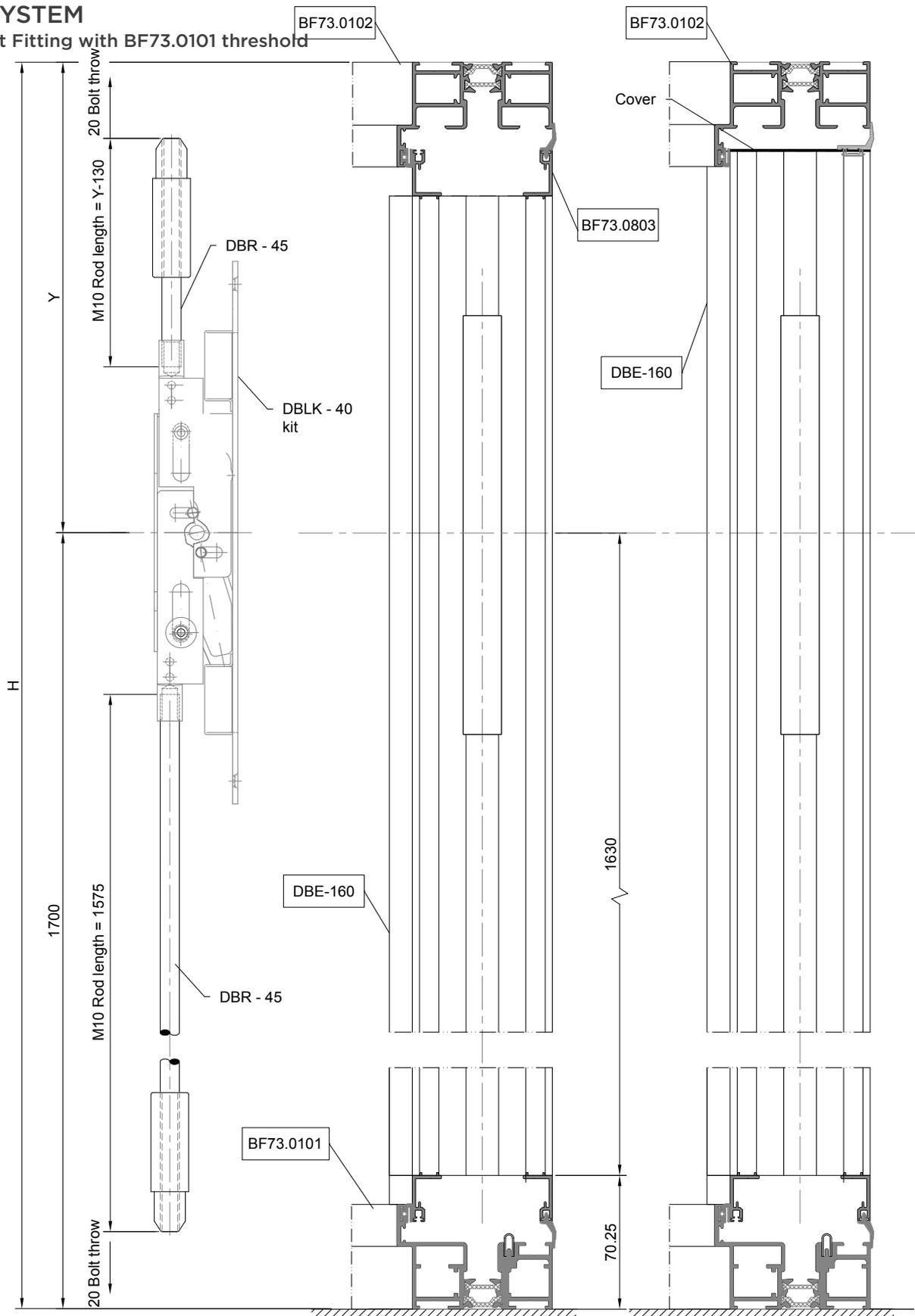
BF73 SYSTEM

Fabrication details - Notch detail for BF73.0804

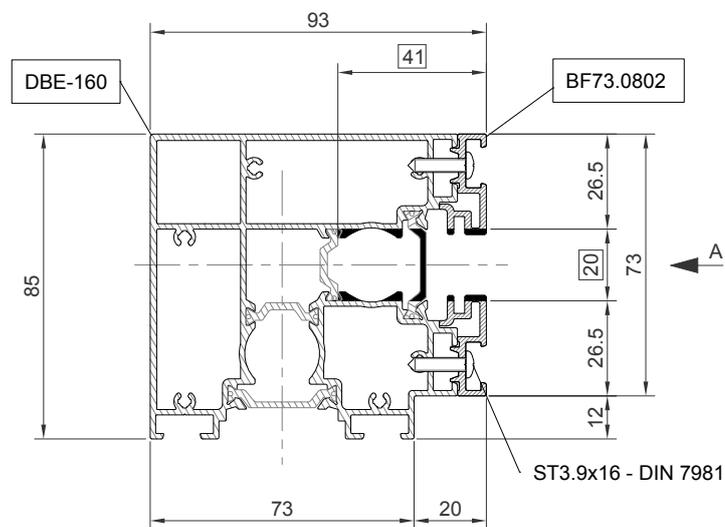
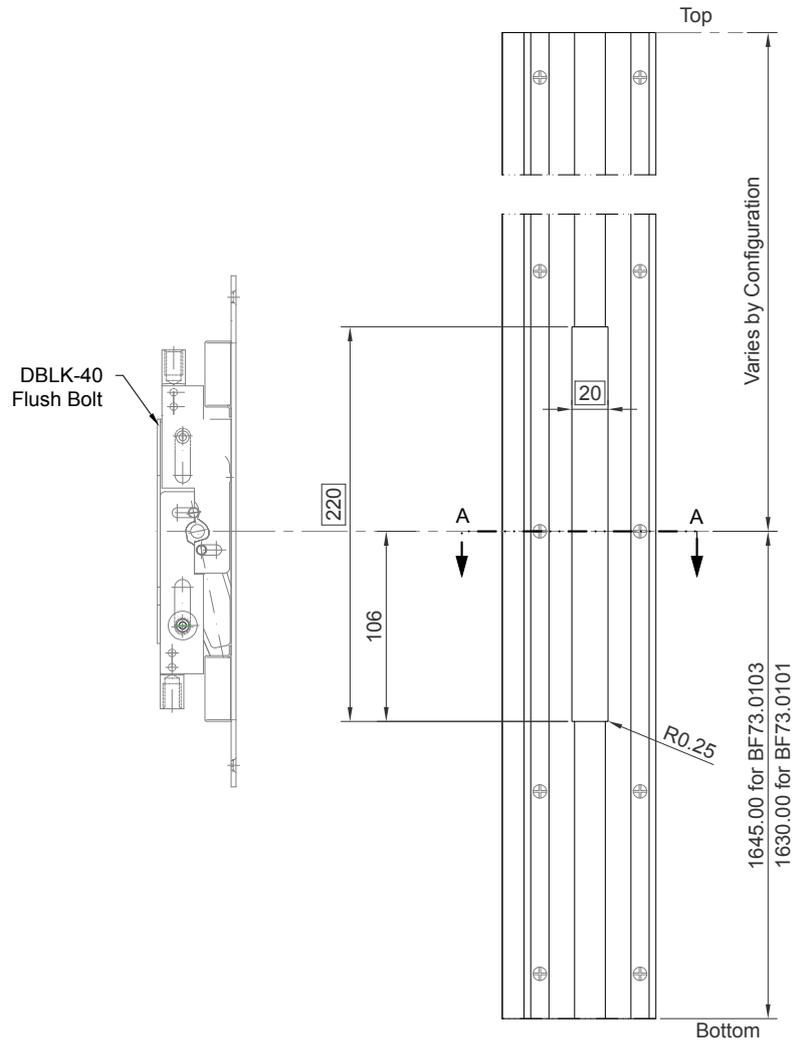


BF73 SYSTEM

Flush Bolt Fitting with BF73.0101 threshold



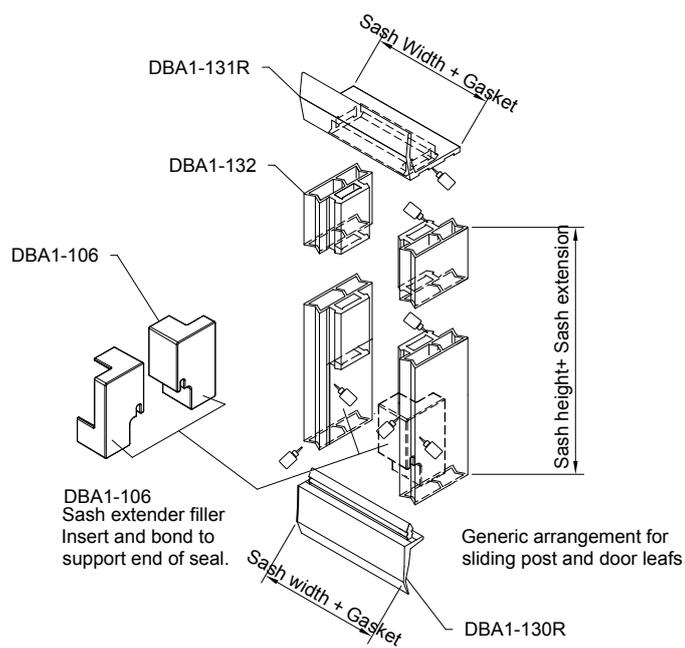
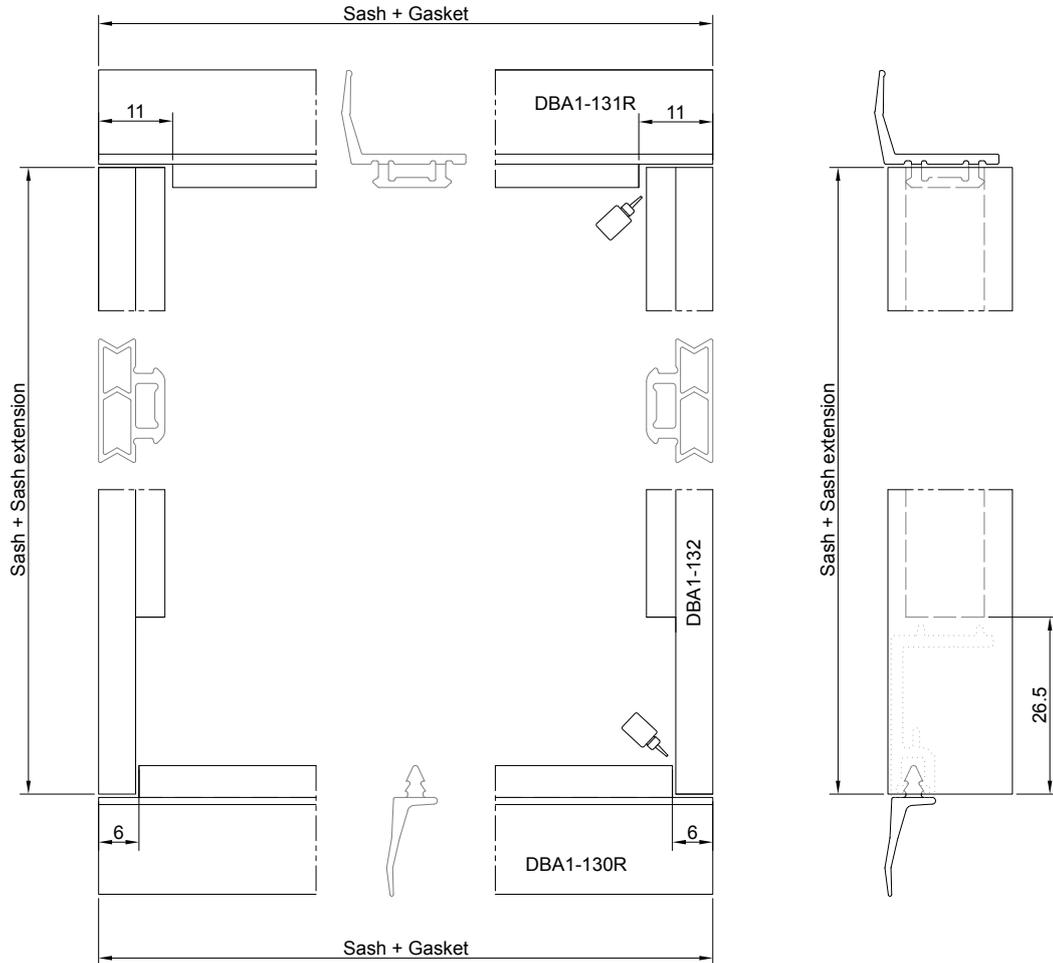
BF73 SYSTEM Flush Bolt Lock Cut out Details



SECTION A - A

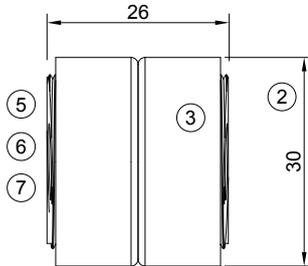
BF73 SYSTEM

Fabrication details - Notches for gaskety jointing



BF73 SYSTEM Fabrication details - Magnetic panel catches

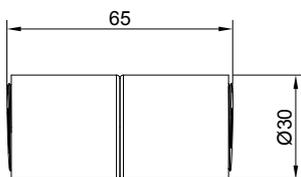
DBPC-01
Magnetic panel catch 26mm



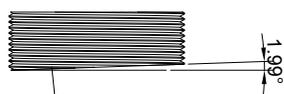
For use on 'Inline' positions

SCREW PACK CONTENTS	
	x 2 no
No10 x 25mm csk S/T Screw BZP	
	x 2 no
M5 x 16mm machine screw BZP	
	x 2 no
M3 x 7mm Grub Screw St/St	
	x 2 no
M5 Rivnut BZP	
	x 1 no
1.5mm turn key Steel	

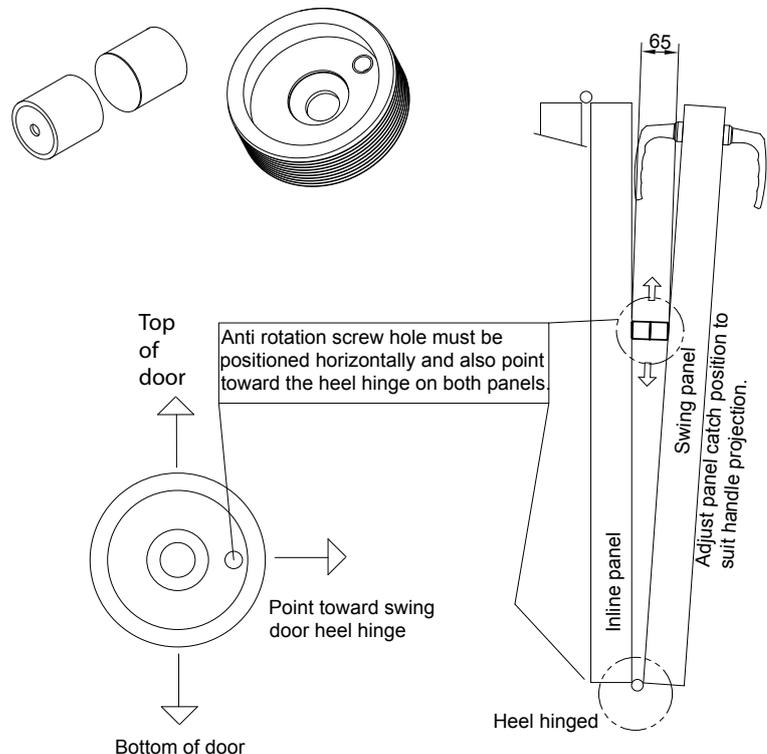
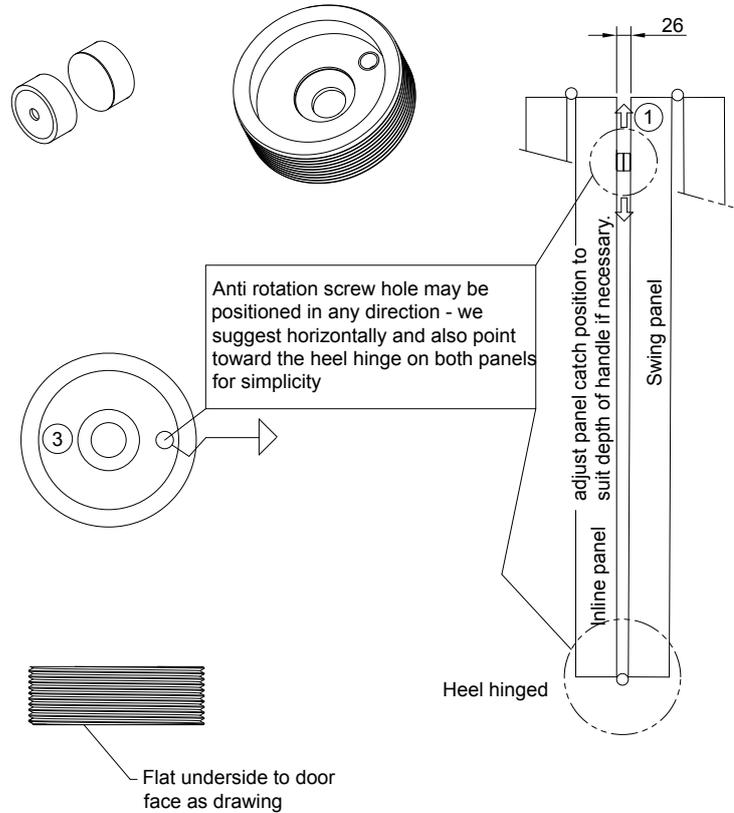
DBPC-02
Magnetic panel catch 65mm



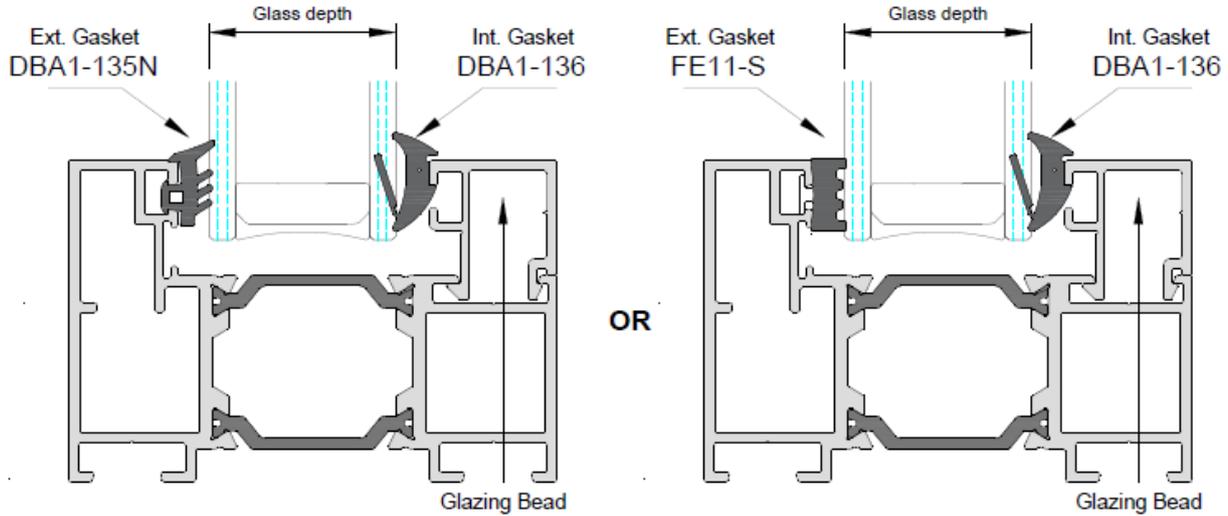
For use at 'Lever Handle' positions



2 degree angle face to door face, tilt toward heel side as drawing

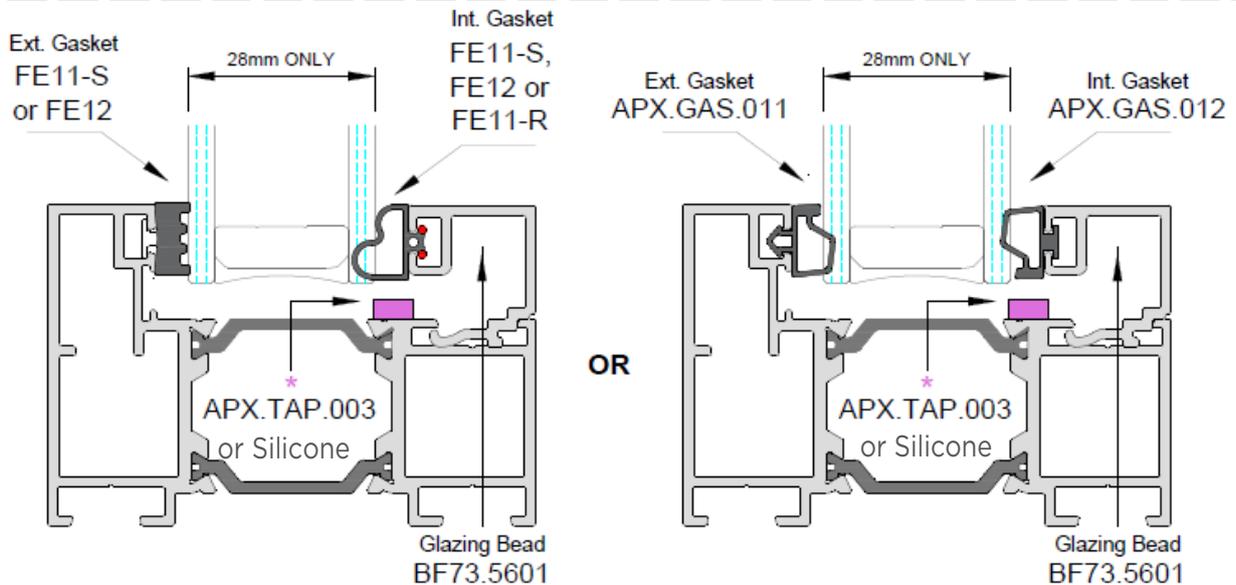


BF73 SYSTEM Glazing Options



Glazing Bead Options				
Glass depth	28mm	32mm	36mm	44mm
Bead ID & Image	BF73.0601 	BF73.0602 	BF73.0603 	BF73.0604

Glazing Gaskets		
DBA1-135N	FE11-S	DBA1-136

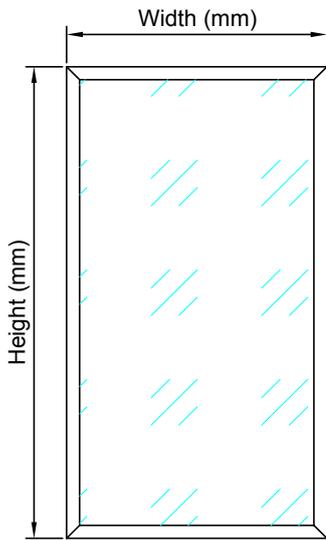


Glazing Bead Option	
Glass depth	28mm
Bead ID & Image	BF73.5601

Glazing Gaskets				
FE11-S	FE12	APX.GAS.011	FE11-R	APX.GAS.012

APX.TAP.003

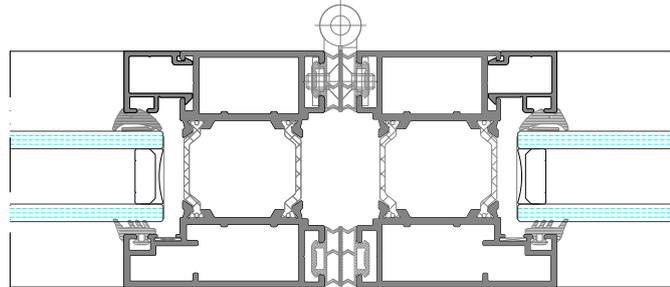
Note: ***
When using clip-in bead, APX.TAP.003 must be applied here on full width of the sash.



System recommendations:
 $f_{max} = H/200 < 15 \text{ mm}$
 Max sash weight = 120 kg
 Max sash width = 1200 mm
 Max sash height = 3000 mm

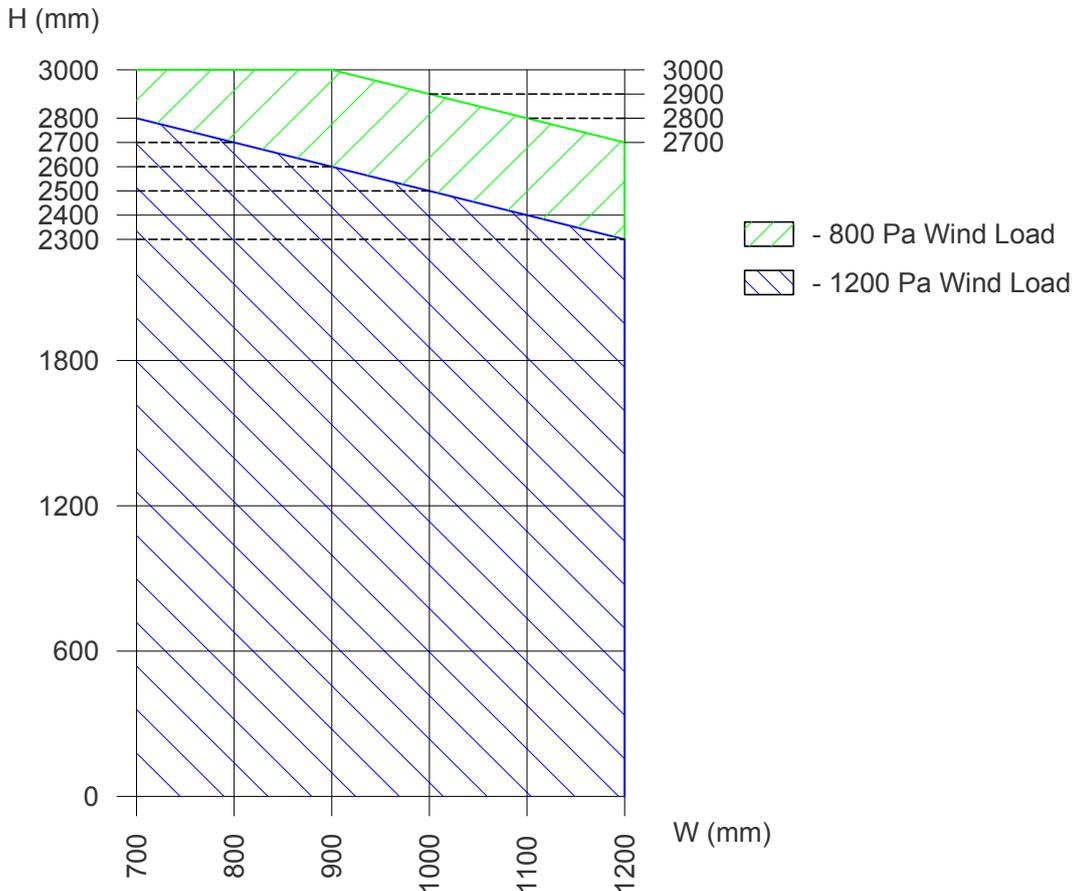
BF73 SYSTEM Wind Load Chart

where,
 f_{max} - maximum allowed deflection

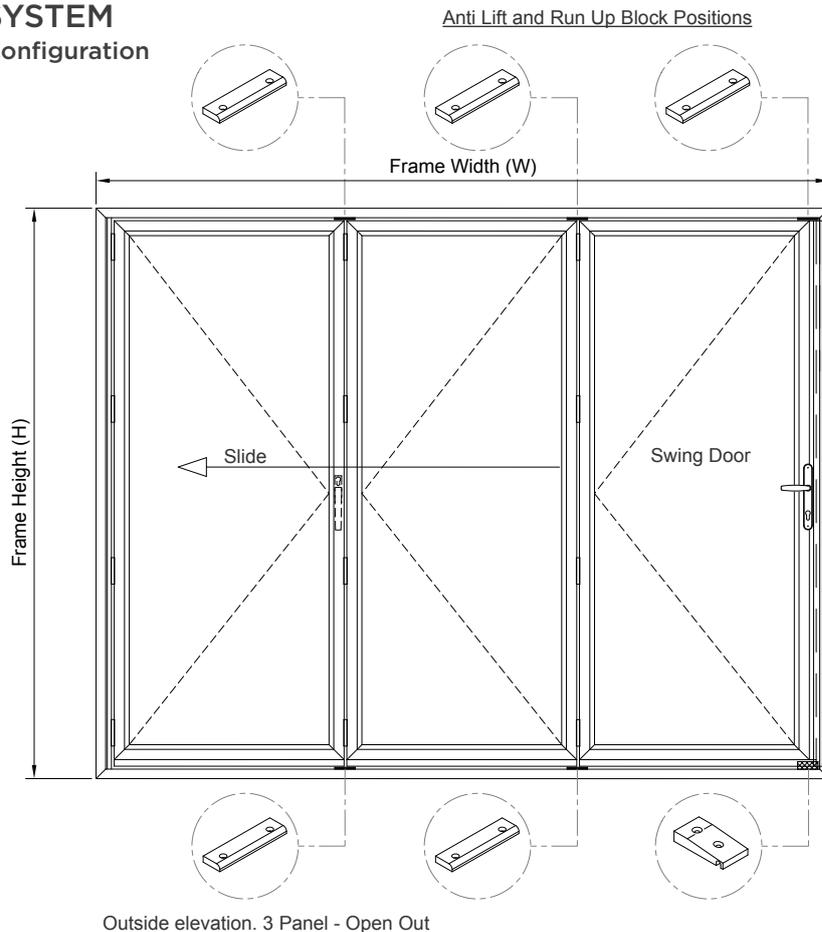


For BF73.0101-BF73.0101 vertical mullion - $I_{xx} = 74.54 \text{ cm}^4$
 For BF73.0102-BF73.0102 vertical mullion - $I_{xx} = 81.92 \text{ cm}^4$

Panel size diagram for wind loads



BF73 SYSTEM PAS 24 Configuration



To reduce access gaps between outer frame and sash use:

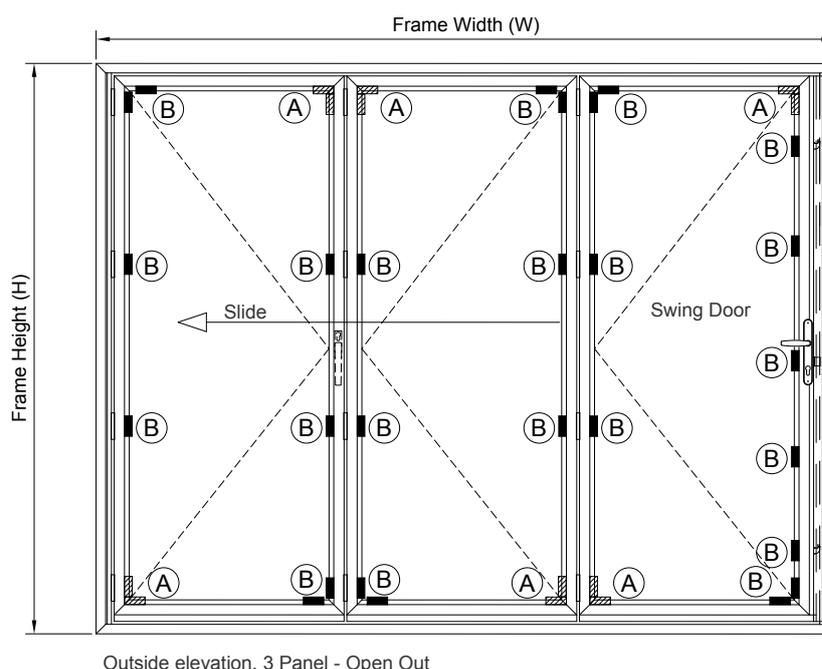
1) DBA1-205 Anti lift blocks at top and bottom as shown.



2) DBA1-204 Run Up block at the bottom as shown.



Glass Pack and Setting Block Layout



A - 'Shaded' locations are 'toe and heel' packers between aluminium frame and glass.

1) Diagonally across each leaf.
2) For adjustment of door to 'square' for set up.

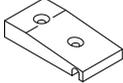
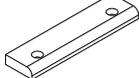


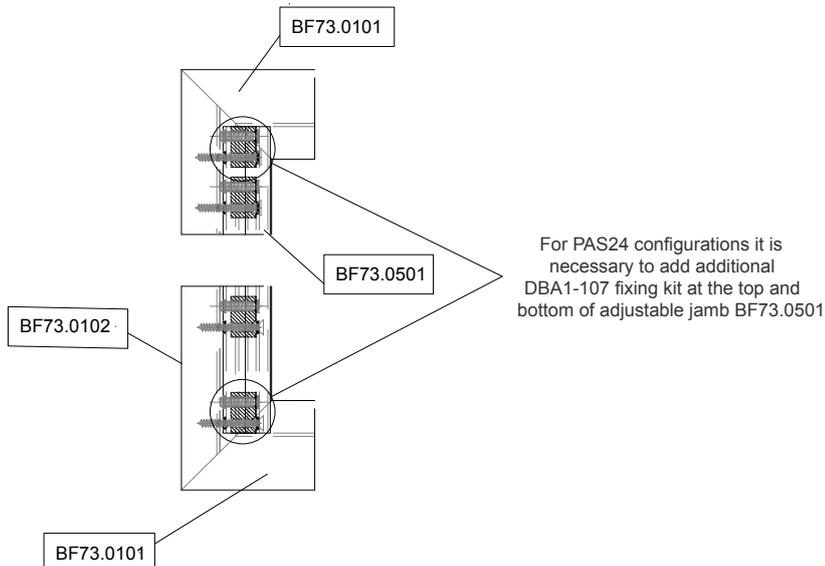
B- Solid filled locations are support packers between aluminium frame and DGU.

1) At all hinge and lock points.
2) At top and bottom of DGU to prevent slippage.

BF73 SYSTEM

PAS 24 Configuration Hardware

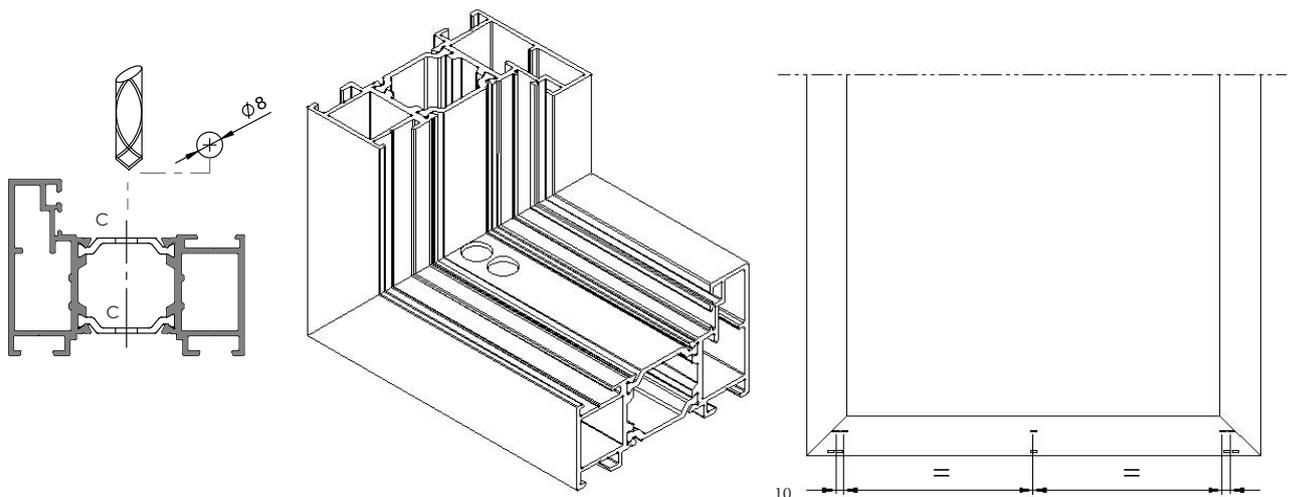
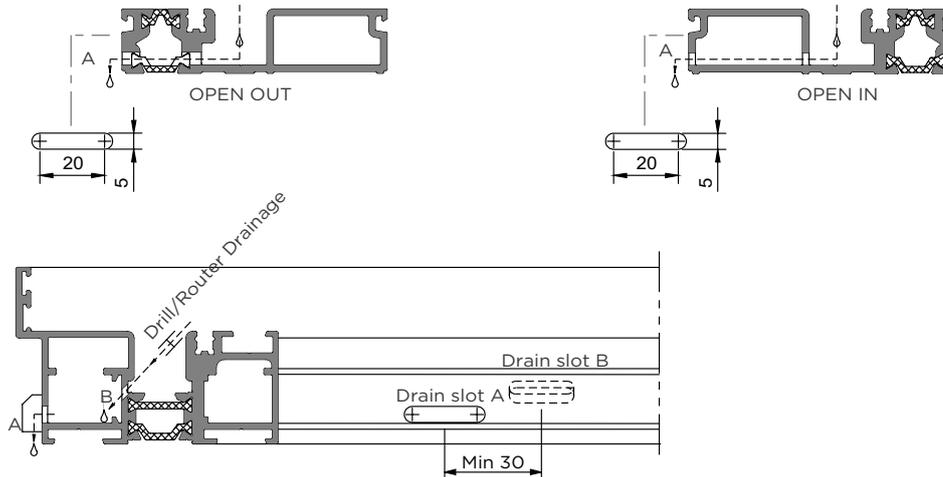
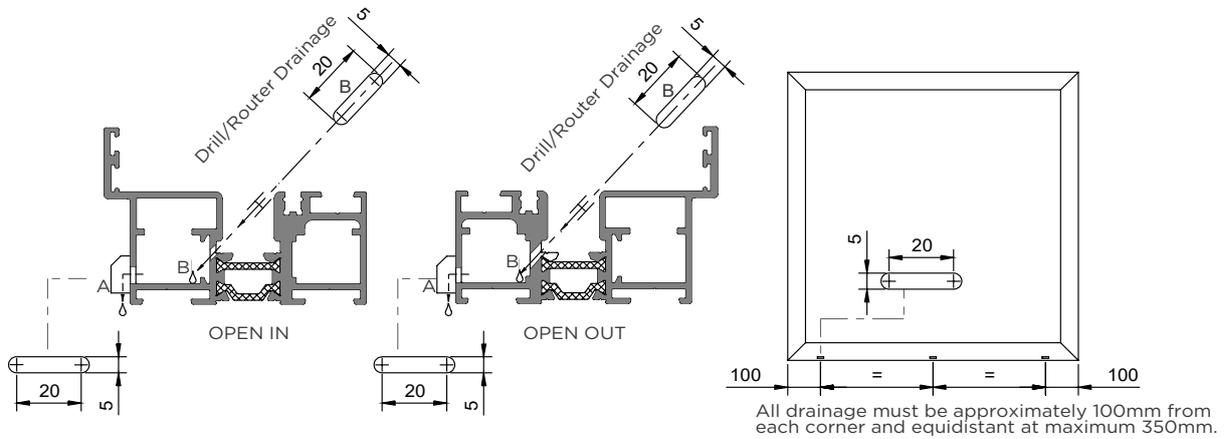
REF	DESCRIPTION	SKETCH	COMMENTS
PAS 24 COMPLIANT PARTS			
DB-206	3 mm thick clamping plates		3 mm thick clamping plates must be used on all hinge and roller components. Loose supply DB-206 replaces the 2 mm thick clamp plates (if supplied in the packs. All screws remain the same as in the pack
DBLK-06	Robus heavy duty intermediate lock M10 thread PAS24		For PAS24 ROBUS DBLK-06 locks must be fitted
DBR-45	3000mm x 10mm allthread rod PAS 24		10mm rod is used with ROBUS DBLK-06 lock and DBA1-200/10mm shoot bolt cones and guides
DBA1-200 /10mm	Shoot bolt cone & guide kit PAS24		For PAS24 guides are threaded M10 for full penetration
DBA1-204	Run up block		For PAS24 riser block is fitted at bottom edge of pass door, see PAS24 Configuration
DBA1-205	Anti lift block		See PAS24 Configuration page for anti lift block position
DBCY-50/50C PAS24	Full cylinder 50/50 High Performance PAS 24		Security cylinder Anti Bump, Anti snap, Anti pick specification



DRAINAGE DETAIL INDEX

1	General Drainage Detail	180
2	Standard Cill to Flush Floor Level Drainage - OPEN IN	181
3	Standard Cill to Stepped Floor Level Drainage - OPEN OUT	182
4	Standard Cill to Sub Cill Drainage - OPEN OUT	183
5	Low Threshold Cill to Flush Floor Drainage - OPEN OUT	184
6	Low Threshold Cill to Flush Floor Drainage - OPEN IN	185

BF73 SYSTEM Drainage Detail



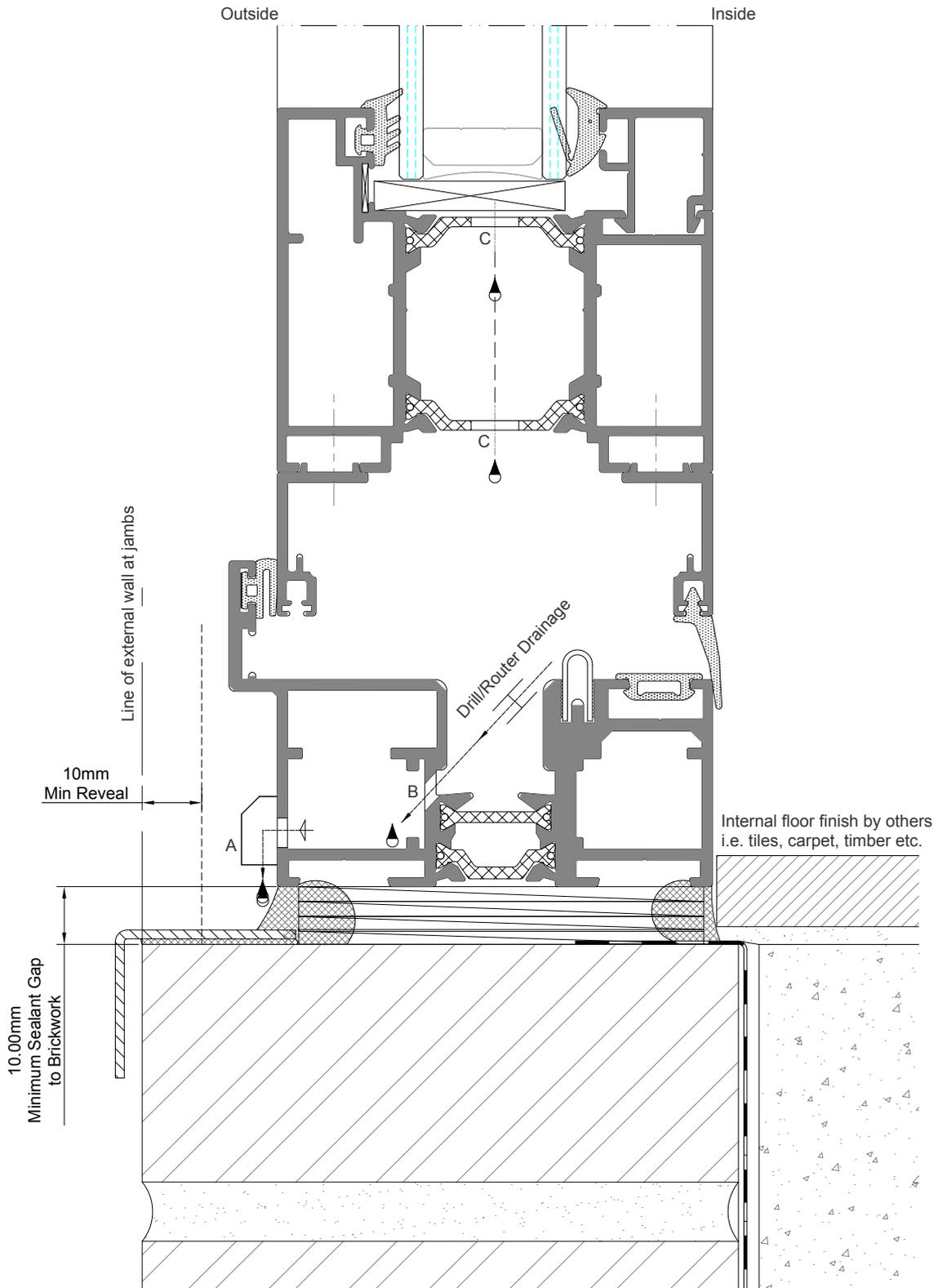
Drill 5No. drainage holes per sash

Each end requires two holes, the first directly in the corner, the second approx 10mm crs. away.

The fifth holes should be drilled directly in the centre of the sash

*NOTE: Subject to site conditions

BF73 SYSTEM Standard Cill to Flush Floor Level Drainage OPEN IN

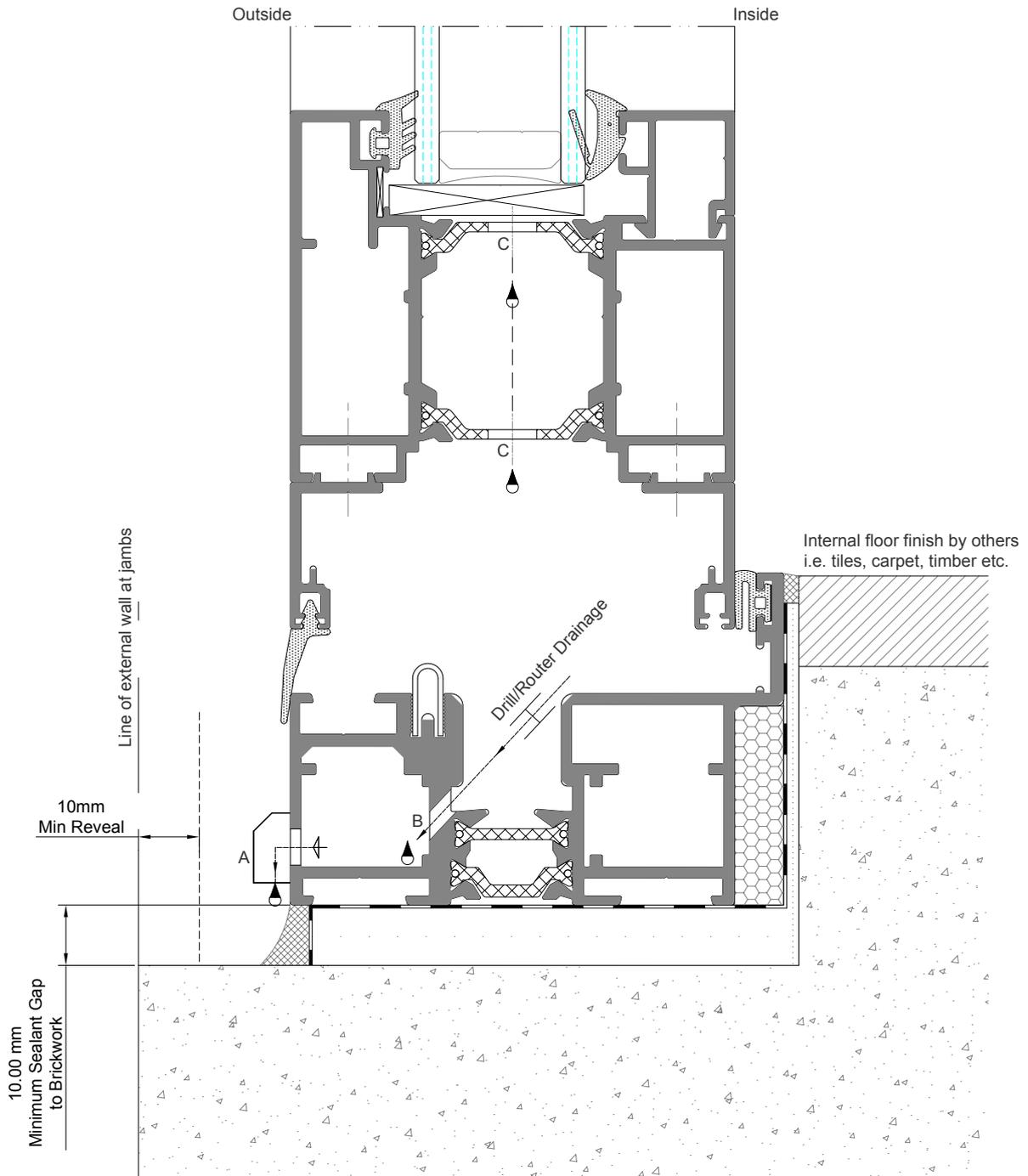


Pack under frame to level the track and to support the weight of doors above. Use 'backer rod' and then seal using neutral cure silicone sealant both to inside and to outside of the perimeter frame.

BF73 SYSTEM

Standard Cill to Stepped Floor Level Drainage OPEN OUT

*NOTE: Subject to site conditions

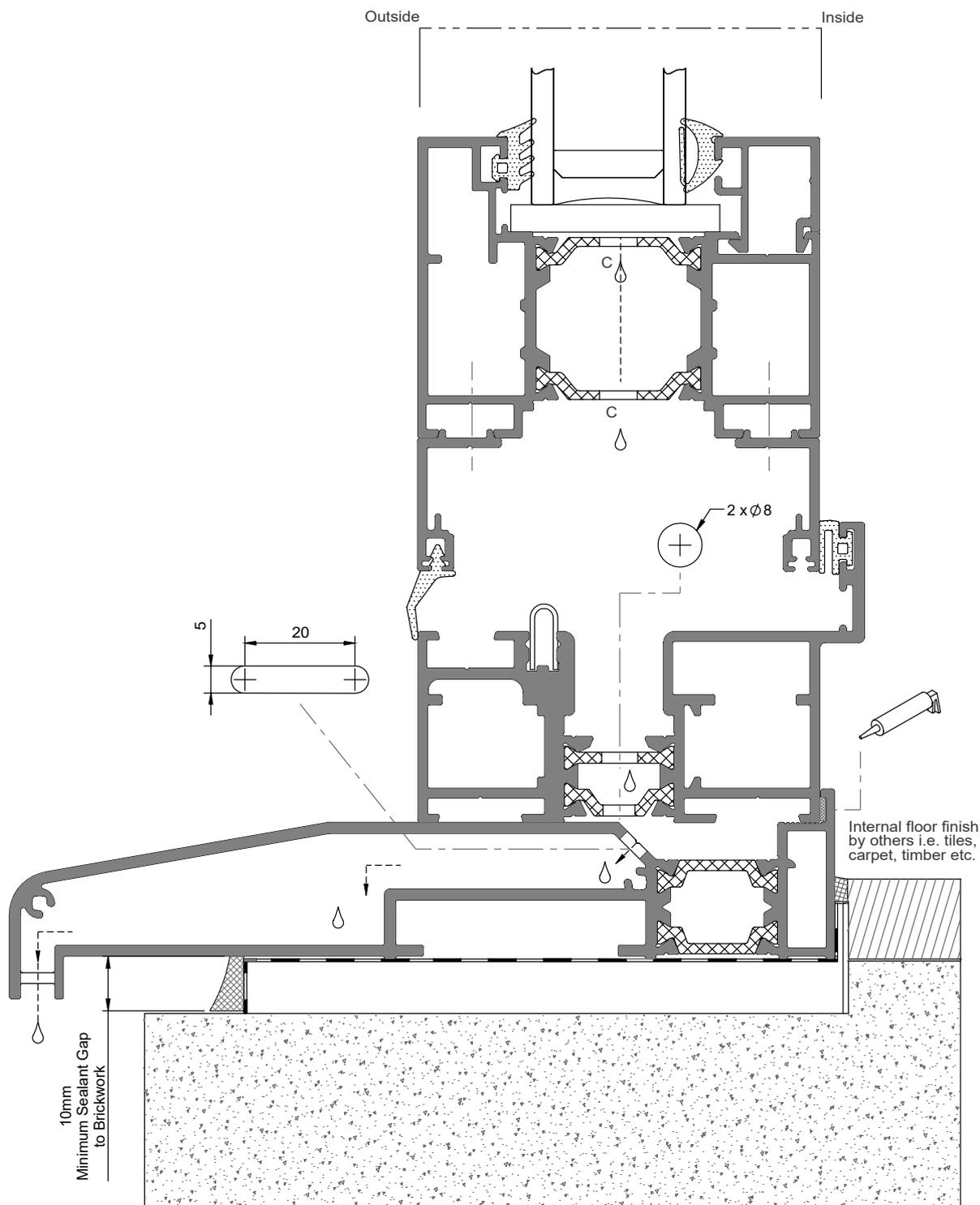


Pack under frame to level the track and to support the weight of doors above. Use 'backer rod' and then seal using neutral cure silicone sealant both to inside and to outside of the perimeter frame.

BF73 SYSTEM

Standard Cill to Sub Cill Drainage OPEN OUT

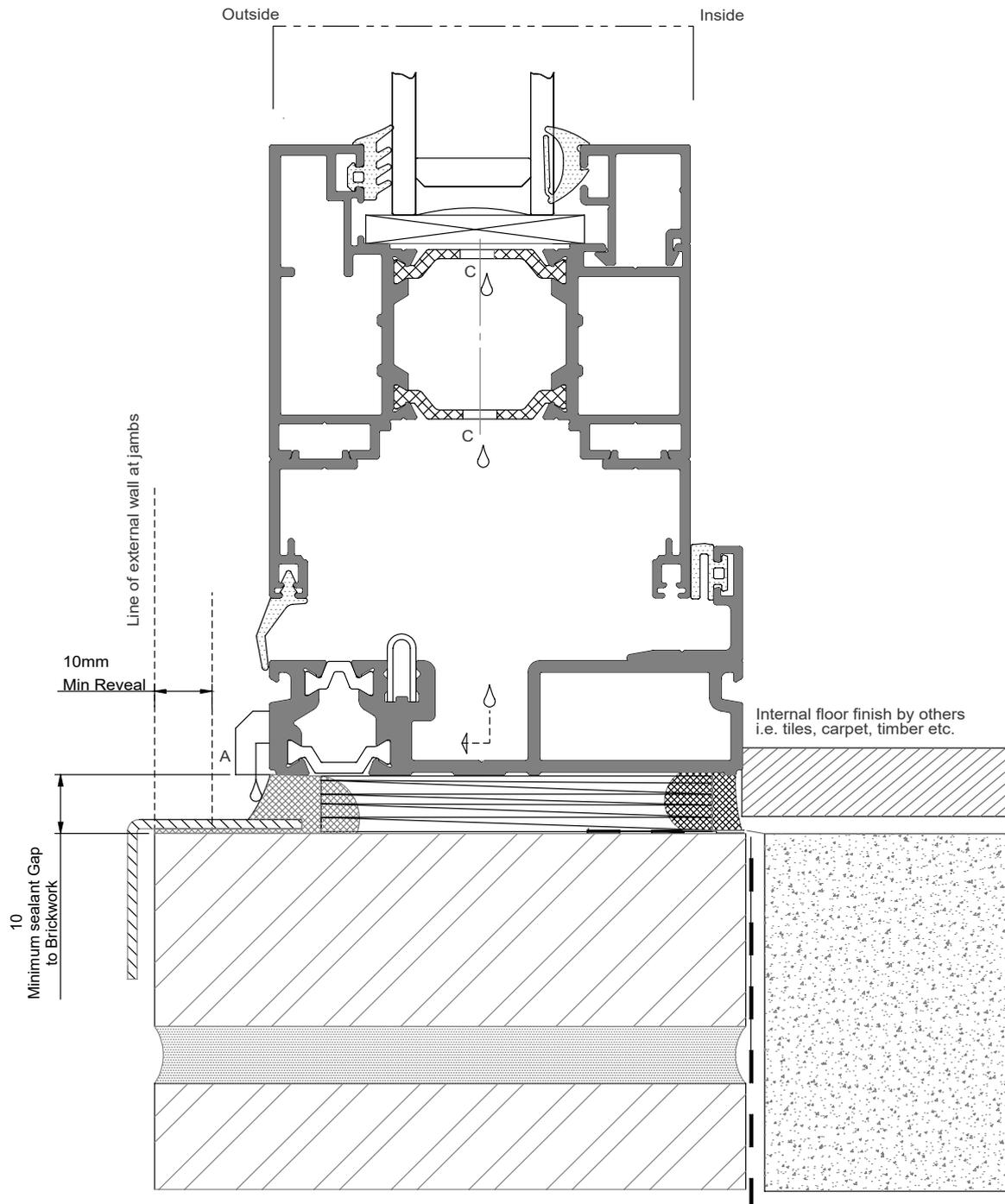
*NOTE: Subject to site conditions



Pack under frame to level the track and to support the weight of doors above. Use 'backer rod' and then seal using neutral cure silicone sealant both to inside and to outside of the perimeter frame.

*NOTE: Subject to site conditions

BF73 SYSTEM Low Threshold Cill to Flush Floor Level Drainage OPEN OUT

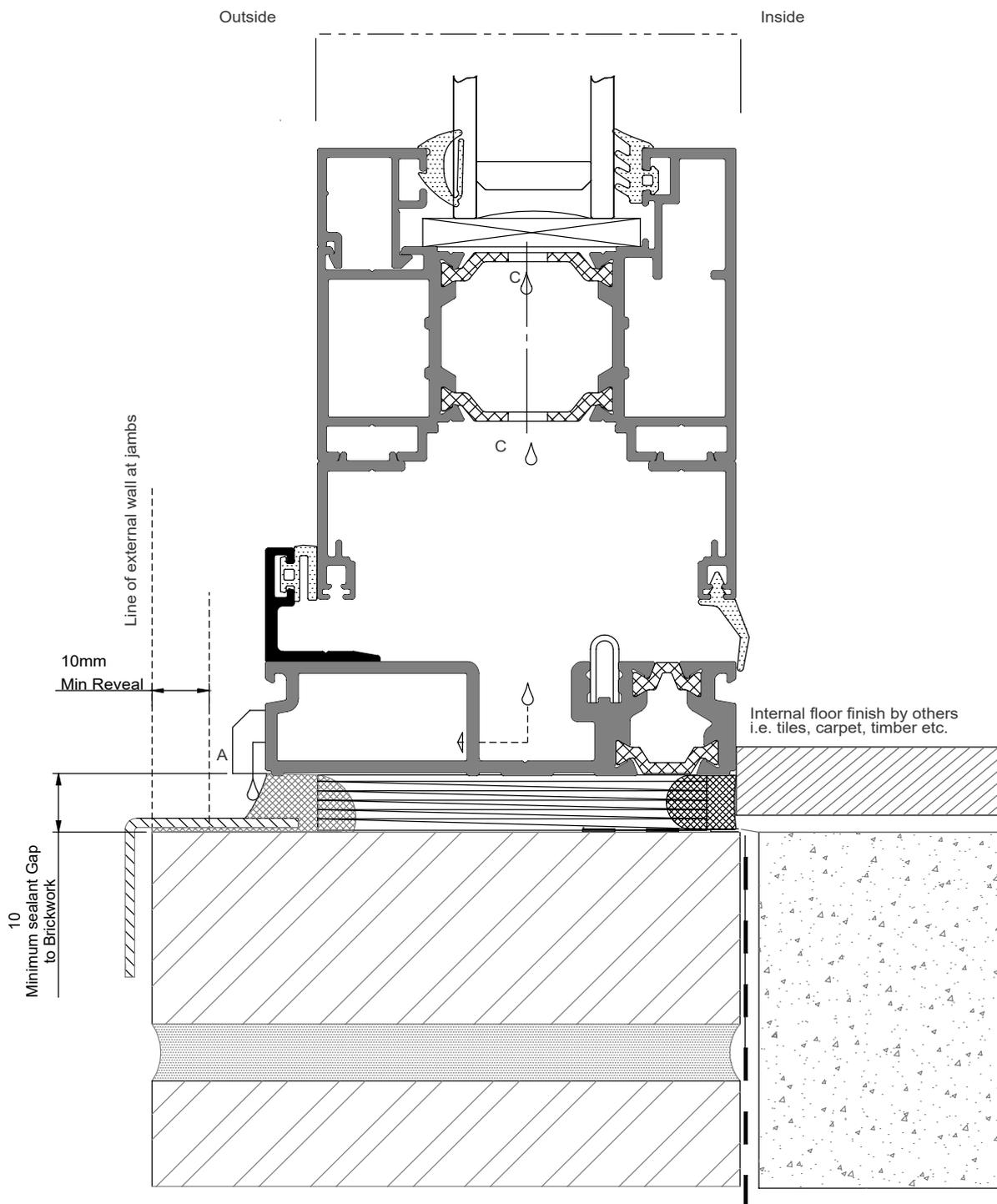


Pack under frame to level the track and to support the weight of doors above. Use 'backer rod' and then seal using neutral cure silicone sealant both to inside and to outside of the perimeter frame.

BF73 SYSTEM

Low Threshold Cill to Flush Floor Level Drainage OPEN IN

*NOTE: Subject to site conditions



Pack under frame to level the track and to support the weight of doors above. Use 'backer rod' and then seal using neutral cure silicone sealant both to inside and to outside of the perimeter frame.



MAINTENANCE AND RECOMMENDATIONS INDEX

1 Maintenance and Recommendations

188-189

BF73 SYSTEM

MAINTENANCE RECOMMENDATIONS

INTRODUCTION

Due to the dirt and dust usually found during the installation phase it is necessary to carry out appropriate maintenance and clearing. This must also be maintained to keep the functional and aesthetic qualities of the aluminium fabrication.

CLEANING AND MAINTENANCE

The following elements CAN be used:

- Warm water (with 2% of mild soap).
- Soft sponge.
- Cleaning cloth.
- Absorbent paper.
- Steam cleaners.
- Vacuum cleaner (to vacuum the dust between the gasket and the outer wall of the frame).

WARNING

The following elements such as sharp tools (knives, trowels, etc.), steel wool or abrasive sponges, aggressive bath cleaners or solutions for lacquer must NOT be used, as they will cause permanent damage to surface area of the unit.

1. CLEANING OF INTERIOR AREAS

Use a vacuum cleaner to remove any debris from around the gaskets area and chamber between the sash and frame to remove dust and other foreign matter, which has gathered during installation phase. A soft brush can also be used for cleaning.

After cleaning, lubricate the friction elements such as hinges, rollers, guides, handles, locks and all other moving mechanisms with silicone spray lubricant.

Repeat this operation every six months.

2. CLEANING OF FRAMES AND GLASS

Mix 2% soap solution to warm water to clean the frame and glass.

With a soft sponge wash the frames and glass to both inner and outer sides. Afterwards, using a cleaning cloth remove the remaining water drops and soap stains. Finally with a dry cloth complete the cleaning and dry the frame.

Steam cleaner can also be used instead of soap solution.

It is recommended to repeat this operation monthly for each window section.

3. MAINTENANCE AND SERVICING RECOMMENDATIONS

Yearly: Bottom track and guide channel should be cleaned of any long lasting (ground in) dust or dirt. Lubricate the stainless steel track and the bottom wheel sets with silicone based spray lubricant directly onto the moving parts. Check for loose or missing screws and re-tighten or replace as needed.

Every 2 years: Check hinge positions. If slippage is visible, ease off the screw pressure and re-position the hinge. Replace any damaged fixing screws if required. Check hinge action for movement around loose spindles and replace the hinge if necessary. Check lock action and examine the shoots and guides, replace if required. Lubricate shoots, guides and lock using silicone spray lubricant.

During glass replacement: In the event of new glass installation, ensure each leaf is 'toe and heeled' supported to remain square. Check shoot bolt adjustment to ensure the right locking position and adjust if necessary.

KEY OBSERVATIONS

- In areas close to highways, coast line or industrial areas the maintenance for windows should be increased.
- Before any work close to the window, it should be protected from any dirt that can arise from the environment.

BF73 SYSTEM MAINTENANCE RECOMMENDATIONS

DANGERS THAT SHOULD BE TAKEN INTO CONSIDERATION WHEN HANDLING WINDOWS

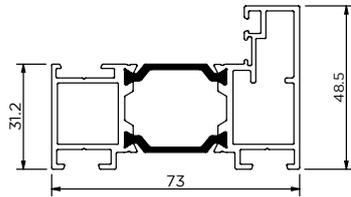
	<p style="text-align: center;">DANGER OF BEING CAUGHT</p> <p>Pay attention to the possibility of your fingers being caught between the frame and sash, when handling windows.</p>
	<p style="text-align: center;">DANGER OF FALLING</p> <p>An open window poses a risk of people falling out of them. Be more more attentive to children.</p>
	<p style="text-align: center;">DANGER OF FALLING OBJECTS</p> <p>Be aware of falling objects through the open window, especially during cleaning or maintenance.</p>



TECHNICAL BULLETINS INDEX

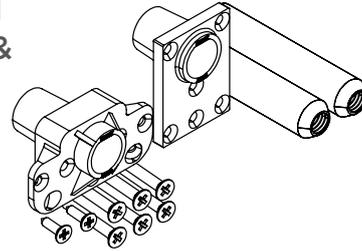
1	Profiles & Components	192
2	Alulock Multipoint Lock & Keep Details	194
3	Cills & Thresholds	197
4	Head Showing	200
5	Locking Intermediate	203
6	Swing Door Details	208
7	Slide Post Details	210
8	Fabrication Details	214
9	Shootbolt Details	216
10	Cill Preparation Details	218

BF73.0203	Super Slim Sash
Weight	1.51kg/m
Bar Length	6.5m
Pack Qty.	2 Pieces
Pack Weight (gross - kg)	20.2

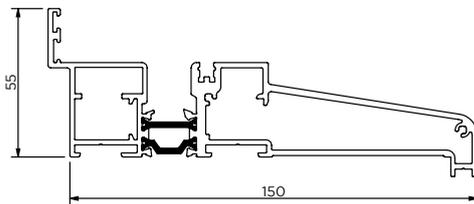


BF73.0930 Shootbolt Cone & Guide Set

BF73 SYSTEM New Profiles & Components



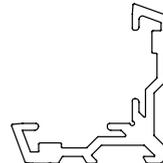
BF73.0111	Integrated Cill
Weight	2.97kg/m
Bar Length	6.5m
Pack Qty.	1 Pieces
Pack Weight (gross - kg)	19.8



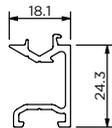
BF73.0910 End cap FRK541 Weather pile



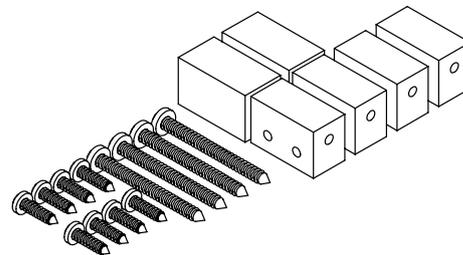
BF73.0905K Cleat & Screws
for BF73.0203 Sash



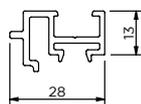
BF73.0813	Sash Extension
Weight	0.31kg/m
Bar Length	6.5m
Pack Qty.	16 Pieces
Pack Weight (gross - kg)	34.1



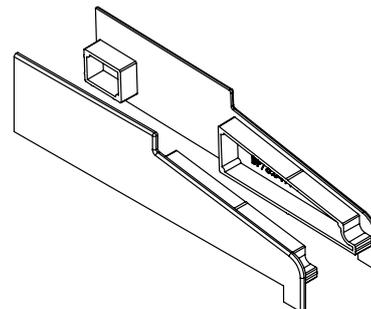
DBA1-505/Kit
Integrated cill kit



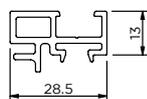
BF73.5811	Super Slim Lock Adaptor
Weight	0.37kg/m
Bar Length	6.5m
Pack Qty.	10 Pieces
Pack Weight (gross - kg)	24.1



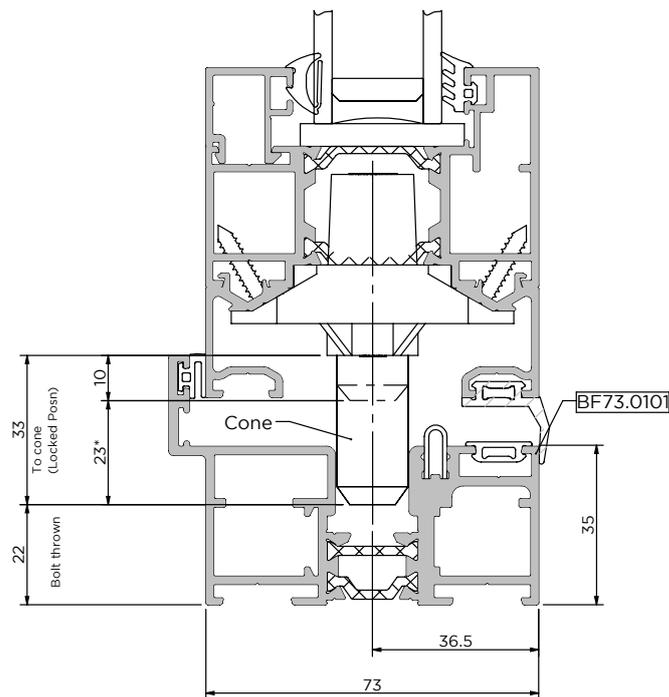
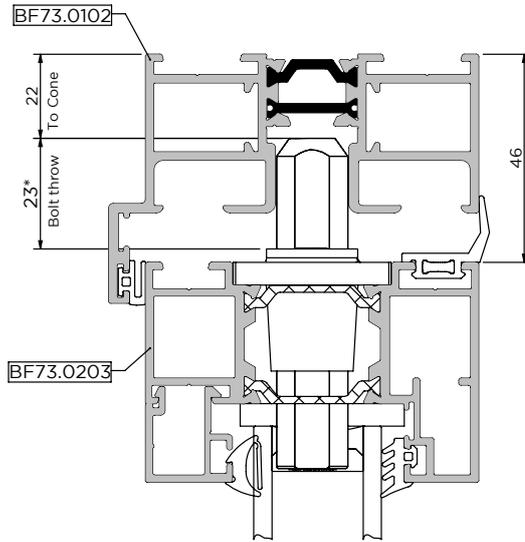
BF73.5411
Kit of Integrated Cill Endcaps



BF73.5812	Super Slim Keep Adaptor
Weight	0.44kg/m
Bar Length	6.5m
Pack Qty.	10 Pieces
Pack Weight (gross - kg)	24.1

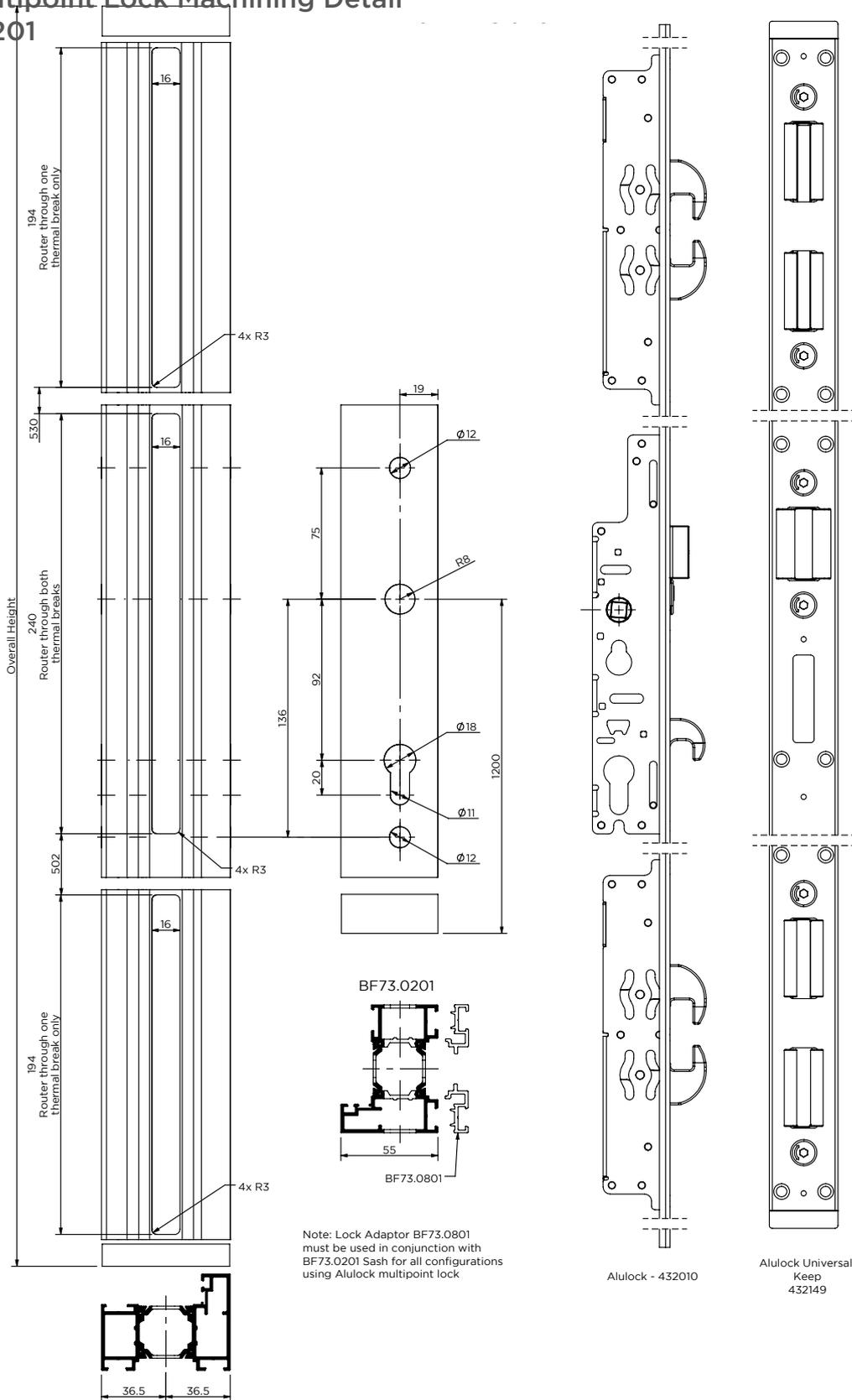


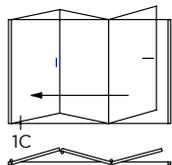
BF73 SYSTEM Shootbolt Details BF73.0203



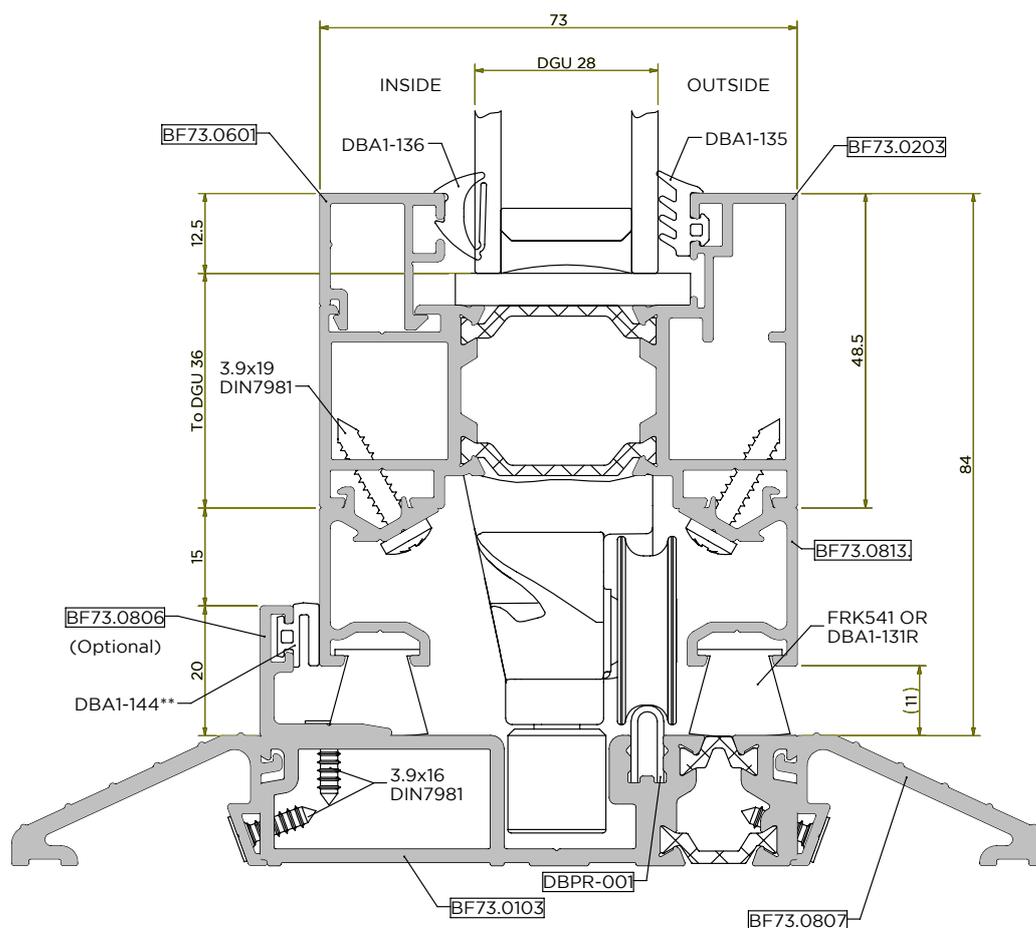
* Same Dimension for BF73.0103

BF73 SYSTEM Alulock Multipoint Lock Machining Detail for BF73.0201



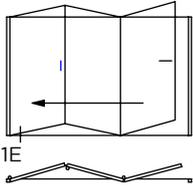


BF73 SYSTEM
Low Level Cill/Threshold Showing Roller
Open Out
BF73.0203 Super Slim Sash

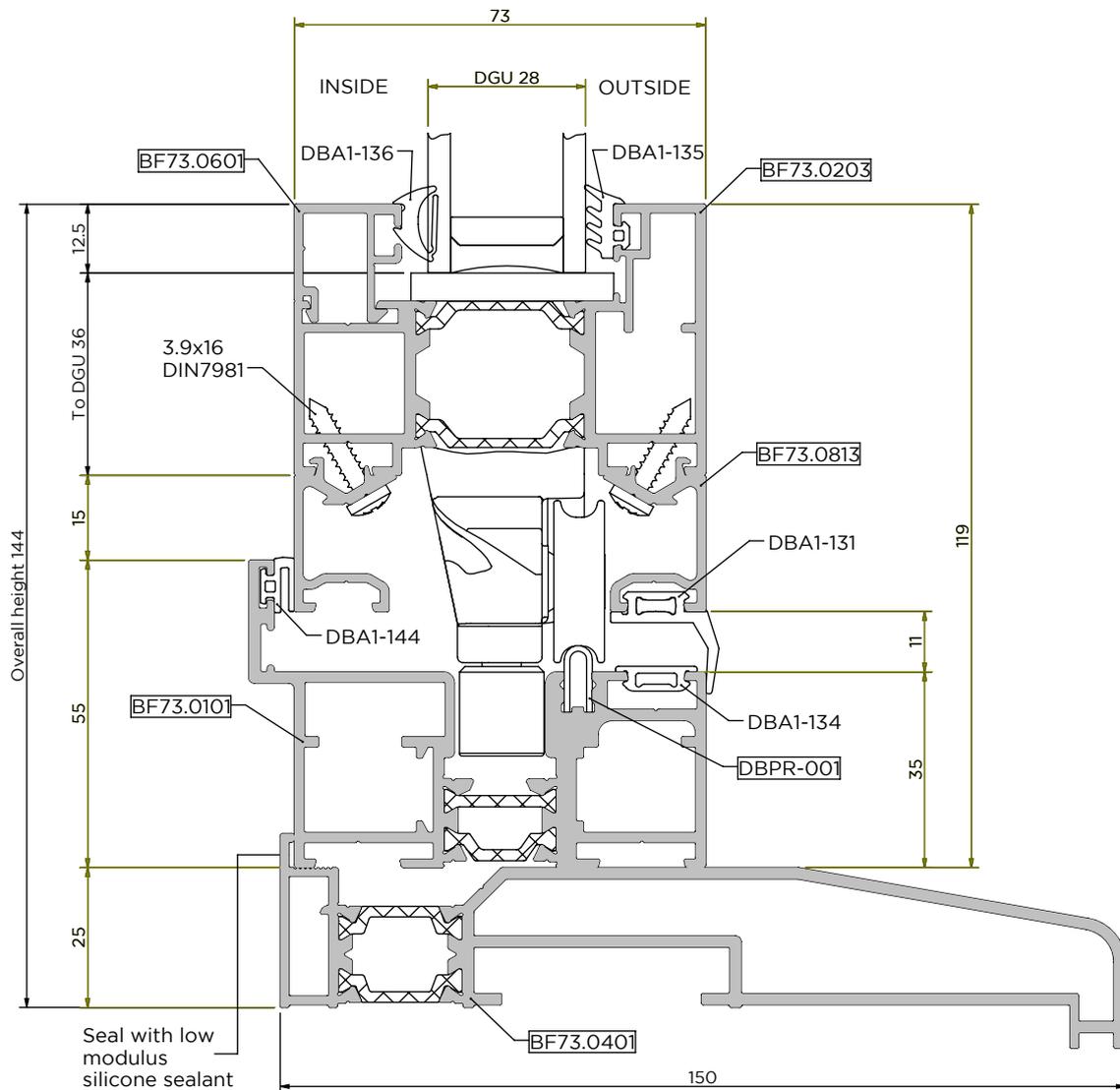


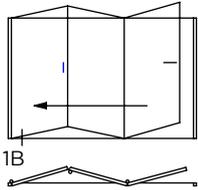
*For inward opening, low threshold cill profile BF73.0103 is turned around 180 degrees.
 The hinge installation side is also changed, sash remains unchanged.

**To prevent binding use DBA1-140 brush instead of DBA1-144 on outer frame if sliding post BF73.0502 is used.

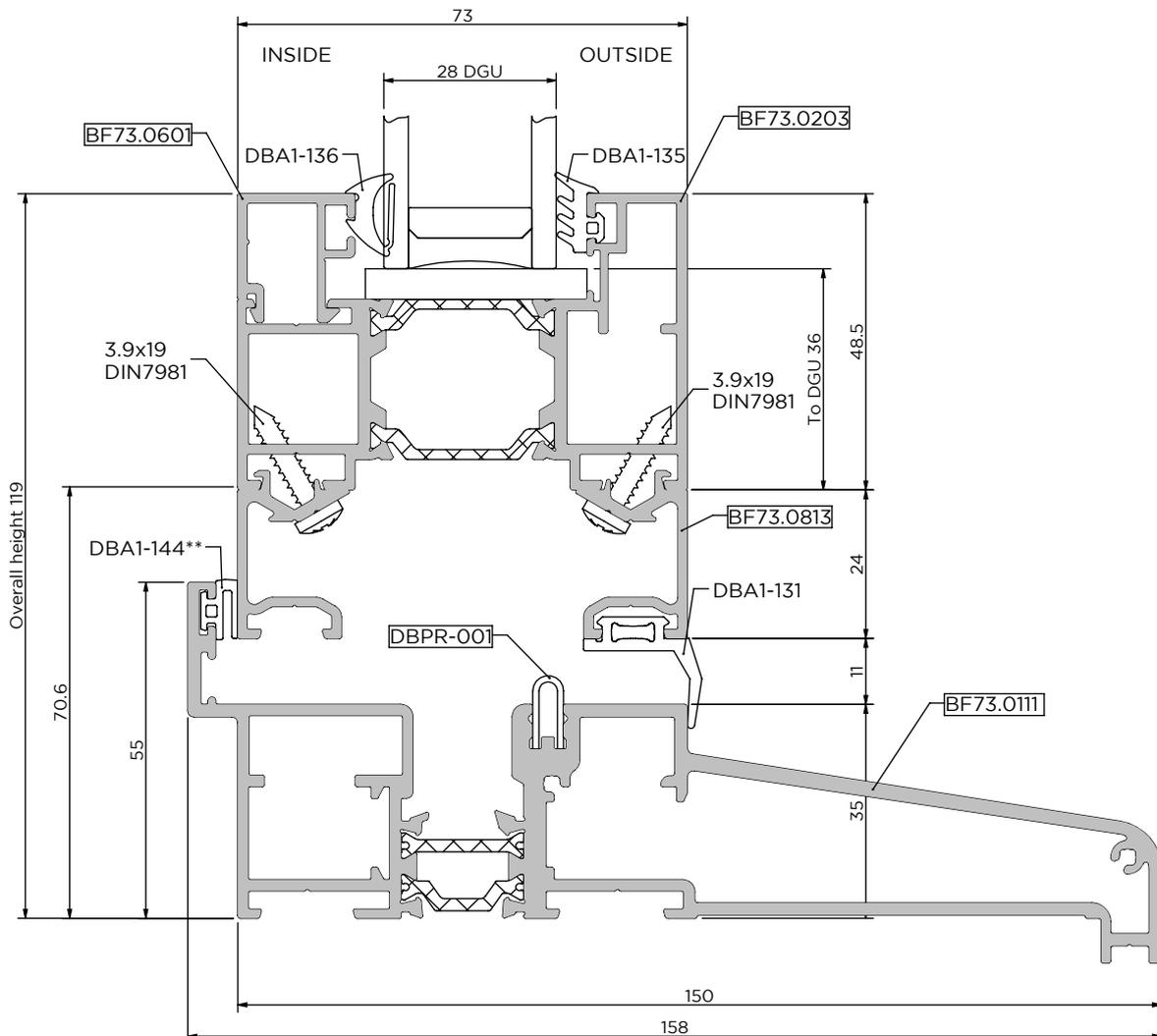


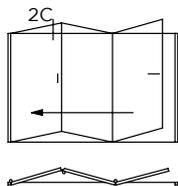
BF73 SYSTEM 150mm Sub Cill- Open Out BF73.0203 Super Slim Sash



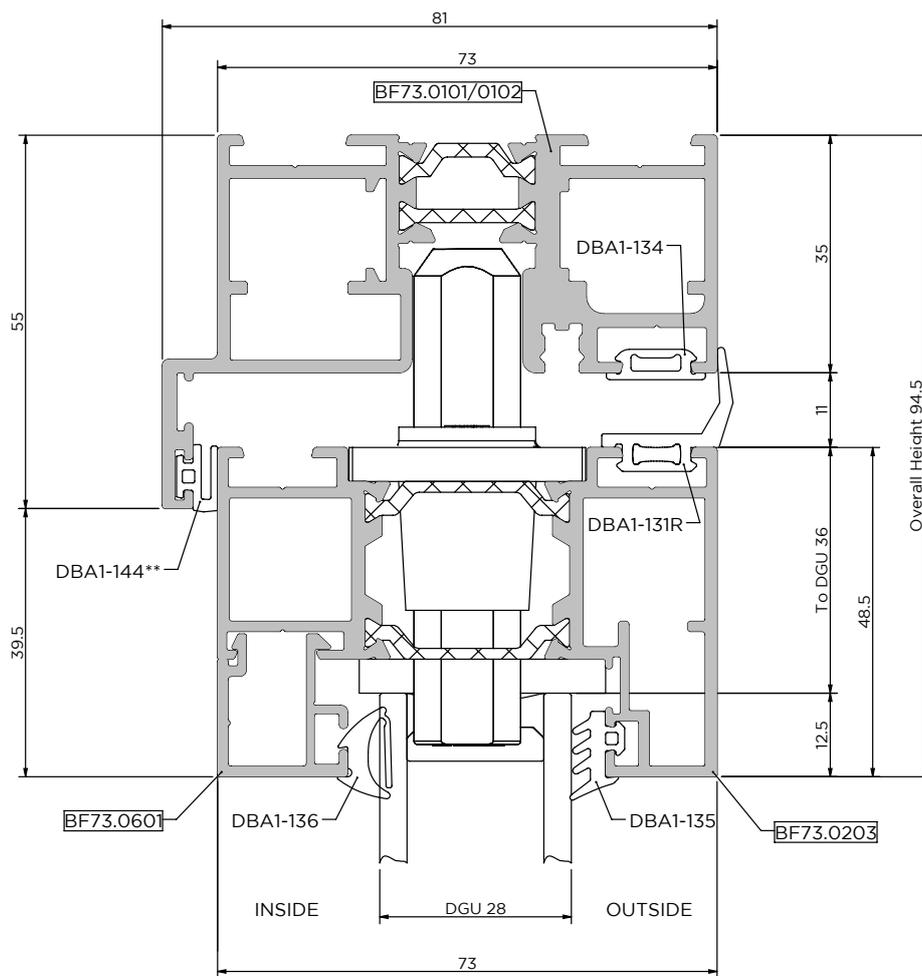


BF73 SYSTEM Integrated 150mm Cill BF73.0203 Super Slim Sash





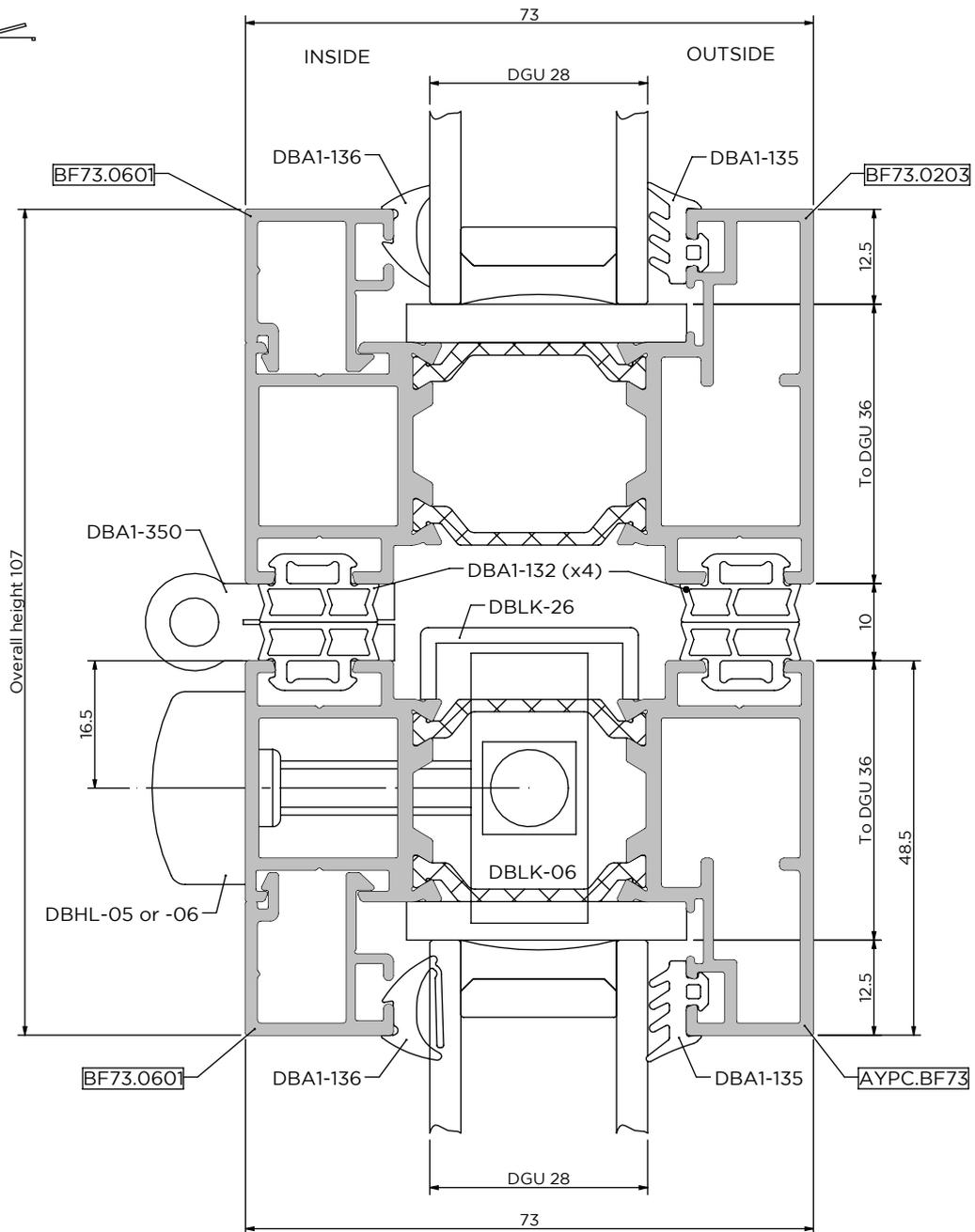
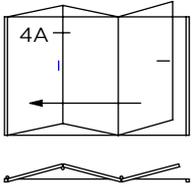
BF73 SYSTEM
Head for Adjustable Jamb- Showing Shootbolt
Open Out- BF73.0203 Super Slim Sash

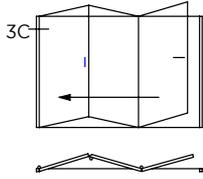


*For inward opening, outer frame profiles are turned through 180 degrees.
 The hinge installation side is also changed, sash remains unchanged.

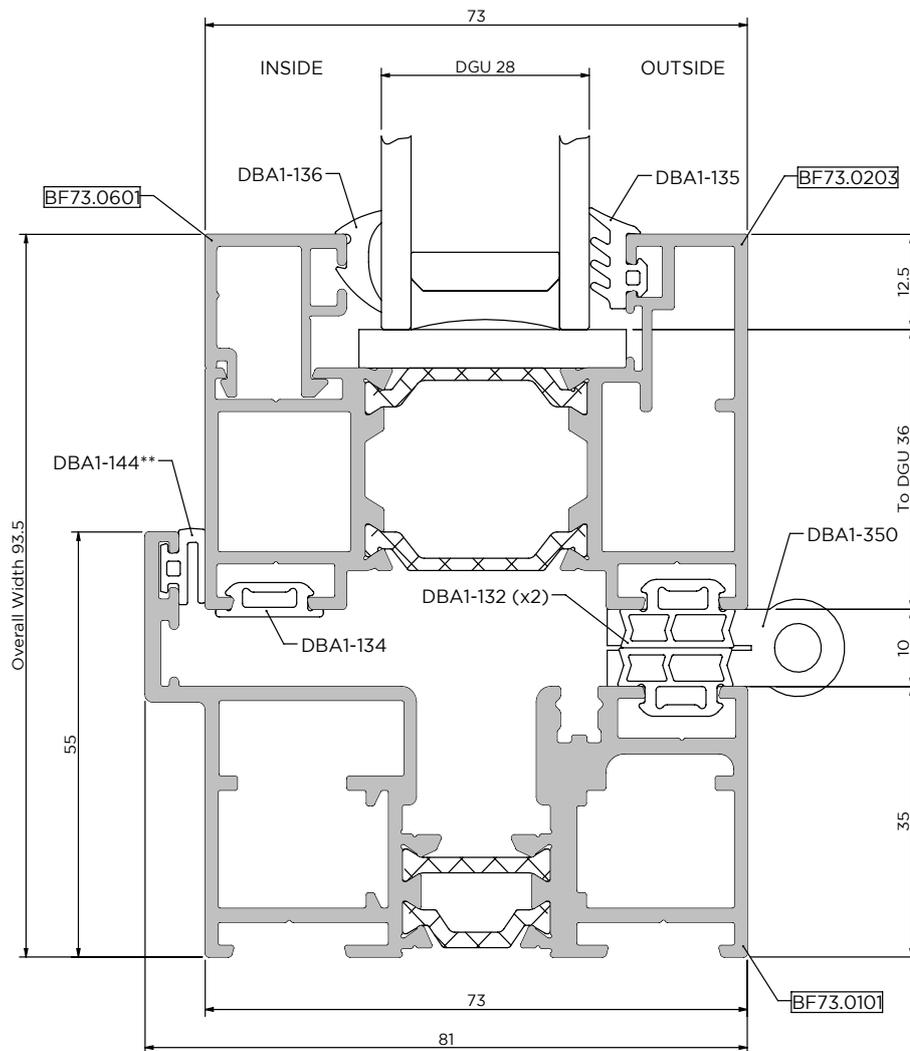
**To prevent binding use DBA1-140 brush instead of DBA1-144 on outer frame if sliding post BF73.0502 is used.

BF73 SYSTEM
Locking Intermediate with Hinges & Shootbolt
Open Out- BF73.0203 Super Slim Sash





BF73 SYSTEM
Outer Frame Hinged Jamb- Open Out
BF73.0203 Super Slim Sash

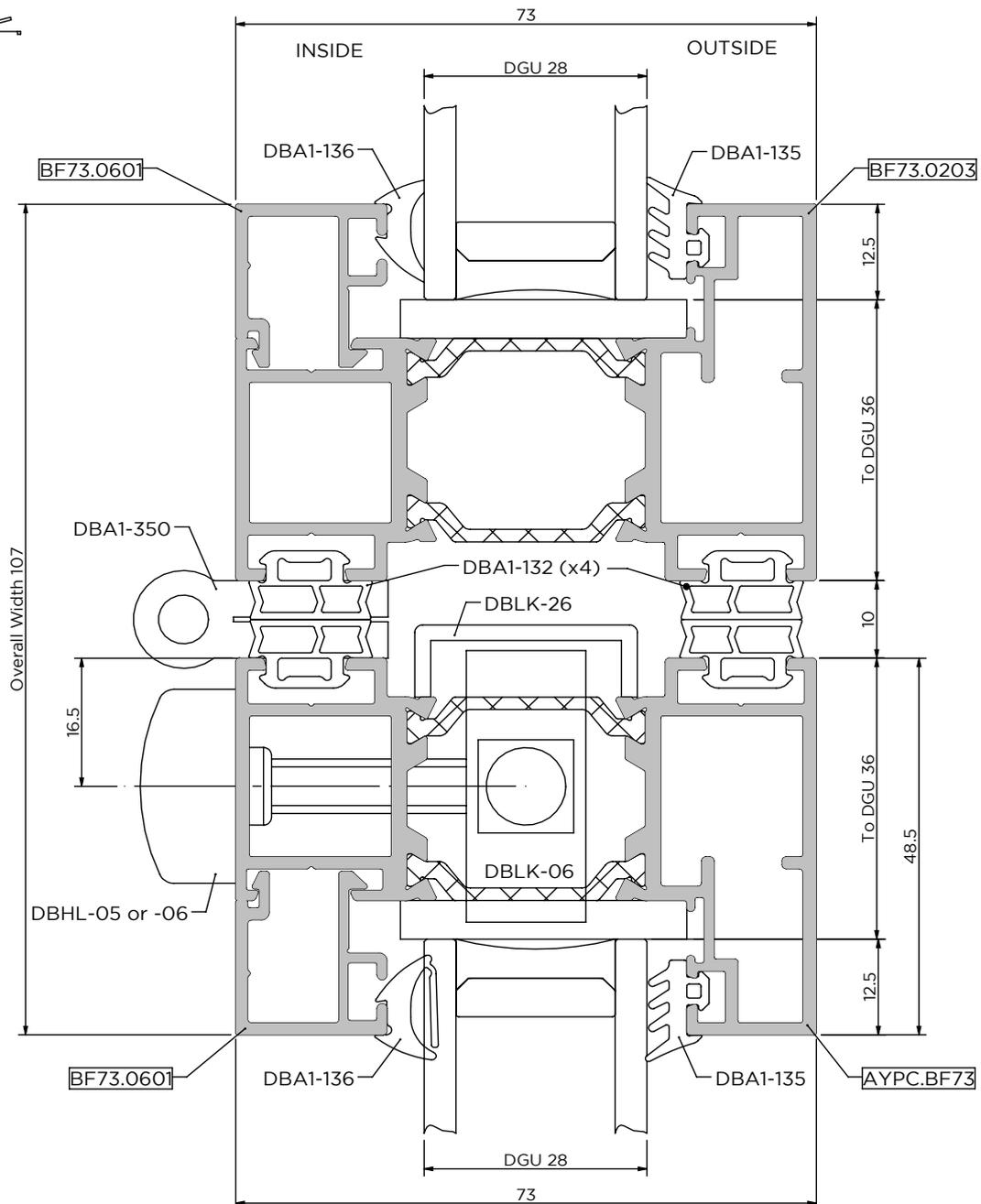
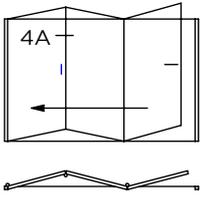


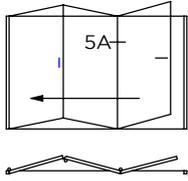
*For inward opening, outer frame profiles are turned through 180 degrees.
 The hinge installation side is also changed, sash remains unchanged.

**To prevent binding use DBA1-140 brush instead of DBA1-144 on outer frame if sliding post BF73.0502 is used.

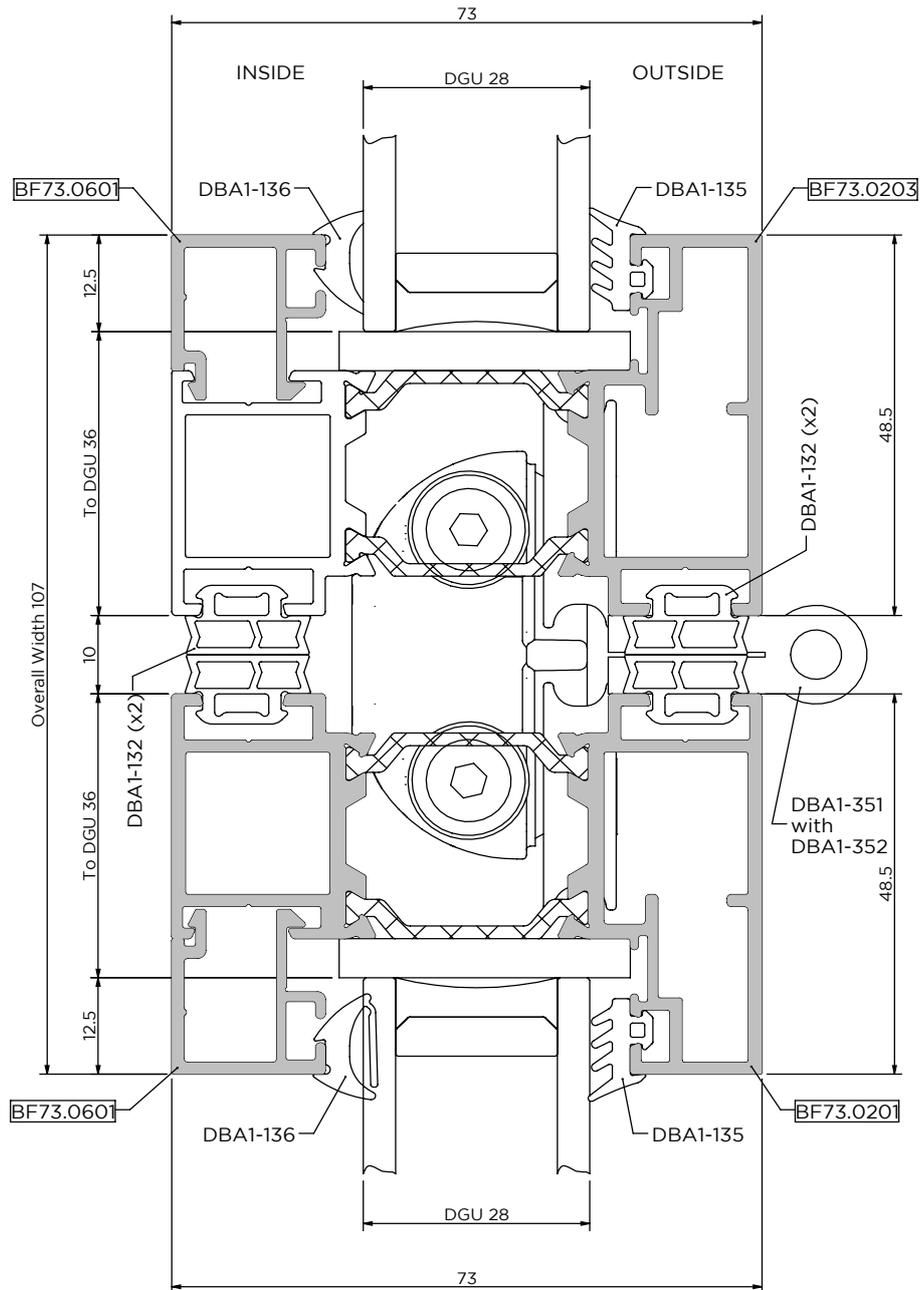
BF73 SYSTEM

Locking Intermediate with Hinges & Shootbolt
Open Out- BF73.0203 Super Slim Sash

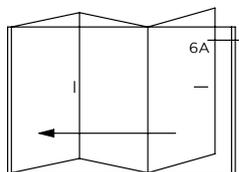




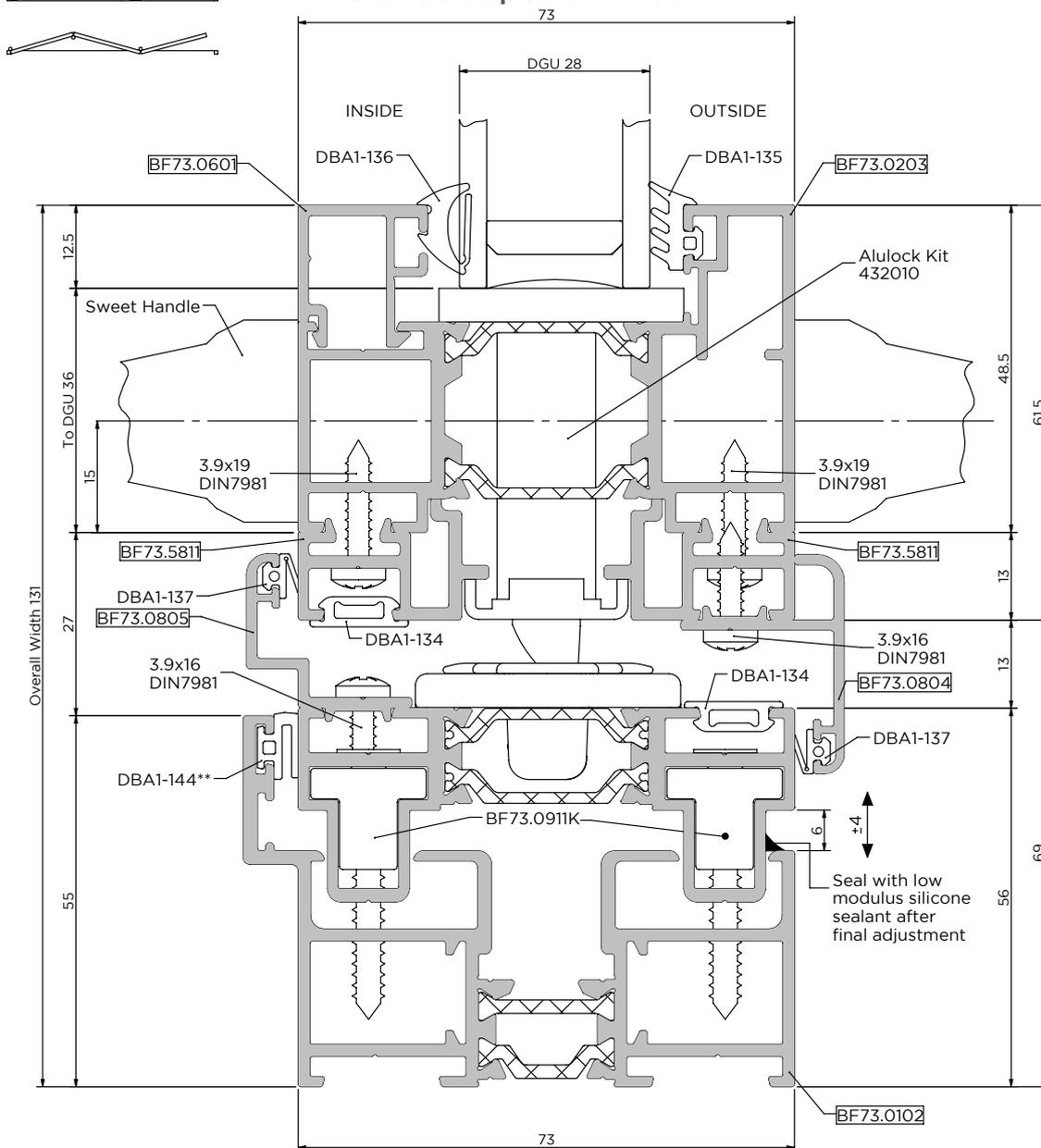
BF73 SYSTEM
Intermediate with Hinged Roller- Open Out
BF73.0203 Super Slim Sash



** For inward opening, installation side for hinge is reversed.

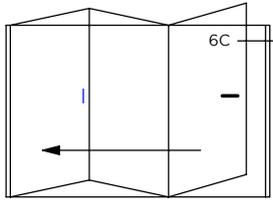


BF73 SYSTEM Swing Door- Adjustable Jamb Detail- Open Out BF73.0203 Super Slim Sash

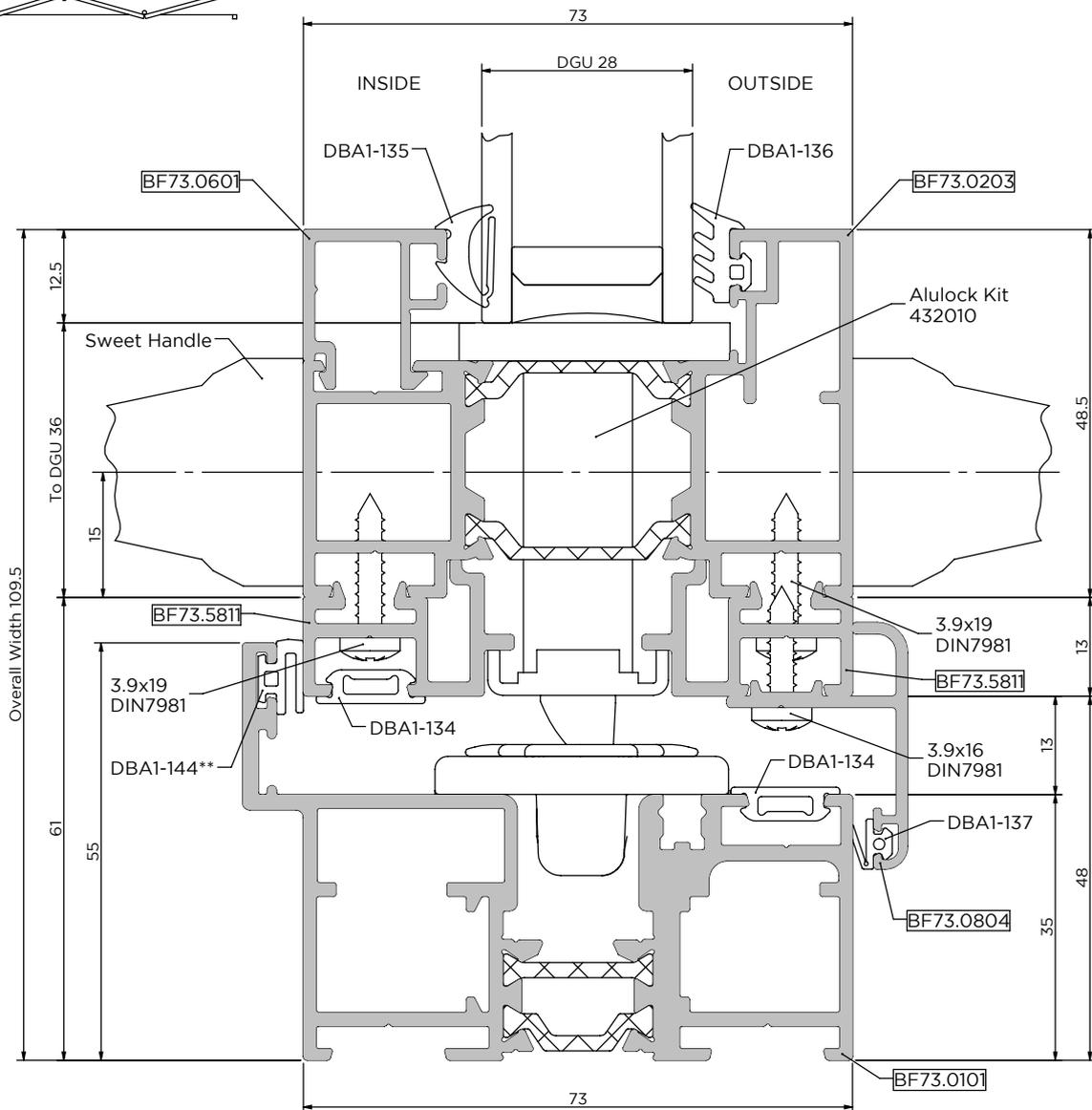


For inward opening, outer frame profiles are turned through 180 degrees.
Rebate profile BF73.0804 & 0805 positions are reversed.

**To prevent binding use DBA1-140 brush instead of DBA1-144 on outer frame if sliding post BF73.0502 is used.

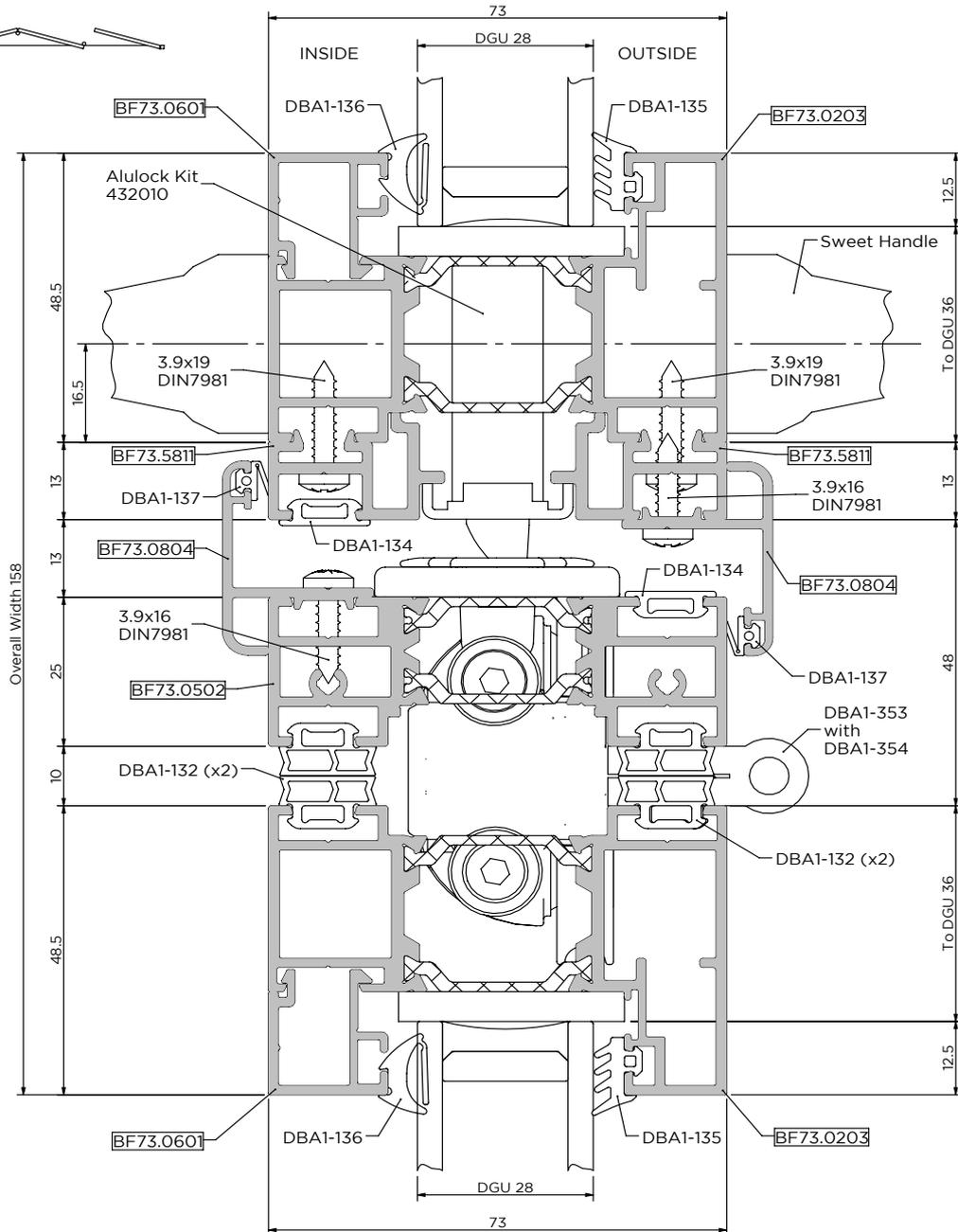
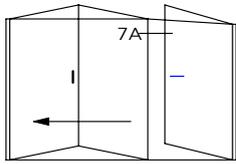


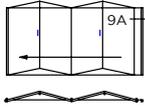
BF73 SYSTEM
Swing Door Jamb Detail- Open Out
BF73.0203 Super Slim Sash



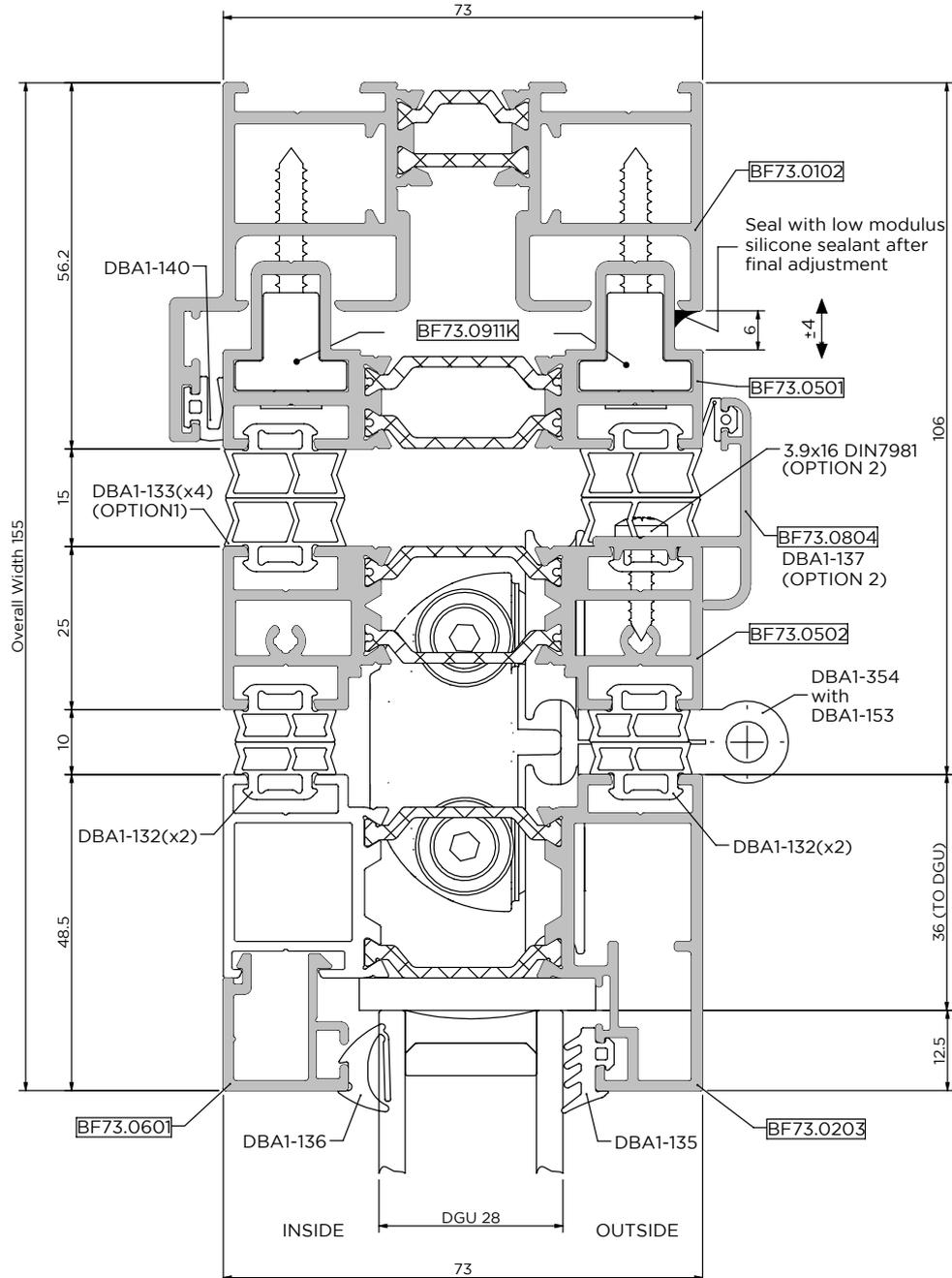
BF73 SYSTEM

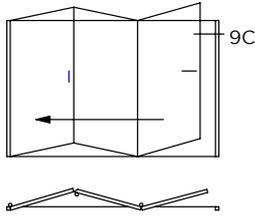
Slide Post to Swing Pass Door- Open Out
BF73.0203 Super Slim Sash



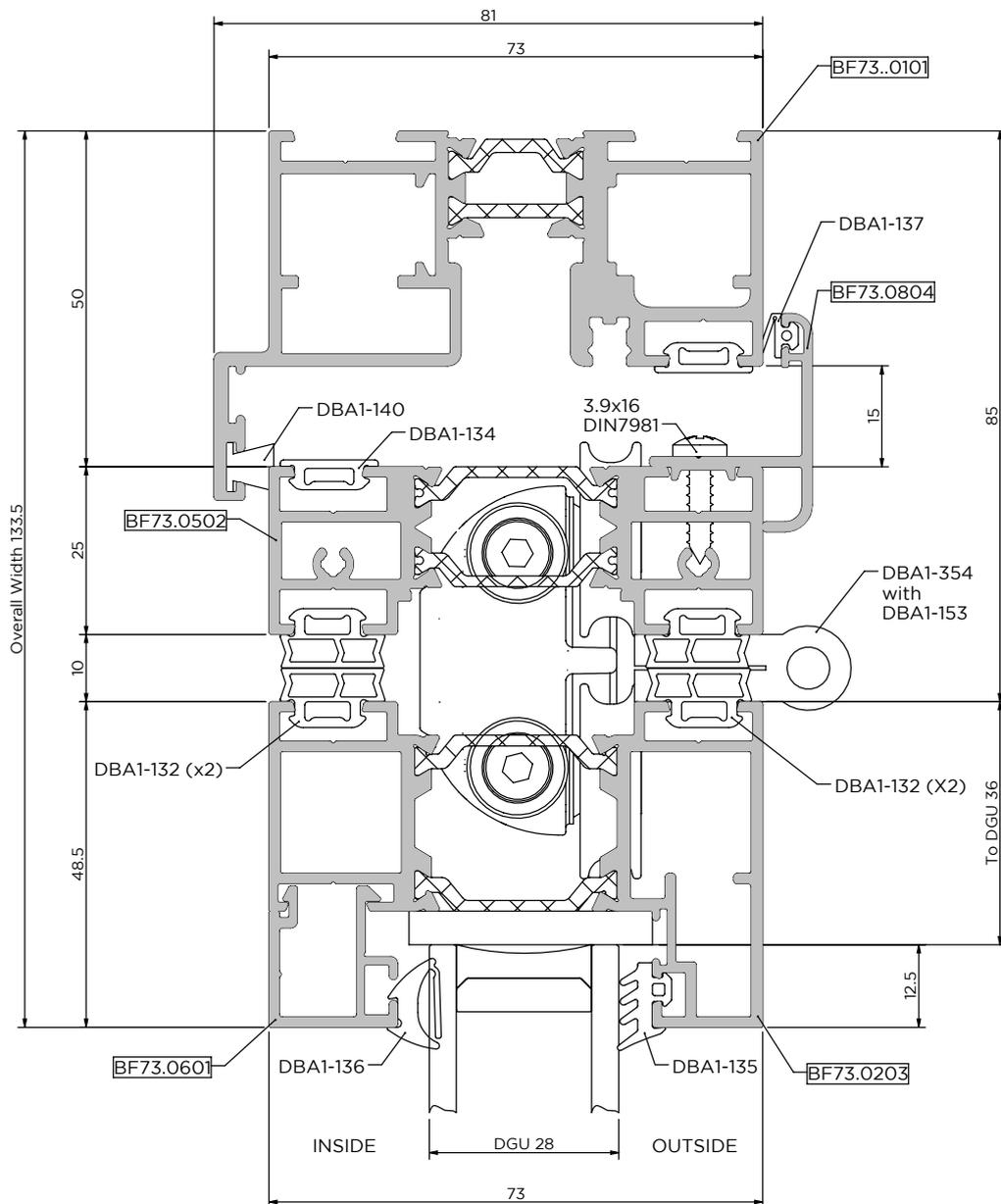


BF73 SYSTEM
Slide Post to Outer Frame with Adjustable Jamb
Open Out
BF73.0203 Super Slim Sash

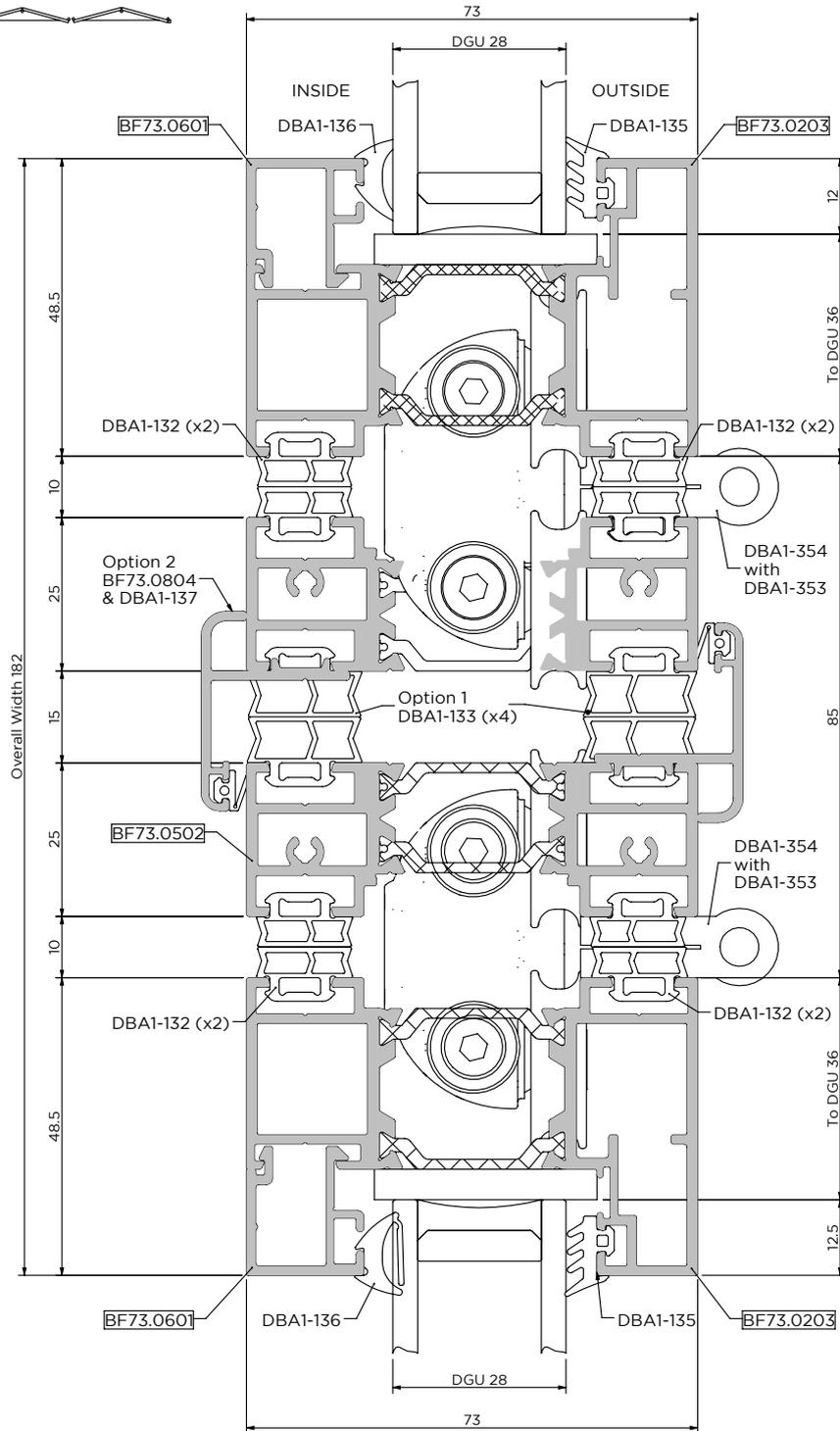
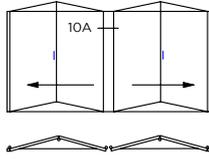




BF73 SYSTEM Slide Post to Outer Frame- Open Out BF73.0203 Super Slim Sash

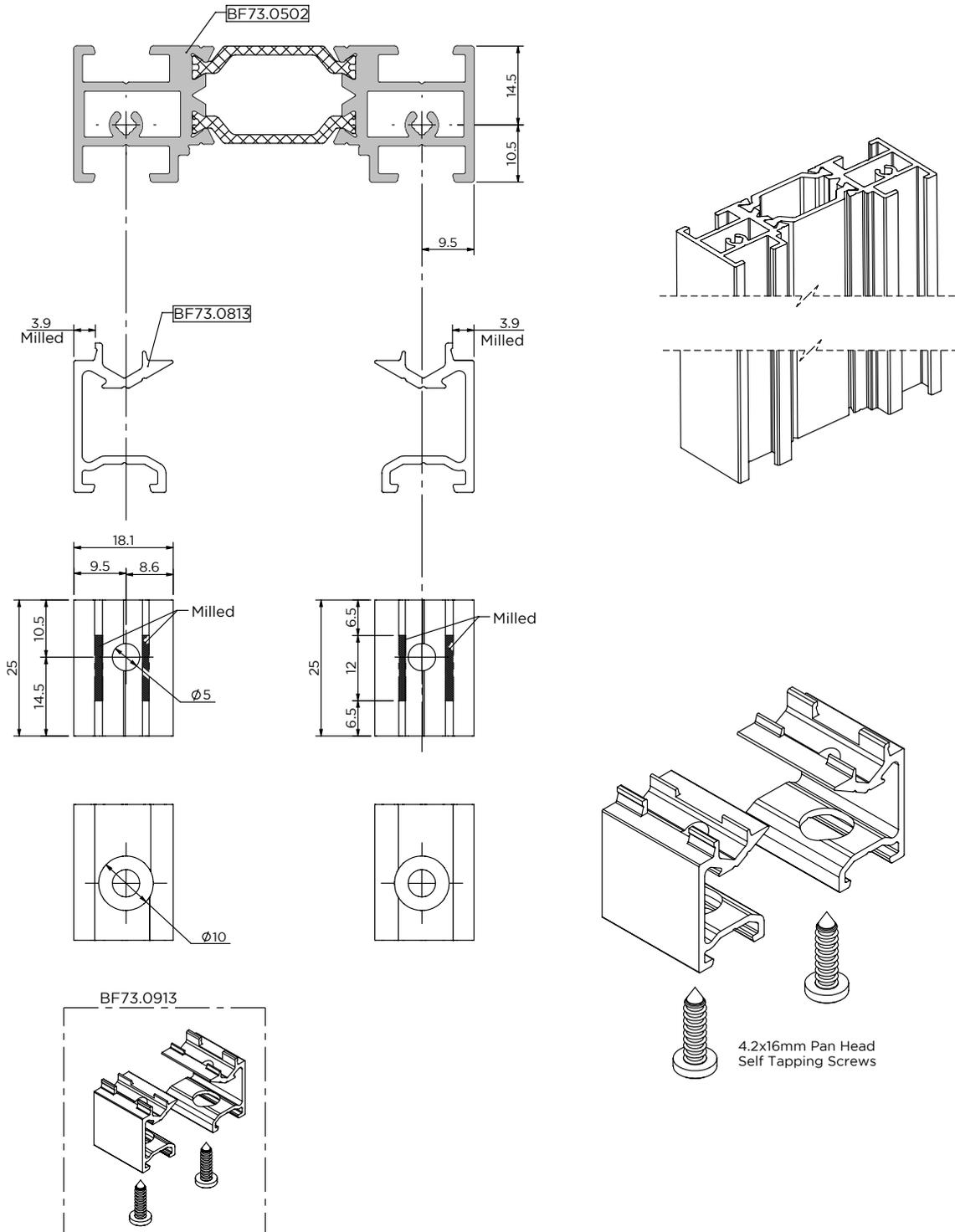


BF73 SYSTEM Slide Post to Slide Post Meeting- Open Out BF73.0203 Super Slim Sash



BF73 SYSTEM Fabrication Details

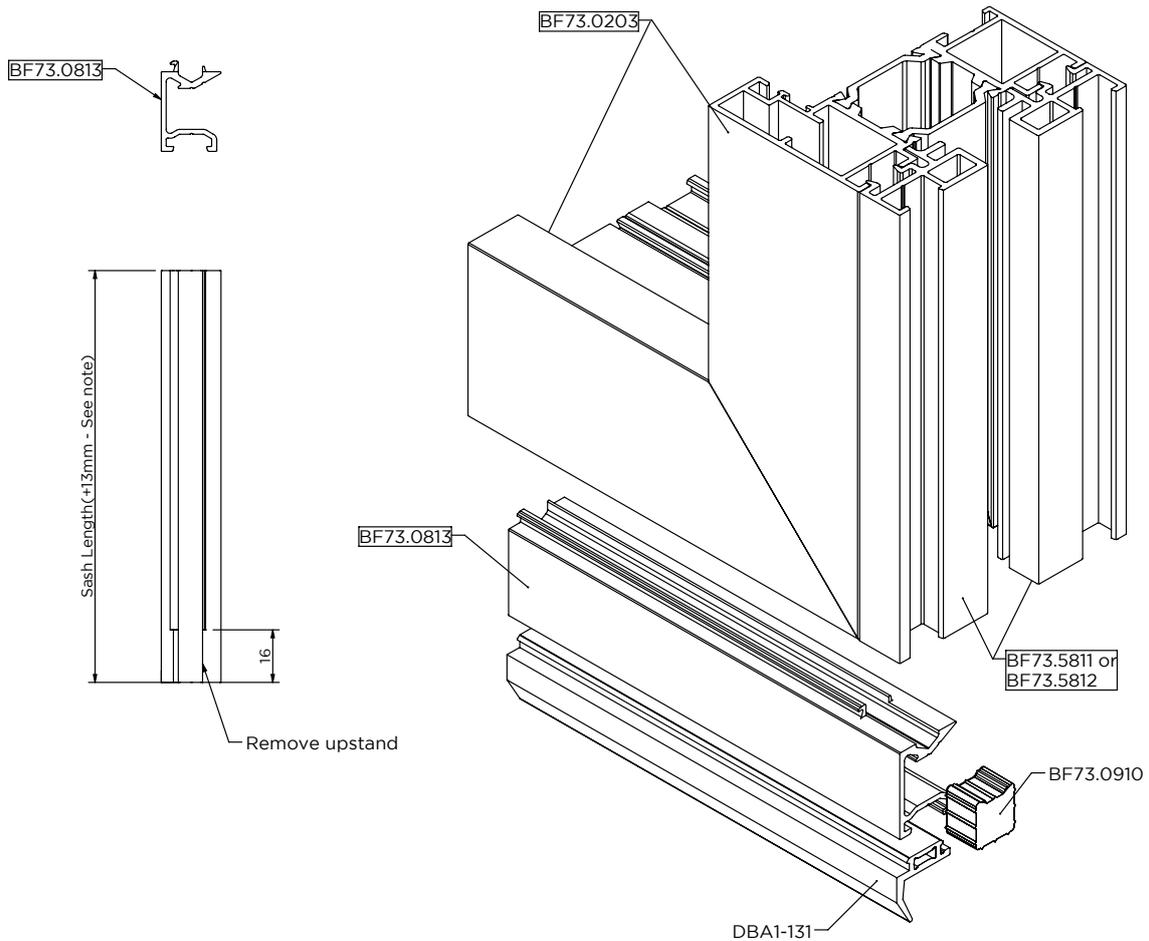
Sash Extension Preparation



NOTE : BF73.0813 sash extensions are handed

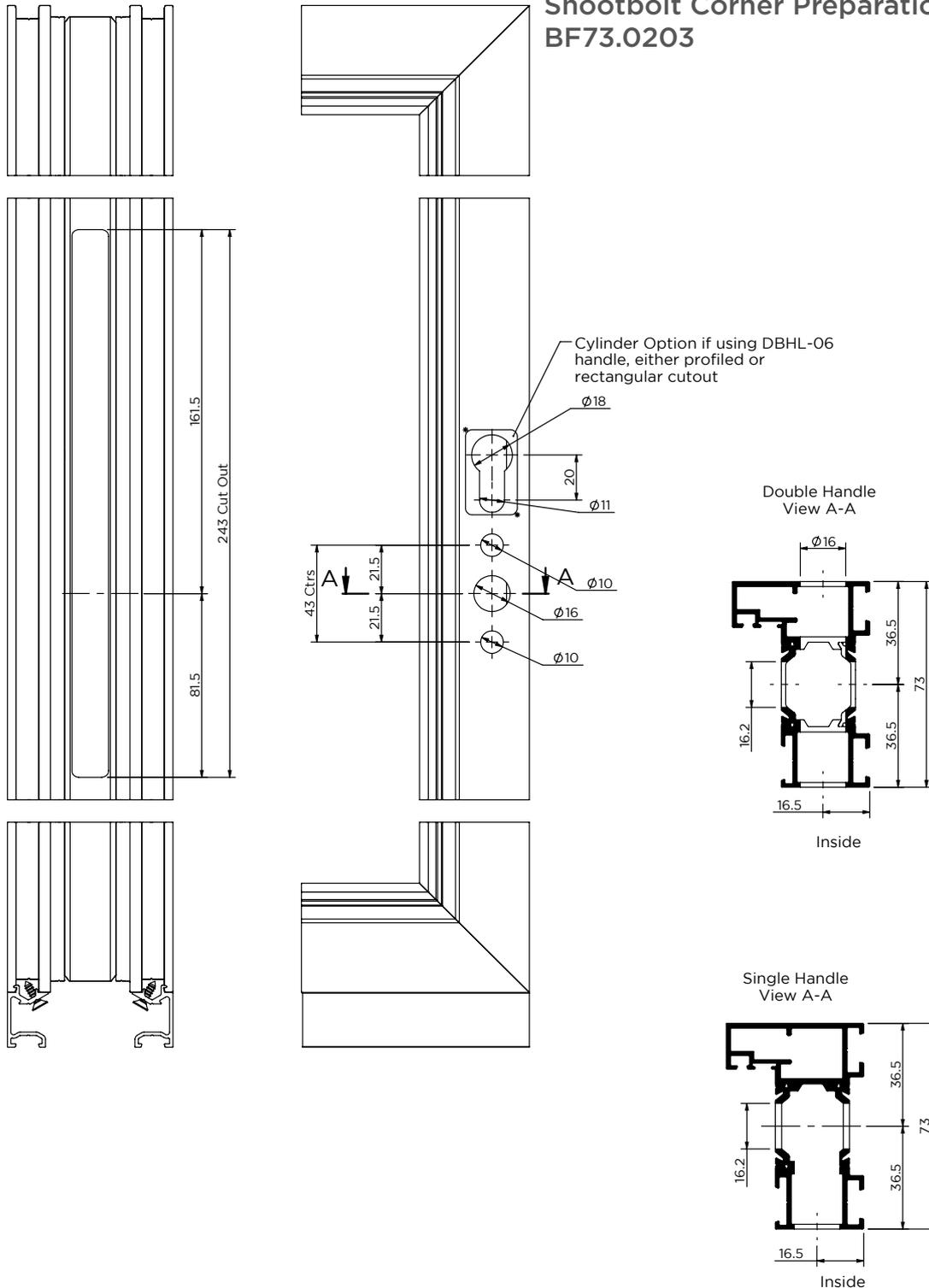
BF73 SYSTEM Fabrication Details

Notch Detail for Sash Extension (BF73.0813)

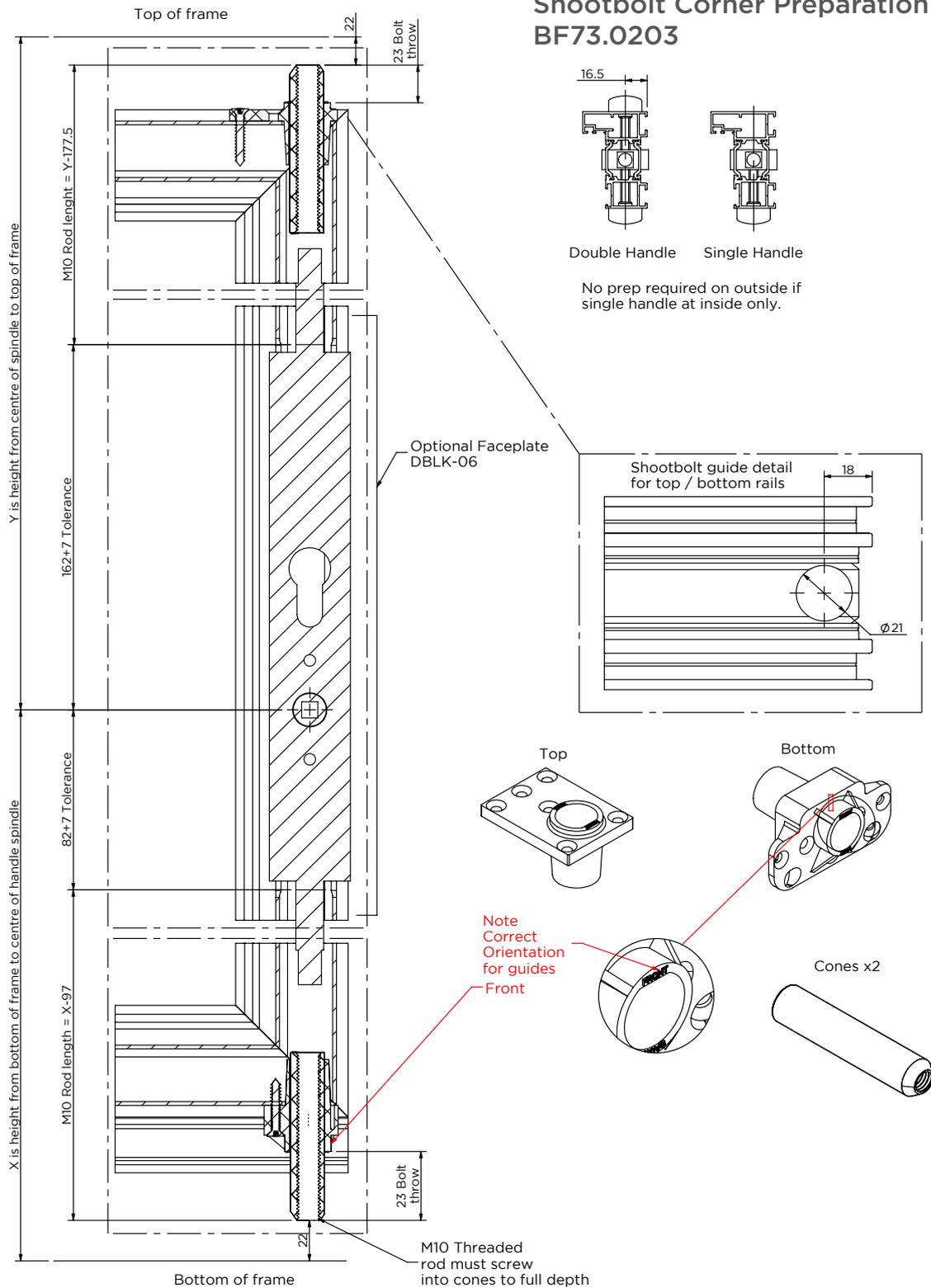


NOTE:
BF73.0813 Sash extension is 13mm longer when BF73.5811 Lock Adaptor & BF73.5812
Keep Adaptor are applied at lead edge of pass/swing door.

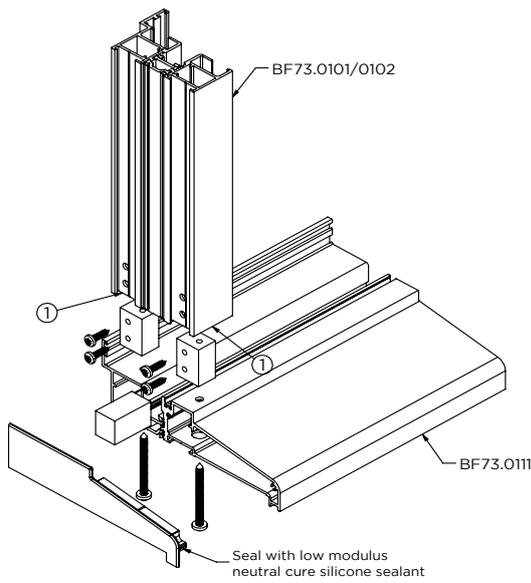
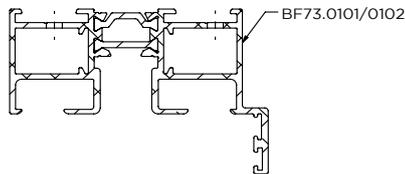
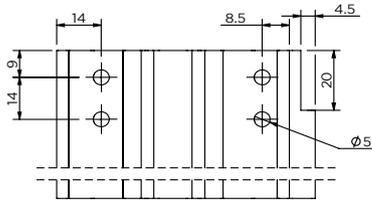
BF73 SYSTEM Shootbolt Corner Preparation Details BF73.0203



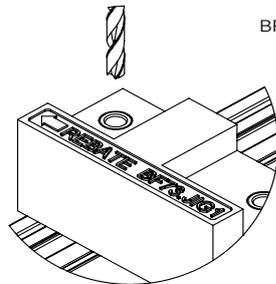
BF73 SYSTEM Shootbolt Corner Preparation Details BF73.0203



For preparation of profiles use BF73.PH3 or Jigs BF73.JIG1 & BF73.JIG2

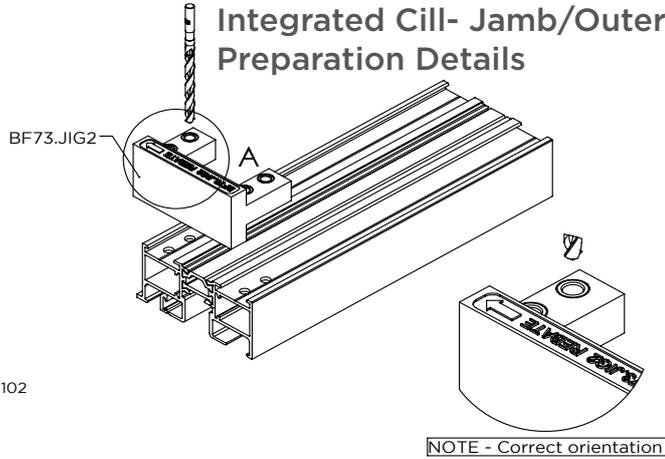


① Apply low modulus silicone to seal joint



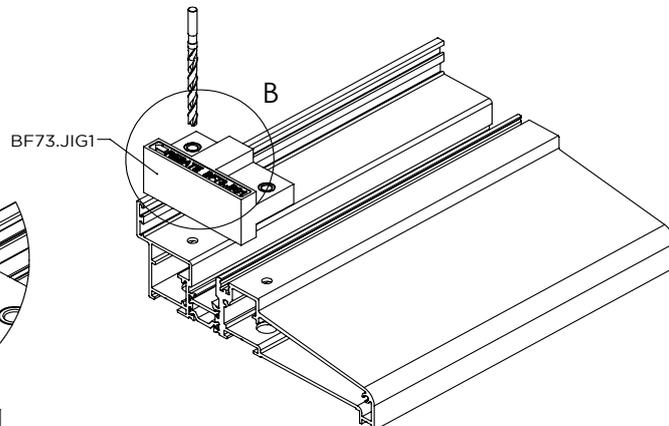
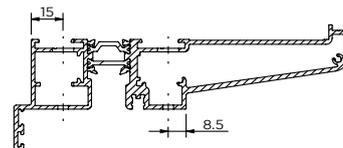
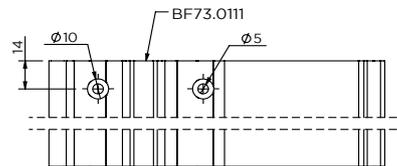
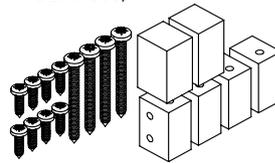
NOTE - Correct orientation

BF73 SYSTEM Integrated Cill- Jamb/Outer Frame Preparation Details



NOTE - Correct orientation

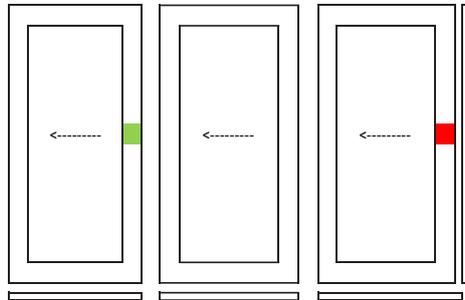
Integrated Cill Fixing Kit DBA1-505/KIT



Fabrication Manual

BF73. TECHNICAL DETAILS

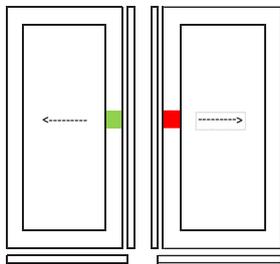
LAYOUT + CUTTING



Odd Pane (1/3/5 etc) Standard Profiles Required

(Low Rise Threshold and Adjustable Jamb Options Available)

- BF73.0101 Std Outer Frame
- BF73.0201 Slim Sash *(Other Sizes Available.)*
- BF73.0601 28mm Bead *(Other Sizes Available.)*
- BF73.0803 Sash Extension *(Bottom of Each Sash.)*
- BF73.0801 Multi Point Lock Extension
- BF73.0804 Rebate



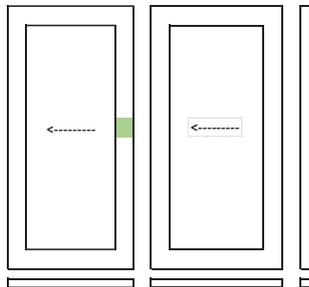
French Door Standard Profiles Required

(Low Rise Threshold and Adjustable Jamb Options Available)

- BF73.0101 Std Outer Frame
- BF73.0201 Slim Sash *(Other Sizes Available.)*
- BF73.0601 28mm Bead *(Other Sizes Available.)*
- BF73.0803 Sash Extension *(Bottom of Each Sash.)*
- BF73.0801 Multi Point Lock Extension
- BF73.0802 Sash Keep Extension
- BF73.0804 Rebate x2 *(Inside and Outside of sash)*

Lock Positions

- Master Door Lock
- Shootbolt Lock



Even Pane (2/4/6 etc) Standard Profiles Required

(Low Rise Threshold, Half Roller and Adjustable Jamb Options Available.)

- BF73.0101 Std Outer Frame
- BF73.0201 Slim Sash
- BF73.0502 Sliding Post *(Not Required if Using Half Roller)*
- BF73.0601 28mm Bead *(Other Sizes Available.)*
- BF73.0803 Sash Extension *(Bottom of Each Sash.)*
- BF73.0804 Rebate
- DBA1-303 Optional Sliding Post Extensions
(Can Be Cut and fabricated From BF73.0803.)

Nearly all other configurations can be made with a mixture of these styles

(If making a Corner Bifold, DBE-160 Corner post and its Kit will be required)

CUTTING

YOU MUST REDUCE THE SASH WIDTHS FROM THE CUTTING SHEET BY THE FOLLOWING AMOUNTS

1-2 Pane	No Reduction
3 pane	. - 1.5mm From Width of Sashes
4 Pane	. - 1mm From Width of Sashes
5+ Pane	Measure The Last Sash In

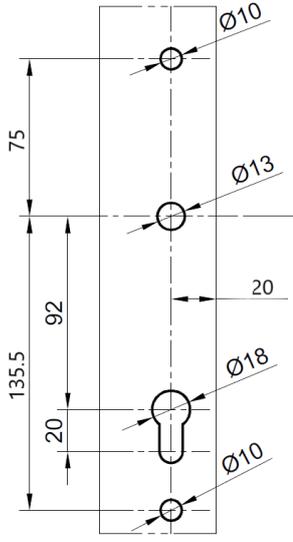
The width measurement for the last sash is:

Measure the gap between the metal of the last sash and the metal of the inside of the outer frame
 and **-34mm.**

ROUTING DETAILS

MAKE SURE THE TOP HOOK ON THE LOCKSTRIP ISNT TOO HIGH BEFORE ROUTING.

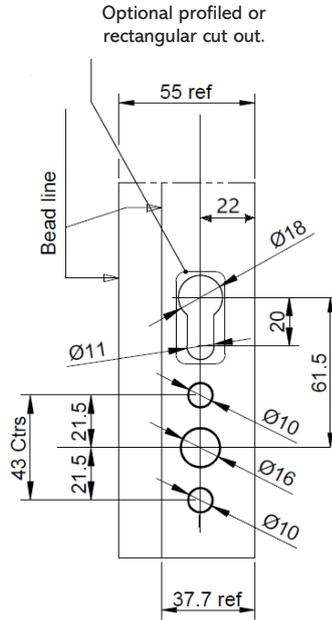
SWEET HANDLE



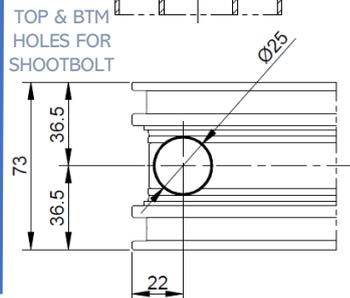
Double hook.
432010
432114 LH
432115 RH
←
(Distance from outer edge.)

Double Hook
432010
432114 LH
432115 RH

SHOOTBOLT ROUTING

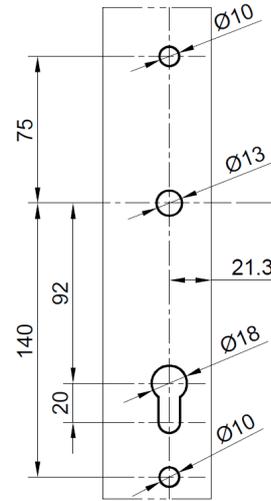


Optional profiled or rectangular cut out.



TOP & BTM HOLES FOR SHOOTBOLT

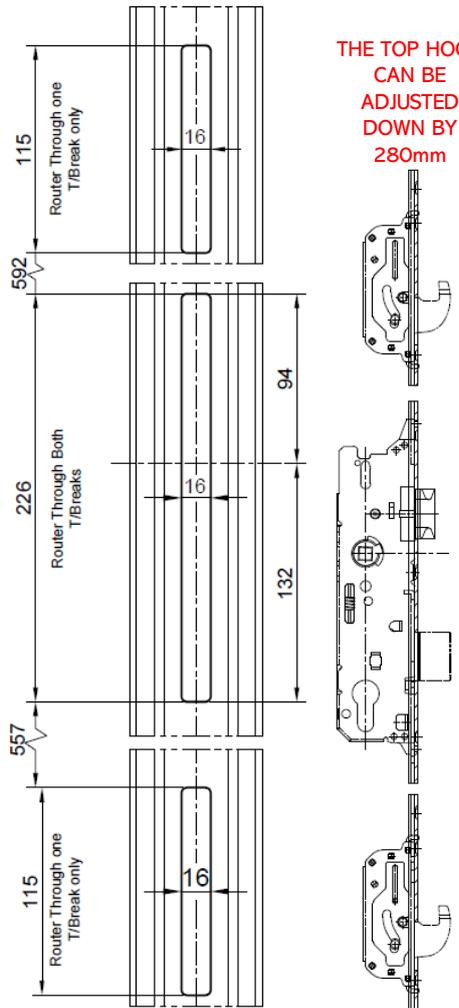
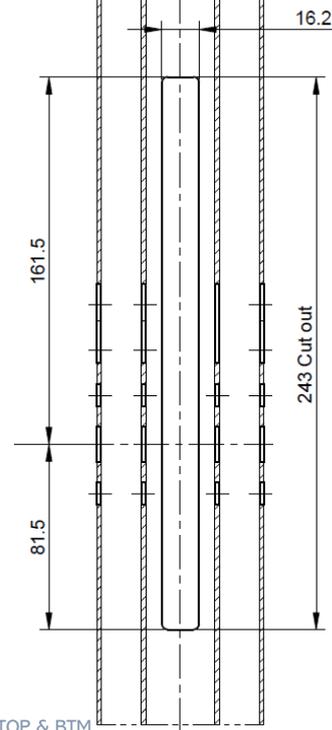
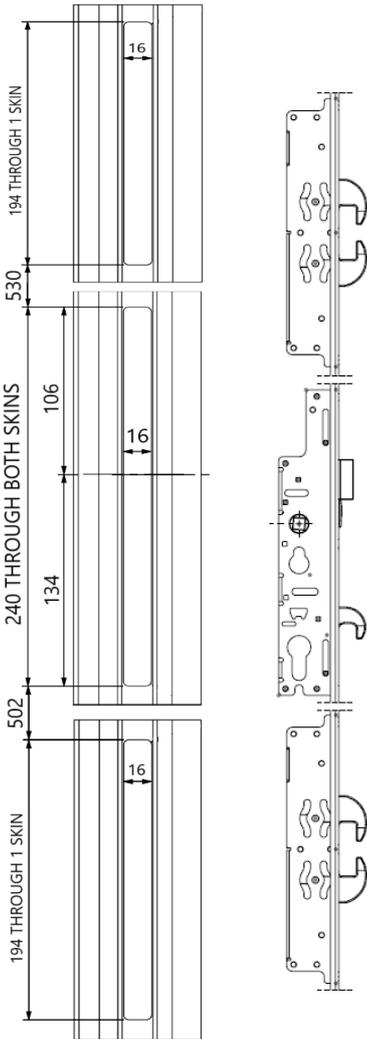
HOPPE ATLANTA HANDLE



Single hook,
DBLK-50/LH
DBLK-50/RH
←
(Distance from outer edge.)

Single Hook
DBLK-50/LH
DBLK-50/RH

Extension with top shoot bolt available



THE TOP HOOK CAN BE ADJUSTED DOWN BY 280mm

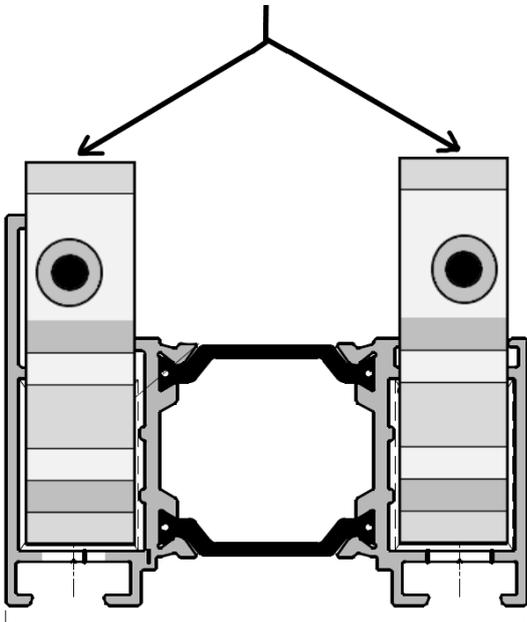
**M10 THREADED ROD
CUT LENGTHS FOR SHOOTBOLT**

SPINDLE HEIGHT	BOTTOM ROD LENGTH	TOP ROD LENGTH <i>SASH (CUT SIZE)</i>
	1050	1013
1020	983	-1116
1000	963	-1136

TO SET THE RODS AND ENDS

- Screw rods in tight
- Screw on the shoot bolt end cones until the rod is flush with the end.
- Turn the cones 2 full turns back.

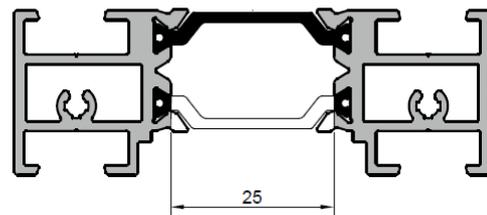
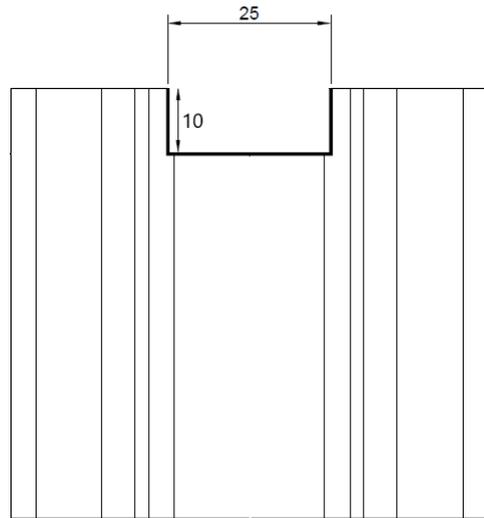
**MAKE SURE THE OFFSET HOLES
IN SASH CLEATS ARE TO THE
OUTSIDE OF THE SASH.**



**WE RECOMMEND THAT SMALL
GAP SEALANT IS APPLIED TO ALL
SASH CORNERS AS IN ADDITION
TO THE MECHANICALLY/CRIMP
FIXED CLEATS**

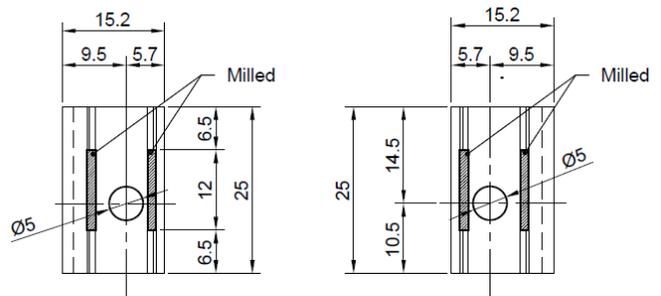
**SLIDING POST ROUTING
(TOP ONLY)**

BF73.0502

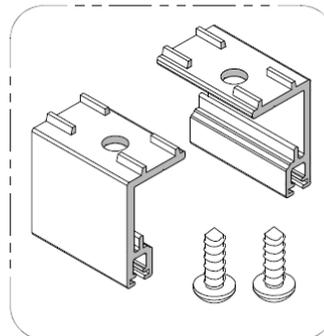


**POST SASH EXTENSION
DETAIL**

BF73.0803



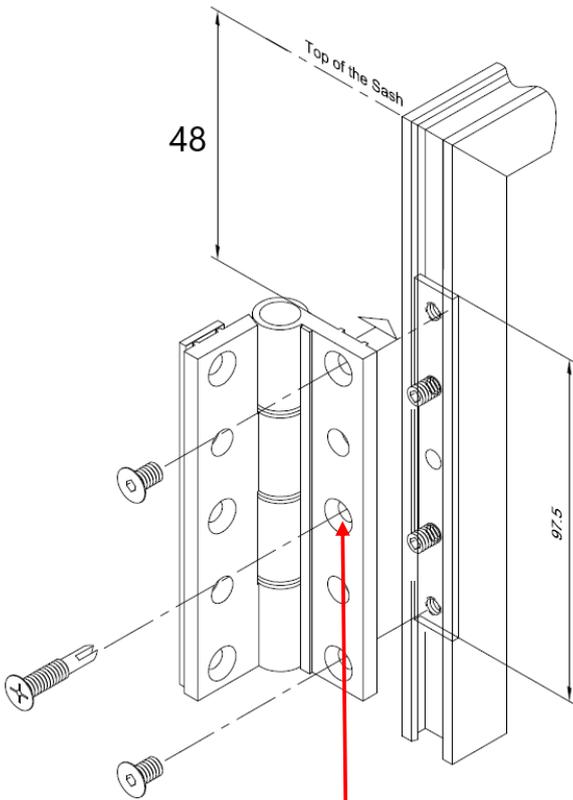
DBA1-303



**OPTIONAL
KIT ALSO
AVAILABLE**
DBA1-303

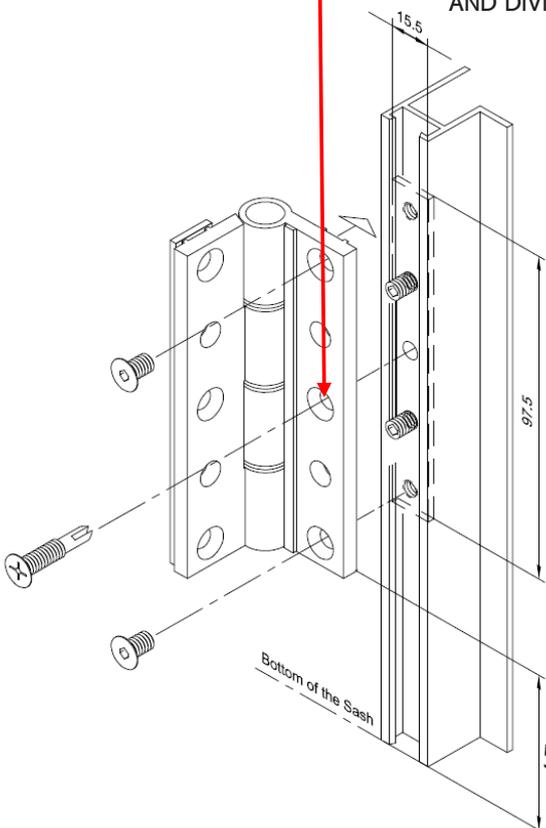
HINGE POSITIONS

THESE MEASUREMENTS ARE TO THE TOP/BOTTOM OF THE HINGE PLATE ON ALL WHEELS, GUIDES, HINGES AND HANDLES

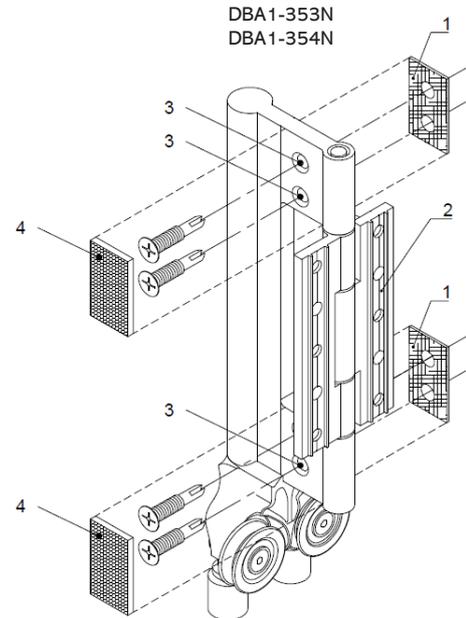


	DBA1-350N	STANDARD HINGE
	DBA1-351N	STANDARD BOTTOM ROLLER
	DBA1-352N	STANDARD TOP GUIDE
	DBA1-353N	POST BOTTOM ROLLER (SEE BELOW FOR FIXING DETAILS)
	DBA1-354N	POST TOP GUIDE (SEE BELOW FOR FIXING DETAILS)
	DBA1-355N	HINGE PULL HANDLE (OPEN OUT)
	DBA1-356N	SINGLE SIDED PULL HANDLE (OPEN IN)

FOR THE CENTRE MARK OF THE MIDDLE HINGES, MEASURE BETWEEN THE CENTRE OF THE TOP AND BOTTOM HINGES AND DIVIDE BY 3



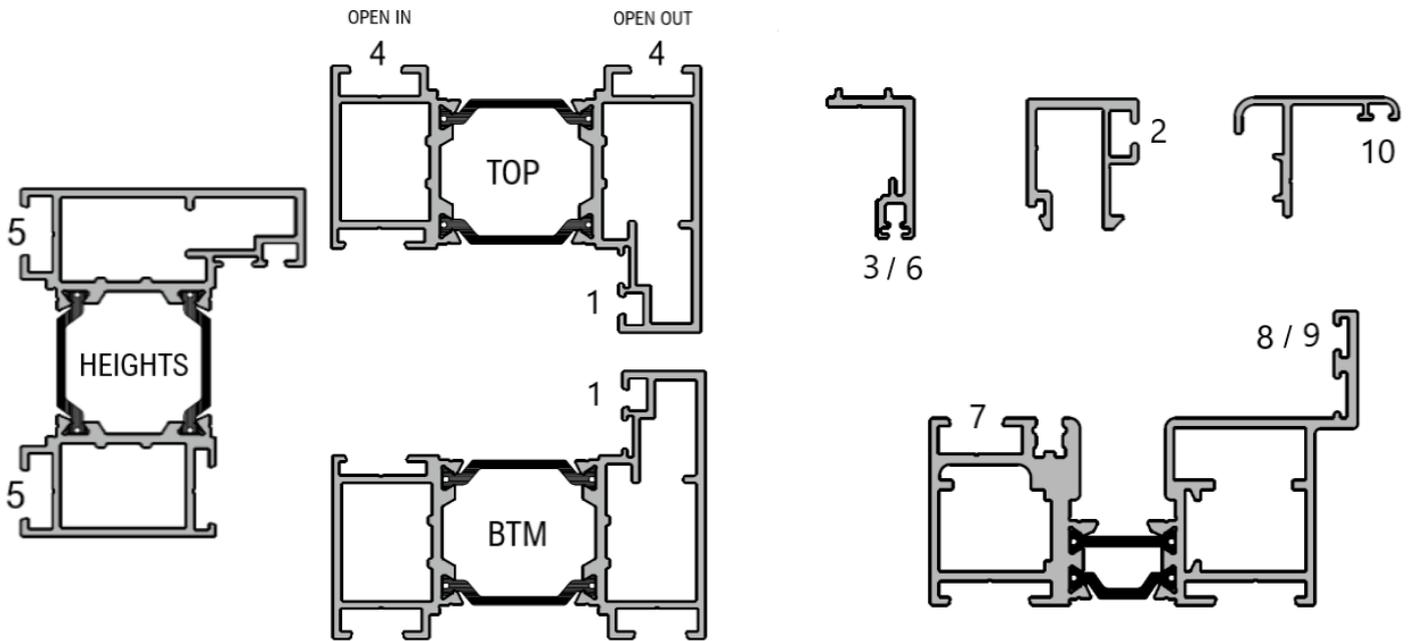
POST ROLLER/ GUIDE FIXING (Screw on to sliding post BF73.0502)



50 FROM BOTTOM OF SASH
OR 74 FROM BOTTOM OF SASH EXTENSION

GASKETS

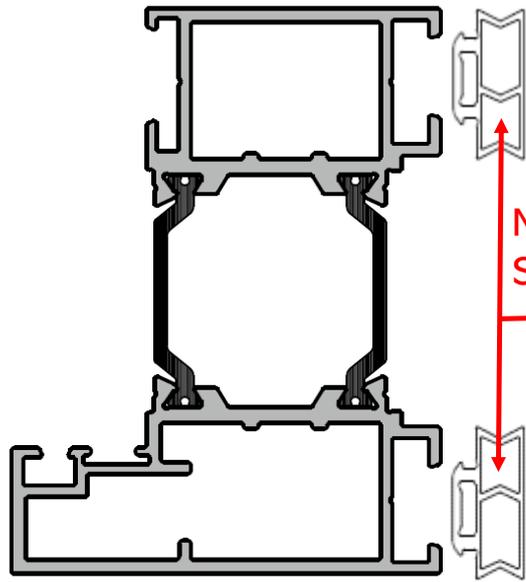
POSITIONS + CODES



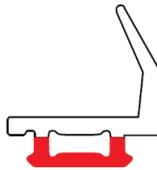
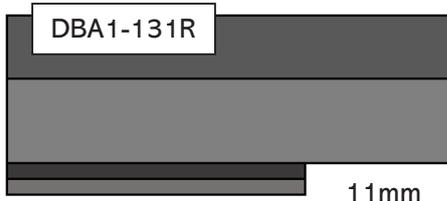
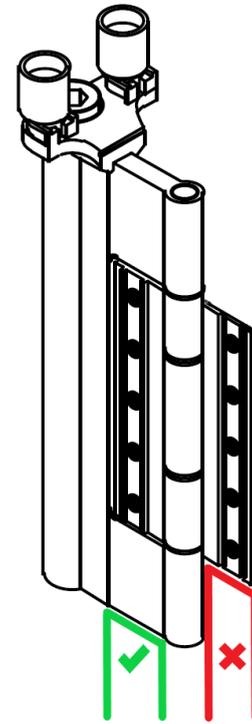
PICTURE	DESCRIPTION	CODE	POSITION	QTY (M)
	CAPTIVE (E) GASKET	DBA1-135N	1	125
	WEDGE GASKET	DBA1-136	2	125
	BTM HORIZONTAL SEAL	DBA1-143	3	200
	TOP HORIZONTAL SEAL	DBA1-131R	4	100
	VERTICAL SASH SEAL 5.5mm	DBA1-132	5	125
	LOW LEVEL CILL FIN WEATHERPILE	DBA1-141	6	100
	COVER GASKET	DBA1-134	7	200
	OUTER FRAME SEAL	DBA1-144	8	200
	OUTER FRAME WEATHERPILE	DBA1-140	9	200
	REBATE SEAL	DBA1-137	10	250

**IF THE DOOR HAS A SLIDING POST (e.g., 2/4/6 panels all one way)
DBA1-140 OUTER FRAME WEATHERPILE MUST BE USED INSTEAD OF
DBA1-144 OUTER FRAME SEAL**

GASKET PLACEMENT + CUTTING.

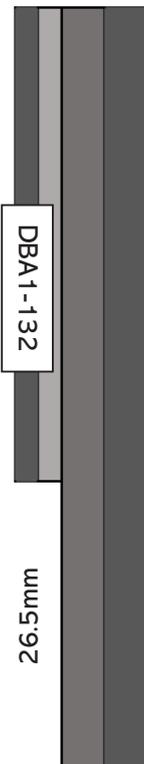


MAKE SURE THE SMALL
SIDE OF THE GASKET IS
TOWARDS THE
THERMAL BREAK

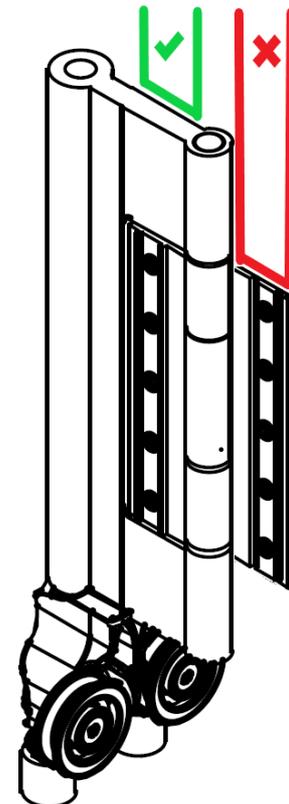
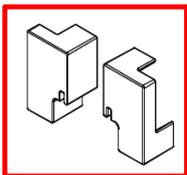


ONLY GASKET UP TO THE
OUTER EDGE OF THE
WHEELS/GUIDE, DO NOT
GASKET UP TO THE HINGE
PLATE ON ANY SIDE

CUT THE BACK OFF
THE GASKETS WITH
A SHARP BLADE
AND SUPER GLUE
TOGETHER
(SEE SECTIONS IN RED)



MAKE SURE TO INSERT
DBA1-106 PLASTIC
INSERTS BEFORE
GLUEING



Any other questions please call James Naylor
Fabrication Engineer on 07825 750217



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