

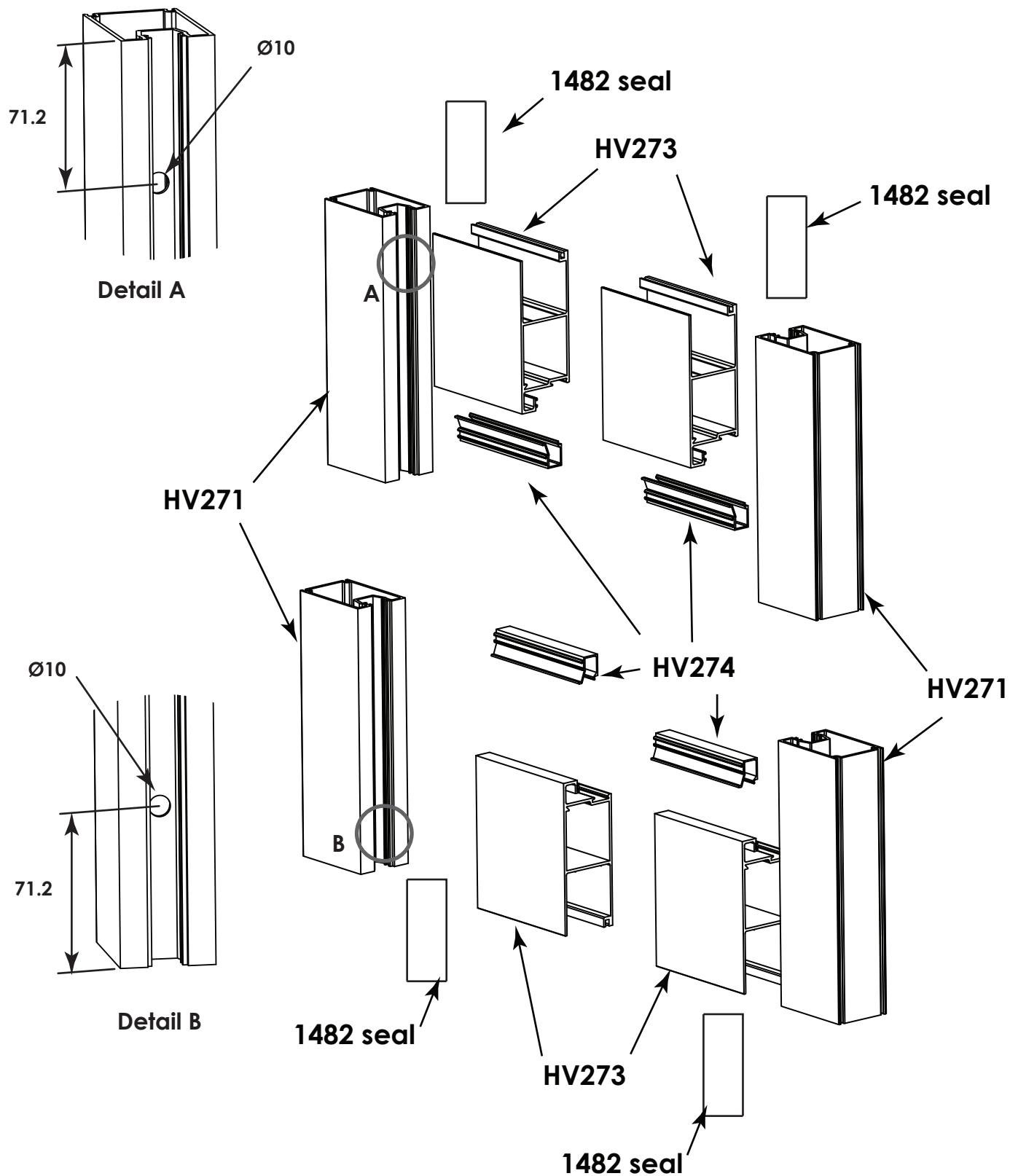
ALMet

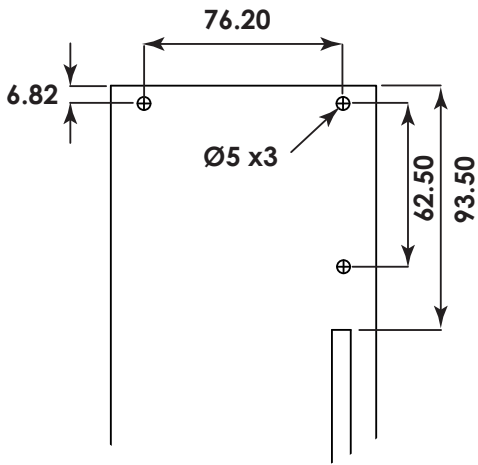
ALUMINIUM

High View Bi Fold Door Fabricator's Manual

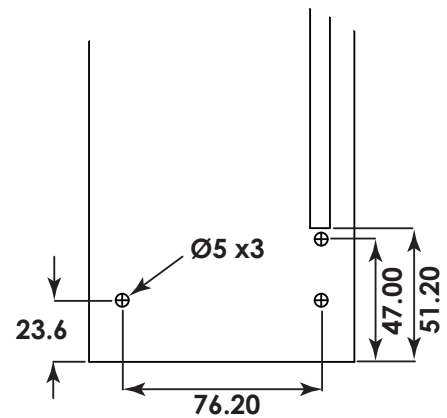
- Max door panel weight is 75kg
- Max overall unit height is 2700mm
- Max door panel width is 900mm
- No drilling required for flushbolts or locking systems
- Concealed bottom channel for improved weatherproofing and enhanced appearances
- Multiple choices of heads and sills available
- Removable head track gives easy access if future maintenance is required
- One head track suits both 45 kg and 75 kg hardware
- Head tracks are in durable clear anodised finish, creating less resistance for carriages, extending the life of the rollers
- Tested and approved by an independent NATA accredited laboratory
- Fits with all **Almet** commercial 101.6 mm sections

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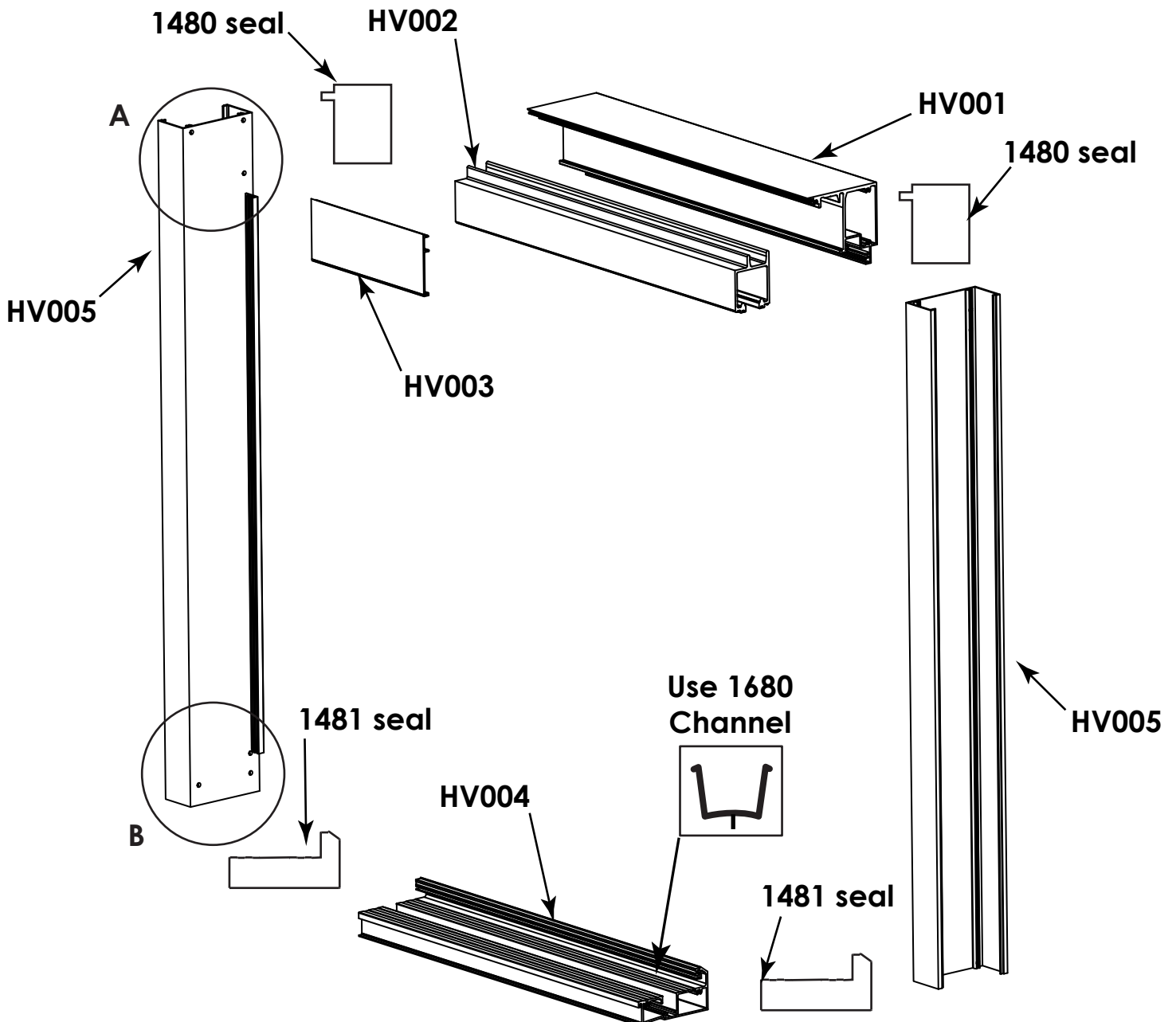


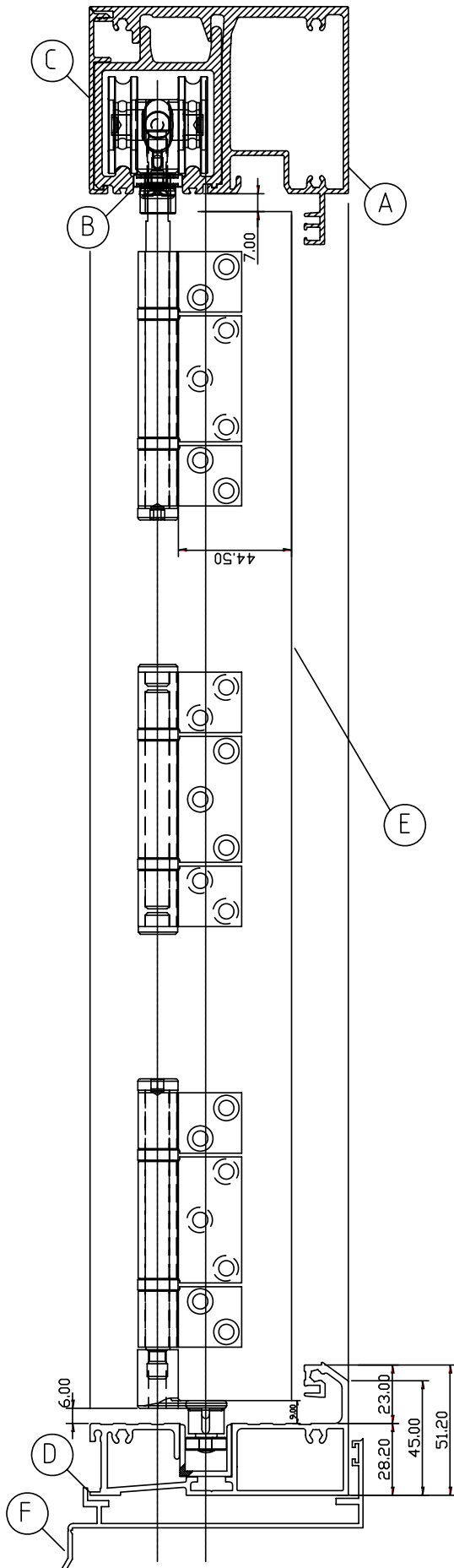


Machining Detail A



Machining Detail B

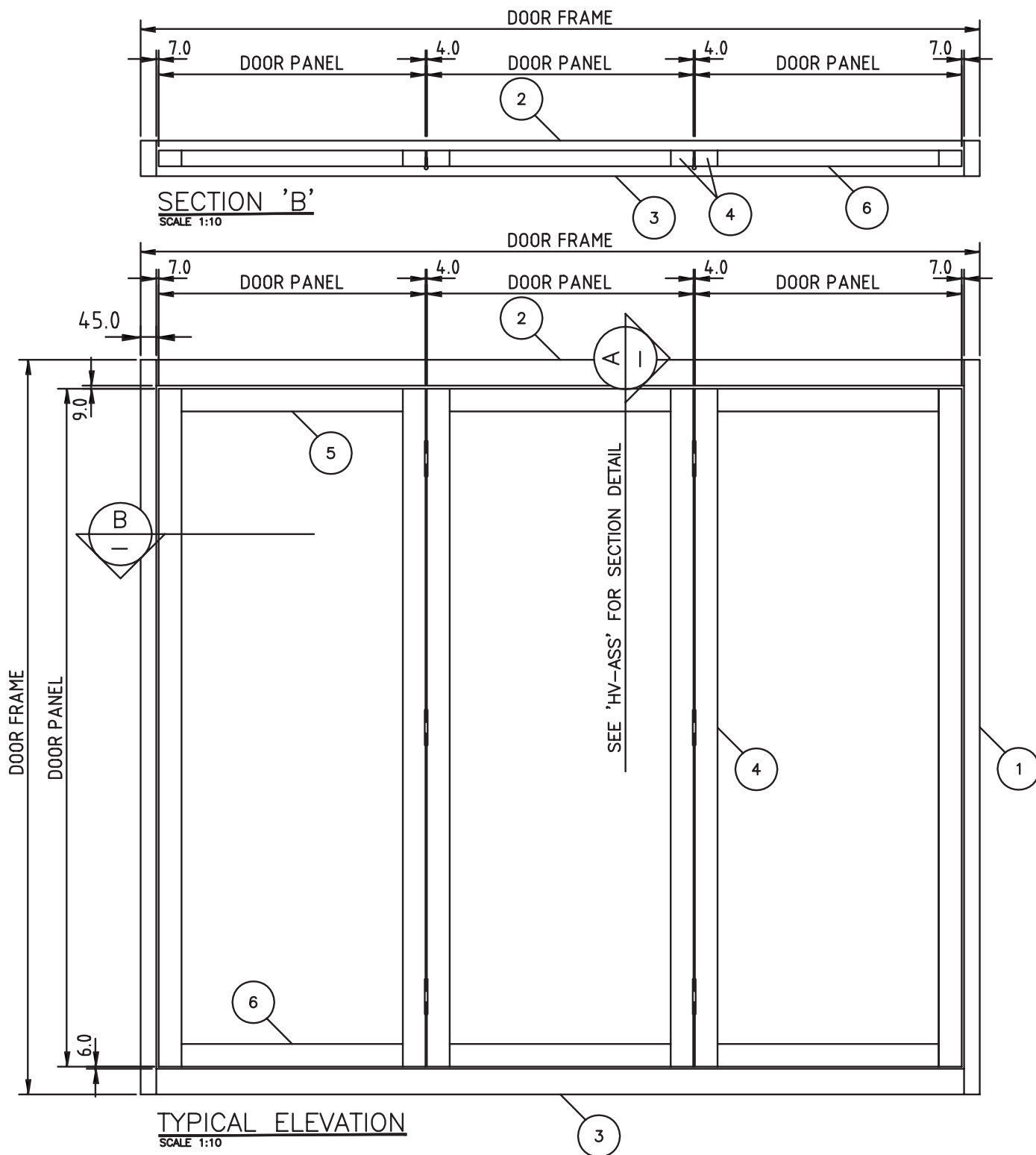


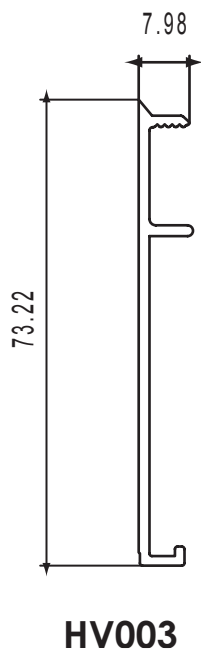
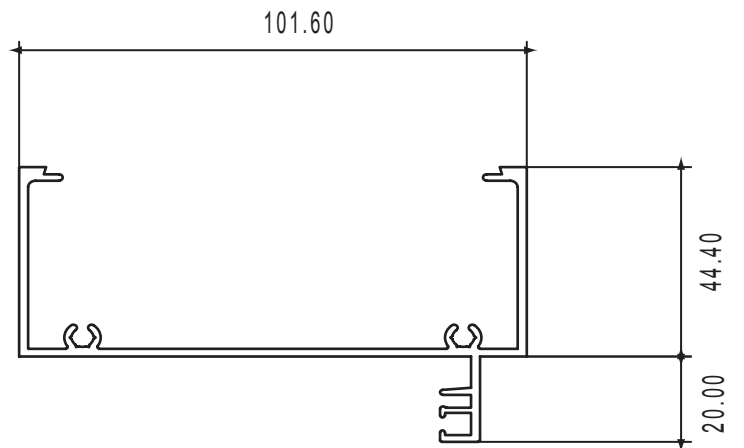
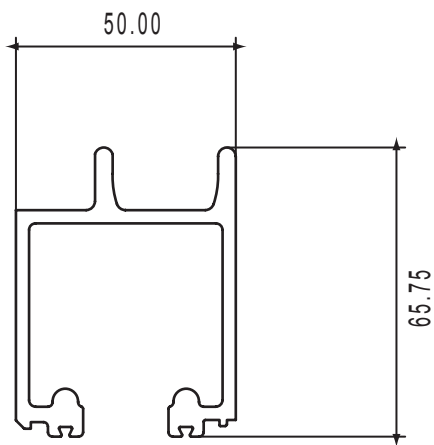
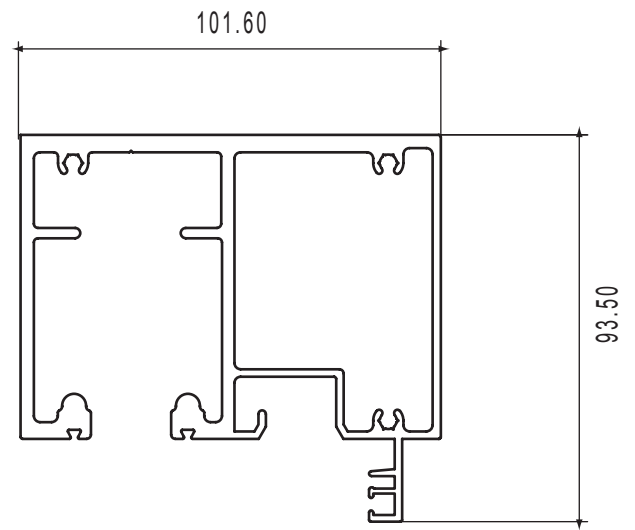
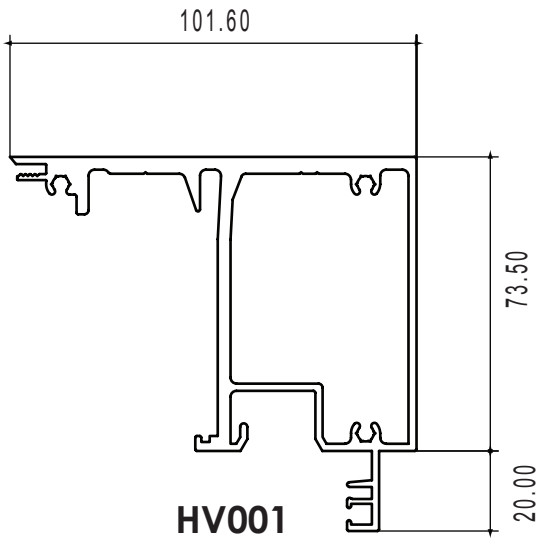


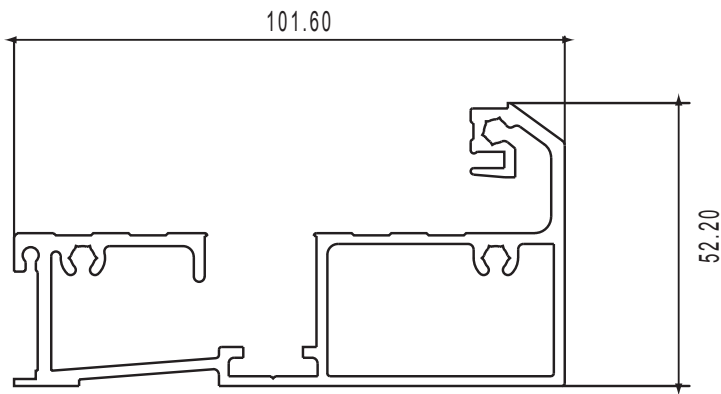
Item	Description
A	SECTION – HV 001
B	SECTION – HV 002
C	SECTION – HV 003
D	SECTION – HV 004
E	SECTION – HV 271
F	SECTION – CF 430

SECTION 'A'
SCALE 1:10

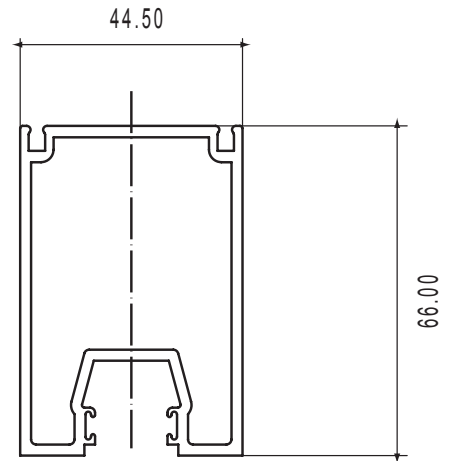
Item	Description
1	SECTION – HV005
2	SECTION – HV001,002,003
3	SECTION – HV004
4	SECTION – HV271
5	SECTION – HV273,274
6	SECTION – HV273,274



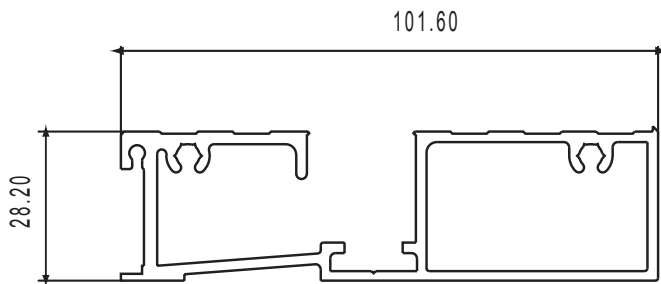




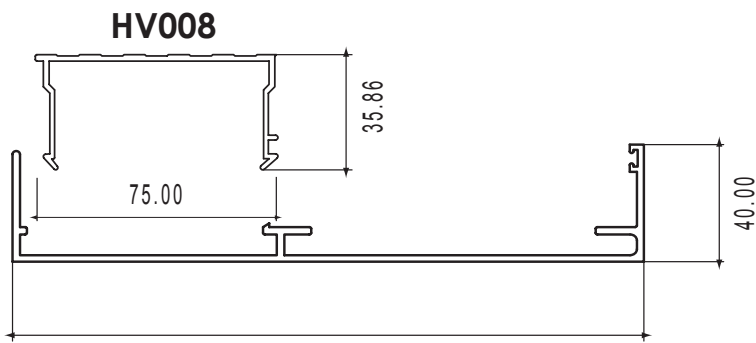
HV004



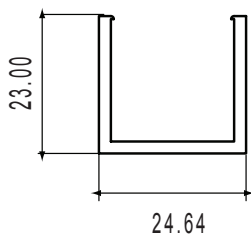
HV271



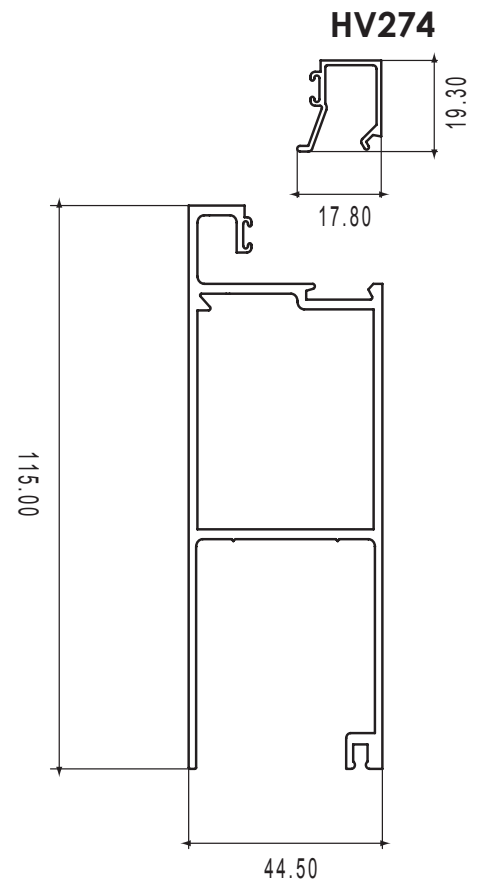
HV006



HV007

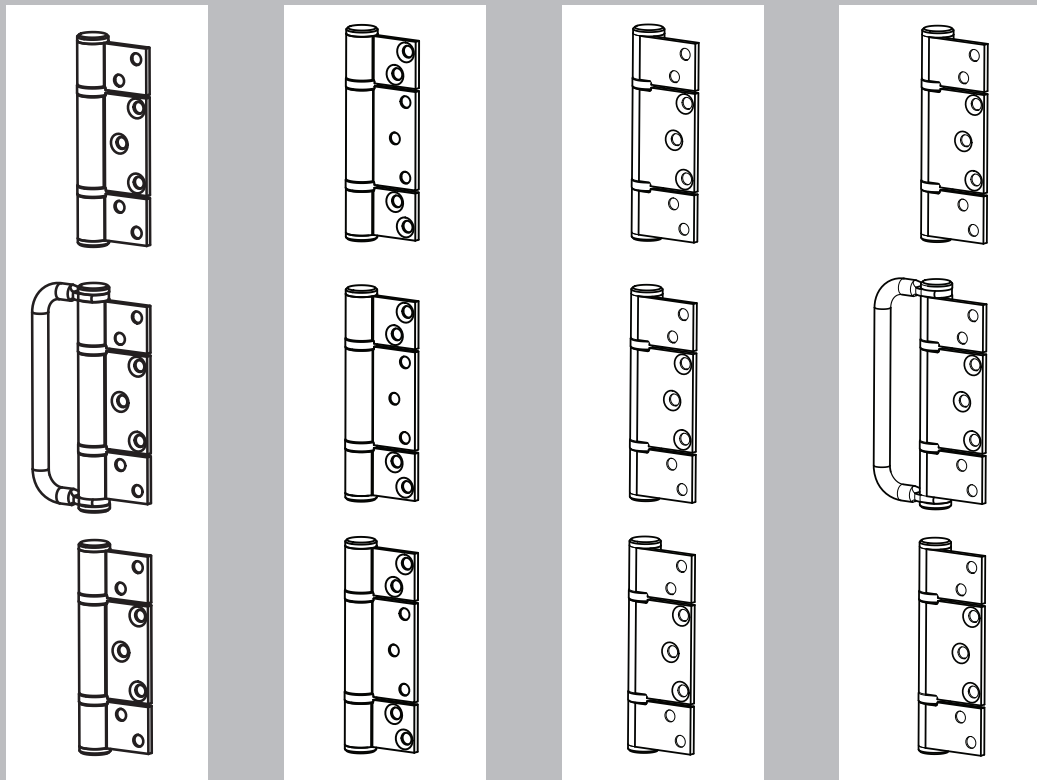


HV010



HV273

Hinge Sets



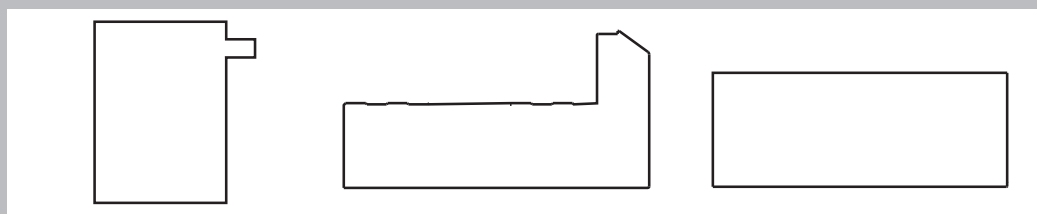
1530
HEN3

1550
HEN5-H

1560
HEN6-H

1570
HEN7

Foam Seals Grey colour

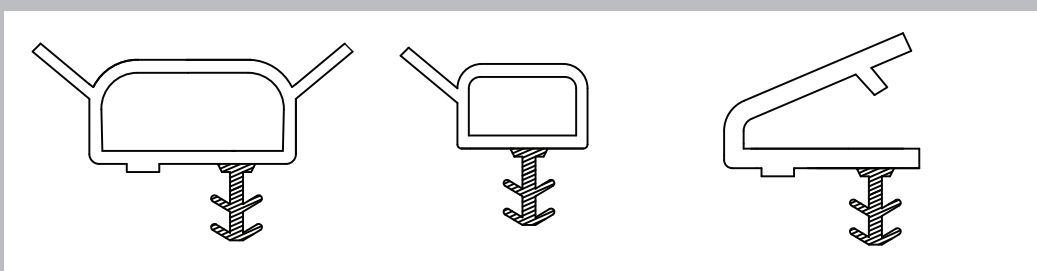


1480
To suit: HV009 + HV001

1481
HV004 + HV006

1482
HV273

Seals

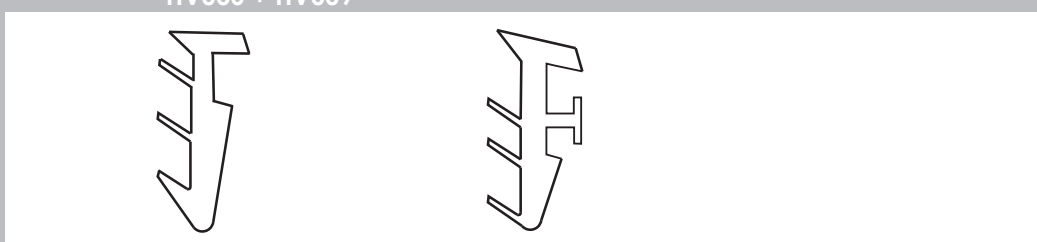


1683
To suit: HV001 + HV004
HV006 + HV009

1682
HV271

1681
HV005

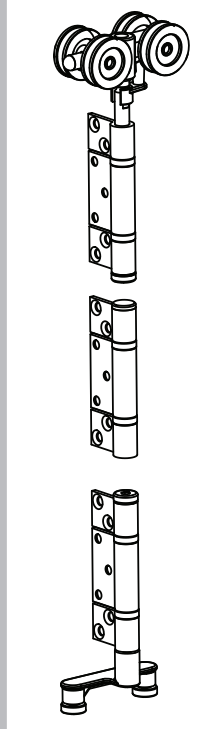
Wedge



1620M200
To suit: HV271 + HV273 + HV274

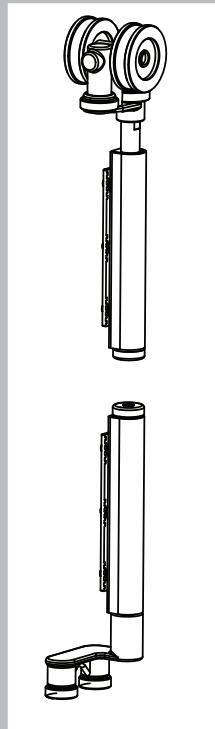
1684
HV271 + HV273 + HV274

Hanger & Pivot Sets



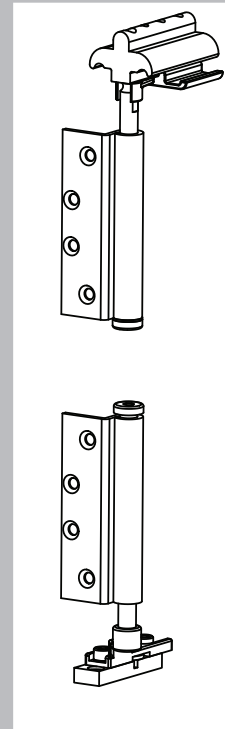
Intermediate Hanger Set

15445 HEN4-45H
15475 HEN4-75H



End Hanger Set

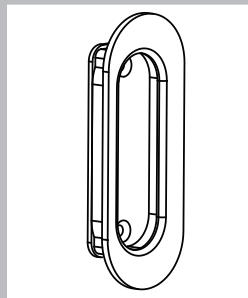
152L45 HEN2L-45H
152L75 HEN2L-75H
152R45 HEN2R-45H
152R75 HEN2R-75H



Pivot Set

15145 HEN1-45H
15175 HEN1-75H

Flush Pull



15401

Stainless Steel Flush Bolts

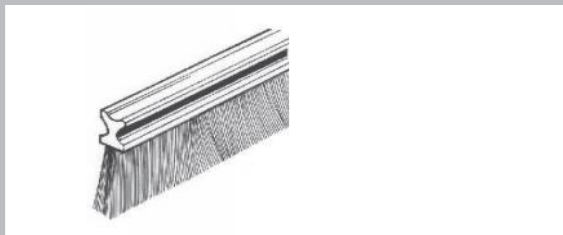
Non Locking:

15124 - 400mm
15126 - 600mm
15129 - 900mm

Locking:

15124L - 400mm
15126L - 600mm
15129L - 900mm

Fringe Pile 11mm

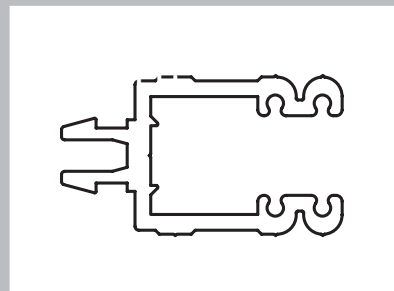


2590

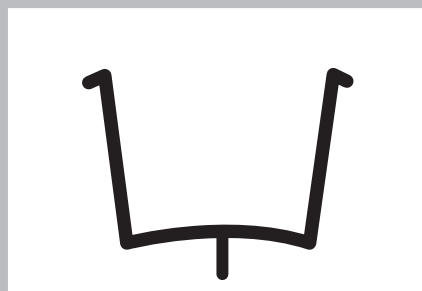
**Flush Bolt Surround
Stainless Steel**

15130

Miscellaneous



1825 Spigot

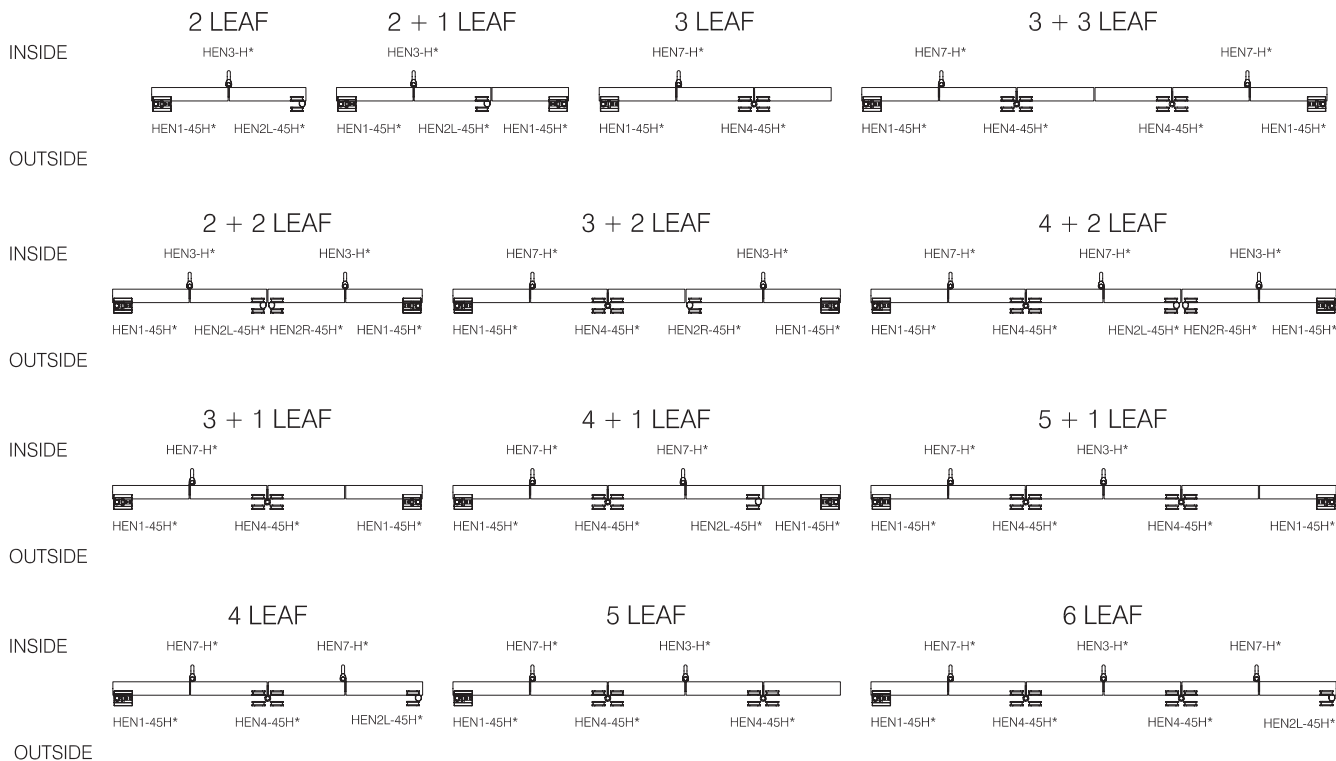


1680 Channel Polypropylene
Black Pre-Punched 6.5m

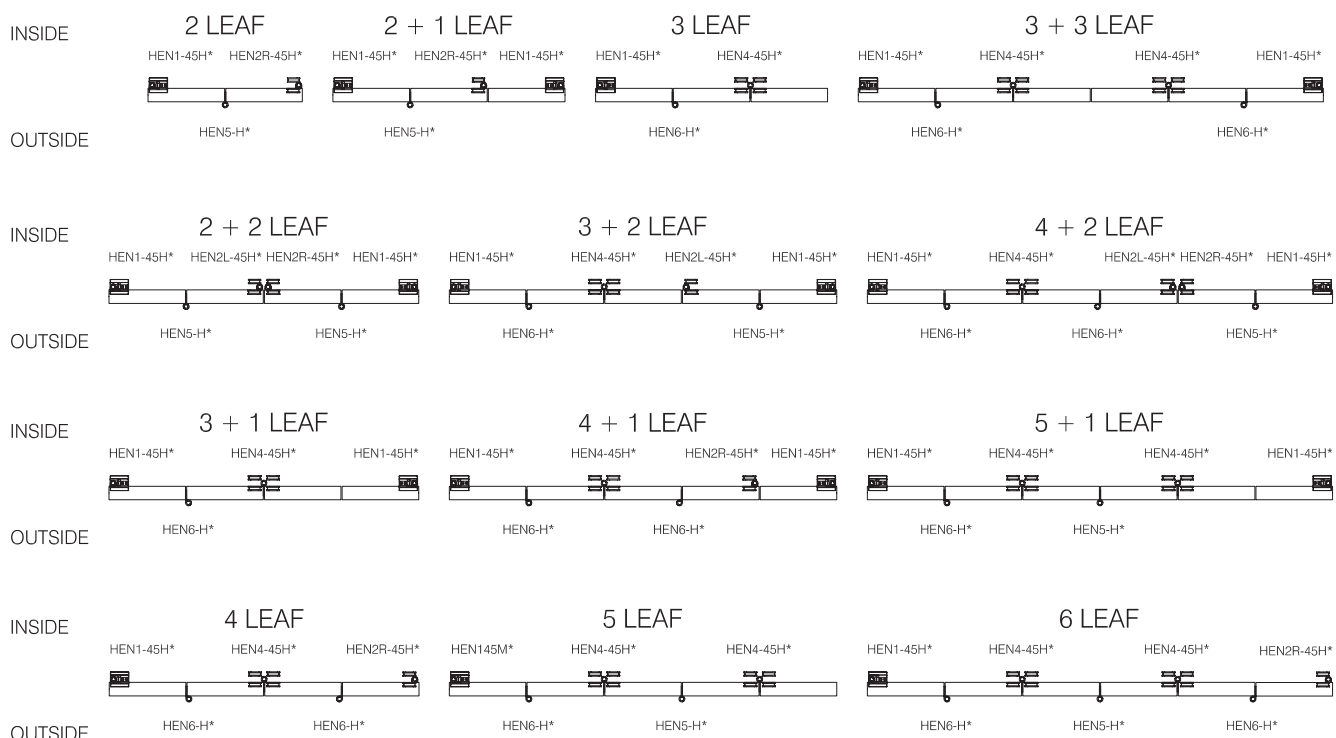
To Suit: HV004 + HV006

Exterior Folding Door Hardware Equal Size Panels - Aluminium

Outward Opening

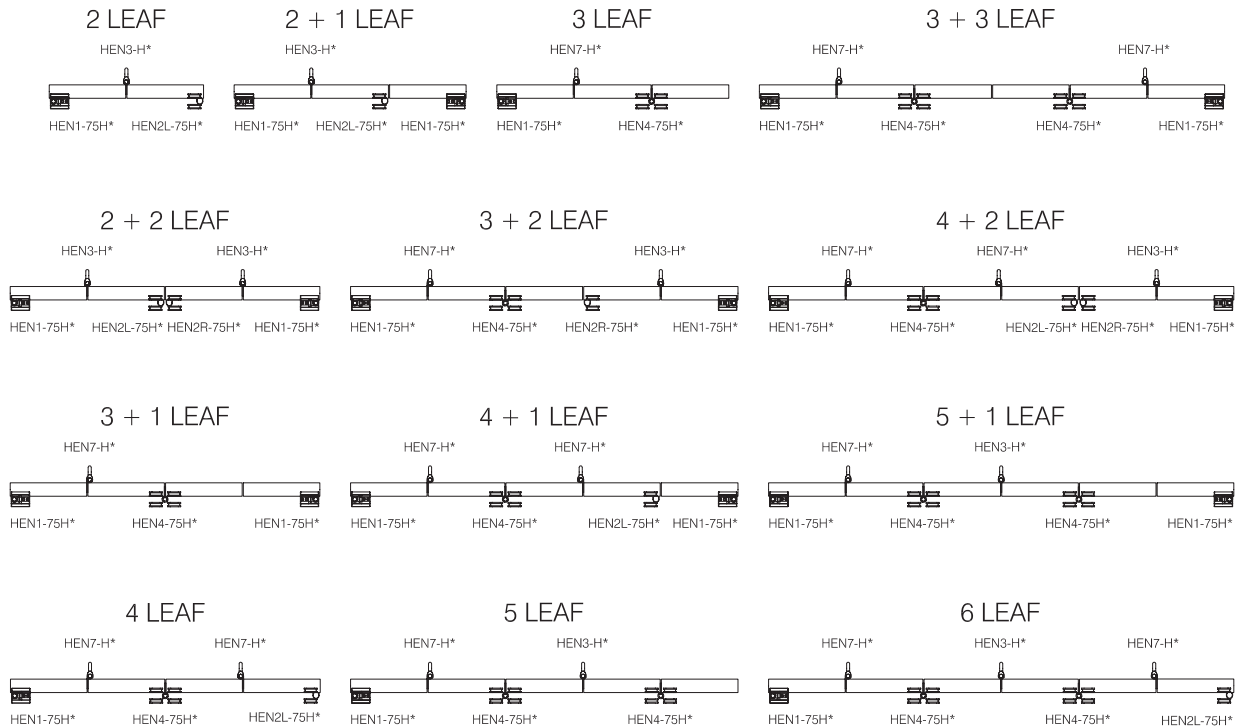


Inward Opening



Exterior Folding Door Hardware Equal Size Panels - Aluminium

Outward Opening



Inward Opening

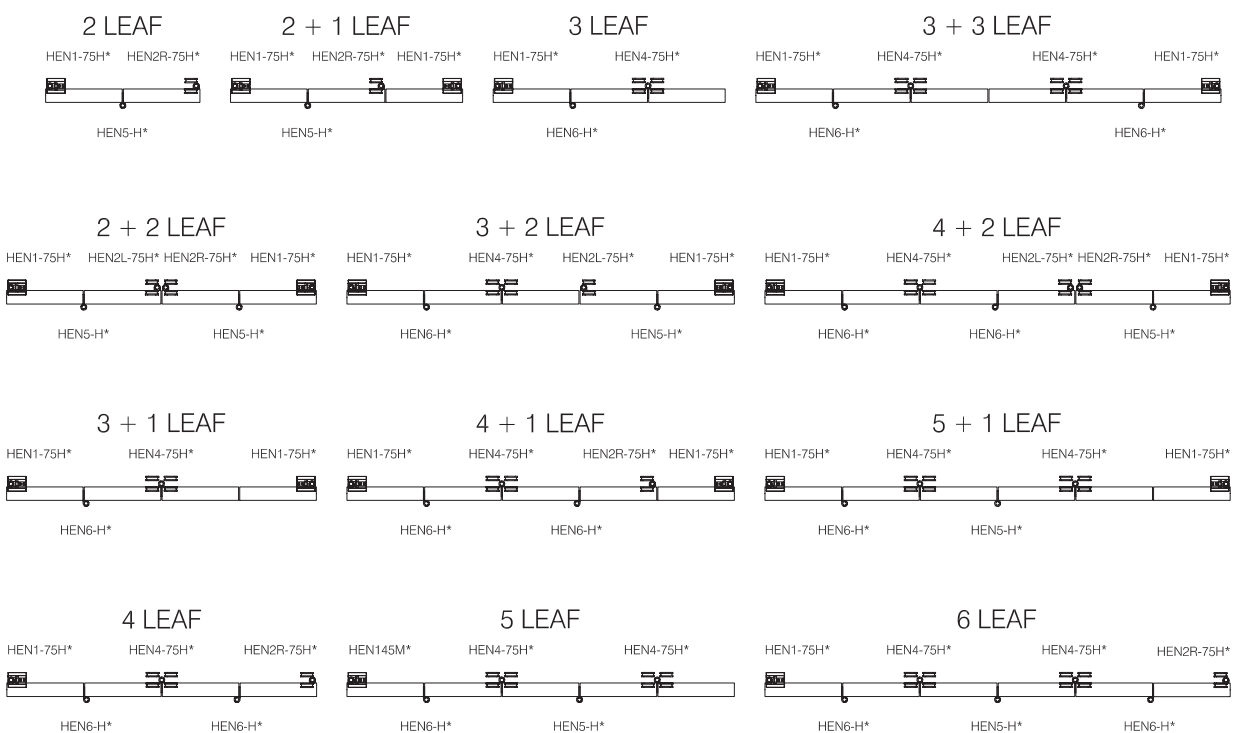
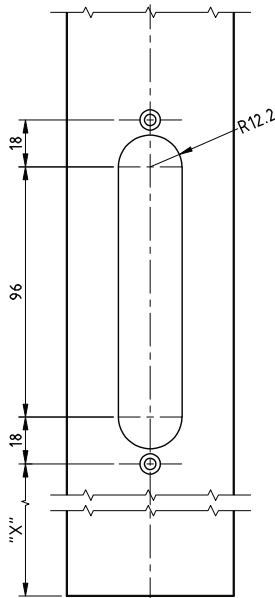


Fig A



KIT NUMBER	"X"
512SS-400	297mm
512SS-600	497mm
512SS-900	797mm

1. Cut holes in correct side of stile. (Fig A)

2. Fit rod into correct hole in shoot bolt (no lock nuts required). (Fig B)

3. Screw flush bolt to inside of stile (Fig C)

4. With knob in the retracted position, wind rod in or out until plastic tip is flush with end and near the required side of the stile. (Fig D)

Tip can be orientated either to the front or back of the door

Fig B

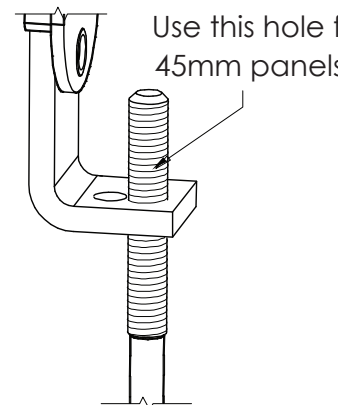


Fig D

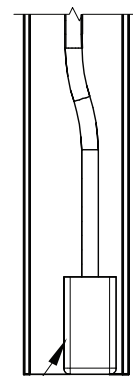
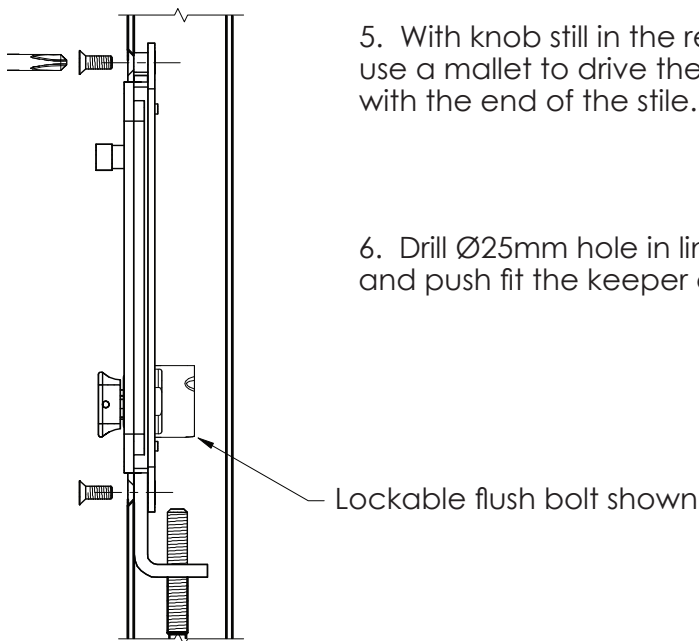


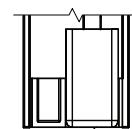
Fig C



5. With knob still in the retracted position, use a mallet to drive the stile cap flush with the end of the stile. (Fig E)

6. Drill Ø25mm hole in line with the tip and push fit the keeper cup in place.

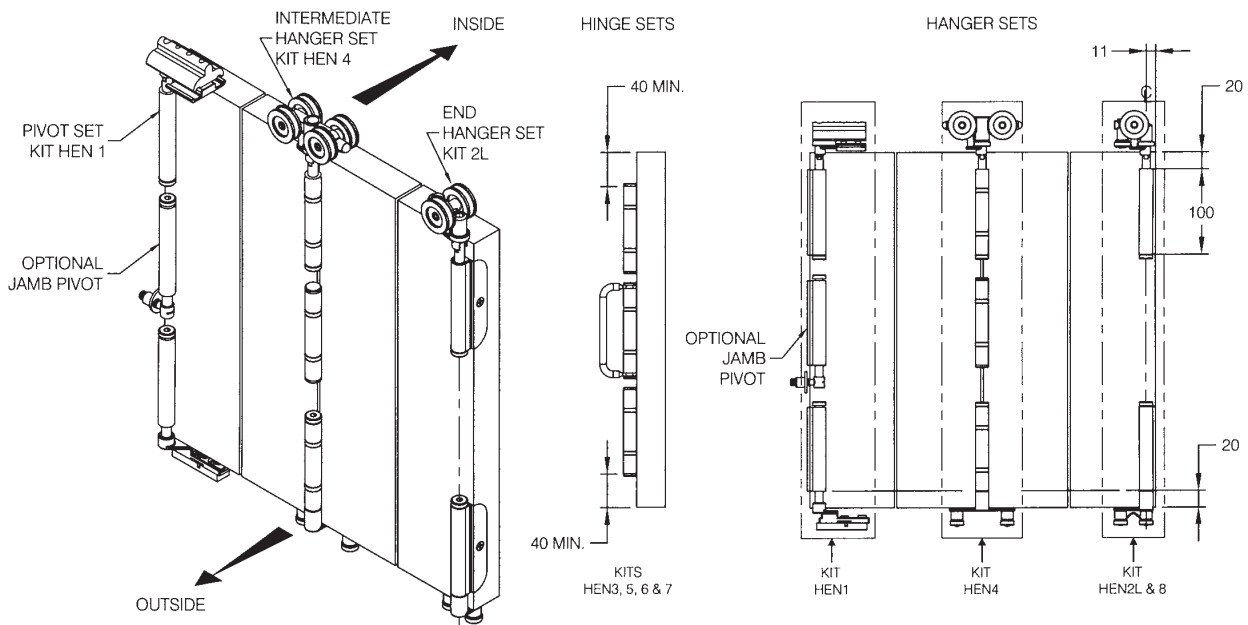
Fig E



Stile cap flush with end

DOOR HARDWARE - POSITIONING

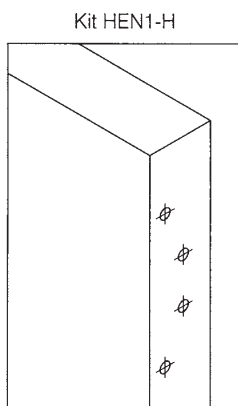
Sample shown is an outward opening, 4 leaf unit with separate access leaf.



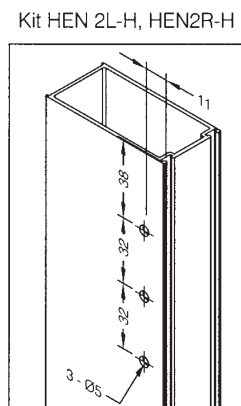
DOOR HARDWARE - LEAF PREPARATION

SQUARE EDGED PIVOT
DOOR ALUMINIUM & TIMBER

SQUARE EDGED ALUMINIUM
DOOR WITH END HANGER



No door preparation
required

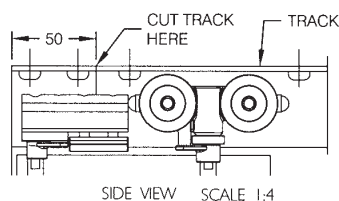


Ø5mm hole positions
in aluminium stile
(Mirror positions at other end)

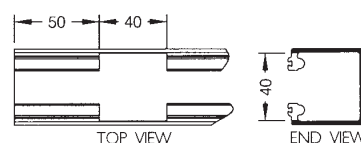
DOOR HARDWARE - PROVIDE OPENING FOR HANGER MAINTENANCE

OPTION A - Mount a removable 50mm long piece of track at the pivot end of the track.

OPTION B - Cut a 40 x 40 hole through the rails supporting the wheels, 50mm from the end of the track.

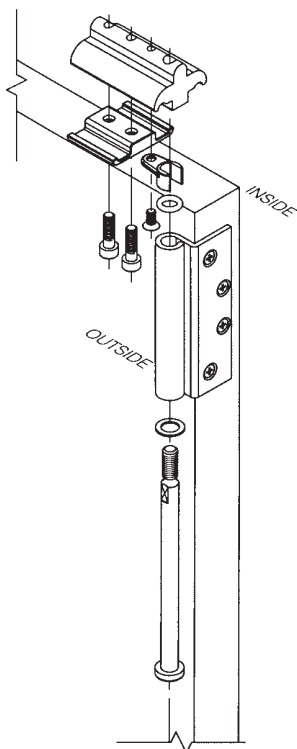


SIDE VIEW SCALE 1:4

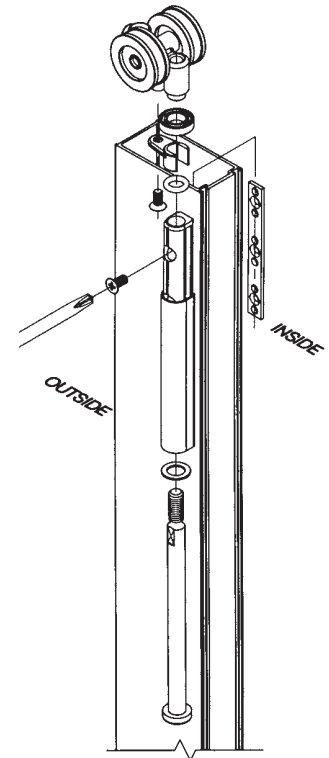


TOP VIEW SCALE 1:4
END VIEW

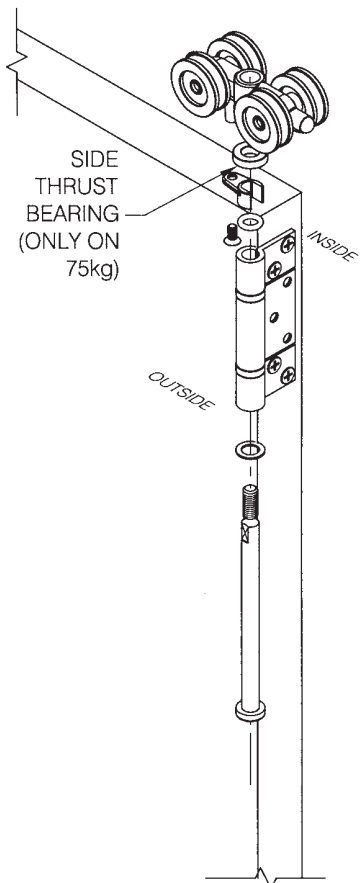
DOOR HARDWARE - ATTACHMENT



KIT HEN1-H
TIMBER & ALUMINIUM



KITS HEN2L-H, (2R-H)
ALUMINIUM

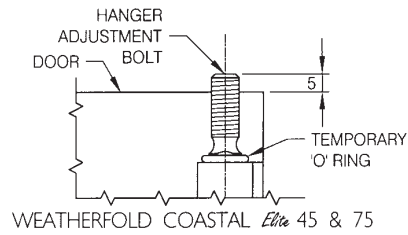


SIDE
THRUST
BEARING
(ONLY ON
75kg)

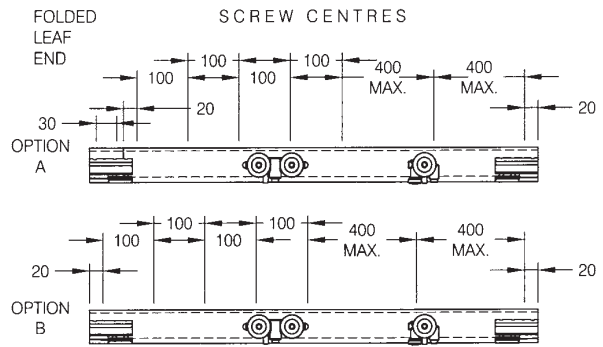
KIT HEN4
TIMBER & ALUMINIUM

ASSEMBLY - OUTWARD OPENING

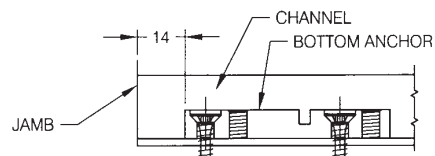
A. Remove all the wheel assemblies and Pivot Block from the Hanger and Pivot Bolts. Leave the Temporary 'O' rings to retain the Hanger Bolts.



B. Slide the wheel assemblies and Pivot Block into the track in the correct order and orientation and secure the track in position (See Page 2).

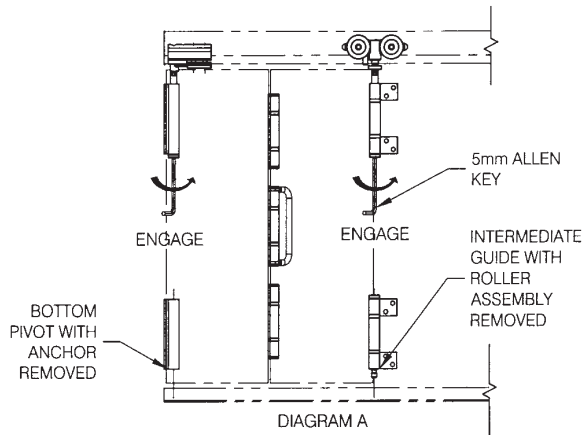


C. To obtain the recommended gap of 6mm between the jamb and door. Screw the bottom anchor of the adjustable bottom pivot to the bottom of the channel 14mm from the jamb. Please note, the screw nearest the end of the bottom anchor is closest to the jamb. Reassemble the bottom pivot, leaving the two clamping screws loose.



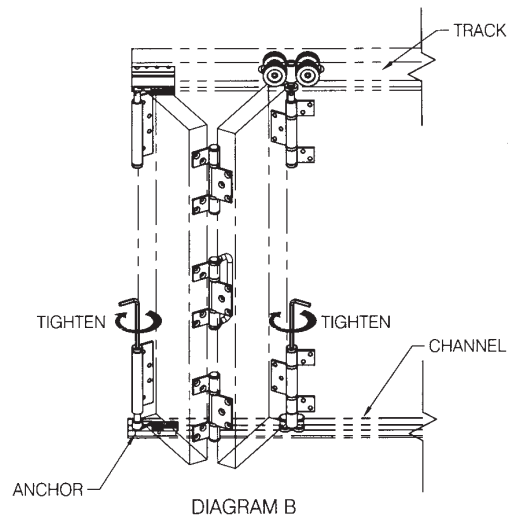
D. To ease installation, assemble leaves in pairs using Pivot leaves, Hinges, Hangers and Guide components.

E. Remove the Bottom Pivot Bolt, and Guide Roller Assembly. (see Diagram A)



G. Reassemble Guide Assembly and tighten Bolts. Do not at this stage replace the Bottom Pivot Bolt.

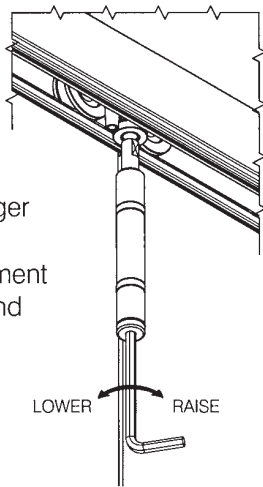
H. Lift the next pair of leaves into position and support their weight by screwing the Hanger bolt into the Wheel Assembly and attaching the second and third leaves together.



I. Continue this procedure until all leaves are fitted.

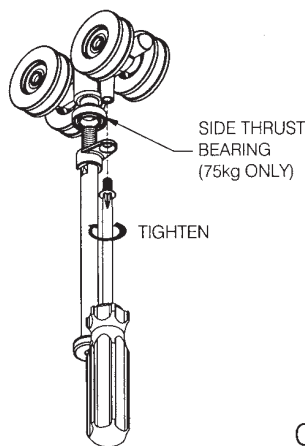
ADJUSTMENT

Intermediate Hanger Illustrated. Same method of adjustment applies to Pivot and End Hanger.



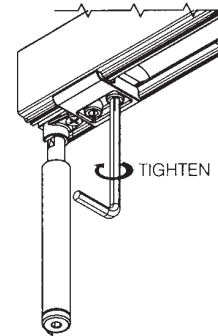
HEIGHT ADJUSTMENT

A. Close leaves and adjust the door height to achieve an equal gap between the top of the leaves and the track (a 7mm gap is recommended).



LOCKING

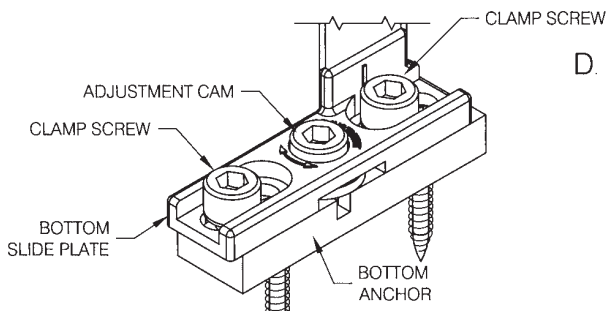
B. Once adjustment is complete, slide the Locking Clamp into position and secure with the M5 screw provided.



LOCKING

C. With the unit still in the closed position, slide the set of leaves towards the jamb to achieve the desired gap between the jamb and the Pivot leaf.

Secure the Top Pivot Block by tightening the two Locking Screws.



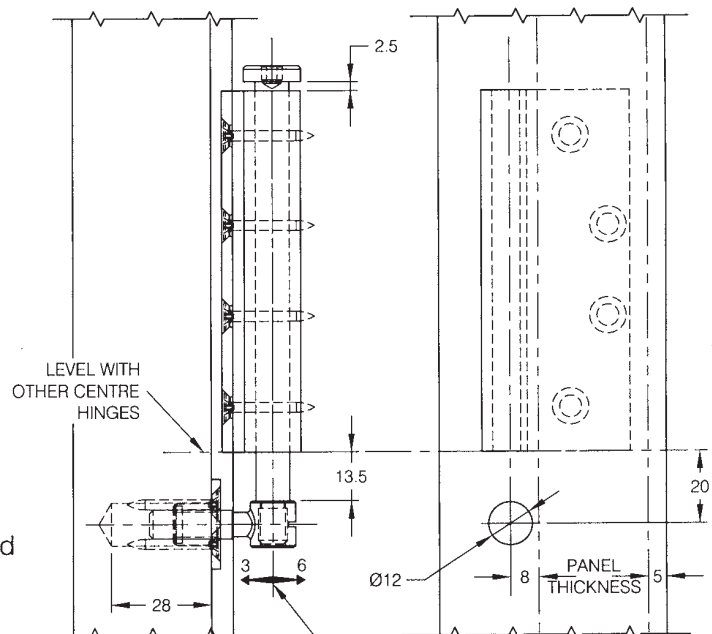
D. Replace the Bottom Pivot Bolt and tighten to Bottom Slide Plate. Mark the position of the Bottom Slide Plate.

Fold the leaves and adjust the position of the Bottom Slide Plate to the mark using the adjustment cam and Allen key provided.

Tighten the clamping screws.

OPTIONAL JAMB PIVOT

- Remove the hinge bolt and attach the hinge to the panel, level with the other centre hinges.
- Drill a $\varnothing 12$ hole 28 deep into the jamb, 20 below the lower edge of the hinge and 8mm from the front surface of the door.
- Screw the anchor plate to the jamb and adjust the jamb pivot bolt so that it aligns with the hinge centre line.
- Replace the hinge bolt and tighten firmly using the Allen key supplied. Check that there is clearance between the bolt head and hinge to allow the panel to adjust automatically as required.



CARE AND MAINTENANCE

See Care and Maintenance label.

Aluminium Allowance:

Height Allowance:

- Head allowance = 73.5mm (HV001 or HV009)
- Sill allowance = 28.5mm (HV007 or TJ359)
- Subsill allowance = 12mm (HV007 or TJ359)
- Top of door panel to head allowance = 7mm
- Bottom of door panel to sill or channel allowance = 9mm

Width Allowance:

- Jamb allowance per jamb = 44.5mm
- Jamb to door panel allowance = 7mm
- Door panel to door panel allowance = 4mm

Please note:

When calculating the number of door panel to door panel allowances, minus one panel from the overall configuration eg. 3 door panel configuration = 2 x 4mm allowance, 4 door panel configuration = 3 x 4mm allowance etc.

When door configurations are in even sets (eg 2L2R) a further 3mm allowance needs to be added to the overall clearance.

Glass Allowance:

- Height equals- Overall door panel height (mm) minus 212 (using HV273 door rail)
- Width equals - Overall door panel width (mm) minus 116mm (using HV271 door stile)

Almet	Serviceability= S-1/180	Section HV271						
	Serviceability= S-1/250	Panel Width in mm						
Height (mm)	Ultimate	400	500	600	700	800	900	1000
1800	S-1/180	4248	3437	2904	2531	2257	2051	1892
	S-1/250	3059	2475	2091	1822	1625	1477	1362
	U	9681	7818	6592	5730	5096	4616	4245
1900	S-1/180	3605	2913	2458	2138	1903	1725	1587
	S-1/250	2595	2097	1770	1539	1370	1242	1143
	U	8674	6998	5893	5115	4541	4105	3766
2000	S-1/180	3085	2491	2099	1823	1620	1466	1346
	S-1/250	2221	1793	1511	1313	1166	1055	969
	U	7817	6301	5301	4595	4073	3676	3365
2100	S-1/180	2661	2146	1807	1568	1391	1256	1151
	S-1/250	1916	1545	1301	1129	1001	904	829
	U	7081	5704	4794	4151	3675	3312	3027
2200	S-1/180	2311	1863	1567	1358	1203	1085	993
	S-1/250	1664	1341	1128	978	866	781	715
	U	6445	5188	4357	3769	3334	3000	2738
2300	S-1/180	2021	1628	1368	1184	1048	944	862
	S-1/250	1455	1172	985	853	755	680	621
	U	5891	4740	3978	3439	3038	2731	2490
2400	S-1/180	1777	1430	1201	1039	919	827	754
	S-1/250	1279	1030	865	748	662	595	543
	U	5406	4348	3647	3150	2781	2497	2274
2500	S-1/180	1570	1264	1061	917	810	728	664
	S-1/250	1131	910	764	660	583	524	478
	U	4978	4002	3355	2896	2555	2293	2086
2600	S-1/180	1395	1122	941	813	718	645	587
	S-1/250	1004	808	678	585	517	464	423
	U	4600	3696	3097	2672	2356	2113	1920
2700	S-1/180	1245	1001	839	724	639	574	522
	S-1/250	896	721	604	522	460	413	376
	U	4263	3425	2868	2474	2180	1953	1774
2800	S-1/180	1116	897	751	648	572	513	
	S-1/250	802	646	541	467	412	369	
	U	3962	3182	2664	2296	2022	1811	
2900	S-1/180	1003	806	675	583	513		
	S-1/250	723	580	486	419	370		
	U	3692	2964	2481	2138	1882		
3000	S-1/180	906	728	609	525			
	S-1/250	652	524	439	378			
	U	3440	2768	2316	1995			

General

- A gentle wash with a soft non-abrasive brush or cloth using a mild detergent followed by a fresh water rinse will maintain the long term performance of the product.
- If paints splashes, sealants or other residue need to be removed, then Methylated Spirits or White Spirits can be applied with a soft cloth and gentle wiping only.
- In rural or normal urban environments cleaning should occur at least every 12 months.
- In areas of high pollution, industrial areas or coastal areas cleaning should occur at least every 3 months.
- In hazardous locations such as beachfronts, severe marine environments or areas of high industrial pollution, the frequency of cleaning should be increased to monthly.

Tracks

Keep tracks free from obstruction and excessive dirt or water.

Hangers & Pivots

All hangers and pivots are fitted with lubricated ball-bearings or plain bearings, requiring no greasing. If doors 'settle' and door clearance is reduced causing friction, raise the door by the 'hanger adjustment nuts'.

Guides

Guide rollers and spindles are to be oiled and greased with a good quality automotive grease every six months.

Hinges

Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess. Repeat at intervals no greater than 3 months.

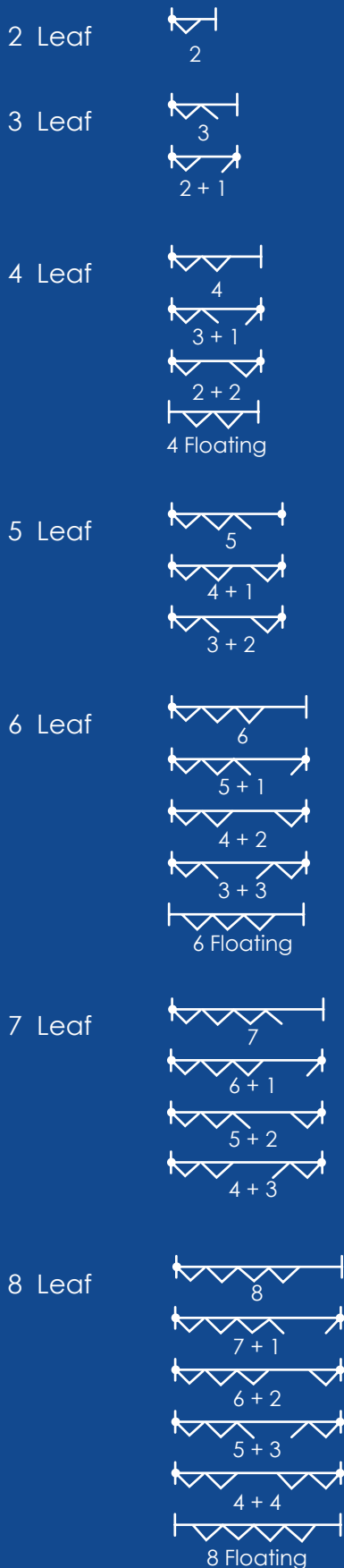
Flush Bolts

Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess. Repeat at intervals no greater than 3 months.

Apply a light application of lubricant to internal mechanisms and bolt using a suitable nozzle -spray.

Exterior Folding Door System

Door Configurations



High View Bi Fold Door Fabricator's Manual

FEATURES AND BENEFITS:

- Range of various panel sizes, catering for panel weights of up to 75kg.
- 25 customisable door configurations
- Can be configured to suit both inward and outward opening doors
- Easy care aluminium framing available in an extensive range of finishes
- Tested and approved by an independent NATA accredited laboratory

HARDWARE COMPONENTS:

- Hardware components are manufactured from a combination 316 marine grade and 304 architectural grade stainless steel for high corrosion resistance
- Hardware is available in a satin stainless steel finish to complement existing interior fixtures.
- Precision bearings used in hangers to reduce rolling resistance and give smooth operation

CARE AND MAINTENANCE:

- We recommend regular care and maintenance of your High View folding door system to maintain trouble free operation. Glass, frames and hardware should be regularly cleaned using a mild soap and water combination. Hardware should be lubricated every 12 months to maintain smooth operation.