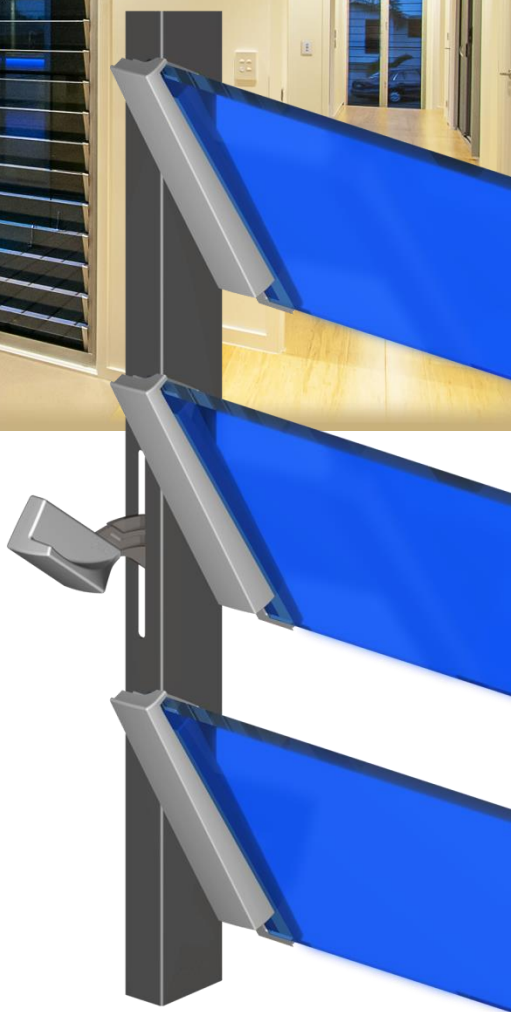


*fresAir*TM



Toren Louvre Window

- Straight-edge design and clean define looks.
- UV and light stabilised polypropylene clips in standard colours and option to colour match.
- Passed 300 pascals of water performance test and 20,000 cyclic locking test.
- Capable of operating up to 12 blades with one single handle controls; subject to conditions.
- Available in 152mm standard and 102mm refine.



Height Table

152 mm Blade Louvre Height

No. of Blades	Height (mm) No Weatherstrip	Height (mm) with Weatherstrip
2	304.8	324.8
3	444.5	464.5
4	584.2	604.2
5	723.9	743.9
6	863.6	883.6
7	1003.3	1023.3
8	1143.0	1163.0
9	1282.7	1302.7
10	1422.4	1442.4
11	1562.1	1582.1
12	1701.8	1721.8
13	1841.5	1861.5
14	1981.2	2001.2
15	2120.9	2140.9
16	2260.6	2280.6
17	2400.3	2420.3
18	2540.0	2560.0
19	2679.7	2699.7
20	2819.4	2839.4
21	2959.1	2979.1



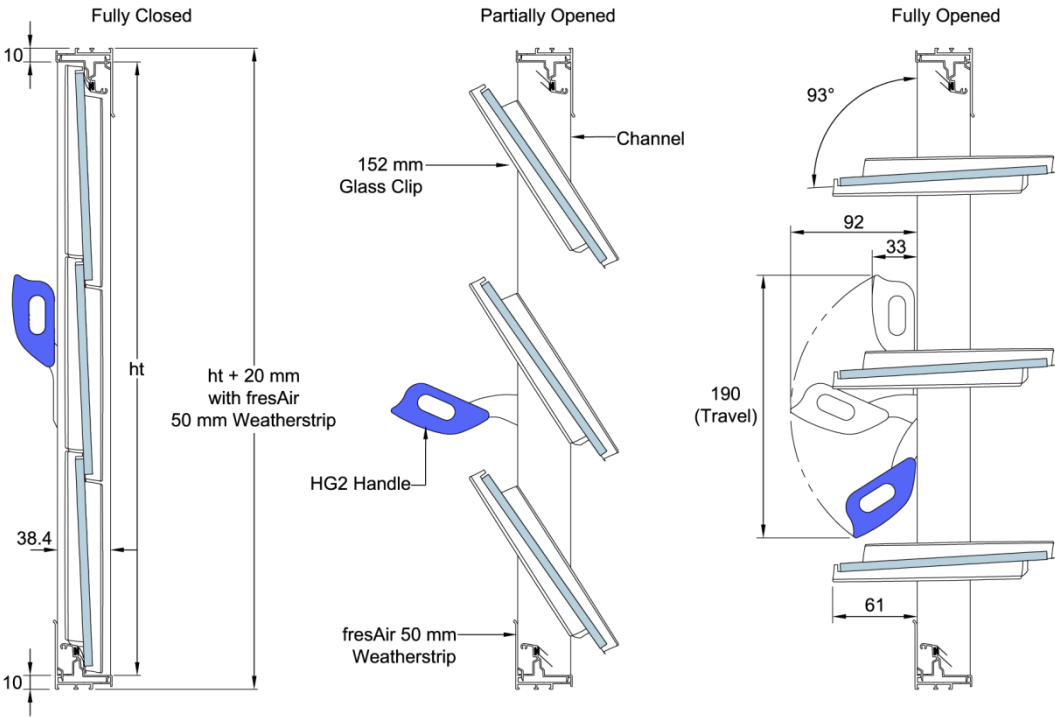
152mm Standard

Standard louvre height (ht)
for 152 mm blades can be computed as follows:

$$ht=(nb \times 139.7) + 25.4$$

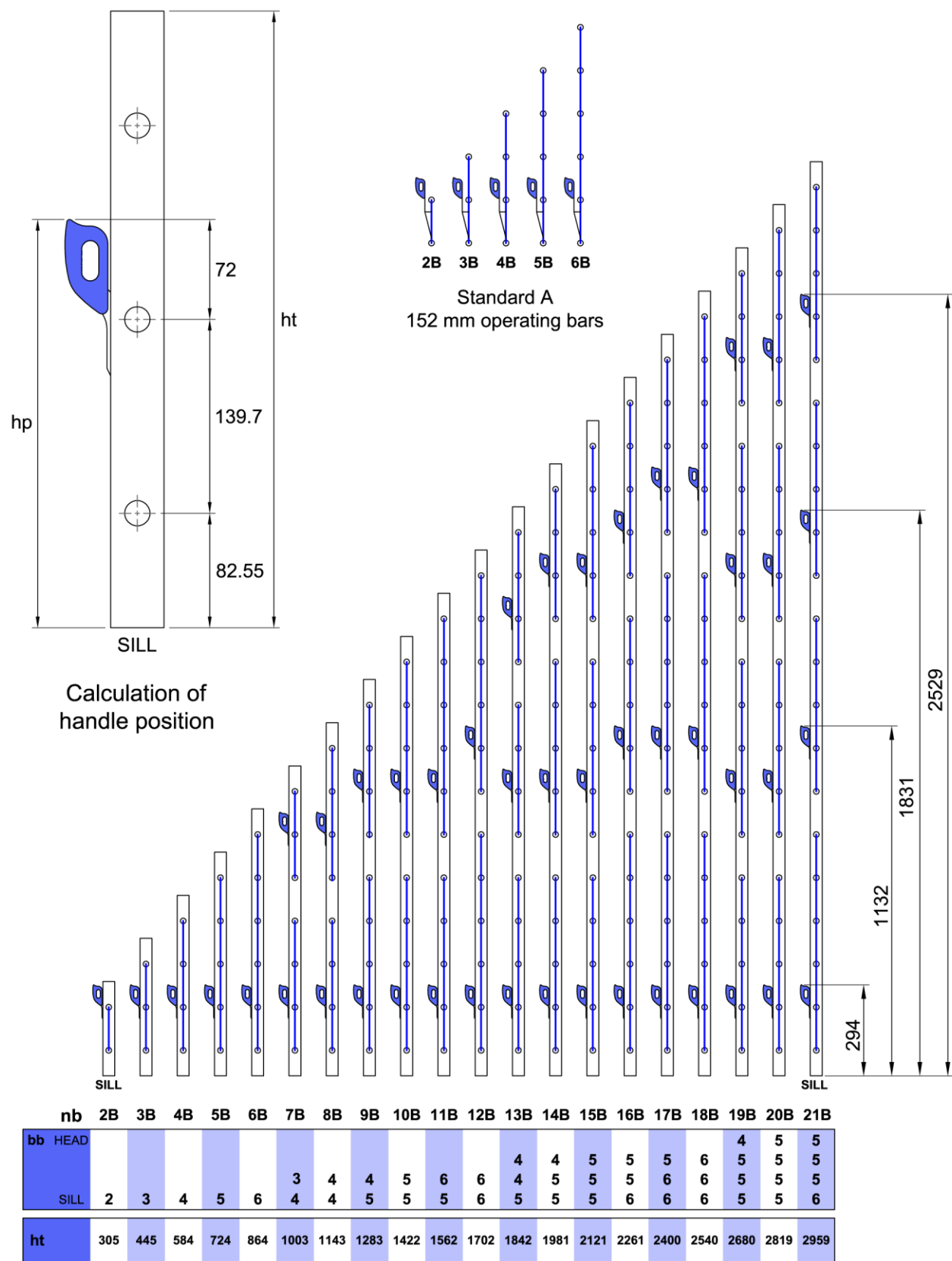
where: ht - height of frame nb - number of blades

152 mm Louvre Gallery



152 mm Louvre Handle Positions And Controls

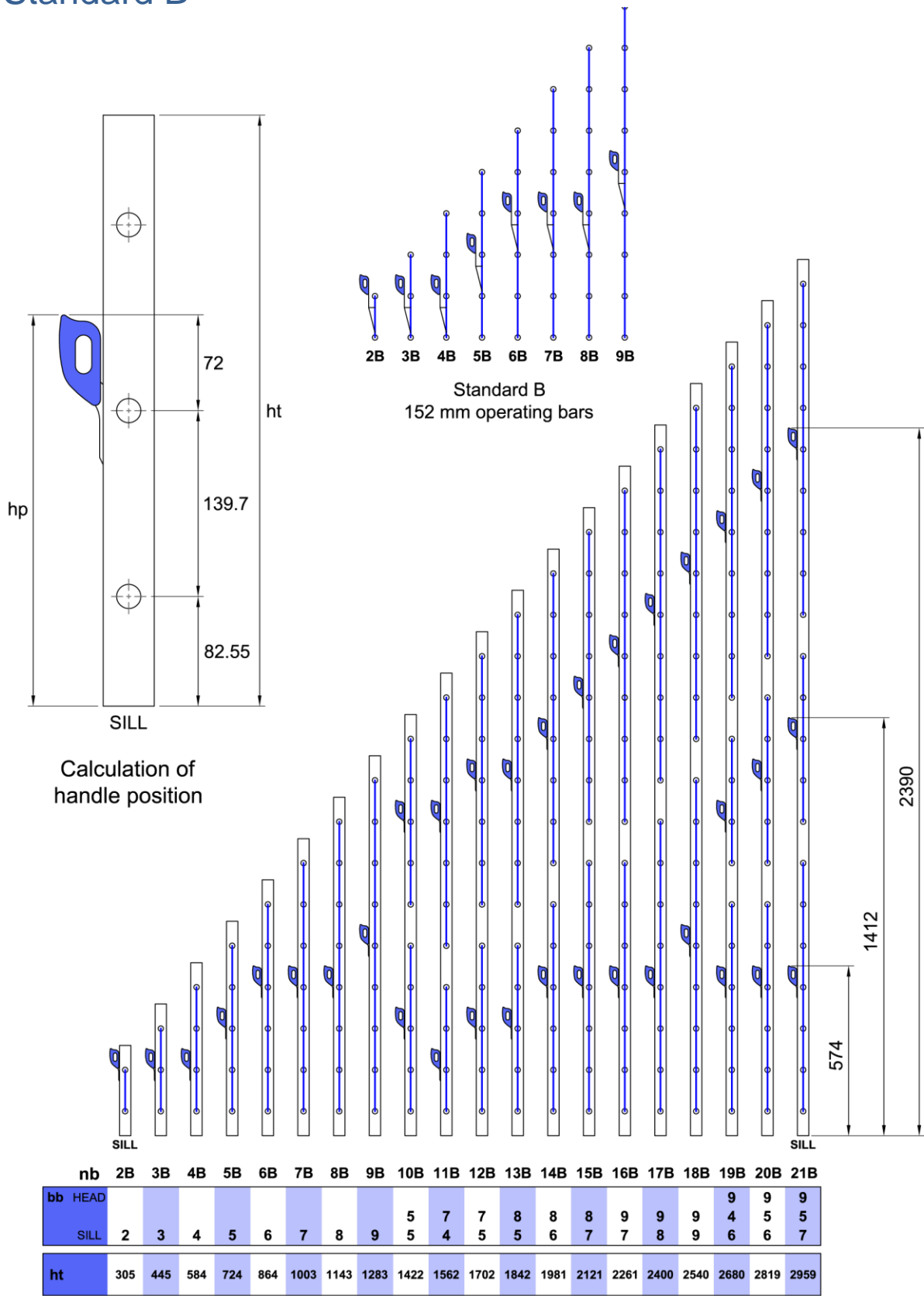
Standard A



Legend: **nb** - number of blades **hp** - handle position **bb** - banks of blades **ht** - height of frame

152 mm Louvre Handle Positions And Controls

Standard B



Legend: **nb** - number of blades **hp** - handle position **bb** - banks of blades **ht** - height of frame

Height Tables

102 mm Blade Louvre Height

No. of Blades	Height (mm) No Weatherstrip	Height (mm) with Weatherstrip
3	292.1	312.1
4	381.0	401.0
5	469.9	489.9
6	558.8	578.8
7	647.7	667.7
8	736.6	756.6
9	825.5	845.5
10	914.4	934.4
11	1003.3	1023.3
12	1092.2	1112.2
13	1181.1	1201.1
14	1270.0	1290.0
15	1358.9	1378.9
16	1447.8	1467.8
17	1536.7	1556.7
18	1625.6	1645.6
19	1714.5	1734.5
20	1803.4	1823.4
21	1892.3	1912.3

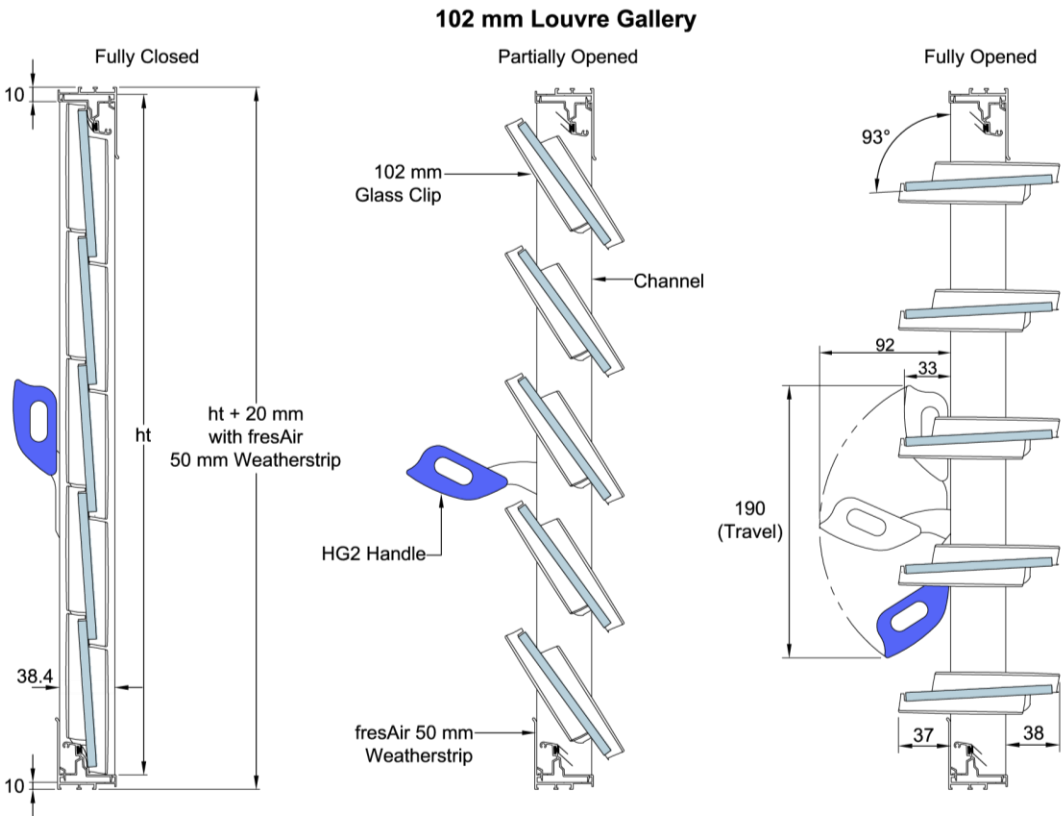


102mm Refine

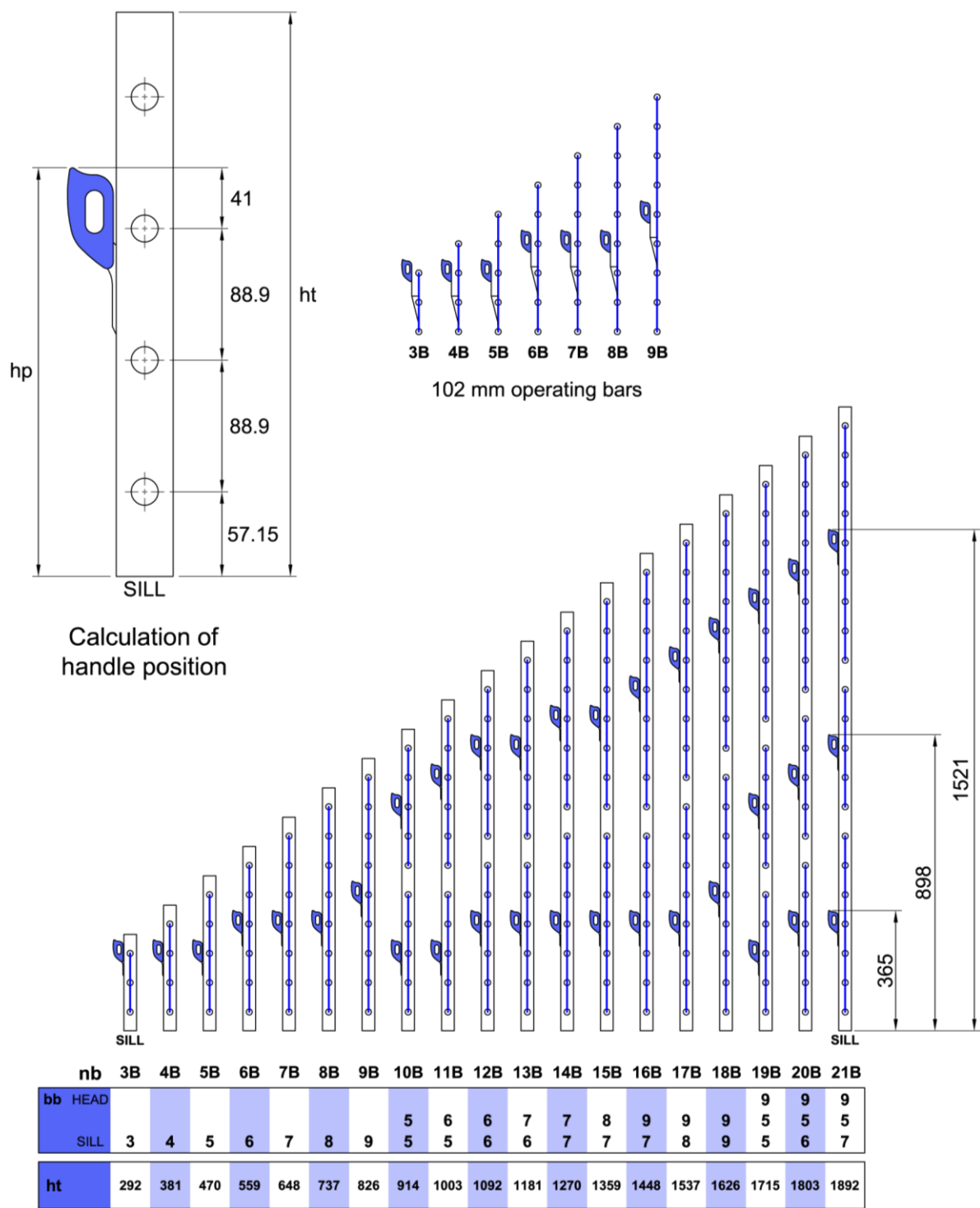
Standard louvre height (ht)
for 102 mm blades can be computed as follows:

$$ht=(nb \times 88.9) + 25.4$$

where: ht - height of frame nb - number of blades



102 mm Louvre Handle Positions And Controls

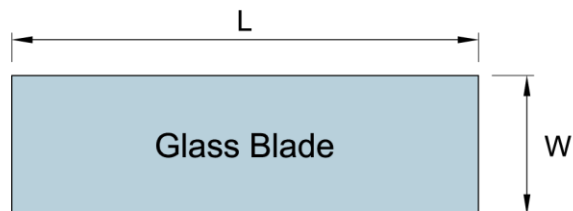


Legend: nb - number of blades hp - handle position bb - banks of blades ht - height of frame

Glass Blade Calculations

Blade Width (W)

152 mm Clips : 150 mm - 151 mm (MAX)
102 mm Clips : 101 mm - 102 mm (MAX)

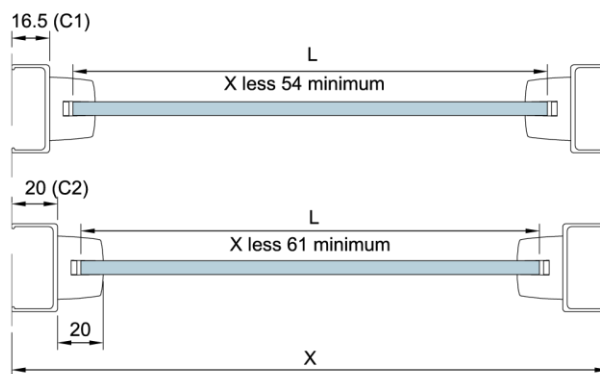


Blade Length (L)

C1 Channel (16.5 mm height)
 $L = X \text{ less } 54 \text{ mm}$

C2 Channel (20 mm height)
 $L = X \text{ less } 61 \text{ mm}$

where: L = Glass Blade Length
 X = Jamb to Jamb



Caution : Allowable Tolerance: $\pm 0.7 \text{ mm}$, oversized blades will bow the clips and result in stiff operations.

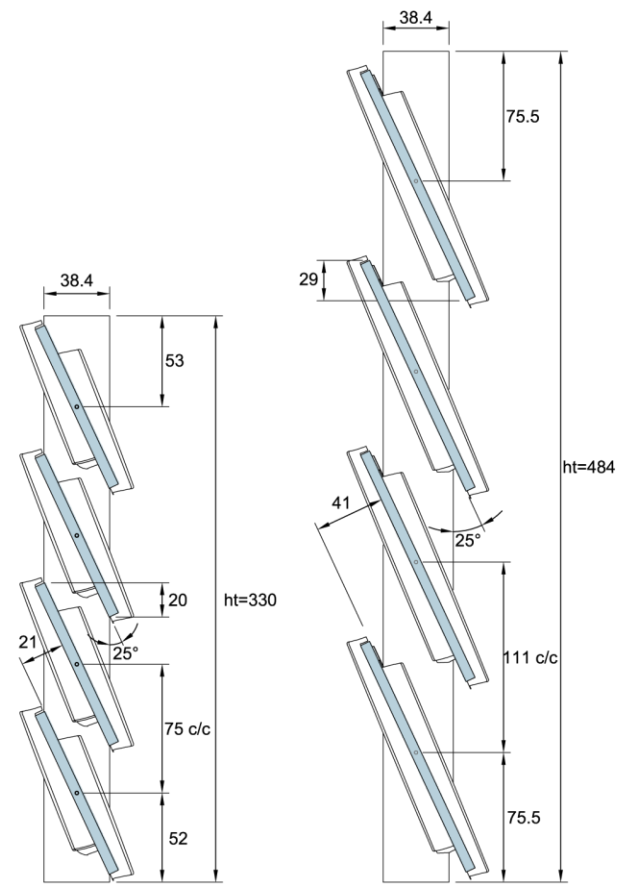


Photo by courtesy of Bradhams Windows and Doors Pty Ltd

Fixed Clip Louvres

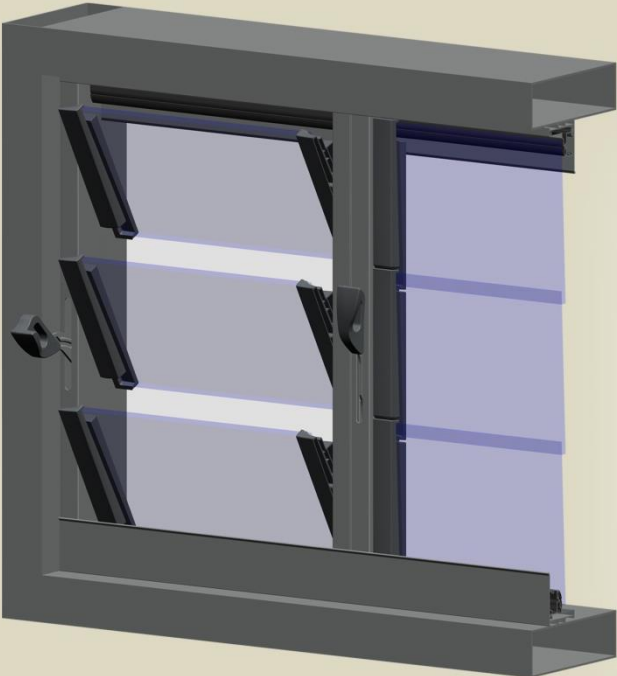
Height Table for Fixed Clips

No. of Blades	152 mm	102mm
2	262.1	-
3	373.1	255
4	484.1	330
5	595.1	405
6	706.1	480
7	817.1	555
8	928.1	630
9	1039.1	705
10	1150.1	780
11	1261.1	855
12	1372.1	930
13	1483.1	1005
14	1594.1	1080
15	1705.1	1155
16	1816.1	1230
17	1927.1	1305
18	2038.1	1380
19	2149.1	1455
20	2260.1	1530
21	2371.1	1605



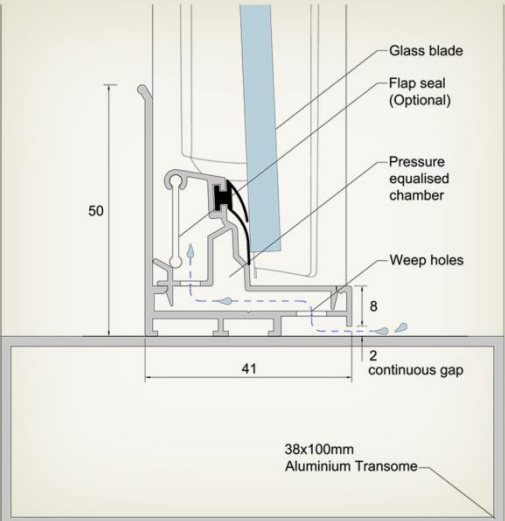
Fixed Clip 102 mm
for 6 mm glass

Fixed Clip 152 mm
for 6 mm glass



fresAir™ 50mm Weatherstrip

Pressure equalised chamber resists water penetration and at the same time facilitates easy drainage



*fresAir*TM

Due to the company's policy of continuous product development and enhancement, the specifications and details contained in this brochure are subject to alteration without prior notice.

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