

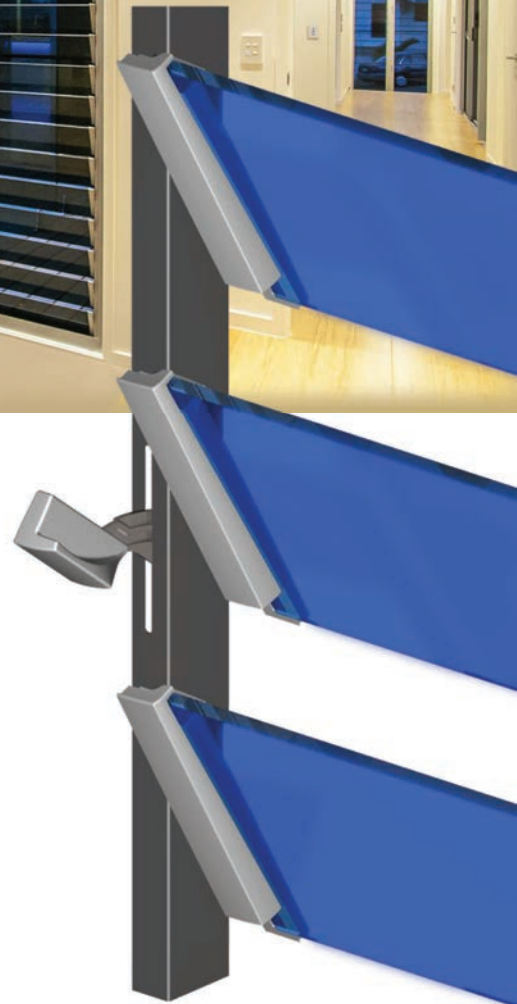
fresAir[™]



fresh cool ventilation

Toren Louvre Window

- Straight-Edge Design and Clean Defined Looks
- UV and Light Stabilised Polypropylene Clips in Standard Colours
- Passed 300 Pascals of Water Performance Test and 20,000 Cyclic Locking Test
- Available in 152mm and 102mm Wide Glass Blades



Height Table

Louvres with 152 Blade Height

NO. OF BLADES	HEIGHT (MM)	CRL CAT. NO. NATURAL ANODISED	CRL CAT. NO. BLACK	CRL CAT. NO. WHITE
2	305	L8002NA	L8002BL	L8002WH
3	445	L8003NA	L8003BL	L8003WH
4	584	L8004NA	L8004BL	L8004WH
5	724	L8005NA	L8005BL	L8005WH
6	864	L8006NA	L8006BL	L8006WH
7	1003	L8007NA	L8007BL	L8007WH
8	1143	L8008NA	L8008BL	L8008WH
9	1283	L8009NA	L8009BL	L8009WH
10	1422	L8010NA	L8010BL	L8010WH
11	1562	L8011NA	L8011BL	L8011WH
12	1702	L8012NA	L8012BL	L8012WH
13	1842	L8013NA	L8013BL	L8013WH
14	1981	L8014NA	L8014BL	L8014WH
15	2121	L8015NA	L8015BL	L8015WH
16	2261	L8016NA	L8016BL	L8016WH
17	2400	L8017NA	L8017BL	L8017WH
18	2540	L8018NA	L8018BL	L8018WH
19	2680	L8019NA	L8019BL	L8019WH
20	2819	L8020NA	L8020BL	L8020WH
21	2959	L8021NA	L8021BL	L8021WH



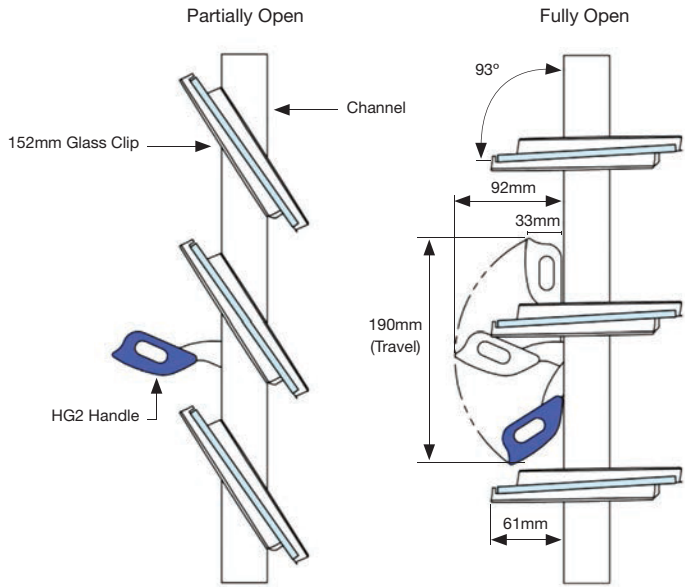
152mm Blades

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

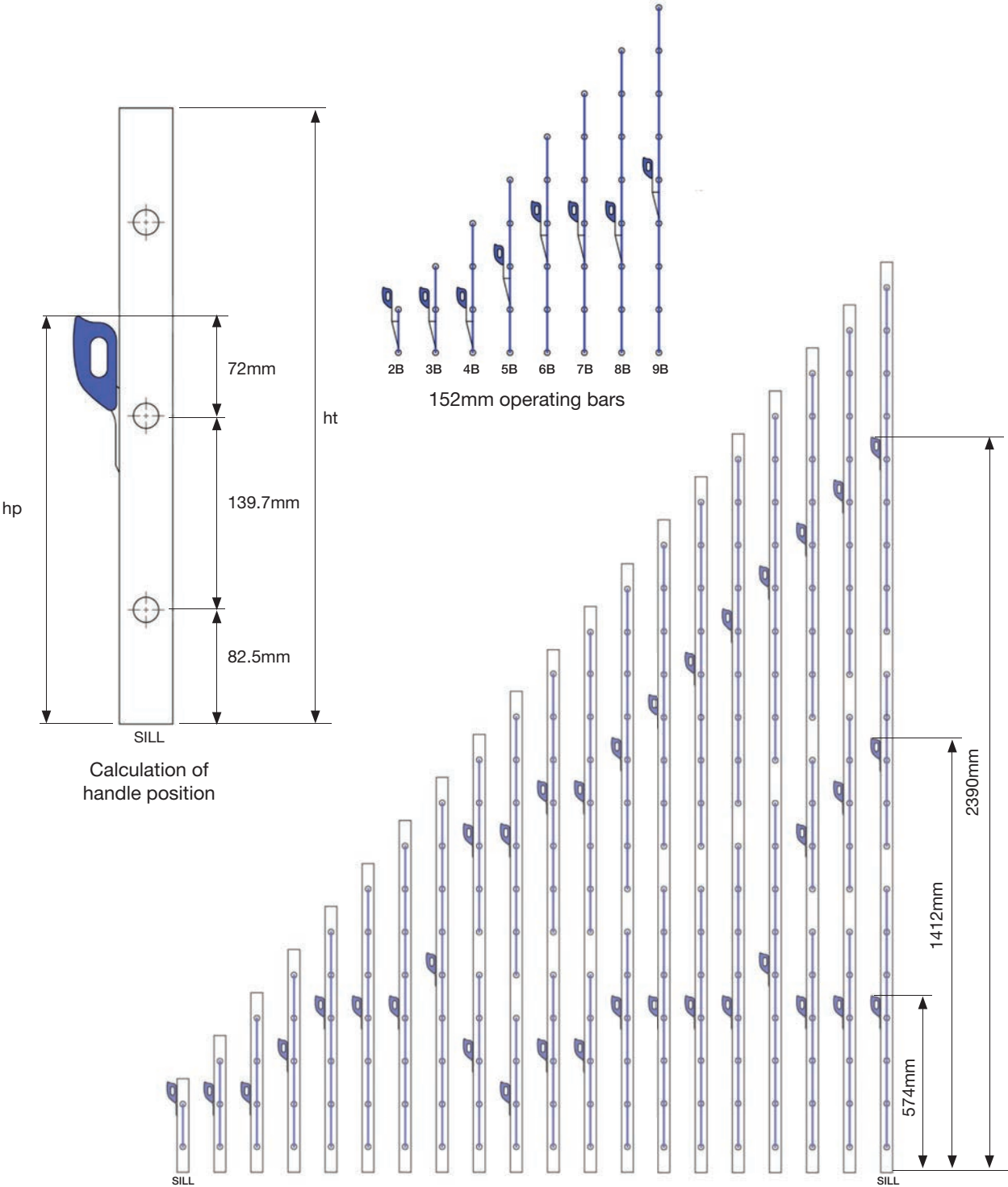
$$ht=(nb \times 139.7) + 25.4$$

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

152mm Louvre Gallery



152mm Louvre Handle Positions and Controls



nb	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	13B	14B	15B	16B	17B	18B	19B	20B	21B
bb HEAD																		9	9	9
SILL	2	3	4	5	6	7	8	9	5	7	7	8	8	8	9	9	9	4	5	5
ht (mm)	305	445	584	724	864	1003	1143	1283	1422	1562	1702	1842	1981	2121	2261	2400	2540	2680	2819	2959

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

Height Table

Louvres with 102 Blade Height

NO. OF BLADES	HEIGHT (MM)	CRL CAT. NO. NATURAL ANODISED	CRL CAT. NO. BLACK	CRL CAT. NO. WHITE
3	292	L8203NA	L8203BL	L8203WH
4	381	L8204NA	L8204BL	L8204WH
5	470	L8205NA	L8205BL	L8205WH
6	559	L8206NA	L8206BL	L8206WH
7	648	L8207NA	L8207BL	L8207WH
8	737	L8208NA	L8208BL	L8208WH
9	826	L8209NA	L8209BL	L8209WH
10	914	L8210NA	L8210BL	L8210WH
11	1003	L8211NA	L8211BL	L8211WH
12	1092	L8212NA	L8212BL	L8212WH
13	1181	L8213NA	L8213BL	L8213WH
14	1270	L8214NA	L8214BL	L8214WH
15	1359	L8215NA	L8215BL	L8215WH
16	1448	L8216NA	L8216BL	L8216WH
17	1537	L8217NA	L8217BL	L8217WH
18	1626	L8218NA	L8218BL	L8218WH
19	1715	L8219NA	L8219BL	L8219WH
20	1803	L8220NA	L8220BL	L8220WH
21	1892	L8221NA	L8221BL	L8221WH

• Also Available in 22 to 30 Blade Sets on Special Order

102mm Louvre Gallery

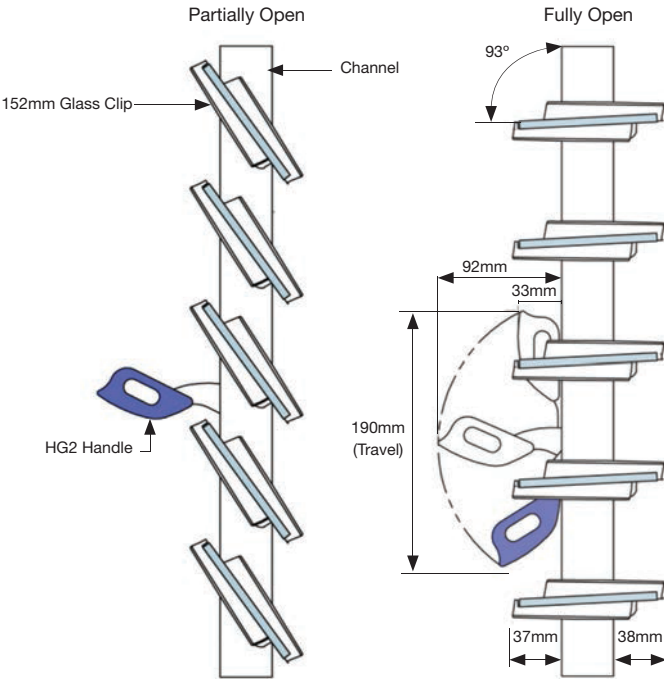


102mm Blades

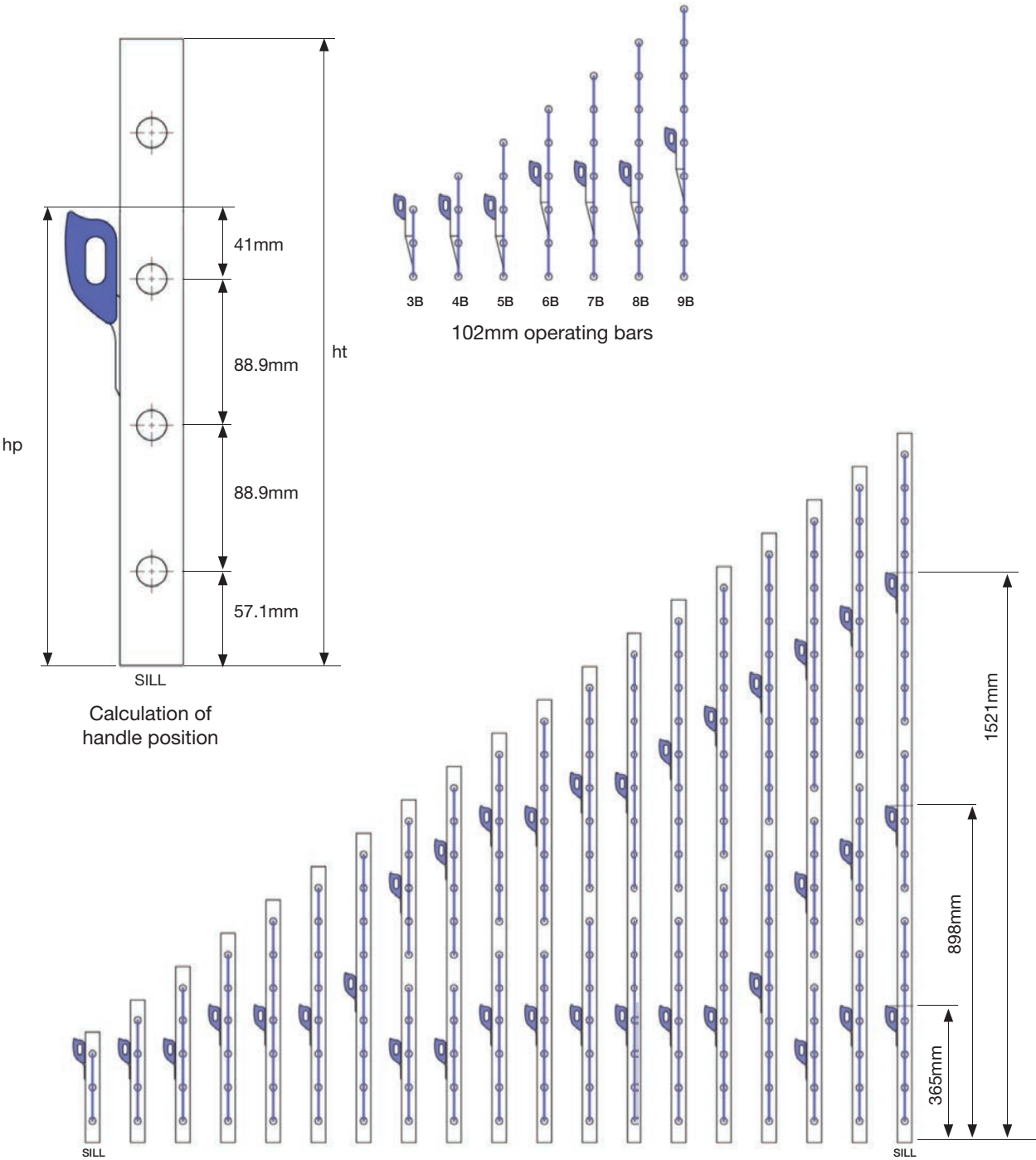
Standard louvre height (ht) for 102 blades can be computed as follows:

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

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



102mm Louvre Handle Positions and Controls



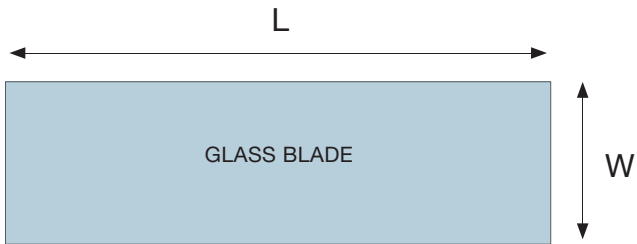
nb	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	13B	14B	15B	16B	17B	18B	19B	20B	21B
bb HEAD								5	6	6	7	7	8	9	9	9	9	9	9
SILL	3	4	5	6	7	8	9	5	5	6	6	7	7	8	9	9	5	5	7
ht (mm)	292	381	470	559	648	737	826	914	1003	1092	1181	1270	1359	1448	1537	1626	1715	1803	1892

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

Glass Blade Calculations

Blade Width (W)

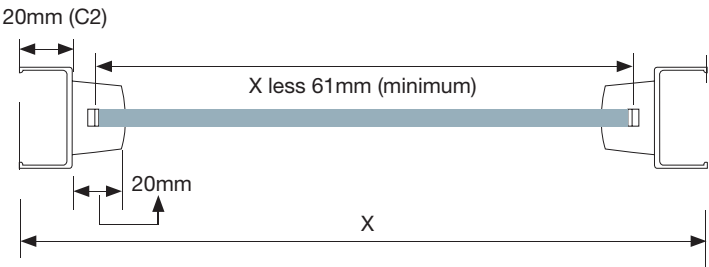
- 152mm Clips : 150mm - 151mm (max)
- 102mm Clips : 100mm - 101mm (max)



Blade Length (L)

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

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



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



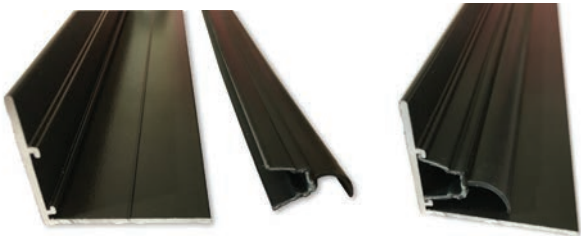
Photo by courtesy of Bradnams Windows and Doors Pty Ltd

CRL FresAir™ Weatherstrip Seal

- Weatherstrip Seal is Available to Match All Three Finishes
- 3m Stock Lengths

CAT. NO.	FINISH
L8024	Mill
L8032	Black
L8033	White
L8034	Anodic Natural Matte*

*Matches Natural Anodised Finishes



L8032 shown

CRL FresAir™ Locks

CAT. NO.	FINISH
L8040B	Black
L8040W	White
L8040G	Grey



CRL FresAir™ Keepers

CAT. NO.	FINISH
L8041B	Black
L8041W	White
L8041G	Grey



fresAir™



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