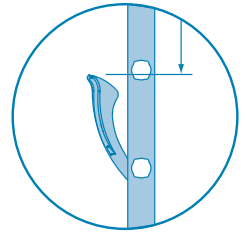
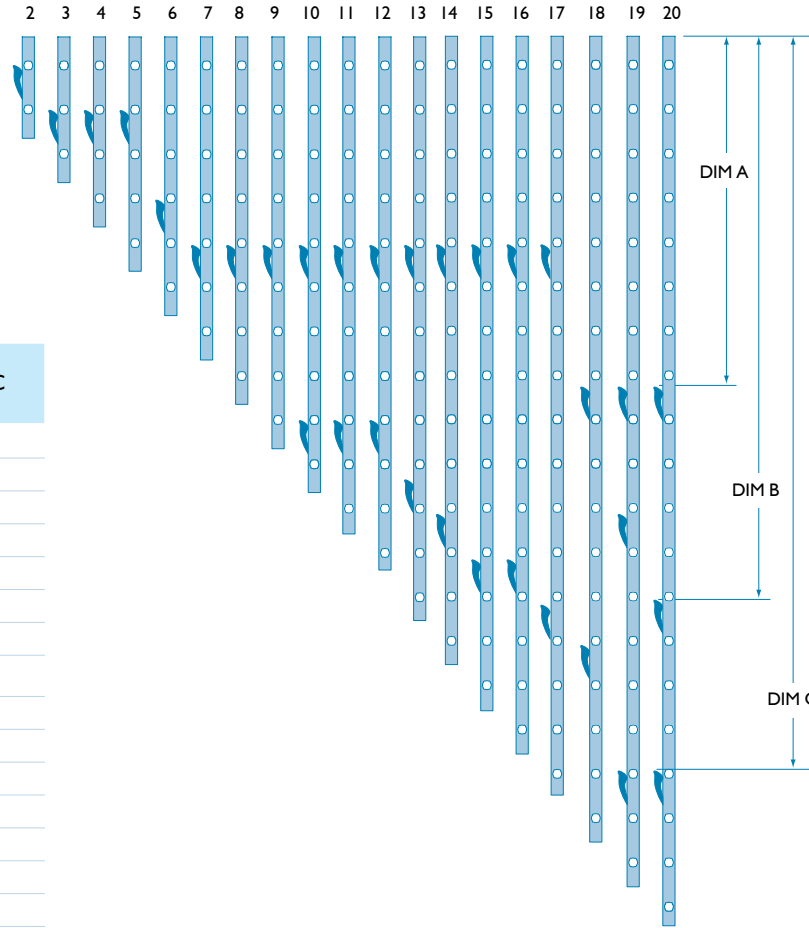


Altair® 6" Louver Standard Handle Positions

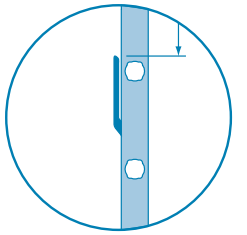
Formulas for Other Handle Positions

1. Low Profile Handle Position = Standard Handle Position – 1/8"
2. Ring Handle Position = Standard Handle Position + 1 1/16"
3. Slide Handle Position = Standard Handle Position + 1/8"
4. Altair Inside Screen Handle Position = Standard Handle Position + 9-1/4"

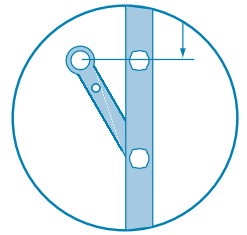
No. of Blades	Banks of Blades Controlled from Head Downwards	Channel Length	Dim A	Dim B	Dim C
2	2	12-19/32"	2-7/8"		
3	3	18-1/8"	8-3/8"		
4	4	23-5/8"	8-3/8"		
5	5	29-1/8"	8-3/8"		
6	6	34-21/32"	19-13/32"		
7	7	40-5/32"	24-29/32"		
8	8	45-21/32"	24-29/32"		
9	9	51-3/16"	24-29/32"		
10	7 3	56-11/16"	24-29/32"	46-31/32"	
11	7 4	62-7/32"	24-29/32"	46-31/32"	
12	7 5	67-23/32"	24-29/32"	46-31/32"	
13	8 5	73-7/32"	24-29/32"	52-15/32"	
14	9 5	78-3/4"	24-29/32"	57"	
15	7 8	84-1/4"	24-29/32"	63-1/2"	
16	7 9	89-3/4"	24-29/32"	69"	
17	8 9	95-9/32"	24-29/32"	69"	
18	9 9	100-13/16"	41-13/32"	74-1/2"	
19	9 4 6	106-5/316"	41-13/32"	57-15/16"	91-1/4"
20	9 6 5	111-13/16"	41-13/32"	68-31/32"	91-1/4"



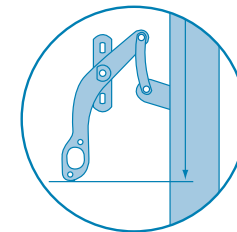
Standard Handle



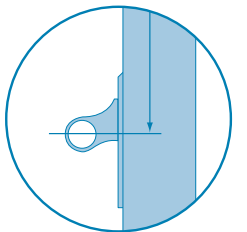
Low Profile Handle



Ring Pull Handle (A13)



Altair® Inside Screen Handle



ios® Window System Inside Screen Slide Handle.

Notes:

- Additional handles can be specified or relocated to another position. Each handle can operate a maximum of nine clips including at least one clip directly below the handle.
- Fixed blades are not counted as additional blades when calculating handle positions. So both a standard height 5 blade gallery and a 5 blade gallery with a top extension (5 operating blades and a fixed top blade) would have the handle positioned between the 3rd and 4th blades when counting from the bottom of the gallery.
- All handle position formulas are for windows in the closed position (all handles except the Altair Inside Screen Handle are in the up position when the window is closed).