

# S2 Screen System

## Gen2 upgrades - US

### Frame size

item	improvement	benefits & considerations
<b>height and width</b>	<ul style="list-style-type: none"> <li>maximum height changed from 124" (3150mm) to 157 1/2" (4000mm)</li> <li>maximum width changed from 102 3/8" (2600mm) to 157 1/2" (4000mm) for doubles</li> </ul>	<ul style="list-style-type: none"> <li>the maximum frame sizes have been increased to suit the most popular door openings while retaining a similar "box" size to the original S2</li> <li>the maximum frame widths vary with the height. The performance of the screen is affected by the weight of the insect mesh and the spring tension required to keep it flat. Therefore, the weight of the insect mesh is reduced by lowering the allowable height as the screen becomes wider. Narrow screens are the highest, while the wider screens are shorter</li> </ul>
<b>sill height</b>	<ul style="list-style-type: none"> <li>two sill heights: 3/4" (19mm) and 1" (25mm)</li> </ul>	<ul style="list-style-type: none"> <li>the 1" (25mm) high sill allows the insect mesh to engage deeper into the sill to reduce the likelihood of it blowing out in the wind with the wider frame</li> <li>because of the risk of the mesh blowing out the maximum frame width for the 3/4" (19mm) sill is restricted to a nominal single screen width of 51 1/8" (1300mm)</li> <li>the 1" (25mm) sill is actually 1" (25.5mm) high but for ease of communication it is named 1" (25mm). 1" (25.5mm) is shown in the product detail</li> <li>this change will affect how the S2 aligns with the sill of the door — please consider this when measuring and configuring the screen</li> </ul>
<b>head height</b>	<ul style="list-style-type: none"> <li>changed from 1 1/8" (40mm) to 2 1/8" (53mm)</li> </ul>	<ul style="list-style-type: none"> <li>the extra height is required to house the larger cone that is needed for the longer cable associated with the wider fabric</li> <li>the extra height also provides more engagement for the insect mesh to reduce the likelihood of it blowing out in the wind</li> <li>this change will affect how the S2 aligns with the head of the door — please consider this when measuring and configuring the screen.</li> </ul>
<b>frame depth</b>	<ul style="list-style-type: none"> <li>changed from 2 3/4" (70mm) to 73mm</li> </ul>	<ul style="list-style-type: none"> <li>the extra depth of the head, sill and jambs is required to house the larger cone and the larger roll of insect mesh required for the wider frame</li> <li>this change affects how much the S2 sits off the wall in a retrofit installation, however, it is very small and will not be noticeable in most installations</li> </ul>
<b>jamb width — single side without screen</b>	<ul style="list-style-type: none"> <li>change from 32mm to 1" (25mm)</li> <li>new 2 3/4" (70mm) option</li> </ul>	<ul style="list-style-type: none"> <li>the 1" (25mm) jamb is less intrusive and will blend in with more door jambs</li> <li>the new 2 3/4" (70mm) option is the same size as the jamb with the screen roll — it can be selected when a symmetrical frame enhances the installation</li> </ul>

sill height	frame height	Maximum frame width			
		double		single	
		old	new	old	new
3/4" (19mm)	Up to 125 15/16" (3200mm)		100 3/8" (2550mm)		51 1/8" (1300mm)   52 15/16" (1345mm)
1" (25mm)	up to 127 7/16" (4000mm)	102 3/8" (2600mm)	74 3/4" (1900mm)	51 3/16" (1300mm)	38 3/8" (975mm)   40 1/8" (1020mm)
	up to 145 5/8" (3700mm)		100 3/8" (2550mm)		51 1/8" (1300mm)   52 15/16" (1345mm)
	up to 125 15/16" (3200mm)		157 1/2" (4000mm)		79 11/16" (2025mm)   81 7/16" (2070mm)

	Insect mesh engagement	
	old	new
<b>head</b>	5/8" (15.4mm)	3/4" (19.5mm)
<b>sill 3/4" (19mm)</b>	7/16" (10.5mm)	1/2" (12.0mm)
<b>sill 1" (25mm)</b>	~	3/4" (18.5mm)

## S2 gains S4 enhancements

item	improvement	benefit & considerations
overall system	<ul style="list-style-type: none"> <li>same family</li> </ul>	<ul style="list-style-type: none"> <li>S2 and S4 are now clearly from the same family</li> <li>they will complement each other when installed in the same home</li> <li>it is easier for support staff to understand both systems</li> </ul>
cabling	<ul style="list-style-type: none"> <li>same system as S4</li> </ul>	<ul style="list-style-type: none"> <li>same training and understanding of the cabling method for both S2 and S4</li> </ul>
screen stile	<ul style="list-style-type: none"> <li>exactly the same as S4</li> </ul>	<ul style="list-style-type: none"> <li>same training and understanding of the tensioning system for both S2 and S4</li> <li>easier to manage spare parts</li> <li>easier to install the screen stile cover — no grub screws</li> </ul>
head and jamb covers	<ul style="list-style-type: none"> <li>uses S4 cover clips</li> </ul>	<ul style="list-style-type: none"> <li>the covers are easy to install and remove — no unsightly screws</li> </ul>
sill cover	<ul style="list-style-type: none"> <li>uses "sill cover end"</li> </ul>	<ul style="list-style-type: none"> <li>short sill covers sit at each end under the screen stile making it very easy to remove the sill cover</li> <li>easier for the homeowner to regularly clean the sill and the bottom of the screen rolls to avoid the most common cause of problems</li> </ul>
ID label	<ul style="list-style-type: none"> <li>same as S4</li> </ul>	<ul style="list-style-type: none"> <li>label records purchase order and production numbers so that custom-sized parts can be reproduced if replacements are needed</li> </ul>

## S2 mechanism changes

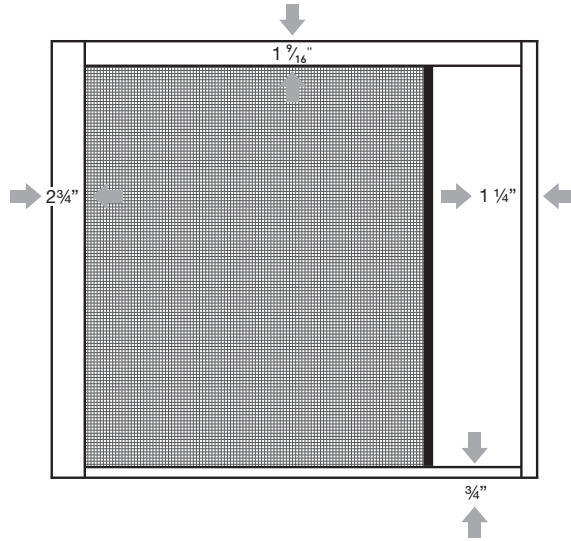
item	improvement	benefit & considerations
adjustment	<ul style="list-style-type: none"> <li>adjustment not required</li> </ul>	<ul style="list-style-type: none"> <li>small screens fitted with insect mesh do not need adjustment so the rolltube tilt adjustment feature has been removed</li> <li>we always recommend that our screens are installed within <math>\frac{1}{16}</math>"(1mm) per meter of square but tests in our R&amp;D laboratory show that the screen operates well even when installed out of square by <math>\frac{3}{8}</math>" (3mm) per meter. Specifying <math>\frac{1}{16}</math>"(1mm) reinforces an appropriate level of attention and allows for unforeseen circumstances that may occur after installation.</li> </ul>
cable clip	<ul style="list-style-type: none"> <li>it is now a screw clamp</li> </ul>	<ul style="list-style-type: none"> <li>the cable is now held in place with a clamp that works similar to a G-clamp. Turn the screw to clamp the cable against the cone, turn the screw the other way to release the cable.</li> <li>the screw adjustable clamp cannot accidentally fall off as the removable clip sometimes did. The cable remains neatly in place.</li> <li>the screw adjustable clamp is already in place for repairs. It cannot get lost.</li> </ul> <p><i>Warning: The screw for the clamp may get confused with the adjustment screw. Training and follow up reminders are recommended.</i></p>

## GEN1

### Single

height	
min	47 1/4" (1200mm)
max	96 7/16" (2450mm)

width	
min	25 3/16" (640mm)
max	51 3/16" (1300mm)

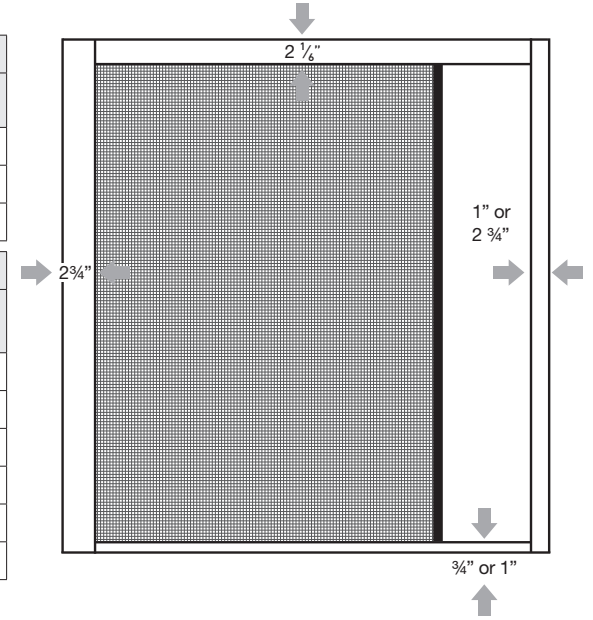


## GEN2

### Single

width	height range	3/4" (19mm) sill	
		2 3/4" (70mm) jamb	1" (25mm) jamb
min	78 11/16" to 157 7/16"	31 1/8" (790mm)	29 5/16" (745mm)
	up to 78 11/16"	26 7/16" (670mm)	24 3/16" (625mm)
max	up to 125 15/16"	52 15/16" (1345mm)	51 1/8" (1300mm)

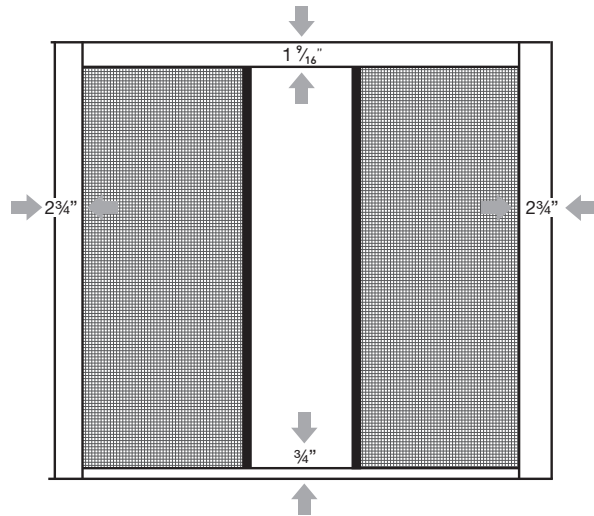
width	height range	1" (25mm) sill	
		2 3/4" (70mm) jamb	1" (25mm) jamb
min	125 15/16" to 157 7/16"	33 7/16" (850mm)	31 11/16" (805mm)
	78 11/16" to 125 15/16"	31 1/8" (790mm)	29 5/16" (745mm)
	up to 78 11/16"	26 7/16" (670mm)	24 3/16" (625mm)
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