

This document details the quality tolerances for the various attributes of our window screens. Specifications and inspection methods are provided for each attribute.

Attributes	Specifications	Inspection methods
Width & Height size	+/- 1/16"	Tape measure, Top and bottom measurement
Squareness	+/- 1/2"	Tape measure, Diagonal corner to corner, both corners
Hourglass	+/- 1/16"	Tape measure, Compare center to end measurements
Flat rack	< 2" if screen is smaller than 150 UI > 1" if screen is larger than 150 UI	Flat surface, Hold opposing corner down flat on surface
Cloth push out	40# test, screen center, must hold for greater than 15 sec.	Test fixture, Statistical sampling
Cloth cuts or tears	No cuts or tears on viewing surface. No more than one thread per 12" can be cut at spline channel edge	Viewing surface at arm's length. Spline channel viewing up to 6" from surface
Cloth weave	No thread bunching, open voids	View at 90 and 45 degrees
Cloth sag, bubbles, bulges	No more than 1/8" sag up to 25", 1/4" sag up to 44". over 44", and no more than one sag per side of screen. No bulges to exceed 1/8" along edge	Measure sag from flat surface; feel for sag on edges by hand
Miter corner gap	1/32" or less either across entire length of cut, on tip or base of cut	1/32" feeler gauge
Miter cut tips alignment	tips of opposing pieces must align with in 1/32"	visual at arms length
Hardware drill holes	No drill burr greater than 1/16"	visual with 1/16" feeler gauge
Hardware actuation	Hardware must move freely up, down or side to side with in the punched or drilled hole	Visual, physical actuation test of the hardware after installation
Punch deformation	No more than 1/32" deformation to the punch surface or adjoining edges appearing as a dimple, depression or flair	Visual at arms length. 1/32" feeler gauge and straight edge as required
Window hardware location	+/- 1/16" from customer specified location	Tape measure
Window spring alignment	Spring must sit securely on edge of material and able to be compressed and released with out falling off edge	Hand test
Window spreader bar location	+/- 1/16" from customer specified dimension	Tape measure
Warning label	No more than 1/8" mis-alignment from edge of frame	Tape measure
Cosmetic scratch, cut or dent	Defect visible of any size with in a 4' viewing distance. Defects with a repeated pattern are to be rejected	Visual at 4' under ample lighting

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