

## Cutting Tolerances

Thickness	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"
Tolerance	+/-1/16"	+/-1/16"	+/-1/16"	+/-1/16"	+/-1/16"	+/-1/8"	+/-1/8"

## Bow and Warp Tolerances for Monolithic Tempered and Insulated

Length (in)	0-20	>20-35	>35-47	>47-59	>59-71	>71-83	>83-94	>94-106	>106-118
1/8"	1/8"	1/8"	3/16"	1/4"	3/8"	7/16"	N/A	N/A	N/A
5/32"	1/8"	1/8"	3/16"	1/4"	3/8"	3/8"	N/A	N/A	N/A
3/16"	1/8"	1/8"	1/8"	1/4"	1/4"	5/16"	3/8"	7/16"	1/2"
1/4"	1/8"	1/8"	1/8"	3/16"	1/4"	1/4"	1/4"	3/8"	3/8"
5/16"	1/8"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	1/4"
3/8"	1/16"	1/16"	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	1/4"
1/2"	1/16"	1/16"	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	1/4"

## Dimensional and Surface Quality for Monolithic Annealed and Tempered Glass

1. Clams of up to 3/16" allowed on raw and seamed edges
2. Flares of up to 1/16" allowed on raw and seamed edges
3. Ground or polished edges must be free of defects
4. Hole, hinge and notch locations and size +/- 1/16".
5. Chips around a hole are allowed if they are equal to or less than the thickness of the glass measured parallel to the hole and half the thickness of the glass measured perpendicular to the hole
6. Diagonal tolerance +/- 1/8"
7. Surface defects including seeds, cat eyes, gaseous inclusions, stones, scratches and pitting must be visible 5+ feet away; viewing perpendicular to the glass surface using indirect lighting
8. There are no standards for surface quality on pattern glass
9. Plug Cut-Outs, Corner Notches, Edge Notches or any square cut out will require a radius corner that is at least the thickness of the glass.

10. By default, all tempered pieces are made without a logo. If a logo is required, it must be specifically requested by the customer. Unless Specified, the logo location will be placed at Peninsula Glass discretion. Undesired logo location will not warrant a remake.
11. Fabrication does not have finished edges. This includes, inside cut-outs, holes, hinge cut-outs, u-clip cut-outs, and plug cut-outs. Seamed edge tolerances will apply to fabrication.

## Dimensional and Surface Quality for Insulated Glass

1. Sightlines
  - a. Standard 7/16, +/- 1/16"
  - b. Narrow 3/8", +/- 1/16"
  - c. Some waviness in the primary seal is allowed
  - d. No sealant must extend into the unit cavity
2. Overall thickness +/- 1/32"
3. Diagonal tolerance +/- 1/8"
4. Maximum shearing of 1/16" allowed
5. Spacer cannot protrude beyond the unit's edge
6. 1/16" void allowed between primary and secondary seal with spacer showing
7. Occasional striation allowed in secondary sealant
8. No sealant voids allowed in corners
9. No desiccant, dirt, butyl or any other foreign material allowed inside the cavity
10. Two lites cannot be touching in the center
11. Surface defects including seeds, cat eyes, gaseous inclusions, stones, scratches and pitting must be visible 5 feet away
12. Roll wave will run parallel to the base dimension, if the base dimension does not exceed 84"
13. Inspections are made looking through the glass under normal lighting conditions at an angle that is perpendicular to the glass surface