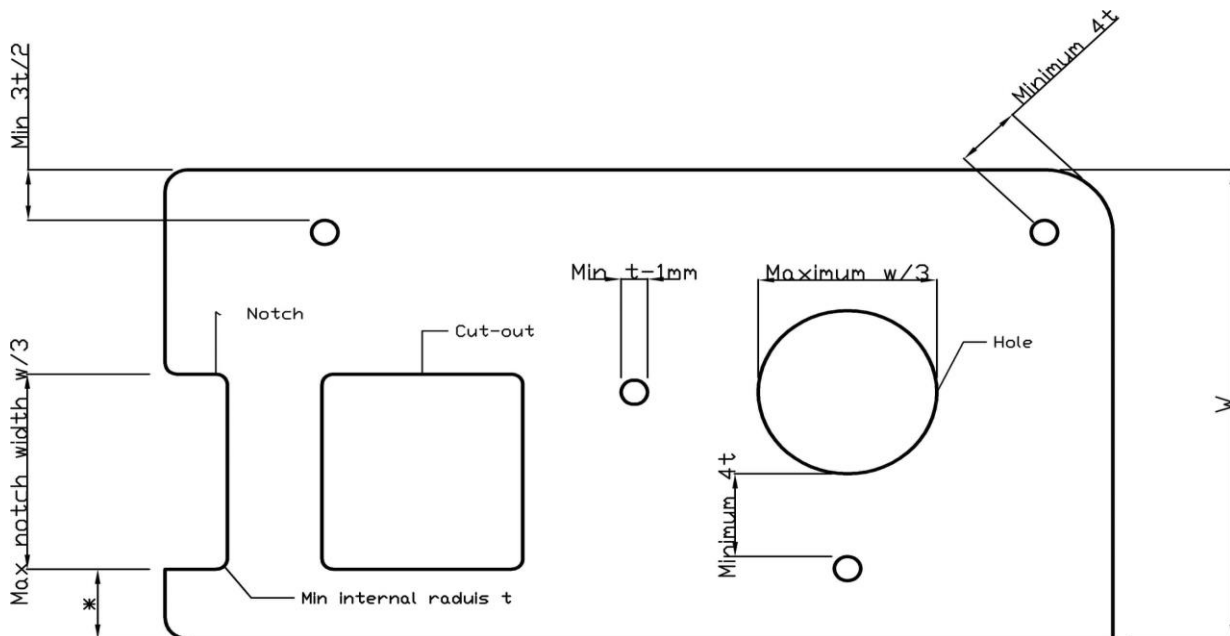


Limitations for holes, notches & cut-outs in EN12150-1 toughened glass



* This dimension (when small in proportion to item size) will depend on factors such as material thickness, material type, notch depth and internal radius. When * also is reduced to a minimum dimension with a larger or maximum notch depth warping and bending can occur during tempering which can result in notch squareness or edge straightness being affected. Results are totally random and cannot be controlled. Good clearance is advised. Please contact us for advice.

W = Smallest dimension of item size

t = Glass thickness

Holes over 30mm in diameter are limited to one-third of **W**

General Tolerance Notes

- $t = \pm 0.2mm$ monolithic float glass, $\pm 0.6mm$ stock laminated glass, \pm toughened laminated glass 1.0mm.
- Surface overall bow on toughened glass. $+3mm/1100mm$. (Min area applies 0.25)
- Local bow on toughened glass $\pm 0.2mm/300mm$ (Min area applies 0.2sqm)

(Note: On toughened laminated glass, edge-nip will mean edges, corners and points will measure smaller than body thickness. This is normal)

- Overall size $\pm 2mm$ (not including oversize items)
- Squareness or angular precision, $\pm 0.15^\circ$
- Feature positions (Holes, notches, cut-outs, etc) $\pm 2.5mm$
- Hole sizes $\pm 0.5mm$
- Feature sizes (Cut-outs, notches, etc) $\pm 2mm$