

manufacturing parameters for curved toughened glass

please be aware that all curved toughened will have flats of 100mm to 150mm.

This will be more noticeable on glass bent to a tight radius than it will be on glass bent to a shallower radius.

Within the following guidelines the tolerance will be + or - half the glass thickness.

Maximum angle 90°

up to 1200 girth and 3450 length

material	minimum rad	minimum girth	minimum length
4mm	550	350	100
5mm	550	350	100
6mm	660	350	100
8mm	880	350	100
10mm	1100	350	100
12mm	1320	350	100
15mm	1650	350	100
19mm	2090	350	100

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up to 2500 girth and 3450 length

material	minimum rad	minimum girth	minimum length
5mm	1000	350	100
6mm	1000	350	100
8mm	1000	350	100
10mm	1100	350	100
12mm	1320	350	100
15mm	1650	350	100
19mm	2090	350	100

up to 3150 girth and 5000 length

material	minimum rad	minimum girth	minimum length
5mm	1320	100	500
6mm	1320	100	500
8mm	1320	100	500
10mm	1320	100	500
12mm	1320	100	500
15mm	1650	100	500
19mm	2090	100	500

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It is sometimes possible to work outside these guidelines as follows, you should however check with our technical department first, e.g.:-

- Greater than 90° angle
- Less than minimum quoted radius
- Longer than maximum quoted length

All bends manufactured outside the guidelines require increased tolerance of + and - half the glass thickness.

Twist/Torsion \pm 5mm per metre, measured along the straight edge.

Edge Bow \pm 3mm per metre, measured along the straight edge.

visual quality

A degree of distortion, both when looking through and in reflection, is inevitable in curved toughened glass, particularly when viewing a moving object through the glass. All curved glass should be site inspected from a minimum distance of 3m and viewed at right angles to the glass.

It should also be noted that toughened curved glass will split direct sunlight into striped shadow.

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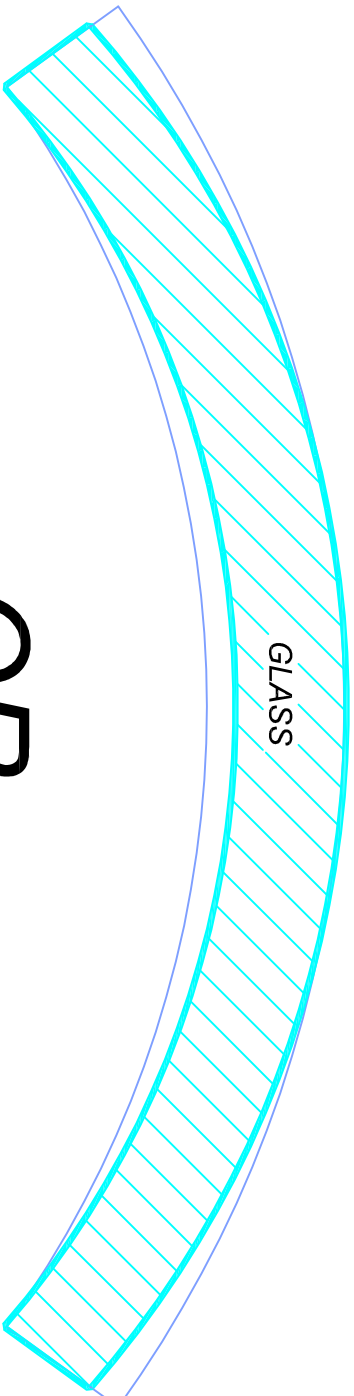
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Example for 10mm GLASS

(Within Tolerance)

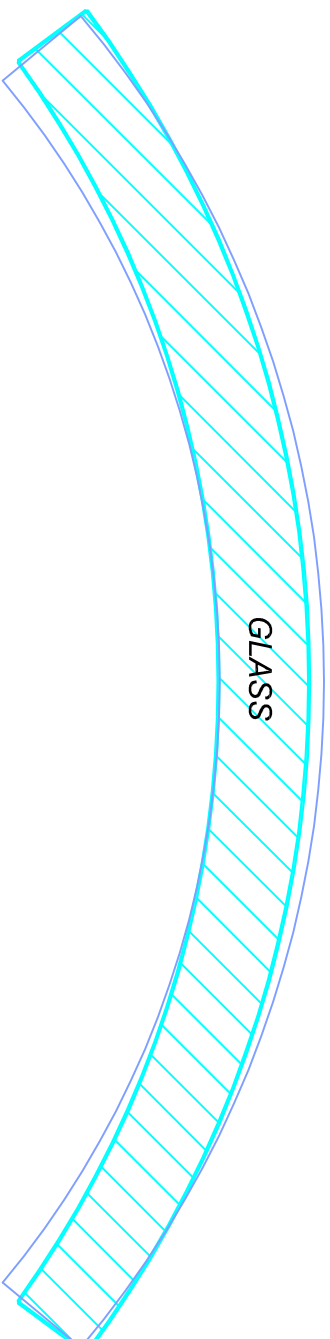
10mm glass
X $1\frac{1}{2}$ Thickness
=15mm Channel width



OR

(Outside Tolerance)

10mm glass
X 2 Thickness
=20mm Channel width



(Within Tolerance)

10mm glass
X $1\frac{1}{2}$ Thickness
=15mm Channel width

(Outside Tolerance)

10mm glass
X 2 Thickness
=20mm Channel width