



BENT GLASS SPECIFICATIONS

Delivering Bent & Specialist Glass with Excellence



TemperShield®

TEMPERED BENT GLASS - BY GLASSHAPE

glasshape.com



Small Bend Even Radius

TemperShield® - Even Radius Small Panels					
Glass Thickness (mm & inches)	Girth (mm & inches)	Minimum Radius (mm & inches)	Length (mm & inches)	Maximum Depth (mm & inches)	Max Angle ⁰ (degrees)
4mm (1/8")	350mm to 1000mm (13 3/4" to 39 3/8")	450mm (17 3/4")	100mm to 2440mm (3 7/8" to 96 1/8")	250mm (9 7/8")	127 ⁰
5mm (3/16")	350mm to 1050mm (13 3/4" to 41 3/8")	450mm (17 3/4")	100mm to 2440mm (3 7/8" to 96 1/8")	273mm (10 3/4")	135 ⁰
6mm (1/4")	350mm to 1100mm (13 3/4" to 43 1/4")	450mm (17 3/4")	100mm to 2440mm (3 7/8" to 96 1/8")	296mm (11 5/8")	140 ⁰
8mm (5/16")	350mm to 1150mm (13 3/4" to 45 1/4")	500mm (19 5/8")	100mm to 2440mm (3 7/8" to 96 1/8")	296mm (11 5/8")	132 ⁰
10mm (3/8")	350mm to 1200mm (13 3/4" to 47 1/4")	550mm (21 5/8")	100mm to 2440mm (3 7/8" to 96 1/8")	296mm (11 5/8")	125 ⁰
12mm (1/2")	350mm to 1250mm (13 3/4" to 49 1/4")	650mm (25 5/8")	100mm to 2440mm (3 7/8" to 96 1/8")	278mm (11")	110 ⁰
15mm (5/8")	350mm to 1300mm (13 3/4" to 51 1/8")	750mm (29 1/2")	100mm to 2440mm (3 7/8" to 96 1/8")	264mm (10 3/8")	99 ⁰

Large Bend Even Radius

TemperShield® - Even Radius Large Panels					
Glass Thickness (mm & inches)	Girth (mm & inches)	Minimum Radius (mm & inches)	Length (mm & inches)	Maximum Depth (mm & inches)	Max Angle ⁰ (degrees)
5mm (3/16")	650mm to 2440mm (25 5/8" to 96 1/8")	1000mm (39 3/8")	350mm to 3900mm (13 3/4" to 153 1/2")	656mm (25 53/64")	140 ⁰
6mm (1/4")	650mm to 2440mm (25 5/8" to 96 1/8")	1000mm (39 3/8")	350mm to 3900mm (13 3/4" to 153 1/2")	656mm (25 53/64")	140 ⁰
8mm (5/16")	650mm to 2440mm (25 5/8" to 96 1/8")	1000mm (39 3/8")	350mm to 3900mm (13 3/4" to 153 1/2")	656mm (25 53/64")	140 ⁰
10mm (3/8")	650mm to 2440mm (25 5/8" to 96 1/8")	1000mm (39 3/8")	350mm to 3900mm (13 3/4" to 153 1/2")	656mm (25 53/64")	140 ⁰
12mm (1/2")	650mm to 2440mm (25 5/8" to 96 1/8")	1200mm (47 1/4")	350mm to 3900mm (13 3/4" to 153 1/2")	569mm (22 3/8")	117 ⁰
15mm (5/8")	650mm to 2440mm (25 5/8" to 96 1/8")	1500mm (59 1/6")	350mm to 3900mm (13 3/4" to 153 1/2")	469mm (18 1/2")	93 ⁰
19mm (3/4")	650mm to 2440mm (25 5/8" to 96 1/8")	1900mm (74 3/4")	350mm to 3900mm (13 3/4" to 153 1/2")	378mm (14 7/8")	74 ⁰

Oversize Capabilities:

For non-bent panels we are able to offer a maximum size of 7600 x 3300mm (299 1/4" x 129 7/8") . This reduces to 7200mm (283 1/2") if heat soak is required. It is possible to manufacture flat toughened laminated and printed panels up to 15000 x 3200mm (59 1/16" x 126") – we can work with you to supply to your specification.

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Uneven Radius Panels & 3D*

TemperShield® Uneven Radius Panels & 3D*					
Glass Thickness (mm & inches)	Girth (mm & inches)	Minimum Radius (mm & inches)	Length (mm & inches)	Maximum Depth (mm & inches)	Max Angle° (degrees)
6mm (1/4")	100mm to 950mm (3 7/8" to 76 3/4")	200mm (7 7/8")	100mm to 950mm (3 7/8" to 37 3/8")	150mm (5 5/8")	90°
8mm (5/16")	100mm to 1950mm (3 7/8" to 76 3/4")	200mm (7 7/8")	100mm to 2950mm (3 7/8" to 116 1/8")	250mm (9 7/8")	90°
10mm (3/8")	100mm to 1950mm (3 7/8" to 76 3/4")	200mm (7 7/8")	100mm to 2950mm (3 7/8" to 116 1/8")	290mm (11 3/8")	90°
12mm (1/2")	100mm to 1950mm (3 7/8" to 76 3/4")	250mm (9 7/8")	100mm to 2950mm (3 7/8" to 116 1/8")	290mm (11 3/8")	90°
15mm (5/8")	100mm to 1950mm (3 7/8" to 76 3/4")	250mm (9 7/8")	100mm to 2950mm (3 7/8" to 116 1/8")	290mm (11 3/8")	90°
19mm (3/4")	100mm to 1950mm (3 7/8" to 76 3/4")	250mm (9 7/8")	100mm to 2950mm (3 7/8" to 116 1/8")	290mm (11 3/8")	90°

'J' Curves, Even and Uneven Radius Panels*

Annealed & Laminated - 'J' Bends, Even and Uneven Radius Panels*					
Glass Thickness (mm & inches)	Girth (mm & inches)	Minimum Radius (mm & inches)	Length (mm & inches)	Maximum Depth (mm & inches)	Max Angle° (degrees)
2mm (1/16")	80mm to 900mm (3 1/8" to 35 3/8")	50mm (1 15/16")	50mm to 1200mm (1 15/16" to 47 1/4")	266mm (10 1/2")	160°
3mm (1/8")	100mm to 1600mm (3 7/8" to 63")	80mm (3 1/8")	50mm to 2400mm (1 15/16" to 94 1/2")	474mm (18 5/8")	160°
4mm (5/32")	150mm to 1800mm (5 7/8" to 70 7/8")	100mm (3 7/8")	50mm to 2800mm (1 15/16" to 110 1/4")	533mm (20 31/32")	160°
5mm (3/16")	180mm to 2100mm (7 1/8" to 82 11/16")	150mm (5 7/8")	50mm to 3000mm (1 15/16" to 118 1/8")	650mm (25 5/8")	145°
6mm (1/4")	200mm to 2100mm (7 7/8" to 82 11/16")	150mm (5 7/8")	50mm to 3000mm (1 15/16" to 118 1/8")	650mm (25 5/8")	145°
8mm (5/16")	200mm to 2100mm (7 7/8" to 82 11/16")	200mm (7 7/8")	50mm to 3000mm (1 15/16" to 118 1/8")	650mm (25 5/8")	145°
10mm (3/8")	200mm to 2100mm (7 7/8" to 82 11/16")	200mm (7 7/8")	50mm to 3000mm (1 15/16" to 118 1/8")	650mm (25 5/8")	145°
12mm (1/2")	200mm to 2100mm (7 7/8" to 82 11/16")	200mm (7 7/8")	50mm to 3000mm (1 15/16" to 118 1/8")	650mm (25 5/8")	145°
15mm (5/8")	200mm to 2100mm (7 7/8" to 82 11/16")	300mm (11 3/4")	50mm to 3000mm (1 15/16" to 118 1/8")	650mm (25 5/8")	145°
19mm (3/4")	200mm to 2100mm (7 7/8" to 82 11/16")	350mm (13 3/4")	50mm to 3000mm (1 15/16" to 118 1/8")	650mm (25 5/8")	145°

Notes

1. Increasingly tighter curves require thinner & smaller glass sizes as outlined above.
2. Maximum height can vary depending on the radius & glass thickness. If the height is greater than 3600mm (141 3/4"), then please call us to confirm.

* Some "J" shape and uneven panels may not be able to be toughened. Please enquire directly.

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