

ArcPlus®

BENT TEMPERED GLASS

For many years, conceived ideas with special focus on large and often bent glass surfaces formed a complex equation for designers, architects, and building investors. The growing demand for specialty architectural glass products has left industry professionals seeking for appropriate solutions to serve requirements with ambitious designs.

Creating new possibilities for the local industry, bent tempered glass is now available in the Philippines – ArcPlus®, a flat tempered glass that is bent during the heat-treating process to a specified radius to create unique profiles for installations in commercial and residential applications. Conforming to safety glazing standards ANSIZ – 97.1, ArcPlus®, which has a maximum dimension of 2500mm (girth) x 2850mm (length), meets every safety and security specification.

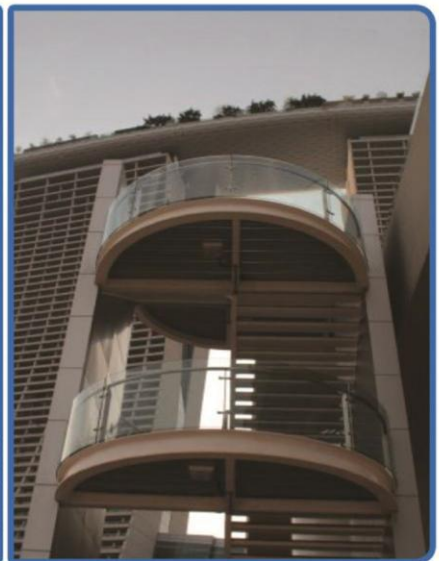
ArcPlus® can accommodate holes, notches, hinges cut-outs, polished and chamfered edges including sandblasting and painting. Fabrication can be done on glass thickness of 6mm – 19mm depending on its application. ArcPlus® with its highly technical support can provide you with the CAD formats of your requirements.

With its capability, ArcPlus® is a significant innovation perfect for distinctive and stylish architectural and interior designs.

When ordering ArcPlus® it is best to supply a tracing or sketch of the curve showing the glass dimensions in terms of:

- A. Glass Thickness and Dimension
- B. Arc Length or Outside Girth
- C. Outside Radius
- D. Height or Length
- E. Chord Length or Span
- F. Outside Depth or Rise

Applications



- Railings and Balustrades
- Curtain Walls
- Spiral Staircases

- Glass Partitions
- Elevators
- Signage

- Glass Door
- Canopies and Skylights
- Furniture

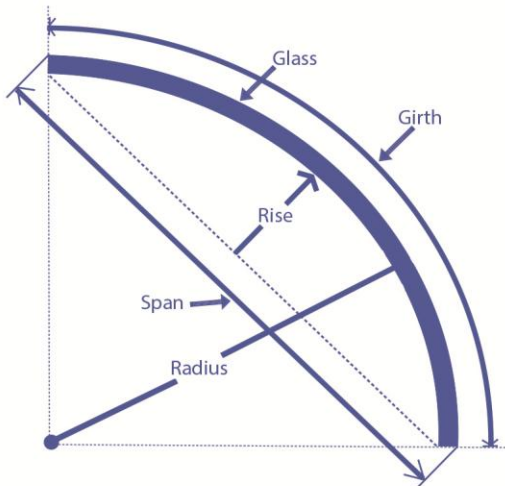
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PRODUCT SPECIFICATION

Diagram



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2. Arc Length or Girth
3. Radius
4. Height or Length
5. Chord Length or Span
6. Outside Depth or Rise

Radius per Glass Thickness

Glass Thickness	Minimum Radius
19mm	2000mm
15mm	2000mm
12mm	1500mm
10mm	1200mm
8mm	1200mm
6mm	1000mm

Type of glass possible for bent tempered:

Clear & Tinted Float Glass, Low-E Glass, Reflective Glass & **Opti-Clear®** Glass

Maximum glass dimension

- Maximum dimension of all glass thickness 2500mm (girth) x 2850mm (length)

Narrow glass dimension

Glass Thickness	Min. Girth (in mm)	Min. Length (in mm)
6mm - 8mm	500	500
10mm - 12mm	600	500
15mm - 19mm	700	500

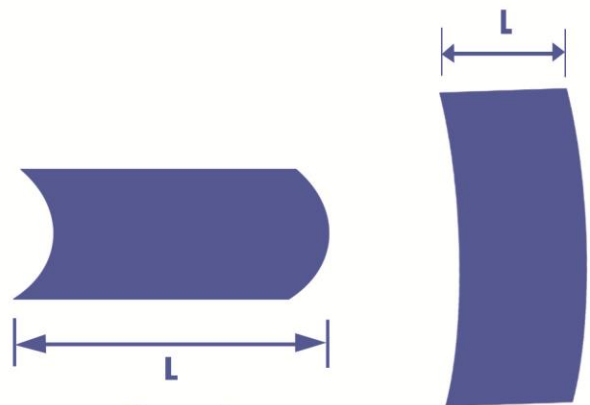


Figure A

Figure B

Tolerances

Glass Thickness	Radius Tolerance	Dimension Tolerance
15mm - 19mm	+/- 5mm	+/- 5mm
6mm - 12mm	+/- 3mm	+/- 3mm

ArcPlus® only accommodate 90° cylindrical type of curve.