

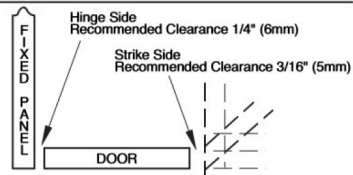
Calculating Glass Sizes - Width and Height for Glass-to-Glass Hinges

When a temperer fabricates your glass, he fabricates it to outside dimensions. However, when you measure your shower door unit, center-line measurements are used. The formulas below will help you convert from center-line measurements to outside measurements. The add-ons and deductions listed below are figured to give you the outside dimensions of your fixed panel and the width of your door. They include the recommended clearances shown in the diagrams at the right side of the page.

Width

90° Glass-to-Glass Hinges with Square Cut Door and Panel

Glass Thickness	Fixed Panel	Door Panel
1/4" (6mm)	+1/8" (3mm) ■	-9/16" (14mm) ▲
5/16" (8mm)	+5/32" (4mm) ■	-19/32" (15mm) ▲
3/8" (10mm)	+3/16" (5mm) ■	-5/8" (16mm) ▲
1/2" (12mm)	+1/4" (6mm) ■	-11/16" (17mm) ▲



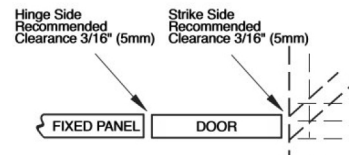
135° Glass-to-Glass Hinges with Square Cut Door and 45° Mitered Panel

Glass Thickness	Fixed Panel	Door Panel
1/4" (6mm)	+1/8" (3mm) ■	-3/8" (10mm)
5/16" (8mm)	+5/32" (4mm) ■	-3/8" (10mm)
3/8" (10mm)	+3/16" (5mm) ■	-3/8" (10mm)
1/2" (12mm)	+1/4" (6mm) ■	-3/8" (10mm)



180° Glass-to-Glass Hinges with Square Cut Door and Panel

Glass Thickness	Fixed Panel	Door Panel
1/4" (6mm)	0" ■	-3/8" (10mm)
5/16" (8mm)	0" ■	-3/8" (10mm)
3/8" (10mm)	0" ■	-3/8" (10mm)
1/2" (12mm)	0" ■	-3/8" (10mm)



■ This measurement only addresses the hinge side of the fixed panel. If you have a clearance gap or glass-to-glass joint on the other side of the fixed panel, you must figure these clearances separately
▲ If Top or Bottom Pivot Hinges are used, 1/16" (1.5mm) should be deducted off this measurement.

Warning: The clearances shown are applicable for most installations. For clearances using specific polycarbonate seals, please consult clearance charts on **pages 2-13 and 2-14**.

Note: Hinge location guidelines are shown on **page 2-15**.

Height For height deductions on door, use guidelines on **pages 2-8 or 2-9**. For height deductions on panels, use guidelines on **pages 2-16 and 2-17**.

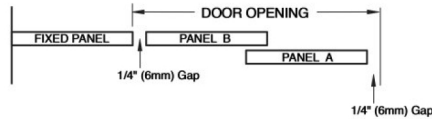
Bi-Fold Doors

(Using ZURO1 with ZURO3 for doors to swing into tub area, or using ZURO2 with ZURO5 for doors to swing out from tub area).

Recommendation: Refer to specifications for hinges used (see current Frameless Shower Door Hardware and Supplies Catalog). Remember, when doing a bi-fold door, the wall mount hinges are actually being asked to swing both panels. Three wall mount hinges may be required, while only two glass-to-glass hinges may be needed.

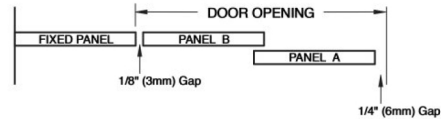
Door Widths

OPTION 1: 1/4" (6mm) gap at wall; 1/4" (6mm) gap between Panel B and Fixed Panel



Formula: Panel A = Door Opening ÷ Two - 3/4" (19mm)
Panel B = Door Opening ÷ Two + 2¹/₁₆" (52mm)

OPTION 2: 1/4" (6mm) gap at wall; 1/8" (3mm) gap between Panel B and Fixed Panel



Formula: Panel A = Door Opening ÷ Two - 11/16" (17mm)
Panel B = Door Opening ÷ Two + 2¹/₈" (54mm)

Door Panel Height

Option 1: Using Cat. No. P880WS for seal on the bottom of the doors, minus 5/16" (8mm) in height.

Option 2: Using Cat. No. P990WS for seal on the bottom of the doors, minus 3/8" (10mm) in height.
(You must trim off the 45° drip rail behind the glass overlap from Panel B on Panel A).

Fixed Panel

Height

Option 1: Silicone glass in "U"-Channel on top of tub, minus 3/32" (2.4mm) in height.

Option 2: "U"-Clamp on top of tub secured through hole in glass, minus 3/16" (5mm) in height.
Silicone gap after installation.

Width

Option 1: Silicone glass in "U"-Channel on wall, minus 1/8" (3mm) to 3/16" (5mm) in width.

Option 2: "U"-Clamp on wall secured through hole in glass, minus 3/16" (5mm) in width. Silicone gap after installation.