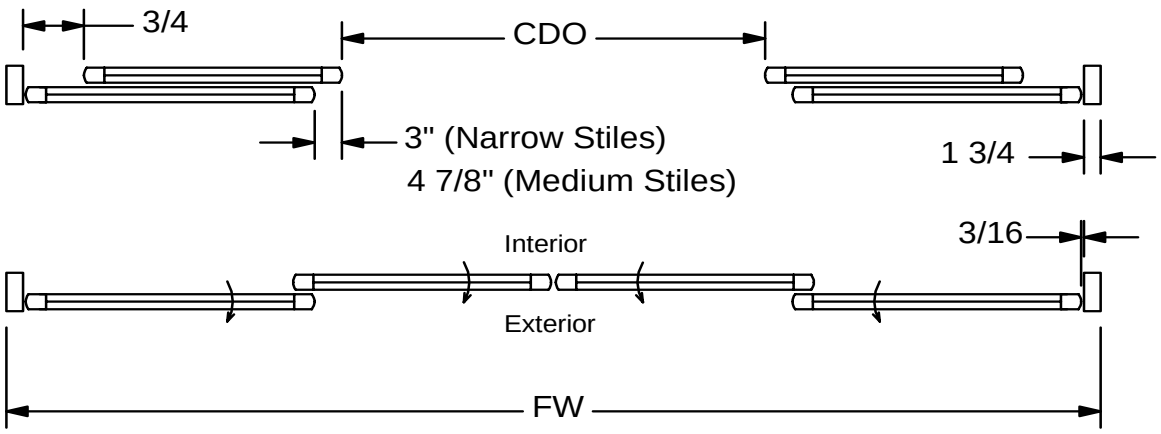
Index - GT1175 Frame Width and Door Opening Calculations

1175 Bi-Part
Full Open & Fixed Sidelite



Calculation of the Maximum Clear Door Opening for a given Frame Width

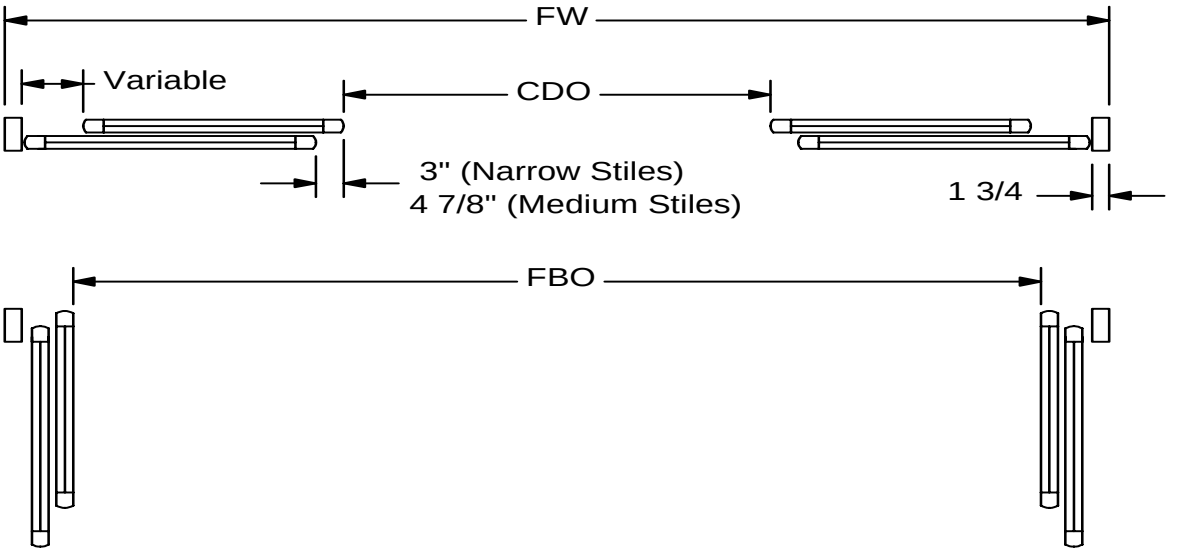
Max CDO = (FW ÷ 2) – 7 ¾” (Narrow Stiles)
Max CDO = (FW ÷ 2) – 11 ½” (Medium Stiles)

Calculation of the Minimum Frame Width Required for a given Clear Door Opening

Min FW = (CDO x 2) + 15 ½” (Narrow Stiles)
Min FW = (CDO x 2) + 23” (Medium Stiles)

Assumptions:
1. ¾" Rear Door Gap
2. 1 ¾" width jamb tubes
3. No Jackson Paddle panic devices
4. These equations apply to both Full Open and Fixed Sidelight Units

1175 Bi-Part Full Open



Full Breakout Width for 1175 Full Open Bi-Part Sliders

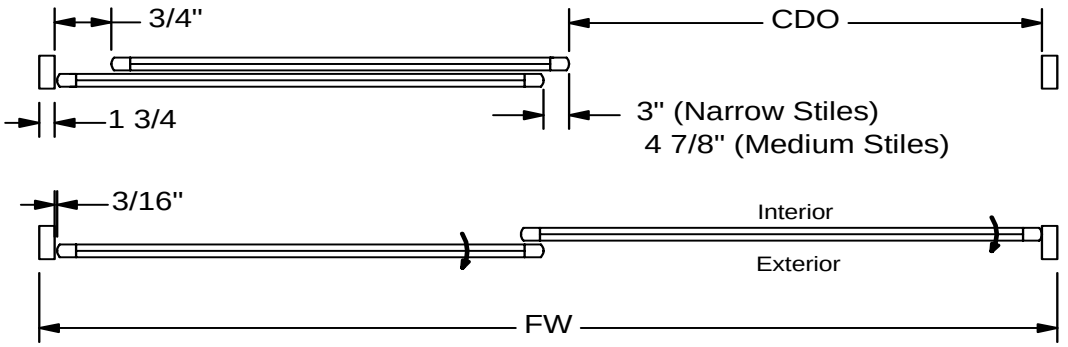
For the following, each type of slider has two equations. To arrive at the correct value for the Full Break Out, you **MUST** calculate both equations and use the **SMALLER** number.

FBO = (CDO x 2) + 7” (Narrow Stiles)
FBO = FW – 12 ½”

FBO = (CDO x 2) + 14 ½” (Medium Stiles)
FBO = FW – 12 ½”

NOTE: These equations are not valid for units equipped with Jackson Paddle or Adams Rite panic devices. Assumed 1 ¾” jamb tubes.

1175 Single
Full Open & Fixed Sidelite



Calculation of the Maximum Clear Door Opening for a given Frame Width

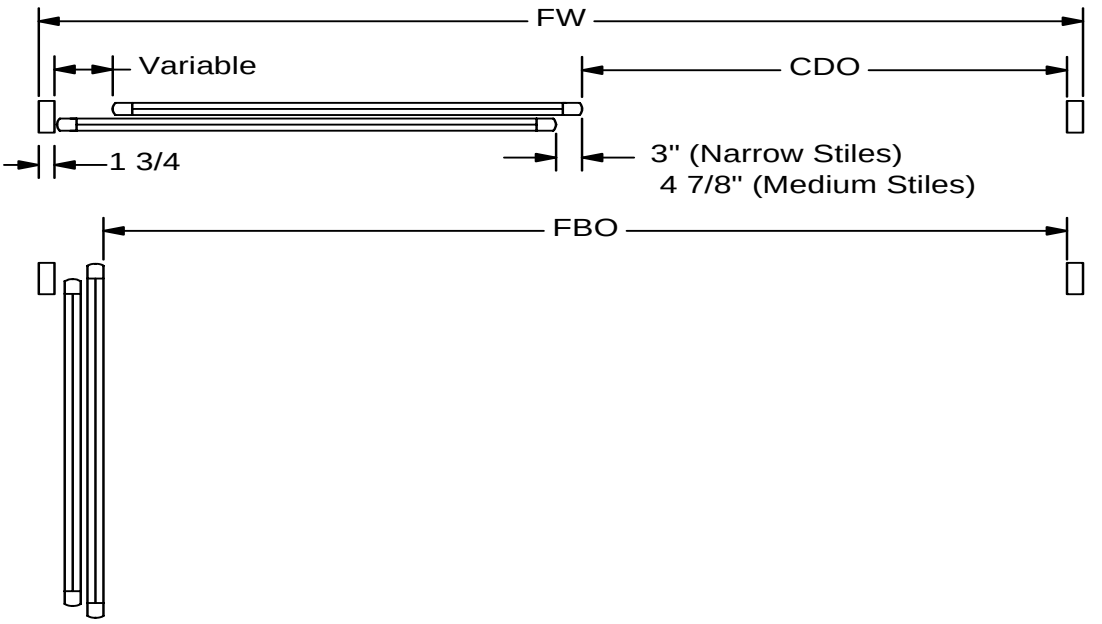
Max CDO = (FW ÷ 2) – 4 ¾" (Narrow Stiles)
Max CDO = (FW ÷ 2) – 6 ⅝" (Medium Stiles)

Calculation of the Minimum Frame Width Required for a given Clear Door Opening

Min FW = (CDO x 2) + 9 ½" (Narrow Stiles)
Min FW = (CDO x 2) + 13 ¼" (Medium Stiles)

Assumptions:
1. ¾" Rear Door Gap
2. 1 ¾" width jamb tubes
3. No Jackson Paddle panic devices
4. These equations apply to both Full Open and Fixed Sidelight Units

1175 Single Full Open



Full Breakout Width for 1175 Full Open Single Sliders

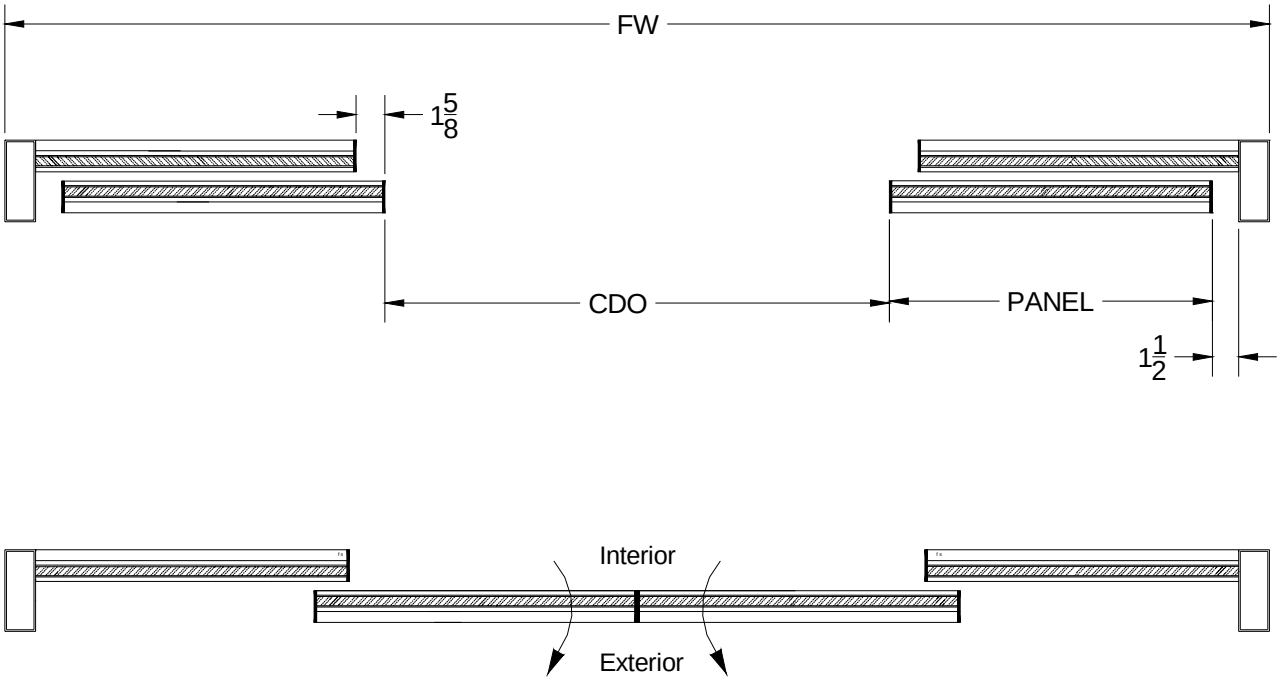
For the following, each type of slider has two equations. To arrive at the correct value for the Full Break Out, you **MUST** calculate both equations and use the **SMALLER** number.

FBO = (CDO x 2) + 3 ½" (Narrow Stiles)
FBO = FW – 8"

FBO = (CDO x 2) + 7 ¼" (Medium Stiles)
FBO = FW – 8"

NOTE: These equations are not valid for units equipped with Jackson Paddle or Adams Rite panic devices. Assumed 1 ¾" jamb tubes.

1175 All Glass BiPart



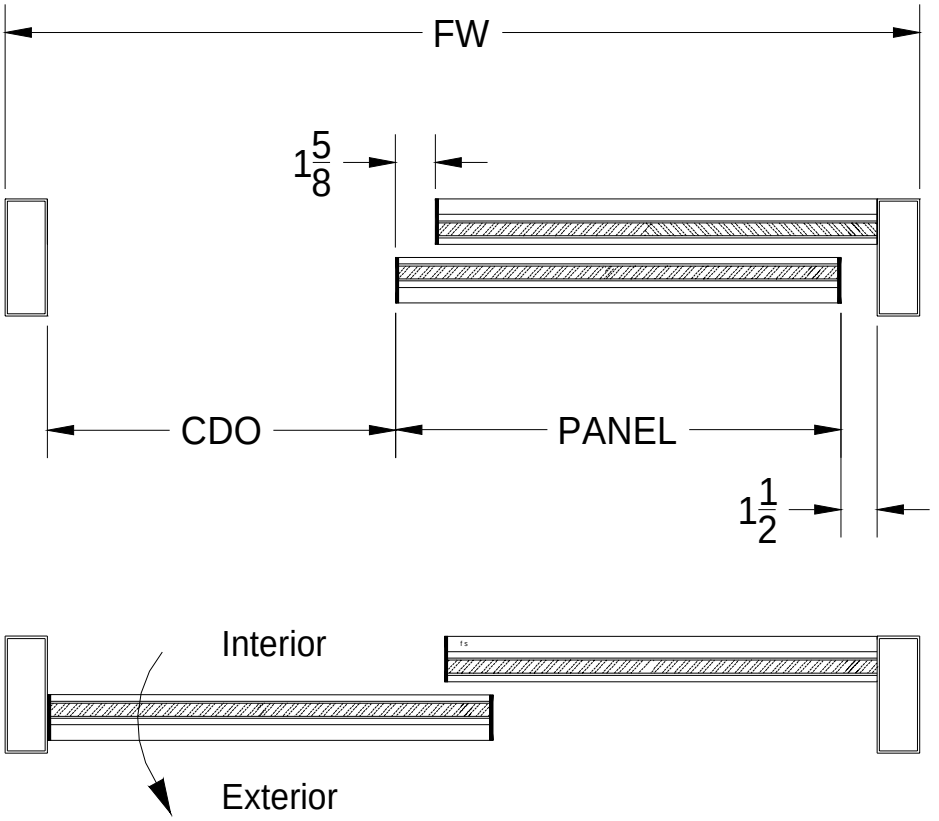
Calculation for Standard Clear Door Opening for a given Frame Width

PANEL = (FW + ½") ÷ 4"

CDO = (FW - 2") x (PANEL) - 7"

*Note: Panels are the same size for door and sidelite on a standard All Glass Slider.

1175 All Glass Single



Calculation for Standard Clear Door Opening for a given Frame Width

PANEL = (FW – 1 ½”) ÷ 2”

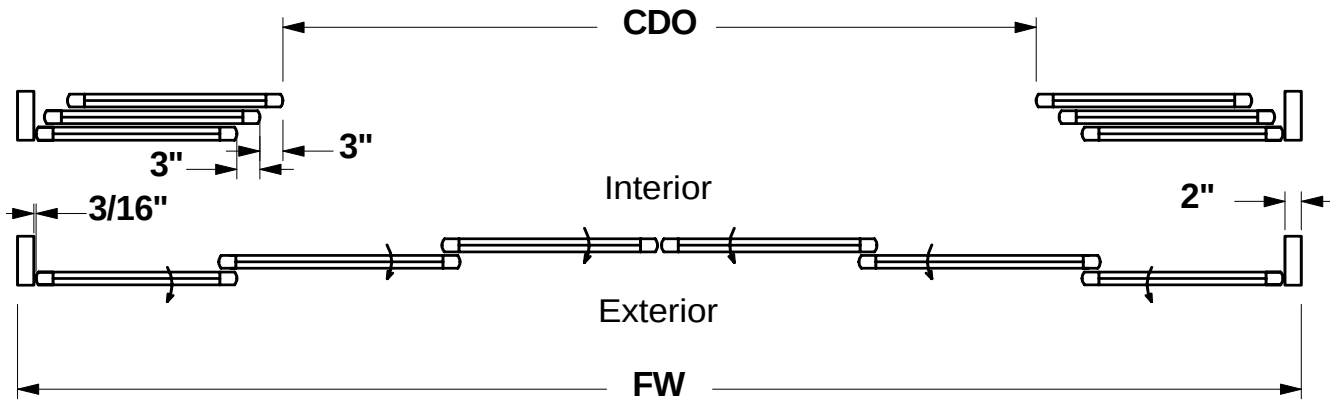
CDO = (FW – PANEL) – 5 ¼”

*Note: Panels are the same size for door and sidelite on a standard All Glass Slider.

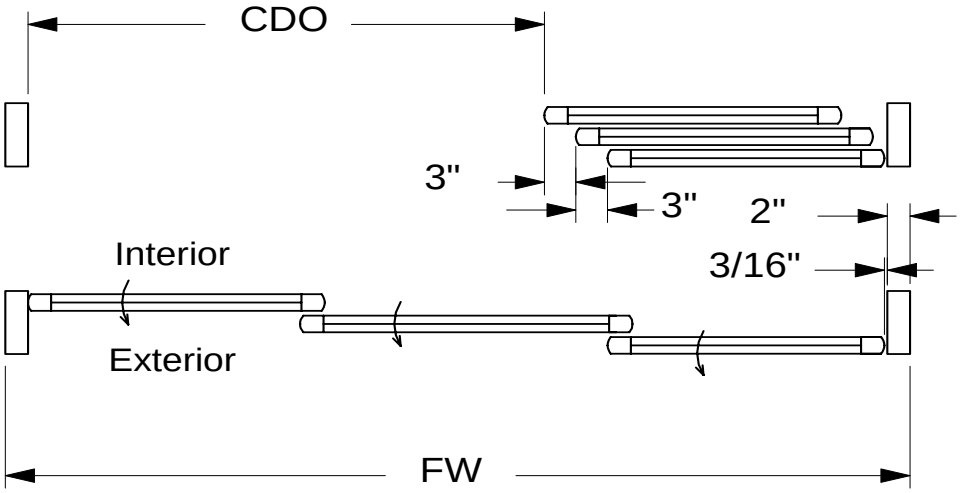
1175 Telescopic FO Units

Calculation of Maximum Clear Door Opening for a Given Frame Width

These equations will give you the Maximum Clear Door Opening within 1/16”



$$CDO = (\frac{2xFW}{3}) - 15$$ (Bi-Part Only)

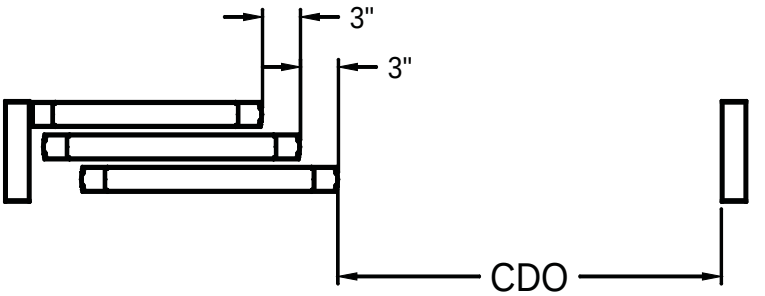


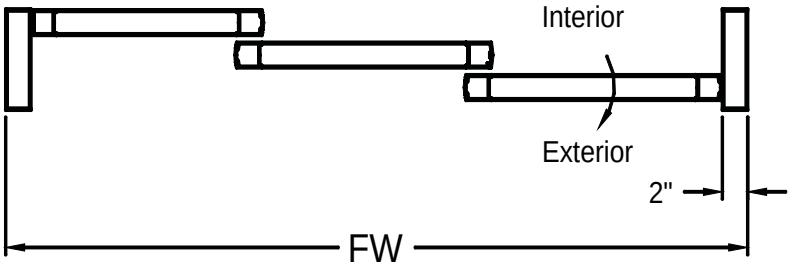
$$CDO = (\frac{2xFW}{3}) - 8.875$$ (Singles Only)

1175 Telescopic FSL Units

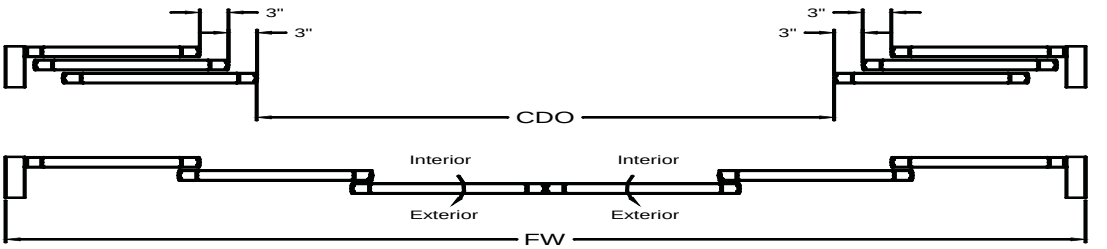
Calculation of Maximum Clear Door Opening for a Given Frame Width

These equations will give you the Maximum Clear Door Opening within 1/16”





$$CDO = (\frac{2xFW}{3}) - 8.875$$ (Singles Only)



$$CDO = (\frac{2xFW}{3}) - 15$$ (Bi-Part Only)