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## General Information

## Glass Size Information (*Use Safety Glass)

Glass sizes are based on the use of a Tubelite standard threshold, top rail, and bottom rail. Special conditions, project requirements, local codes and/or special hardware may require a top or bottom rail with a face dimension greater than standard.
Contact a Tubelite manufacturing facility for assistance in determining glass sizes for non-standard doors.


| Custom Size Doors - 1/4" Glass (D.O. = Door Opening) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Glass Size for Offset Pivots |  | Glass Size for | Glass Size for Continuous |
|  |  |  | / Continuous Hinges | Center Pivot | Hinges Non-Rabbet Stiles |
| Narrow Stile |  |  |  |  |  |
| Height Single\&Pairs = |  |  | D.O. - 7 7/16" | D.O. - 7 7/16" | D.O. - 7 7/16" |
| Width | Single | $=$ | D.O. - 4 15/16" | D.O. - ${ }^{\prime \prime}$ | D.O. - $57 / 32$ " |
| Width | Pairs | = | [D.O. $\div 2]-4$ 15/16" | [D.O. $\div 2]-415 / 16 "$ | [D.O. $\div 2]-57 / 32^{\prime \prime}$ |
| Medium Stile |  |  |  |  |  |
| Height |  | = | D.O. - 11 13/16" | D.O. - 11 13/16" | D.O. - 11 13/16" |
| Width | Single | = | D.O. - $811 / 16{ }^{\prime \prime}$ | D.O. - $83 / 4^{\prime \prime}$ | D.O. - $831 / 32$ " |
| Width | Pairs | $=$ | [D.O. $\div 2]-811 / 16^{\prime \prime}$ | [D.O. $\div 2]-811 / 16^{\prime \prime}$ | [D.O. $\div 2]-831 / 32^{\prime \prime}$ |
| Wide Stile |  |  |  |  |  |
| Height |  | = | D.O. - 12 13/16" | D.O. - 12 13/16" | D.O. - 12 13/16" |
| Width | Single | $=$ | D.O. - 10 11/16" | D.O. - 10 3/4" | D.O. - 10 31/32" |
| Width | Pairs | $=$ | [D.O. $\div 2]-1011 / 16^{\prime \prime}$ | [D.O. $\div 2]-1011 / 16^{\prime \prime}$ | [D.O. $\div 2]$ - $1031 / 32^{\prime \prime}$ |

Note: For $1^{1 "}$ glass thickness subtract $1 / 2^{\prime \prime}$ from dimensions for $1 / 4^{" 1}$ glass thicknesses.

## Standard Doors with Top or Bottom Rail Substitutions

To determine glass sizes for doors with top or bottom rail substitutions, deduct the difference between the standard rail face dimension and the face dimension of the one substituted from the standard glass size. Listed below are the standard top and bottom rail dimensions (rail only, no glass stops):

| Door | Top Rail | Bottom Rail |  | Vertical Stile |
| :--- | :--- | :--- | :--- | :--- |
|  | $21 / 8^{\prime \prime}$ | $4^{\prime \prime}$ |  | $21 / 8^{\prime \prime}$ |
| Medium Stile | $4^{\prime \prime}$ | $61 / 2^{\prime \prime}$ | $4^{\prime \prime}$ |  |
| Wide Stile | $5^{\prime \prime}$ | $61 / 2^{\prime \prime}$ | $5^{" 1}$ |  |

## Clearances

| Single Door - | Butt Hinges/Offset Pivots | 1/16" @ Hinge | 1/8" @ Lock Jamb |
| :---: | :---: | :---: | :---: |
|  | Continuous Gear Hinges | 1/16" @ Hinge** | 1/8" @ Lock Jamb |
|  | Center Pivots | 1/8" @ Hinge | 1/8" @ Lock Jamb |
| Pairs of Doors | - Butt Hinges/Offset Pivots | 1/16" @ Hinge | 1/8" @ Meeting Stile |
|  | Continuous Gear Hinges | 1/16" @ Hinge** | 1/4" @ Meeting Stile |
|  | Center Pivots | 1/8" @ Hinge | 1/4" @ Meeting Stile |

**Using standard rabbet hinge stile. Use 11/32" if using beveled hinge stile with continuous hinges.

[^0]
## Glass Size Information (*Use Safety Glass)

Glass sizes are based on the use of a Tubelite standard threshold, top rail, and bottom rail. Special conditions, project requirements, local codes and/or special hardware may require a top or bottom rail with a face dimension greater than standard.
Contact a Tubelite manufacturing facility for assistance in determining glass sizes for non-standard doors.
Narrow Stile 2" x 3" Monumental Doors - 1/4" Glass

| Glass Size for <br> Butt Hinges/Offset Pivots | Glass Size for <br> Center Pivots | Glass Size for <br> Continuous Hinges |
| :--- | :--- | :--- |
| $295 / 16^{\prime \prime} \times 733 / 16^{\prime \prime}$ | $291 / 4^{\prime \prime} \times 733 / 16^{\prime \prime}$ | $291 / 32^{\prime \prime} \times 733 / 16^{\prime \prime}$ |
| $355 / 16^{\prime \prime} \times 733 / 16^{\prime \prime}$ | $351 / 4^{\prime \prime} \times 733 / 16^{\prime \prime}$ | $351 / 32^{\prime \prime} \times 733 / 16^{\prime \prime}$ |
| $293 / 8^{\prime \prime} \times 733 / 16^{\prime \prime}$ | $295 / 16^{\prime \prime} \times 733 / 16^{\prime \prime}$ | $291 / 16^{\prime \prime} \times 733 / 16^{\prime \prime}$ |

Custom Size Monumental Doors - 1/4" Glass (D.O. = Door Opening)

| Glass Size for | Glass Size for | Glass Size for |
| :--- | :--- | :--- |
| Butt Hinge/Offset Pivot | Center Pivot | Continuous Hinges |

Narrow Stile (3") 3 1/2" Top Rail, $6^{\prime \prime}$ bottom rail
Height Single\&Pairs =
D.O. minus(-) 10 13/16"
D.O. - 10 13/16"
D.O. - 10 13/16"
Width
Single $=$
D.O. - 6 11/16"
D.O. - $63 / 4^{\prime \prime}$
D.O. - $631 / 32^{\prime \prime}$
Pairs =
[D.O. $\div 2]-65 / 8 "$
[D.O. $\div$ 2] - 6 11/16"
[D.O. $\div 2]-6$ 15/16"

Medium Stile (4 1/2") , 6 " bottom rail
Height
$=$ D.O. - 11 13/16"
D.O. - 11 3/16"
D.O. - 11 13/16"
Width
Single $=$
D.O. - 9 11/16"
D.O. - 9 3/4"
D.O. - 9 31/32"
Pairs =
[D.O. $\div 2]-95 / 8 "$
[D.O. $\div 2]-9$ 11/16"
[D.O. $\div$ 2] - 9 15/16"

Wide Stile (6") 10 " bottom rail
Height
$=$ D.O. - $175 / 16^{\prime \prime}$
D.O. - 17 5/16"
D.O. - 17 5/16"
Width
Single $=$ D.O. $-1211 / 16^{\prime \prime}$
D.O. - 12 3/4"
D.O. - 12 31/32"
Pairs =
[D.O. $\div 2]-125 / 8^{\prime \prime}$
[D.O. $\div 2$ 2] - 12 11/16"
[D.O. $\div 2$ 2] - 12 15/16"

Note: For $1^{\prime \prime}$ glass thickness subtract $1 / 2^{\prime \prime}$ from dimensions for $1 / 4^{\prime \prime}$ glass thicknesses.

## Monumental Doors with Top or Bottom Rail Substitutions

To determine glass sizes for doors with top or bottom rail substitutions, deduct the difference between the standard rail face dimension and the face dimension of the one substituted from the standard glass size. Listed below are the standard top and bottom rail dimensions (rail only, no glass stops):

| Door | Top Rail |  | Bottom Rail |  |
| :--- | :--- | :--- | :--- | :--- |
| Narrow Stile | $31 / 2^{\prime \prime}$ |  | $6^{\prime \prime}$ Vr $10^{\prime \prime}$ |  |
| Medium Stile | $41 / 2^{\prime \prime}$ | $6^{\prime \prime}$ or $10^{\prime \prime}$ | $41 / 2^{\prime \prime}$ |  |
| Wide Stile | $6^{\prime \prime}$ | $10^{\prime \prime}$ | $6^{\prime \prime}$ |  |

## Clearances

| Single Door - | Butt Hinges/Offset Pivots | 1/16" @ Hinge | 1/8" @ Lock Jamb |
| :---: | :---: | :---: | :---: |
|  | Continuous Gear Hinges | 1/16" @ Hinge** | 1/8" @ Lock Jamb |
|  | Center Pivots | 1/8" @ Hinge | 1/8" @ Lock Jamb |
| airs of Doors | - Butt Hinges/Offset Pivots | 1/16" @ Hinge | 1/8" @ Meeting Stile |
|  | Continuous Gear Hinges | 1/16" @ Hinge** | 1/4" @ Meeting Stile |
|  | Center Pivots | 1/8" @ Hinge | 1/4" @ Meeting Stile |

**standard rabbet hinge stile. Use $11 / 32$ " if using beveled hinge stile with continuous hinge.
*Note: All entrance doors and/or adjacent sidelights should use tempered or laminated safety glass. Please check local or state codes governing the use of glass in entrances to determine the exact location and type of safety glass required.

## General Information

## Custom Thermal Doors \& Frames (*Use Safety Glass)

Glass sizes are based on the use of a Tubelite standard threshold, top rail, and bottom rail. Contact a Tubelite manufacturing facility for assistance in determining glass sizes for non-standard doors.

## Standard Size Doors 1" Glass Size

| Medium Stile |  | Wide Stile |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Glass Size for Offset Pivots |  |  | Glass Size for Offset Pivots |
| Door Size | Butt / Continuous Hinges | Door Size |  | Butt / Continuous Hinges |
| D36 3'-0' $\times$ 7'-0" (1) | 26 13/16" x 68 1/16" | D36 3'-0" $\times$ 7 ${ }^{\prime}-0{ }^{\prime \prime}$ | (1) | 24 13/16" $\times 67$ 1/16" |
| D42 $3^{\prime}-6{ }^{\prime \prime} \times 7^{\prime}-0{ }^{\prime \prime}$ (1) | 32 13/16" x 68 1/16" | D42 3'-6" $\times 7^{\prime}-0{ }^{\prime \prime}$ | (1) | 30 13/16" x 67 1/16" |
| D72 6'-0" x 7'-0" (2) | 26 13/16" x 68 1/16" | D72 6'-0" $\times 7^{\prime}-0{ }^{\prime \prime}$ | (2) | 24 13/16" x 67 1/16" |
| Custom Size Doors - 1" Glass (D.O. = Door Opening) |  |  |  |  |
| Medium Stile |  | Wide Stile |  |  |
|  | Glass Size for Offset Pivots |  |  | Glass Size for Offset Pivots |
| Door Size | Butt / Continuous Hinges | Door Size |  | Butt / Continuous Hinges |
| Height Single/Pairs= | D.O. - 15 15/16" | Height Single/P |  | D.O. - 16 15/16" |
| Width Single = | D.O. - 9 3/16" | Width Single |  | D.O. - $113 / 16^{\prime \prime}$ |
| Width Pairs = | [D.O. $\div 2]-93 / 16{ }^{\prime \prime}$ | Width Pairs | = | [D.O. $\div 2]-113 / 16{ }^{\prime \prime}$ |

## Standard Doors with Top or Bottom Rail Substitutions

To determine glass sizes for doors with top or bottom rail substitutions, deduct the difference between the standard rail face dimension and the face dimension of the one substituted from the standard glass size. Listed below are the standard top and bottom rail dimensions (rail only, no glass stops):

| Door | Top Rail | Bottom Rail | Vertical Stile |
| :--- | :--- | :--- | :--- |
|  | $4^{\prime \prime}$ | $10^{\prime \prime}$ | $4^{\prime \prime}$ |
| Wide Stile | $5^{\prime \prime}$ | $10^{\prime \prime}$ | $5^{\prime \prime}$ |

## Clearances

Single Door - Butt Hinges/Offset Pivots 1/16" @ Hinge Stile 1/8" @ Lock Jamb \& Continuous Gear Hinges

Pairs of Doors - Butt Hinges/Offset Pivots 1/16" @ Hinge Stile 1/8" @ Meeting Stile \& Continuous Gear Hinges

Transom Glass - 1" Glass (D.L.O. = Day Light Opening)
Height Single/Pairs $=$ D.L.O. $+3 / 4^{\prime \prime}$ MAX.
Width Single/Pairs = D.L.O. $+3 / 4^{\prime \prime}$ MAX.
Glass Size = Day Light Opening plus 3/4" maximum. Critical dimension.
Note: Transom areas use snap-in stops at the jambs, and a removable stop at the head. Always measure from the gasket reglet, not necessarily from the edge of main members.

[^1]
### 1.05 General Information

## Glass Size Information (*Use Safety Glass)

Glass sizes are based on the use of a Tubelite standard threshold, top rail, and bottom rail. Special conditions, project requirements, local codes and/or special hardware may require a top or bottom rail with a face dimension greater than standard.

Contact a Tubelite manufacturing facility for assistance in determining glass sizes for non-standard doors.

## 4500 Flush Glaze Framing

Glass size = Day Light Opening + 5/8" (9/16" when using E4540)
Note: Transom areas use snap-in glass stops at the base and recessed pockets at the head and jambs. Always measure from the gasket reglet, not necessarily from the main member.

## 14000 Flush Glaze Framing

14000 I/O Flush Glaze Framing

## TU24000 Flush Glaze Framing

## TU24650 Flush Glaze Framing

Glass size $=$ Day Light Opening $+5 / 8^{\prime \prime}$
Note: Transom areas use snap-in glass stops at the base and recessed pockets at the head and jambs. Always measure from the gasket reglet, not necessarily from the main member.

300ES Curtainwall Framing
Glass size = Day Light Opening + 7/8"

## VersaTherm Framing

900 Ribbon Window
200 Curtainwall
400 Curtainwall - CW, SS, IG, TU
Glass size $=$ Day Light Opening $+1^{\prime \prime}$

ForceFront Blast 34000

## ForceFront Blast Curtainwall

ForceFront Storm 44000
ForceFront Storm 34000
ForceFront Storm Curtainwall
Glass size = Day Light Opening + 11/4"


[^0]:    *Note: All entrance doors and/or adjacent sidelights should use tempered or laminated safety glass. Please check local or state codes governing the use of glass in entrances to determine the exact location and type of safety glass required.

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