

Measurement Guide

for 400 Series Woodwright® and Tilt-Wash Double-Hung & Picture Insert Windows

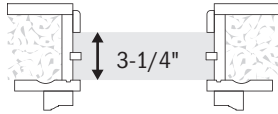
Thank you for choosing Andersen.

For questions call 1-888-888-7020 Monday - Friday, 7 a.m. to 7 p.m. and Saturday, 8 a.m. to 4 p.m. central time. For more information and/or guides visit andersenwindows.com.

- ▶ **Read this measurement guide from beginning to end before beginning. Read all warnings and cautions during unit installation.**
- ▶ **Read and follow product installation guide for installation instructions.**

Before Measuring:

- ▶ If any rotten wood on the frame of the original window cannot be repaired or replaced, opening will not be suitable for insert window replacement.
- ▶ Existing opening must be plumb, level and square. If not, adjustments must be made to window size when ordering.
- ▶ Make sure a 3-1/4" wide pocket exists or can be created for insert window.

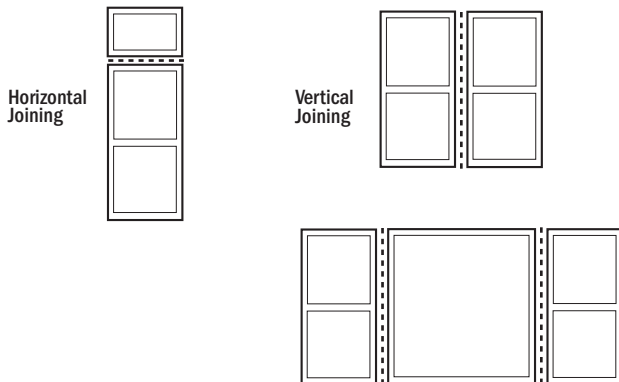


Measuring Information:

- ▶ Record measurements on "Measurement Worksheet".
- ▶ Describe window locations clearly and record measurements to nearest 1/8" when recording measurements.
- ▶ Measure each window even if they appear the same size.

Joined Combinations:

- ▶ Woodwright® and tilt-wash insert windows can only be joined in 1-way combinations as shown below.



1

Interior

Tape Measure

Measure from wood side jamb to wood side jamb.

Side Jamb

Side Jamb

Exterior

Lower sash not shown for clarity.

Double-Hung Window

Tape Measure

Measure from wood side jamb to wood side jamb.

Side Jamb

Side Jamb

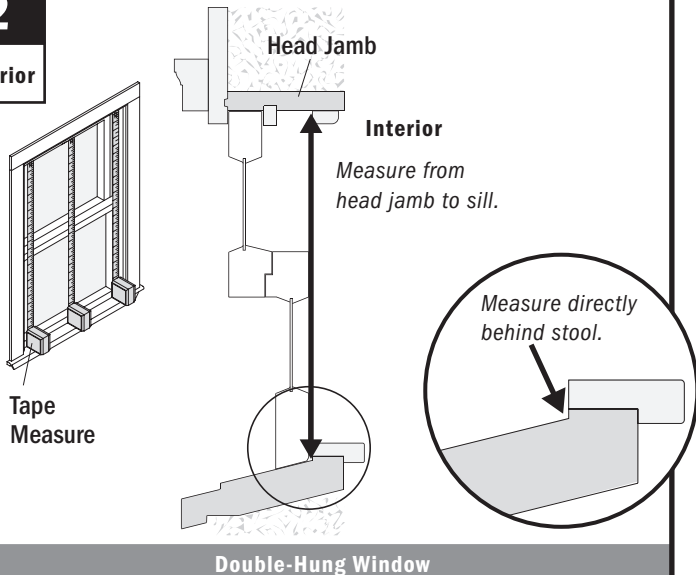
Exterior

Picture Window

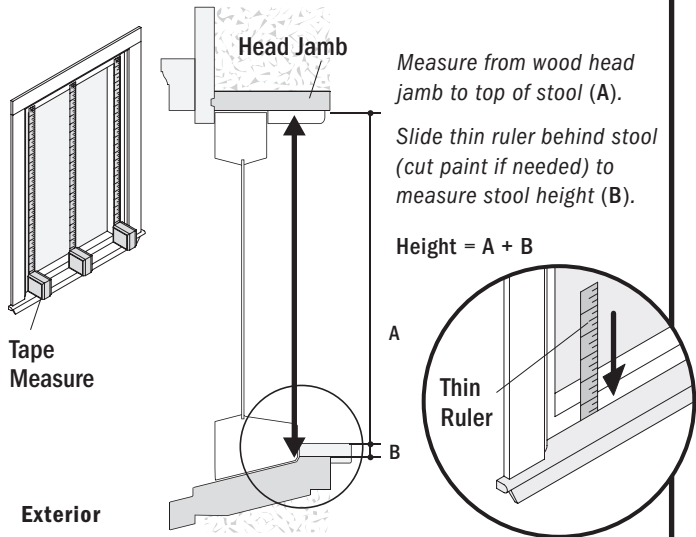
Measure from side jamb to side jamb at bottom, middle, and top of window. Record smallest width on worksheet.

2

Interior



Double-Hung Window

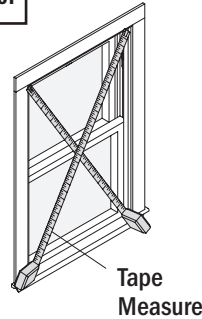


Picture Window

Measure from top of sill, just behind stool, to underside of head jamb at sides and middle. Record smallest height on worksheet.

3

Interior

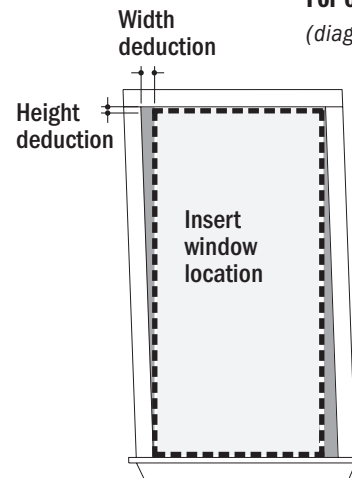


For square opening:
(diagonals within 1/8")

Select on worksheet:

☒ Standard deduction

Insert window will be built 3/8" narrower than opening width in **1** and 1/4" shorter than opening height in **2** to provide installation clearance.



For out-of-square opening:
(diagonals not within 1/8")

Size insert window to provide clearance for level and square installation.

Select on worksheet:

☒ Non-standard deduction

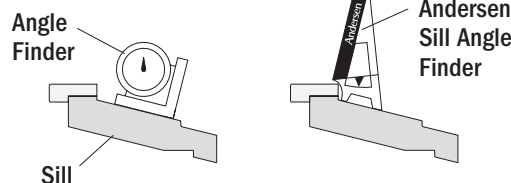
Record desired insert unit dimensions on worksheet.

Measure from corner to corner. Square openings use standard deductions and out-of-square use non-standard deductions (determined by you) to provide clearance during installation.

4

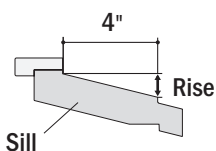
Method 1

Use a sill angle finder.



Method 2

Measure rise over 4". Find sill angle on table.

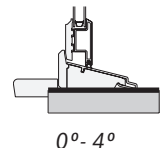


Rise	1/16"	1/8"	3/16"	1/4"	3/8"	7/16"	1/2"
Angle	1°	2°	3°	4°	5°	6°	7°
Rise	9/16"	5/8"	11/16"	3/4"	7/8"	15/16"	1"
Angle	8°	9°	10°	11°	12°	13°	14°
Rise							1-1/16"
Angle							15°

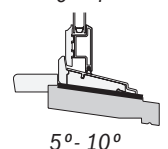
Measure angle of existing sill using Method 1 or Method 2. Record angle rounded to the nearest degree on worksheet.

5

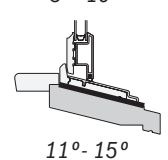
0° Flat



8° Moderate



14° Steep






















Based on step 4, choose sill angle on worksheet.

Measurement Worksheet

for Andersen® 400 Series Woodwright® and Tilt-Wash Double-Hung and Picture Insert Window

Customer

NAME _____	PHONE _____
ADDRESS _____	E-MAIL _____
CITY/STATE/ZIP _____	ORDER DATE _____

Window Location	example: bathroom		Window #	_____ of _____	
Existing Opening & window size <input type="radio"/> Single window <input type="radio"/> Part of joined combination (sketch joined)	existing opening		new insert window		
	STEP 1 Smallest measured width (to nearest 1/8") _____ (width)	STEP 2 Smallest measured height (to nearest 1/8") _____ (height)	STEP 3 (check only one) <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="radio"/> Standard deduction Insert window will be 3/8" less in width and 1/4" less in height than recorded in 1 & 2. _____ x _____ (width) (height) </div> <div style="width: 48%;"> <input type="radio"/> Non-standard deduction Record desired insert unit dimension below to the nearest 1/8": _____ x _____ (width) (height) </div> </div>		
Sill Angle double-hung and picture only	STEP 4 Measured sill angle: _____		STEP 5 Choose sill angle: <input type="radio"/> 0° (0° - 4°) <input type="radio"/> 8° (5° - 10°) <input type="radio"/> 14° (11° - 15°)		
Window Style & Sash Ratio <input type="radio"/> Woodwright® <input type="radio"/> Tilt-Wash	<input type="radio"/> double-hung  equal  cottage  reverse cottage	<input type="radio"/> picture 	<input type="radio"/> transom  (typically joined to top of double-hung or picture window)	Quantity needed of this window type: _____	
Color & Finish	exterior <input type="radio"/> white <input type="radio"/> Terratone® <input type="radio"/> sandtone <input type="radio"/> forest green		interior <input type="radio"/> white <input type="radio"/> maple (Woodwright® only) <input type="radio"/> pine <input type="radio"/> oak (Woodwright® only)		
Glass Options	<input type="radio"/> non-tempered <input type="radio"/> Low-E4® glass <input type="radio"/> Low-E4® SmartSun™ glass <input type="radio"/> Low-E4® Sun glass <input type="radio"/> tempered				
Grille Style & Size	Divided Light  with spacer  no spacer  no spacer, removable interior		removable  removable interior only	Finelight™  between glass	
	<input type="radio"/> 3/4" <input type="radio"/> 7/8" <input type="radio"/> 1-1/8" <input type="radio"/> 2-1/4" (Woodwright® divided light only)		<input type="radio"/> 3/4" <input type="radio"/> 1"		
Grille Pattern	<input type="radio"/>  specified equal light sketch pattern →	<input type="radio"/>  9-lite prairie A	<input type="radio"/>  6-lite prairie (Woodwright® Only)	<input type="radio"/> custom sketch pattern →	<input type="radio"/> none
Insect Screens	<input type="radio"/> TruScene® <input type="radio"/> conventional		<input type="radio"/> half  <input type="radio"/> full  <input type="radio"/> white <input type="radio"/> Terratone® <input type="radio"/> sandtone <input type="radio"/> forest green		
Hardware	lock & keeper double-hung sash lift(s) (optional)				
	<input type="radio"/> Classic Series™ (stone color for wood interiors or white color for white interiors) <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> Estate™ <input type="radio"/> 1 <input type="radio"/> 2	Estate™ <input type="radio"/> bright brass  hand lift <input type="radio"/> antique brass <input type="radio"/> finger lift (pair) <input type="radio"/> polished chrome  <input type="radio"/> brushed chrome <input type="radio"/> oil rubbed bronze <input type="radio"/> satin nickel <input type="radio"/> distressed nickel <input type="radio"/> oil rubbed bronze <input type="radio"/> distressed bronze	traditional <input type="radio"/> bright brass  bar lift <input type="radio"/> antique brass <input type="radio"/> hand lift <input type="radio"/> polished chrome  <input type="radio"/> brushed chrome <input type="radio"/> oil rubbed bronze <input type="radio"/> satin nickel <input type="radio"/> white <input type="radio"/> oil rubbed bronze <input type="radio"/> stone <input type="radio"/> white <input type="radio"/> finger lift (pair) <input type="radio"/> stone <input type="radio"/> finger lift (pair)	Classic Series™ <input type="radio"/> sash lift <input type="radio"/> hand lift <input type="radio"/> finger lift (pair) <input type="radio"/> white <input type="radio"/> stone	

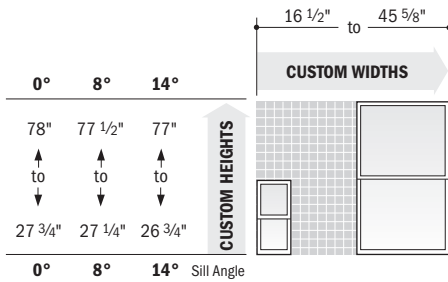
► See back side of worksheet for custom sizing tables.

Notes and sketches

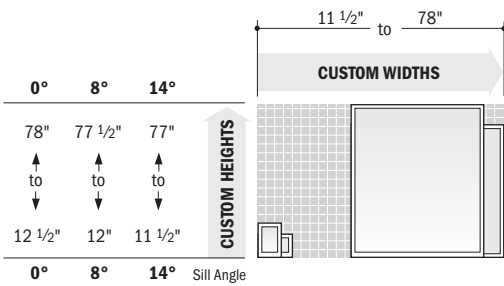
(sketch grille pattern)

Woodwright® Insert Window Size Ranges

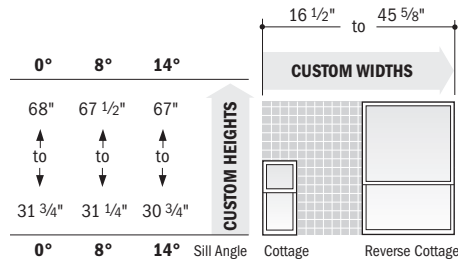
Double-Hung - Equal Sash



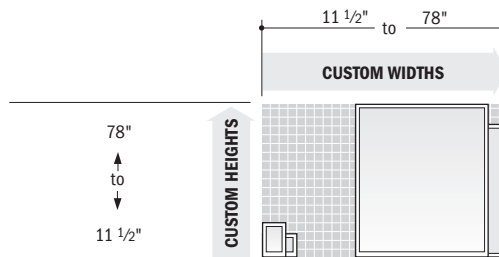
Picture



Double-Hung - Cottage & Reverse Cottage Sash



Transom



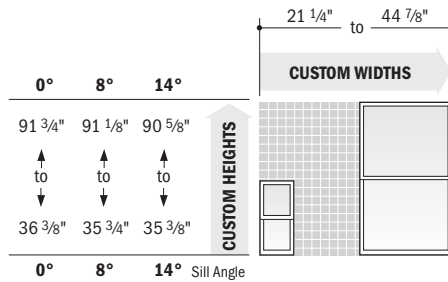
Custom size windows are available in 1/8" increments.

Height limits for double-hung and picture insert windows depend on new insert window sill angle.

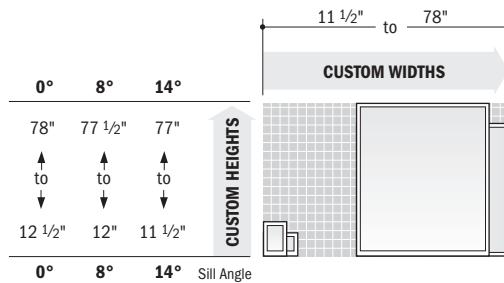
For picture and transom insert windows, either height or width must be 68" or less and height plus width cannot be less than 28".

Tilt-Wash Insert Window Size Ranges

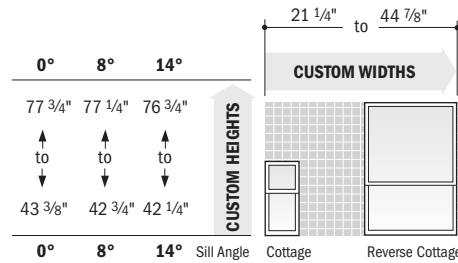
Double-Hung - Equal Sash



Picture



Double-Hung - Cottage & Reverse Cottage Sash



Transom

