

Please Read Before Getting Started

Hardware Application Information

Please be advised that the following is intended to assist in measuring to install INTEX Assembled Composite Shutters using the INTEX standard hardware kit. This method may not be applicable for all situations; there is a wide variety of geometries and circumstances based on region and style of the existing structure as well as builder preference that must be examined when determining a proper shutter installation.

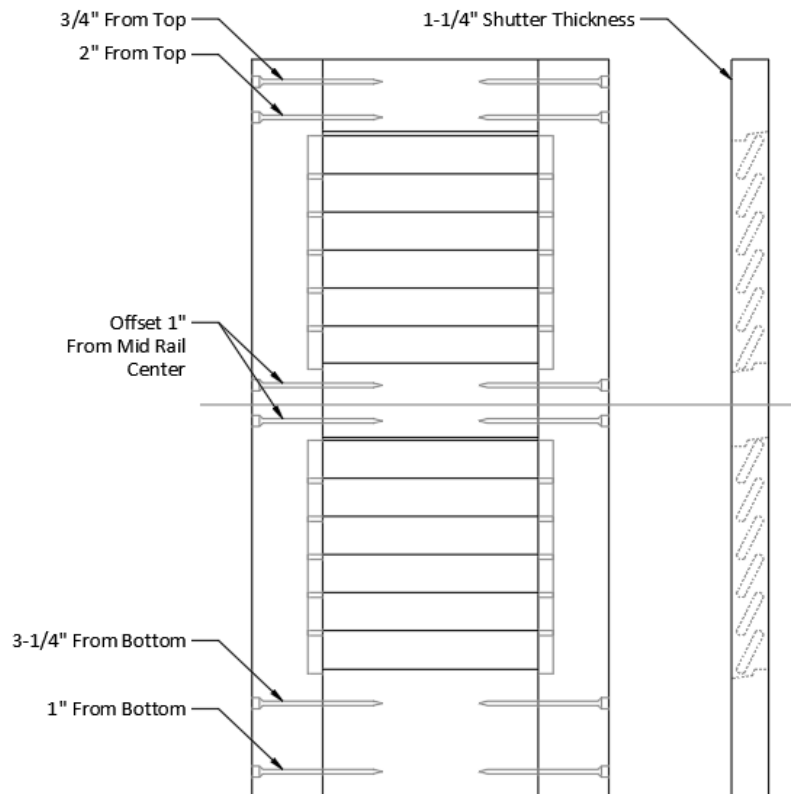
In the event that the INTEX standard hardware kit will not accommodate your particular scenario, please be advised that INTEX Shutters can also be installed using third-party hardware. Please note that INTEX Assembled Composite Shutter Products are not covered under warranty for mechanical failures when installed with third-party hardware. However, provided below are some considerations if third-party hardware is being used:

Assembly Screws

To ensure structural integrity, assembly screws are used to join the rails and stiles. Care should be taken so that any attachment hardware does not collide with these assembly screws during installation. Vertical positions of these assembly screws are noted to the right.

Hardware Screw Length

INTEX Assembled Shutters are all manufactured at 1-1/4" thick. It is important to use hardware screws which are long enough to support the shutter and short enough that they don't exit the rear face. INTEX recommends a minimum of 1" and a maximum of 1-1/4" for hardware screws.



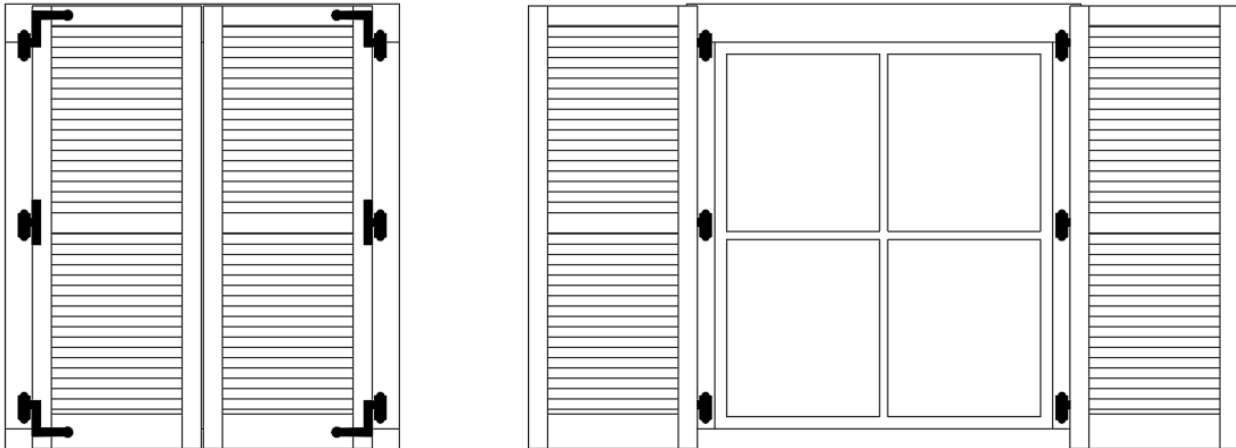
Measuring for Shutters

It is important to understand that the INTEX Standard Shutter Installation Hardware pack is designed to accommodate most installation scenarios, which will be referred to in this instruction as falling into one of two categories – **Surface Mount** or **Decorative Mount**.

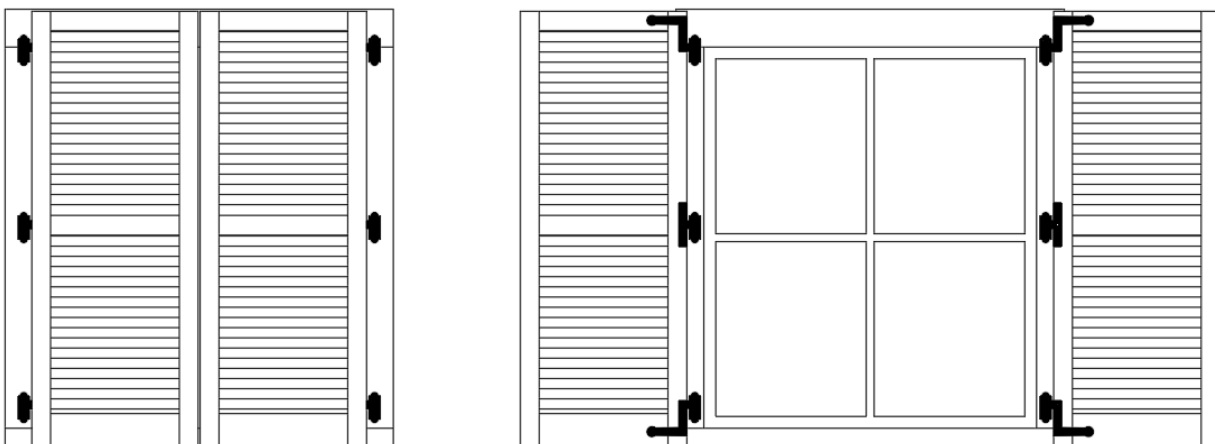
Surface Mount Installation involves mounting the hinge pintels directly to the window casing or surrounding facade so that the hinge straps are **visible** to an outside observer **when the shutters are closed over the window opening**. Surface mount also requires that there are no projections from the casing or facade such as decorative molding, as the shutters will close nearly flush with the mounting surface.

Decorative Mount Installation involves mounting the hinge pintles directly to the window casing or surrounding facade so that the hinge straps are **visible** to an outside observer **when the shutters are in the open position**. Decorative mount also allows for the shutter to close over features that project from the mounting surface up to 2”, such as brick mold or other decorative moldings or casings.

Surface Mount Application



Decorative Mount Application



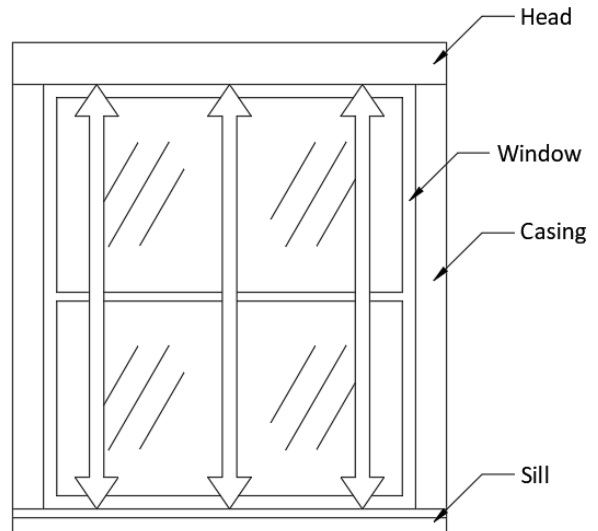
INTEX Measuring Instructions for Shutters with Standard Hardware

1. Finding the Shutter Height

a. Determine the opening which to measure. This should be the opening for the window itself and generally does not include the casing and surround head or sill. It is typically the opening between the surfaces that the pintels will be mounted to.

b. Measure the opening height at 3 points, taking the smallest to be the measured opening.

c. Depending on the shutter style and available sizes, take the next size down – at least $\frac{1}{4}$ " smaller – as the required shutter height. **Note: If measuring for louvered shutters, refer to the available louvered shutter make heights included at the end of this instruction.**

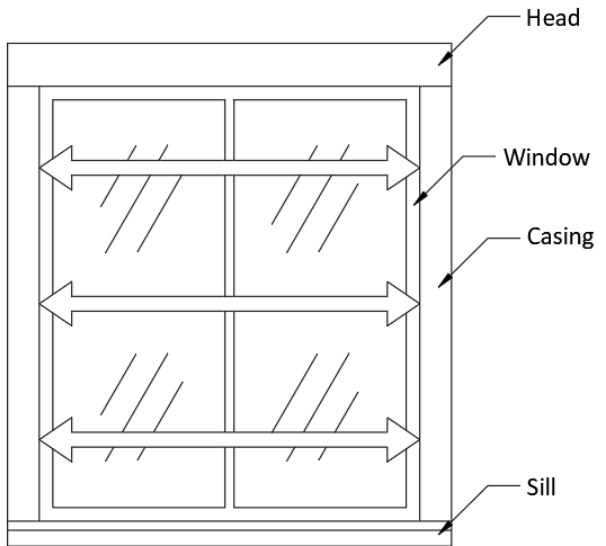


2. Find the Shutter Width

a. Determine the opening which to measure. This is typically the opening for the window itself and does not include the casing and surround head or sill. It is typically the opening between the surfaces that the pintels will be mounted to.

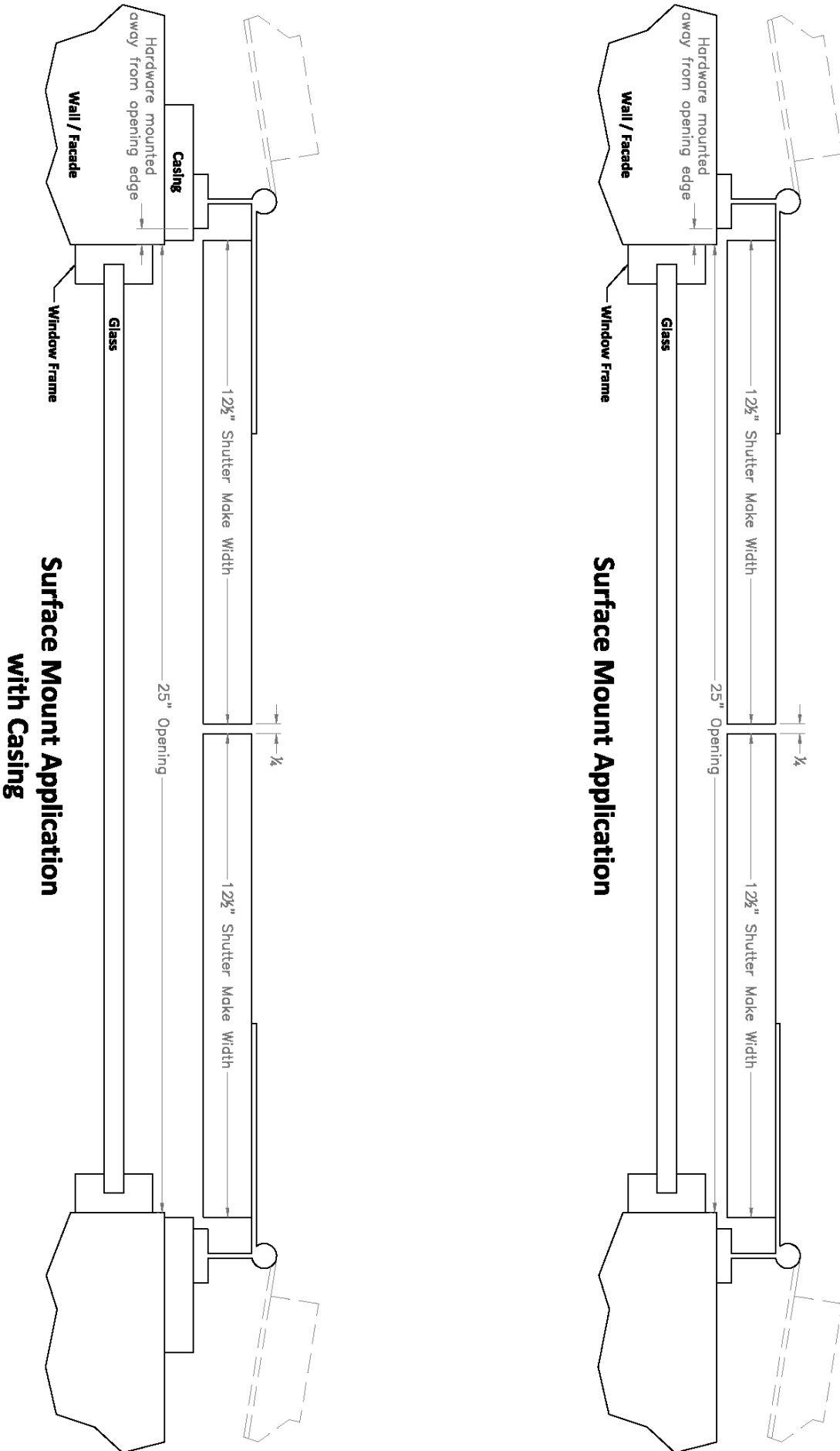
b. Measure the opening width at 3 points, taking the smallest measured opening.

c. Determine mounting method. The conditions on the sides of the window will determine which method(s) are applicable. See the examples at the end of this instruction to determine which method is best for your installation.

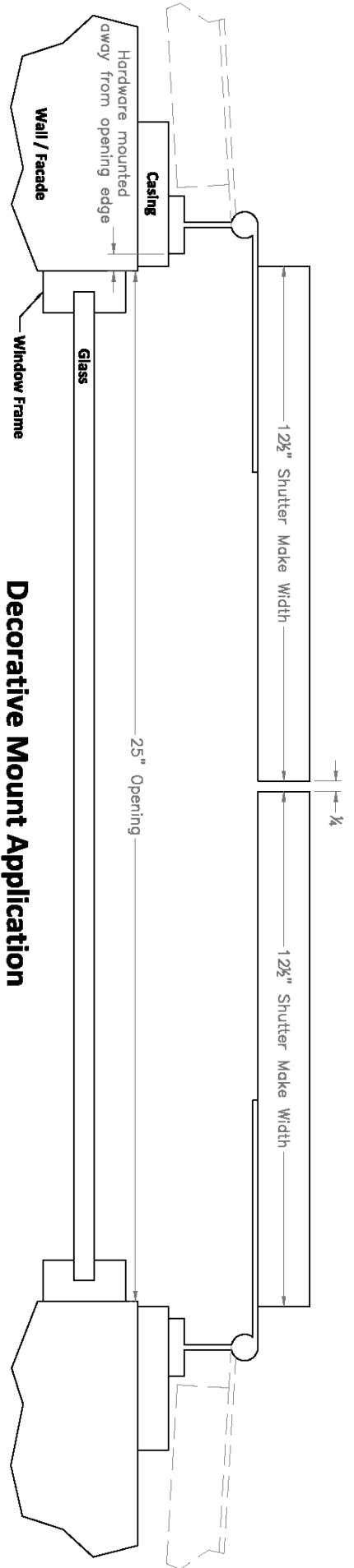


d. Based on your application, determine the best shutter make width. Typically, half of the opening size can be used. Shutter hardware will be mounted directly adjacent to the opening edge which will result in the shutters nearly touching at the center of the opening when closed. Verify that there is space on either side of the opening that the shutter mounting hardware can be moved out (away from the opening edge) to achieve the desired center gap (typically $\frac{1}{8}$ " to $\frac{1}{4}$ "). If so, it may be desirable to oversize shutters $\frac{1}{4}$ " in width and mount them an additional $\frac{1}{4}$ " from the opening edge. **See examples on the next pages for clarification.**

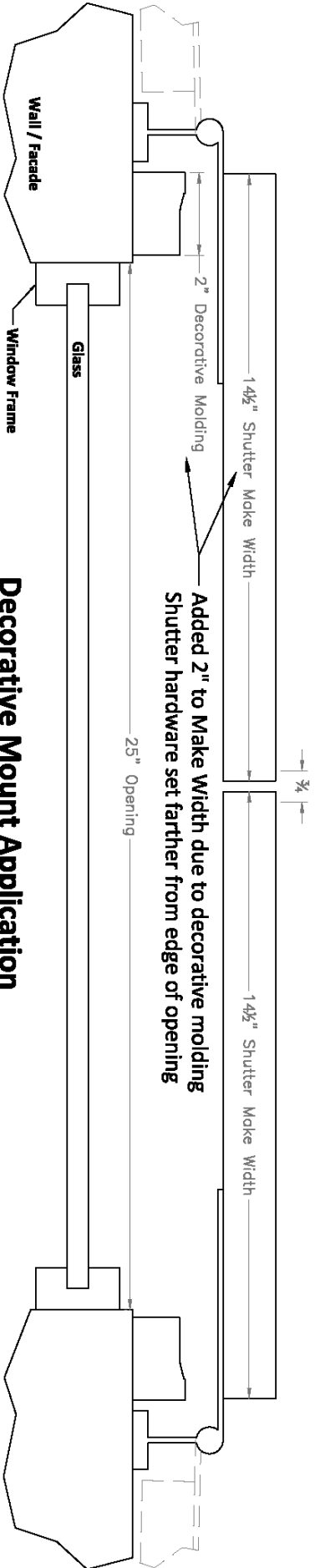
INTEX Measuring Instructions for Shutters with Standard Hardware



INTEX Measuring Instructions for Shutters with Standard Hardware



**Decorative Mount Application
with Casing**



**Decorative Mount Application
with Projecting Obstruction**

INTEX Measuring Instructions for Shutters with Standard Hardware

Louvered Shutter Available Make Heights

No Horns	With 3/4" Horns
24-7/8"	25-5/8"
26-3/16"	26-15/16"
27-7/16"	28-3/16"
28-3/4"	29-1/2"
30"	30-3/4"
31-5/16"	32-1/16"
32-9/16"	33-5/16"
33-7/8"	34-5/8"
35-1/8"	35-7/8"
36-7/16"	37-3/16"
37-11/16"	38-7/16"
39"	39-3/4"
40-1/4"	41"
41-9/16"	42-5/16"
42-13/16"	43-9/16"
44-1/8"	44-7/8"
45-3/8"	46-1/8"
46-11/16"	47-7/16"
47-15/16"	48-11/16"
49-1/4"	50"
50-1/2"	51-1/4"
51-13/16"	52-9/16"
53-1/16"	53-13/16"
54-3/8"	55-1/8"
55-5/8"	56-3/8"

No Horns	With 3/4" Horns
56-15/16"	57-11/16"
58-3/16"	58-15/16"
59-1/2"	60-1/4"
60-3/4"	61-1/2"
62-1/16"	62-13/16"
63-5/16"	64-1/16"
64-5/8"	65-3/8"
65-7/8"	66-5/8"
67-3/16"	67-15/16"
68-7/16"	69-3/16"
69-3/4"	70-1/2"
71"	71-3/4"
72-5/16"	73-1/16"
73-9/16"	74-5/16"
74-7/8"	75-5/8"
76-1/8"	76-7/8"
77-7/16"	78-3/16"
78-11/16"	79-7/16"
80"	80-3/4"
81-1/4"	82"
82-9/16"	83-5/16"
83-13/16"	84-9/16"
85-1/8"	85-7/8"
86-3/8"	87-1/8"
87-11/16"	88-7/16"

No Horns	With 3/4" Horns
88-15/16"	89-11/16"
90-1/4"	91"
91-1/2"	92-1/4"
92-13/16"	93-9/16"
94-1/16"	94-13/16"
95-3/8"	96-1/8"
96-5/8"	97-3/8"
97-15/16"	98-11/16"
99-3/16"	99-15/16"
100-1/2"	101-1/4"
101-3/4"	102-1/2"
103-1/16"	103-13/16"
104-5/16"	105-1/16"
105-5/8"	106-3/8"
106-7/8"	107-5/8"
108-3/16"	108-15/16"
109-7/16"	110-3/16"
110-3/4"	111-1/2"
112"	112-3/4"
113-5/16"	114-1/16"
114-9/16"	115-5/16"
115-7/8"	116-5/8"
117-1/8"	117-7/8"
118-7/16"	119-3/16"
119-11/16"	120-7/16"