

Custom Made Laptop Holders

Laptop computers are available in a large range of makes, models and configurations. It is not possible to have specific holders for each one, however in many cases a custom holder can be made using measurements of the specific laptop to be mounted. The purchaser must provide these measurements. A worksheet is available to help with this measurement step.


The Laptop Holder uses a cut-to-size polycarbonate plastic base plate attached to a Quick Release Plate (QRP1). Custom-bent stainless steel clips at suitable locations around the case of the laptop, and adhesive Velcro secure the computer. For this holder the purchaser must provide accurate sizes for the length and width of the laptop and for the height of the case at the potential clip locations.


The stainless steel clips are 1/2" to 1" wide and bent to overlap the edge of the computer case by 1/4" to 1/2", and fit firmly over the combined thickness of the base plate and computer case. Each clip is fastened to inserts in the plastic base with two small screws. The clips can be readily removed to take the laptop off the base plate (screwdriver required).

The laptop will be held most securely when there are four clips evenly spaced, this means there should be a clip near each corner of the case or a clip in the middle of each side. When clips can be placed on the front but not on the back the side clips should be placed close to the back. The opposite applies when clips are at the back but not the front.

Kensington Lock Option

Most laptops have a socket or two for a security cable to be installed. This socket is called a Kensington Lock and is a small slot, often with a padlock picture adjacent; the laptop manual should identify the location of any lock socket. Special clips can be made to secure laptop onto the holder using the Kensington Lock socket.

If the Kensington Lock runs HORIZONTAL –  measure the distance from the surface on which the laptop is resting to the CENTER of the socket.

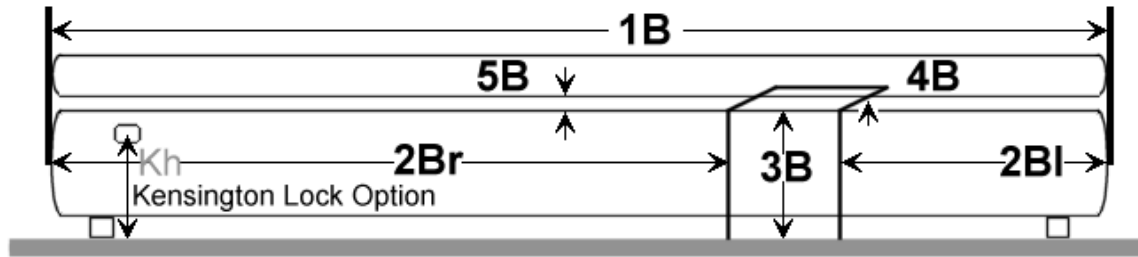
If the Kensington Lock runs VERTICAL –  measure the distance from the surface on which the laptop is resting to the BOTTOM of the socket.

Measurement Requirements for Custom made Laptop Holder

The numbers and letters show the position for the measurements that are required. Clips should be located in position that will not obstruct ports, jacks or anything that needs to be accessible when in use; they may be positioned over unused ports or partially over vents if necessary.

Right and Left are defined from the perspective of the User facing the screen.

BACK of the Laptop



1B _____

Measure the overall width of the laptop case to the outside curvature.

2Br _____

Measure the distance from the Right side of the laptop case to a location where a clip could be placed.

2Bl _____

Measure the distance from the Left side of the laptop case to a location where a clip could be placed.

3B _____

Measure the height from the surface on which the laptop is resting to the top of the laptop case. DO NOT include the screen in this measurement; the measurement is of the laptop body only.

4B _____

Measure the distance a clip may overlap onto the top edge of the laptop without obstructing keys.

5B _____

Measure the gap between the screen and laptop body. The stainless steel clip is approximately the thickness of a dime. If this gap is too small it will not be possible to overlap the back clip.

Kh _____ Measure the height to the socket. **Horizontal / Vertical** (circle one)

Kensington Lock Option – if available provide measurements 2Br and 2Bl from sides of the laptop to the location of the socket.

Kh-2Br _____

Kh-2Bl _____

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The laptop will be held most securely when there are four clips evenly spaced, this means there should be a clip near each corner of the case or a clip in the middle of each side. When clips can be placed on the front but not on the back the side clips should be placed close to the back. The opposite applies when clips are at the back but not the front.

Kensington Lock Option

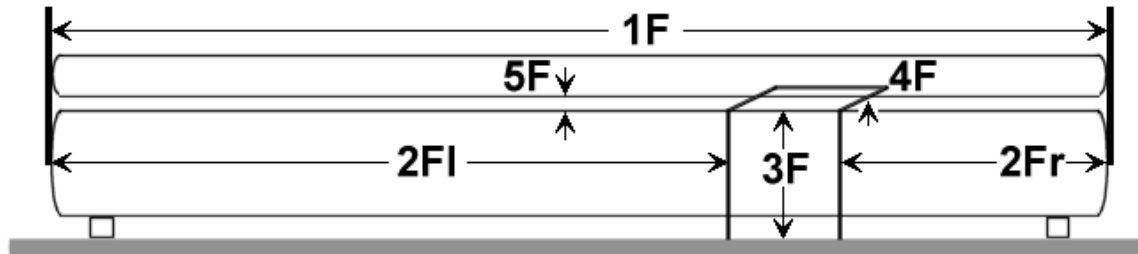
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If the Kensington Lock runs HORIZONTAL – measure the distance from the surface on which the laptop is resting to the CENTER of the

socket. If the Kensington Lock runs VERTICAL – measure the distance from the surface on which the laptop is resting to the BOTTOM of the socket.

FRONT of the Laptop

On the front of the laptop the best location for the clips is near each corner so they do not interfere with keyboard access. One central clip may be used when two are not possible.



1F _____

Measure the overall width of the laptop case to the outside curvature.

2Fr _____

Measure the distance from the Right side of the laptop case to a location where a clip could be placed.

2FI _____

Measure the distance from the Left side of the laptop case to a location where a clip could be placed.

3F _____

Measure the height from the surface on which the laptop is resting to the top of the laptop case. DO NOT include the screen in this measurement; the measurement is of the laptop body only.

4F _____

Measure the distance a clip may overlap onto the top edge of the laptop without obstructing keys.

5F _____

Measure the gap between the screen and laptop body. The stainless steel clip is approximately the thickness of a dime. If this gap is too small it will not be possible to overlap the front clip. A supplied Velcro strap runs through slots in the plastic plate of the laptop holder. The purpose of the strap is to secure the folded screen of the laptop when the front clips prevent the screen latch from locking. Clips that overlap may not be needed on the front if there are clips on both the Right and Left sides of the laptop located no more than 1/3 of the way from the front edge of the laptop.

When there will be no overlapping front clips it is recommended that a non-overlapping clip be placed along the front to act as a stop to prevent the laptop sliding forward in the holder. This clip will only need to come half way up the front. Measurements 5F and 4F will not be needed for a stop clip, only 1F, 2FI, 2Fr, and 3F are required.

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RIGHT side of the Laptop

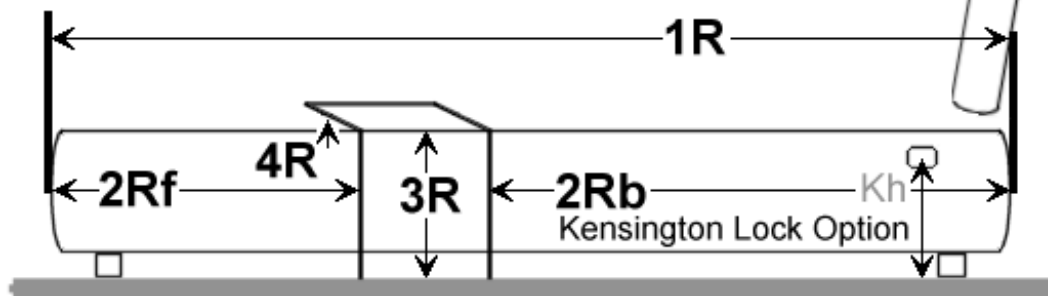
When clips can be placed at the front but not at the back the side clips should be placed close to the back. When clips can be placed at the back of the laptop but not the front the side clips should be placed near to the front.

1R _____

Measure the overall depth of the laptop front to back to the outside edge of any curvature.

2Rf _____

Measure the distance from the Front of the laptop case to a location where a clip could be placed.



2Rb _____

Measure the distance from the Back of the laptop case to a location where a clip could be placed.

3R _____

The height from the surface on which the laptop is resting the top of the laptop case; DO NOT include the screen in this measurement, the measurement is of the laptop body only.

4R _____

Measure the distance a clip may overlap onto the top edge of the laptop without obstructing keys.

Kh _____ Horizontal / Vertical (circle one)

Kensington Lock Option – if available

Provide measurements 2Rb and 2Rf from the back and front of the laptop to the location of the socket.

Kh-2Rf _____

Kh-2Rb _____

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If the Kensington Lock runs HORIZONTAL – measure the distance from the surface on which the laptop is resting to the CENTER of the socket. If the Kensington Lock runs VERTICAL – measure the distance from the surface on which the laptop is resting to the BOTTOM of the socket.

LEFT side of the Laptop

1L _____

Measure the overall depth of the laptop front to back to the outside edge of any curvature.

2Lf _____

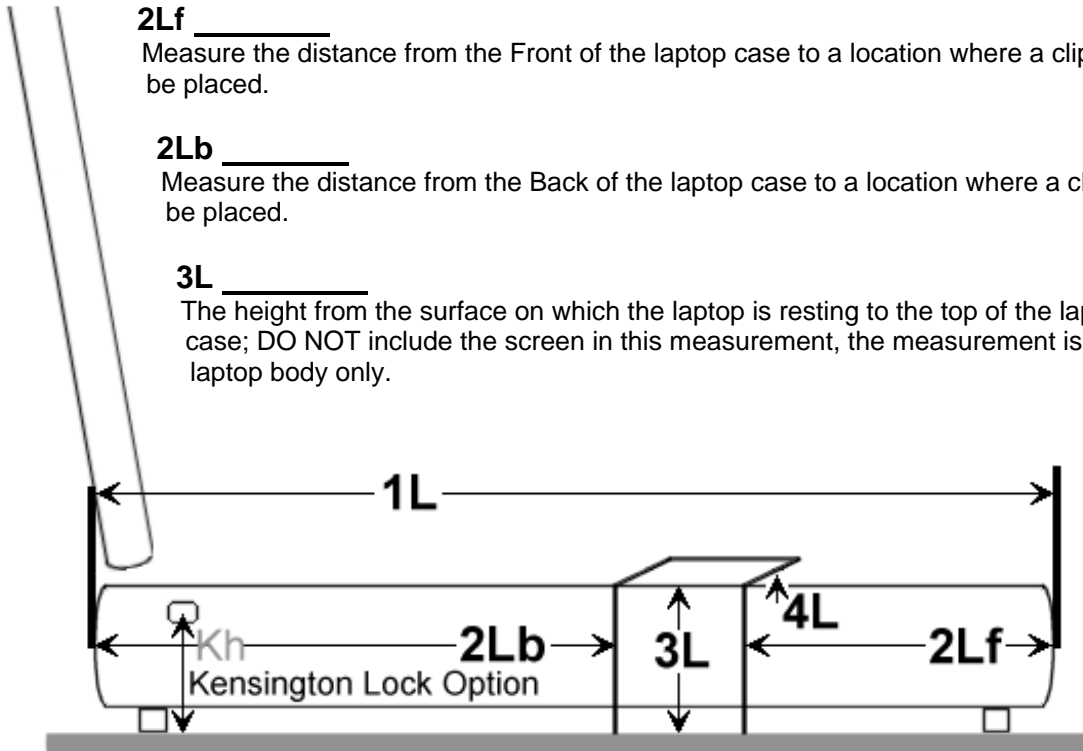
Measure the distance from the Front of the laptop case to a location where a clip could be placed.

2Lb _____

Measure the distance from the Back of the laptop case to a location where a clip could be placed.

3L _____

The height from the surface on which the laptop is resting to the top of the laptop case; DO NOT include the screen in this measurement, the measurement is of the laptop body only.



4L _____

Measure the distance a clip may overlap onto the top edge of the laptop without obstructing keys.

Kh _____ Horizontal / Vertical (circle one)

Kensington Lock Option – if available

Provide measurements 2Lb and 2Lf from the back and front of the laptop to the location of the socket.

Kh-2Lf _____

Kh-2Lb _____

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