EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

THE NEW DIRECTION OF EMBROIDERY TODAY, IS NOW AVAILABLE FOR THE PR-600

SETUP INSTRUCTIONS
YOUR CLAMPING SYSTEM IS SHIPPED TO YOU ASSEMBLED EXCEPT FOR ATTACHING THE SEWING WINDOW & UPPER CLAMPING FRAME TO THE CLAMP CHASSIS.

A SIMPLE MOUNTING BRACKET ADJUSTMENT TO FIT THE CLAMP TO YOUR MACHINE AND YOU’RE READY TO SEW.
Lowest profile clamping system

The revolutionary new EMS/HOOPTECH Slim Line Clamping System has the lowest profile of any embroidery clamp in the industry.

With a height of only 1” at its highest point, it fits easily under the needle bar and presser foot of the Brother PR-600, eliminating the worry of accidental contact with delicate areas of the embroidery machine.

The Slim Line Clamp will expand your embroidery possibilities.
**Set Up Overview**

To insure maximum performance from your Slim Line clamping system, the underside of the clamp body is designed to “ride” on a UHMW wear strip on top of the sewing arm.

The mounting bracket at the back of the clamp body must be adjusted so that the clamp is properly supported during sewing. This is a one time adjustment that is done when you first install the clamp on your machine.
Safety First

Before beginning any installation or set up procedures for the Slim Line Clamping System, make sure that the power to the PR-600 machine is **turned off** and that the power cord is unplugged.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Installation / Adjustment / Function

- INSTALLING THE UHMW WEAR STRIP
- DRIVE BAR - REMOVING THE HOOP SUPPORT ARM
- DRIVE BAR – READY FOR CLAMP INSTALLATION
- CLAMP MOUNTING BRACKET – INTRODUCTION
- BRACKET / DRIVE BAR INTERFACE
- MOUNTING SCREWS
- MOUNTING BRACKET ADJUSTMENT SCREWS
- CLAMP POSITION ADJUSTMENT
- SECURING THE MOUNTING BRACKET
- CHECKING THE FIT
- INSTALLING THE LOWER SEWING WINDOW
- INSTALLING THE UPPER CLAMP WINDOW
- OPENING & CLOSING
- LOADING AT THE MACHINE
- READY TO SEW
- APPLICATIONS

WARNING
The PR-600 does not recognize the sewing area of non-standard frames. Be sure to use the trial sewing function to check that the pattern fits within the sewing area.
Installing the UHMW wear strip

The UHMW wear strip is a thin flexible, peel & stick product that acts as a bearing surface for the clamp to ride on. To install, remove the blue protective film and position the tape so that it is centered on the top of the sewing arm. The front edge of the tape should be positioned to start at the back of the needle plate and run toward the back of the machine. Press the tape down so that it adheres to the top of the sewing arm. Properly installed, the tape will not interfere with normal sewing operations.
EMSS/ HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Drive Bar - removing the hoop support arms

To install the clamp on the PR600, the hoop support arm assembly must first be removed.

Loosen and remove both of the gray threaded knobs and lift off the metal arm support.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Drive Bar ready for clamp installation

This photo shows the drive bar, the alignment pins and the threaded holes for the gray plastic threaded knobs.
The Slim Line Clamp uses the existing mounting holes and the two alignment pins to locate and secure the clamp assembly to the PR600 drive bar.

(Note: there is one hole and one slot that is used for the alignment pins.)

The clamp mounting bracket is made adjustable by loosening (4) screws, (2) on either side of the base.
Bracket / Drive Bar Interface

Position the clamp mounting bracket over the two drive bar alignment pins so that one pin is in the round hole and one is in the slot.
Use the (2) existing gray plastic mounting screws to attach the mounting bracket to the drive bar of the PR600 machine.

Tighten to secure the clamp assembly to the machine.

The underside of the mounting bracket should rest on top of the PR600 drive bar.
With an allen wrench, loosen, (but do not remove), all (4) of the mounting bracket adjusting screws. This will allow the clamp & window set to “float” between the two sides of the mounting bracket.
Clamp Position Adjustment

Center the clamp body over the sewing arm and move it by hand toward the back of the machine.

With the assembled clamp in the “OPEN” position and all (4) mounting bracket screws well loosened, push down on the black window holding knob in the center of the clamp base unit. This will locate the clamp on top of the sewing arm.

The front edge of the bottom sewing window should not be down against the sewing arm at this time.
Clamp Position Adjustment

While holding down on the black knob, loosely tighten the (4) mounting bracket screws enough to hold the clamp in position. Check to see that the area directly under the window mounting knob is touching the top of the UHMW wear strip and that the front edge of the sewing window is still above the top of the sewing arm as shown.
Securing the Mounting Bracket

With the clamp in the proper position, tighten all (4) of the mounting screws and check alignment again. Re-adjust if necessary.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Checking the fit

Check the alignment after tightening the mounting screws.

BASE IS RIDING ON TOP OF SEWING ARM

WINDOW IS ABOVE TOP OF THE SEWING ARM WITH THE CLAMP IN THE “OPEN” POSITION
Checking the fit

With the clamp in the “CLOSED” position, the bottom sewing window should be horizontal and parallel with the top of the sewing arm as shown.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Checking the fit

With the clamp in the “CLOSED” position, the bottom sewing window should be in line with the top of the sewing arm as shown.

The Slim Line clamp is now ready to sew.
Installing the lower sewing window

The lower sewing window installs by loosening the black window holding knob and sliding the mounting tab under the (2) formed hooks & the black knob.

After sliding the window into place tighten the black holding knob.

NOTE: Upper & lower window installation is easier with the Slim Line clamping system not installed on the machine.
Installing the upper clamp window

With clamp in the “open” position, slide the upper clamp plate under the (2) spring arms and engage one of the “pivot lugs” in the center slot of the clamp plate. While holding the clamp plate on the lug, flex the other arm toward the middle of the clamp and engage the other side.
**Opening & Closing**

To operate the clamp, rotate the “open & close” lever, back and up to open, forward and down to close.

The lever arm should be rotated down only as far as necessary to clamp and lock the fabric. Rotating the handle too far past parallel with the bottom of the clamp body will eventually cause damage to the clamping mechanism.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

**Loading at the machine**

The clamp is designed to be quickly loaded and unloaded while installed on the machine. A benefit of loading at the machine is that you can instantly see if the garment or item is “lined up” correctly. If not, simply loosen the clamp and reposition.

Note: Rotate the clamping lever down only as far as necessary to clamp & lock the product for sewing.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Loaded and ready to sew

Slim Line Clamp shown loaded and ready to embroider.
There are (4) window sets available for the Slim Line Clamping System at this time, with new sizes to be released when they become available.

The upper and lower frame surfaces are covered with a high friction coating to hold the fabric in place during sewing.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Application – Lunch Bag

Loading an insulated lunch bag on the PR-600 with the Slim Line clamp installed

6x5 window set.
Sewing on the top flap.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Application – Lunch Bag

An insulated lunch bag shown loaded and ready to embroider on the top flap.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Application – Lunch Bag

Close up of clamp & sewing field.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Application – Back of Cap

A cap back shown loaded and ready to embroider.

5” round window set.

Notice the large sewing field.
EMS/HOOP TECH
SLIM LINE CLAMPING SYSTEM for BROTHER PR-600

Application – Back of Cap

Close up of clamp & sewing field.
Application – ID Holder

An ID / badge holder shown loaded and ready to embroider on the top edge.
The Slim Line Clamping System for the Brother PR-600.

New technology designed for embroiderers to help increase production and maximize the sewing locations available for embroidery designs.