



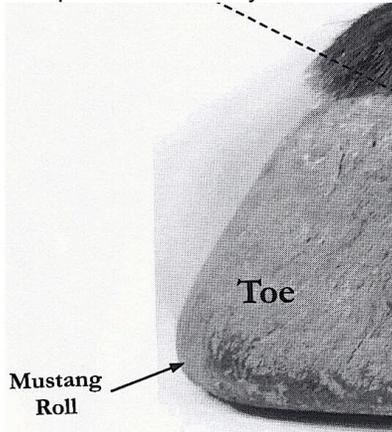
**How to Use**

**Evolutionary Hoof Care's** all new wall-smoothing **Hoof Buffers™** –the adjustable tension contour sanders  
 See video at: [www.evohoofcare.com](http://www.evohoofcare.com)

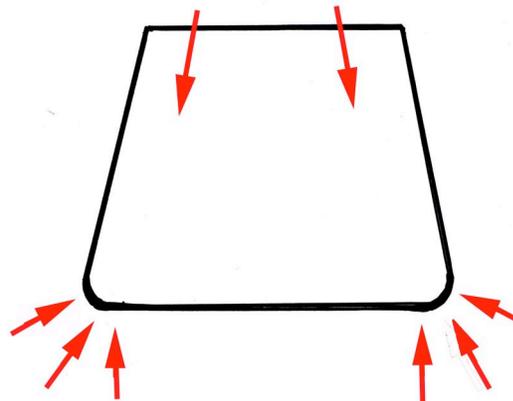
**Your Goal: Creating and Maintaining the “Mustang Roll”**

Horses evolved to live in dry, semi-arid environments. Under those conditions their hoof walls develop a smooth, rounded profile referred to as the “Mustang Roll.” This shape influences the relationship between weight-bearing forces inside the hoof and the counter pressure of the ground surface outside the hoof in a way that is essential to healthy hoof function.

Toe wall of wild horse hoof showing healthy hoof profile created by natural wear

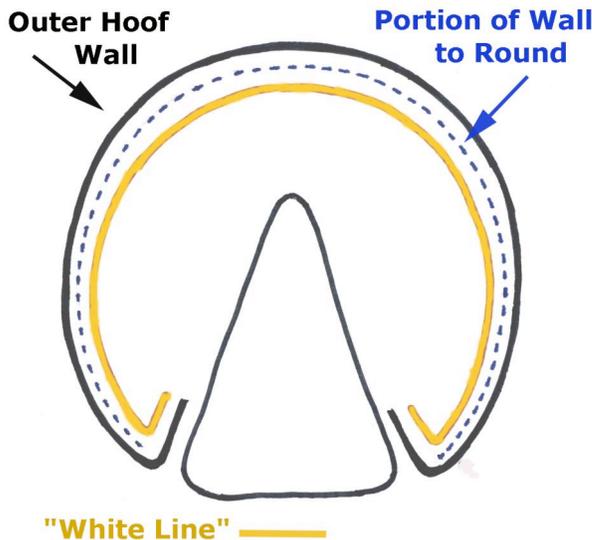


How the Mustang Roll prevents hoof shape distortion by balancing inner and outer forces

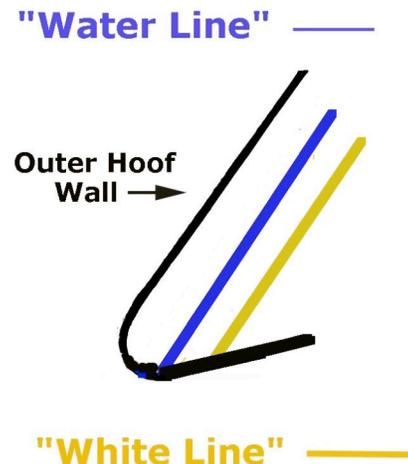


In the domestic horse, this profile is created by rounding the outer 30-50% of the width of the hoof wall to relieve it from direct contact with the surface of the ground. This shape focuses weight bearing on the inner wall and avoids direct pressure on the outer wall that produces flaring and cracking. This is what the **Radius Rasps** and **Hoof Buffers** are designed to do for you. The more consistently you maintain this form, the stronger and healthier your horse's hooves will become. How much of the wall you round depends upon the thickness of an individual hoof wall. The key objective is a uniform arc that is smoothly blended into the surface of the outer hoof wall above it.

Sole view of outer wall to be rounded:

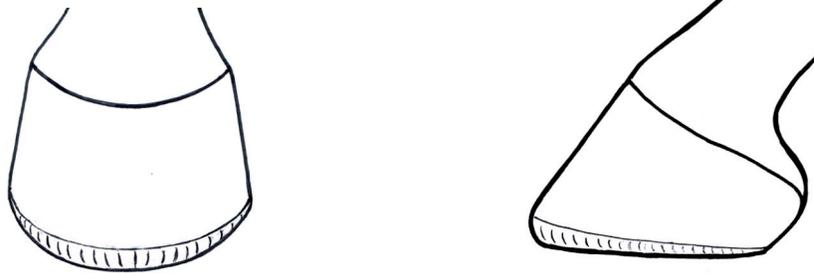


Cross-section of rounded wall profile



### Creating the Tapered Arc of the Mustang Roll

The arc or radius of the Mustang Roll is widest at the toe, tapering in height toward each heel, relative to the thickness of the hoof wall itself. Thus in rounding the hoof wall you want to create a wider arc across the toe region.



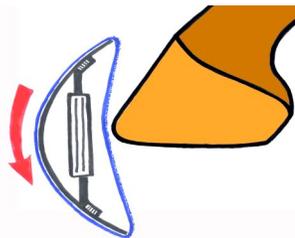
The concave blades of the **Radius Rasps** are designed to create this all-important rounded edge. When trimming, use the **Radius Rasps** to shape the arc before applying the **Hoof Buffers**. When maintaining the arc on a weekly basis, the **Hoof Buffers** will usually do the job alone.



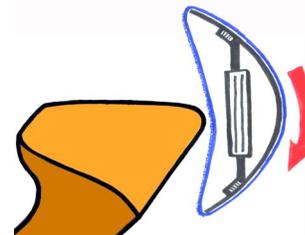
Use the **Hoof Buffers** in all directions—from above and below—whether holding the hoof with the horse's leg bent, or while it is on a hoof stand. Make an arcing motion as you sand across the hoof wall. This motion enables you to follow the rounded contour of the Mustang Roll. It is important to sand well above the bearing surface of the wall to ensure that the harder outer layer of wall horn does not come into direct contact with the ground surface.

Sanding 'downward' across toe wall as when the hoof is on a hoof stand

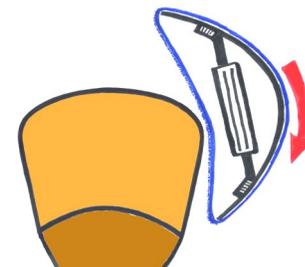
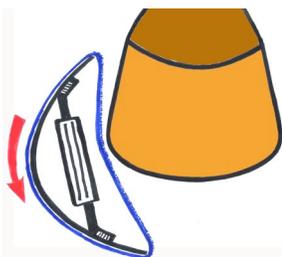
Sanding 'upward' across toe wall as when you hold the hoof with leg bent at the knee



Sanding 'downward' across side wall:



Sanding 'upward' across side wall:



Move your hand in an arc around the edge of the hoof wall in all directions: from above and below and from heel to toe.

**Again:** It is essential to sand the outer wall so that when the hoof is on the ground you see a distinct sanded band around its lower border. Use the **Hoof Buffers** to blend the arc of the Mustang Roll into the outer surface of the hoof wall above it. Run your fingers over the arc to check for rough spots and ridges.

**The Two Versions of the Hoof Buffer**

The **HB-1** with flexible sanding belt and the **HB-2** with perforated flexible metal blade



The white handled **HB-1** sanding belt makes the smoothest possible finish to the hoof wall, preventing fraying and cracking. The metal blade of the black handled **HB-2** is more aggressive, removing horn faster, acting more like the fine side of a standard flat hoof rasp. But because it is flexible it can follow the contour of the hoof wall and create rounded arcs. The **HB-2** can also be used to flatten the bearing surface of the wall and remove flares on the outer wall. It is particularly useful in rounding the upper edge of the Mustang Roll. For the best results use the **HB-2** first and follow it with the **HB-1** sanding belt. Apply pressure in both push and pull strokes as you rotate the Buffers around the hoof wall. Drive the Buffers forward while you apply light pressure downward against the hoof wall. Excessive downward pressure can damage the HB-1 sanding belt!

**The HB-2 in use:**

Using the **HB-2** to remove horn from the bearing surface and the outer surface of the hoof wall



**HB-2 Rounding the middle section of the Mustang Roll**



**Using the HB-2 to round the upper edge of the Mustang Roll**



Use all parts of the **HB-2** metal blade: both ends and the middle;  
(Be sure not to wear out the middle of the blade before the ends!)



### The **HB-1** Sanding belt in use

Apply the **HB-1** after the Radius Rasps or the **HB-2** to create the smoothest possible surface. The **HB-1** is the best tool for weekly maintenance of the Mustang Roll. Be careful not to press too hard against the hoof or you will damage the sanding belt. Use fast, light pressure strokes. And be sure to work the upper border of the Mustang Roll around the outer wall!

Push and Pull the sanding belt in diagonal arcs from all directions:



You can also use the hard back of the **HB-1** handle to sand:



### Bracing the hoof while sanding:

Use your free hand to steady the hoof. You can press it against the outside of your thigh or use a 'cross grip' when the hoof is between your legs.



**The task can be made even easier by using a hoof stand—especially one with a ‘hoof cradle’ attachment.**

The hoof stand gives you a better view of the outer wall so you can see how well you are blending the upper border of the Mustang Roll arc. A hoof cradle holds the hoof steady and makes each stroke more effective.



Use your fee hand to press the hoof against the stand or hoof cradle as you sand:



**Remember to Relieve the outer edge of the wall from touching the ground!**

Be sure to smooth the rounded edge of the wall at least ¼" above its bearing surface—this is essential in creating an arc or radius that is wide enough to promote healthier hoof shape:



### Care and Maintenance of Your HB-1 and HB-2

Keep the HB-1 sanding belt clean using a wire brush—dirt makes it much less effective:



### Rotating and Replacing the HB-1 Belt

Using a wrench to rotate the turnbuckle tightens or loosens either **HB-1** belt or **HB-2** blade. The red arrow on the turnbuckle shows the direction of tightening..

### HB-1 Belt Wear:

The ends of the plastic handle weaken the belt over time. Rotate the belt often to prevent it from breaking and to make sure you use the entire length of the belt



To rotate or replace a belt, use the wrench to loosen the turnbuckle, turning it in the opposite direction of the red arrow, until you can pull the belt off of the white tool handle. Then rotate or replace it.



Be sure to center the belt on the handle! Use the wrench to tighten the belt again until it bends only slightly when you press in it with your finger. A belt that is too loose will be less effective and more prone to break. A belt that is too tight will also be more likely to break.

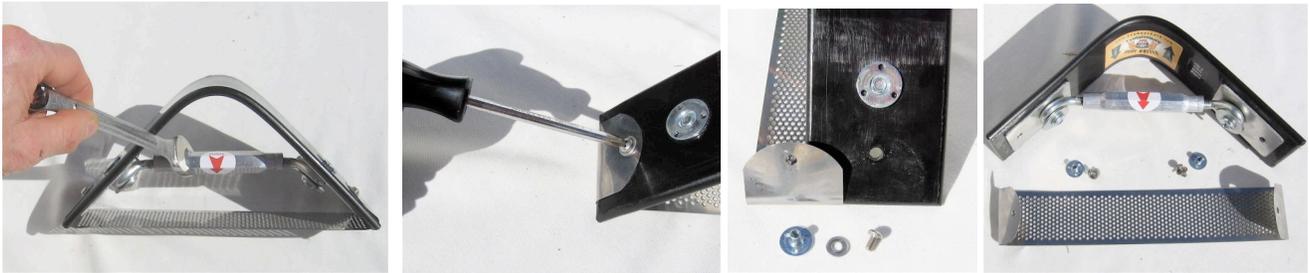


### Rotate the belt often!

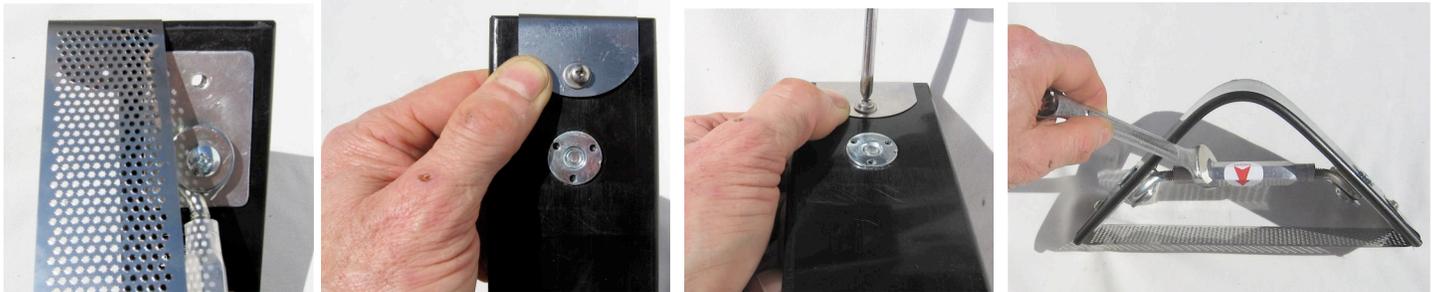
Sanding belts will last longer if rotated slightly around the tool frame after use on 8 or 10 horses. This distributes wear across the entire belt and prevents excess stress where the ends of the handle press against the belt. The belt should flex slightly under pressure from your finger when tight. A belt that is loose will be less effective than one that is tight. Check the tightness of your belt often. But be careful not to make the belt too tight or it might break.

### Replacing the HB-2 Blade

Once the blade on your HB-2 not longer removes horn from the hoof you can replace it by loosening the tension on it and removing the two screws that hold it on the handle. Use the wrench to rotate the turnbuckle in the opposite direction of the red arrow. Then remove the two screws and slide the blade off of the handle.



Then slide on a new blade and replace the screws. Bend the end tabs outward slightly to bet them over the ends of the handle. With the new blade in place, use the wrench to turn the turnbuckle in the direction of the red arrow. Tighten the blade until it flexes slightly when you press on it with your finger.



Adjust blade so it bends slightly with firm finger pressure



### Protect your Metal Blade!

Be careful not to use the HB-2 blade on hooves that have sand or gravel imbedded in the wall or white line. This will dull the blade.

### Evolve Your Hoof Care

*Give your horse the most durable hooves Nature has made possible*

Evolutionary Hoof Care tools are available at:

[www.evohoofcare.com](http://www.evohoofcare.com)



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