



ARE YOU GETTING A CUT?

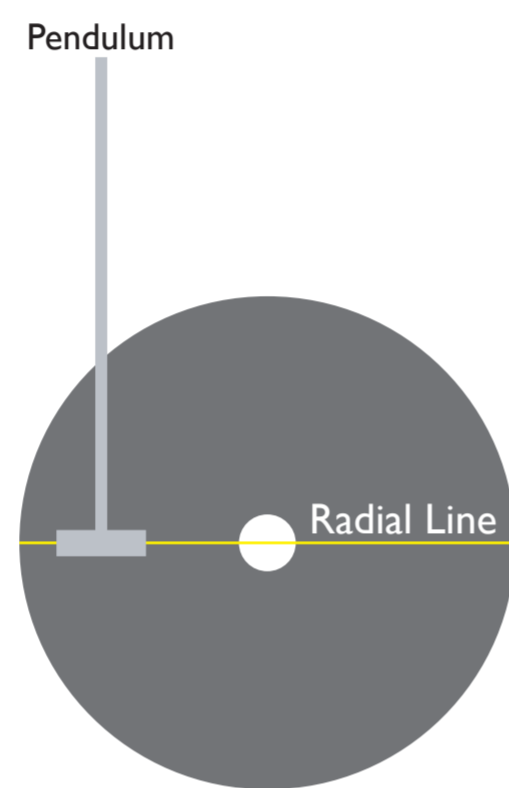
OVERVIEW

1. A well maintained handpiece with sharp combs and cutters will increase tallies and make the job easier.
2. It's estimated that over 80% of professional shearers do not get a true cut.

Make sure you are not one of the 80%.

SETTING PENDULUM HEIGHT

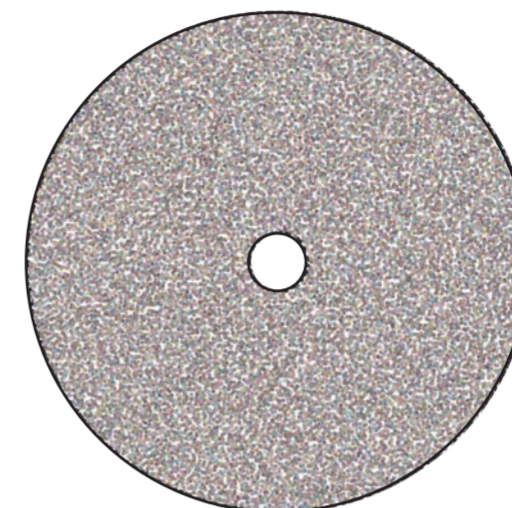
1. Draw a radial line across the paper with a straight edge through the centre of the grinder shaft.
2. Line up the pendulum's bottom pressure bar with the radial line at the finish point.
3. Check that:
 - the pendulum isn't damaged (shaft, pressure bar and positioning pins)
 - the face is clean
4. The direction of the sparks will show if pendulum settings are right.



DON'T SKIMP ON EMERY PAPER

Changing emeries regularly will increase tallies.

Do not use stones to restore emeries.

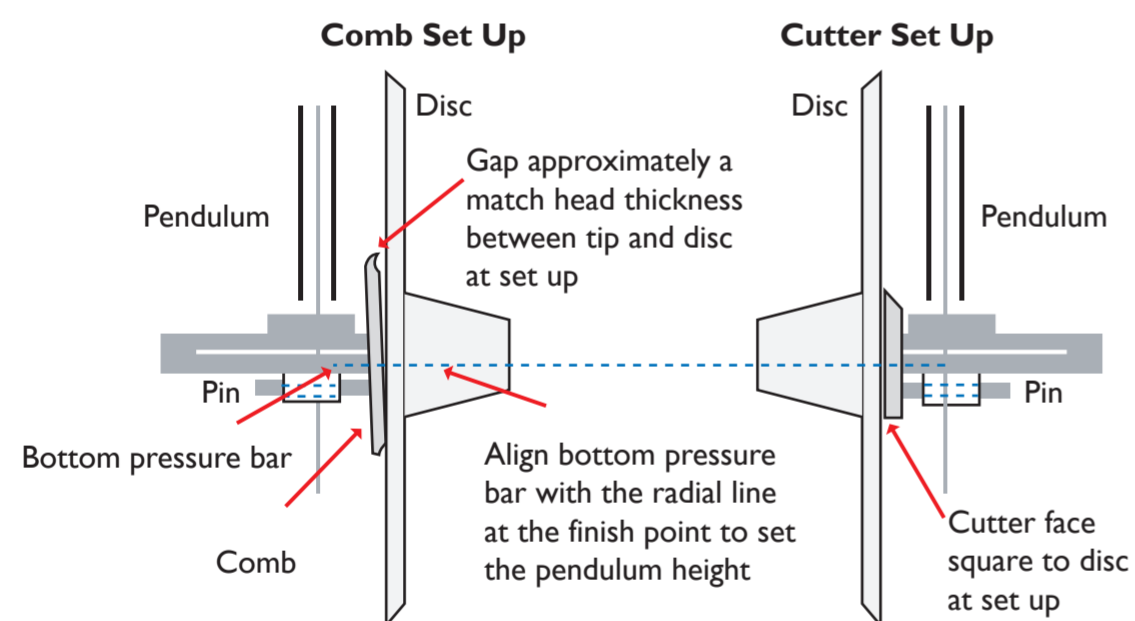


When changing emeries, first remove all old glue.

TAKE HOME MESSAGE

1. Spread glue evenly, as lumps can affect sharpening.
2. When the disc is hot, latex glue dries quickly and leaves ridges that make sharpening harder. So:
 - if possible, change emeries when it is cool (early morning or evening)
 - otherwise, cool disc in fridge or water and then thoroughly clean and dry it before applying latex glue

HORIZONTAL PENDULUM SETTINGS

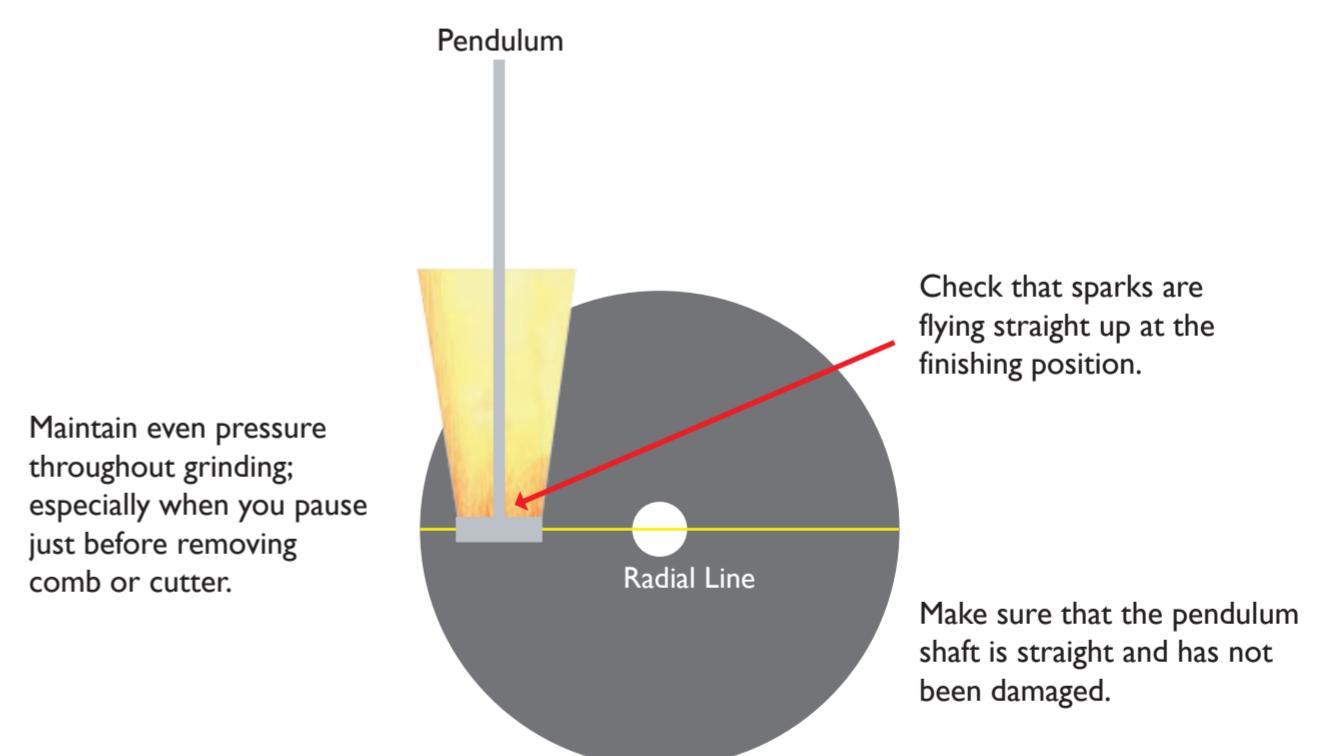


TAKE HOME MESSAGE

1. Make sure combs and cutters are clean and dry before you sharpen.
2. It's advisable to use pendulums produced by the same manufacturer of the combs and cutters that you use. Slight differences between pendulums can have adverse effects on your ability to sharpen.

TIPS FOR GRINDING

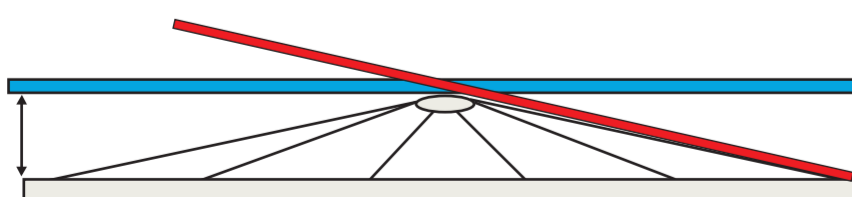
- Make sure grinder is in a safe position (secure, clear, well-lit).
- Check that safety guards are in place.
- Always wear protection glasses and ear plugs when grinding.
- Regularly check the length of the positioning pins on your pendulum.



THE INCLUDED ANGLE

What is the *included angle*?

The face of the disc is flat. However, there is a slight fall from the inside to the outside.

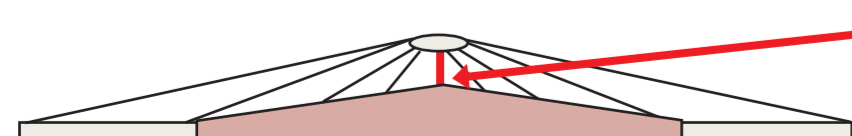


Why is it there?

The *included angle* puts a hollow in the combs and cutters, so you get a scissor action. This only happens if pendulums are set-up correctly.

What does it look like?

At right angles to the centre, there is a high point. The scissor action is created when the leading edges of the cutter move across the comb.



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1. When you tighten the tension nut, it presses on the tip and heel of the cutter
2. The hollow also cuts down on heat caused by friction