



Instructions for use and maintenance of the Sharp Master

Grinding

With the Sharp Master you grind one skate at the time. Hold the skate with your left hand at the nose of the shoe and press it against your body. Insert the Sharp Master from the back of the blade and press it forwards. You might have to wiggle the Sharp Master somewhat to push open the conductor. Now slide the Sharp Master with light pressure back and forth along the blade and repeat this between 10 and 25 times (depending on how blunt your blade is) until the blade is sharp.

Holding the right angle during grinding

Inside the Sharp Master there is a conductor, which will open up slightly when you push the Sharp Master over the blade. The built in resistor will press the conductor against the blade again and will help to remain a 90° angle while grinding. However, if you tilt the Sharp Master too much during grinding, the conductor might open up again. In that case the black catch on the side of the Sharp Master will come out. Push it back and the conductor will be pressed against the blade again, resuming the right grinding angle.

Wet grinding

It is possible to use the Sharp Master for wet grinding. There are two ways:

- **After skating:** when you leave the ice, remove debris from the blades, but they do not wipe them dry and grind the blades.
- **Moisturize the grinding plate:** run a little water over the grinding plate and grind the blades.

After wet grinding it's recommended to clean the Sharp Master by holding it under a running tap.

Deburring

Grinding with the Sharp Master causes little burr, but any burr that does occur can easily be removed. Press the two buttons on the front of the Sharp Master. The two diamond slices inside will be pressed against the side of the blade. Pulling the Sharp Master from front to back will remove any burr. Repeat several times if necessary.

Changing the grinding plates

- **Inserting a grinding plate:** insert the plate into the Sharp Master with the side with the angled notch and push the plate over the ball inside until it falls into the fitting.
- **Removing a grinding plate:** remove the protruding portion of the plate between thumb and forefinger. Move the plate back and forth and pull. This puts the ball out of the groove and the plate can be pulled out.

⚠ For a good grinding angle the grinding plate is fitted tightly in the Sharp Master. Therefore it is normal you will experience some resistance when inserting or removing the grinding plates. It's a matter of skill rather than strength. However, if the insertion of the plates really seems to take too much effort, following tips usually do the trick:

Is the notch in the plate properly positioned?

The plates have a special notch to help it slide over ball inside the Sharp Master. It's important that the plate is inserted properly with this notch pointing forward and upward, as shown below.



Move the plate back and forth while inserting or removing

When inserting or removing a plate seems to demand (too) much force, wiggle the plate back and forth during insertion or removal. In most cases, this simplifies the insertion or removal.



Which grinding plates for which grinding?

- Use the black plate (coarse) for very blunt or slightly damaged blades
- Use the blue plate (normal) for normal, basic grinding.
- Use the red plate (fine) for extra polishing.
- Use the green plate (extra fine) for a even finer finish.

Maintenance

Cleaning the grinding plates is easiest with a little detergent and an abrasive pad under lukewarm tap.

Tips

- Watch the video on our website in which John demonstrates how to use the Sharp Master.
- Lost your manual or need a digital copy? You can download it from our website also.
- Need to remove burr quickly? Use the part of the plate sticking out from the Sharp Master.
- Leverage the grinding plate optimally: move the plate to the left and right as much as possible of the grinding surface.
- New or additional grinding plates can always be ordered at www.sharp-master.com