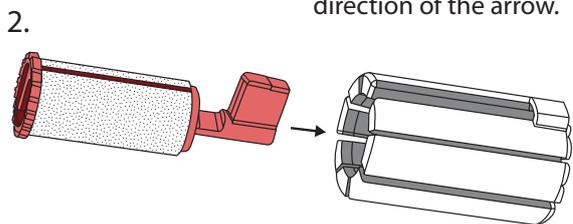
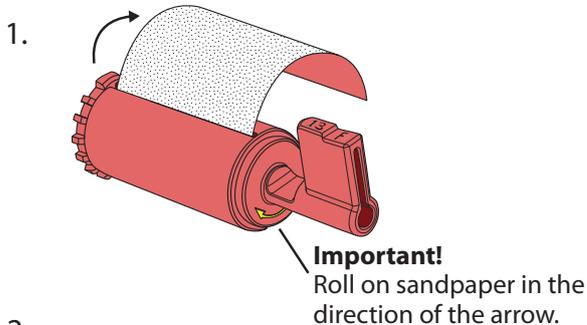


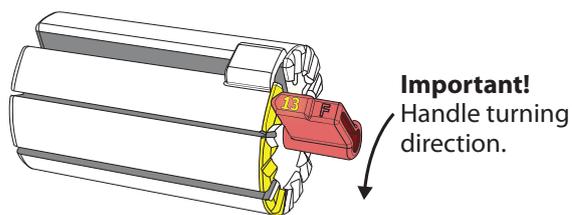
REVOLVER SKATE SHARPENER

Hockey/Bandy blade width **2,6 - 3 mm**

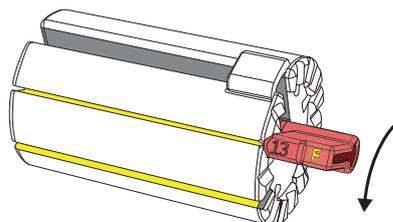
Touring blade width **1,25 - 1,5 mm**



3. Pos. 1
In notches: Hollow radius 13 alt.16.



4. Pos. 2
In slots: F (Flat) alt. hollow radius 20.



This skate sharpener is meant for maintenance grinding. When the skates are new, they should first be grinded by machine, with the curve and hollow radius (or flat) desired. Thereafter the Revolver Skate Sharpener is ideal to keep the skates sharp. It sharpens skates for icehockey, bandy and tour skating. It is made for the following radius of hollow: R13, R16, R20 and Flat grinding.

R13	R16	R20	F
13 mm	16mm	20mm	Flat
1/2"	5/8"	7/8"	Flat

NOTE: For safety reasons, always wear gloves when grinding with the Revolver Skate Sharpener.

www.revolverkatesharpener.com

Before using the Revolver Skate Sharpener:

Is there anything protruding from the sides of the blade? Then grind to remove them, with a file, whetstone or abrasive paper. These can damage the slots of the Revolver Skate Sharpener, and impair the control/steering of the sharpener.

1) Outer cylinder (black)

The sharpener is made for icehockey and bandy skates with the blade width of 2,6 mm - 3 mm and for touring skates with the blade width of 1,25 mm - 1,5 mm.

The end of the outer cylinder is marked with the numbers 1-7. One number for each slot. The numbers are only there to make it easier to remember which slot to use. Each slot has a different width, compatible with different skate widths. Slot 1 and 4: blade width 1,25-1,5 mm. Slot 2, 3, 5, 6 and 7: blade width 2,6 - 3 mm. Use the slot that fits best.

2+3) 2 centrum cylinders (red)

One centrum cylinder is marked with "13" and "F" on the handle. Representing that with this centrum cylinder you can sharpen skates with the hollow radius of 13 mm (1/2"), but also make a flat grinding. The other is marked "16" and "20". This centrum cylinder can sharpen skates with the hollow radius of 16mm (5/8") and 20 mm (7/8"). The centrum cylinders also have an arrow for direction on the end, showing which way the abrasive paper is rolled on.

How to use the Revolver Skate Sharpener:

First, choose the centrum cylinder with the hollow radius desired. Pull off the protective film from the abrasive paper, then put the paper **all the way down** to the bottom of the slot of the centrum cylinder. Note that when you roll the paper on the cylinder in the direction of the arrow (clockwise), the adhesive side of the paper is oriented correctly, against the centrum cylinder. (picture 1)

Roll the abrasive paper so that it is fitted firmly against the centrum cylinder, by pressing it gently with your thumbs around the entire cylinder as you roll it on. If the paper is askew, slowly and gently pull the paper off, align it, and roll it back on. Make sure the paper is correctly mounted on the centrum cylinder, it should not be outside the cylinder edge or on the ribbed edge.

Now, put the centrum cylinder in the outer cylinder with the handle first. (picture 2)

NOTE! Never turn the handle against the direction of the arrow, this may cause the abrasive paper and the centrum cylinder to jam.

The Revolver Skate Sharpener has two positions: Pos. 1, the handle is turned so that it rests in the notch on the beam (picture 3), which allows you to sharpen your skates with hollow radius 13 mm, or 16 mm (depending on which centrum cylinder you are using). Pos. 2, the handle is turned so that it rests in a slot (picture 4), this will allow you to sharpen your skates with a Flat blade, or hollow radius 20 mm. (depending on which centrum cylinder you are using).

Example: If you have chosen centrum cylinder 13-F and you want to use the hollow radius 13, you simply hold the outer cylinder firmly and turn the red handle in the direction of the arrow (counterclockwise) one notch, leaving it to rest in the notch on the beam (picture 3).

If you have chosen centrum cylinder 13-F and you want to use the F (flat) blade, you simply hold the outer cylinder firmly and turn the red handle in the direction of the arrow (counterclockwise) two notches, leaving it to rest in a slot (picture 4).

Choose the slot "1-7" that best fits the blade width of your skate. The Revolver Skate Sharpener should run smoothly over the blade, but not loose enough to slide off the blade if the skate is tilted.

Grind back and forth along the full length of the blade.

When the abrasive paper is getting dull, simply lift the Revolver Skate Sharpener off the skate blade, turn the handle in the direction of the arrow (counterclockwise) **two** notches. It is important to always turn it two notches, to the next slot or beam, depending on what radius you chose.

Gently tap out the grinding dust from the Sharpener from time to time while grinding your skates.

NOTE! Do not turn the handle when the Revolver Skate Sharpener is still on the blade. It will destroy the centrum cylinder.

Put the Revolver Skate Sharpener back on the blade in the same slot (1-7) you chose. Continue grinding.

To change the centrum cylinder:

Hold the outer cylinder firmly, turn the red handle in the direction of the arrow (counterclockwise) until the handle is placed in the midst of the open hole of the outer cylinder. Press the centrum cylinder out of the outer cylinder.

TIP! For slot 1 and 4, always use hollow radius 13.

Every abrasive paper have 12 or 16 surfaces available for grinding, depending of the radius you have chosen. Every time you want a new grinding surface, you turn the handle two notches (as previously described) until you have made a full circle. To access new grinding surfaces on the abrasive paper, simply remove the centrum cylinder from the outer cylinder, gently lift the abrasive paper off the centrum cylinder, turn it, and put the other end of the paper all the way down the slot and attach the paper again. Make sure the adhesive side is facing the centrum cylinder. This way your abrasive papers will last longer!

Enjoy your REVOLVER SKATE SHARPENER!