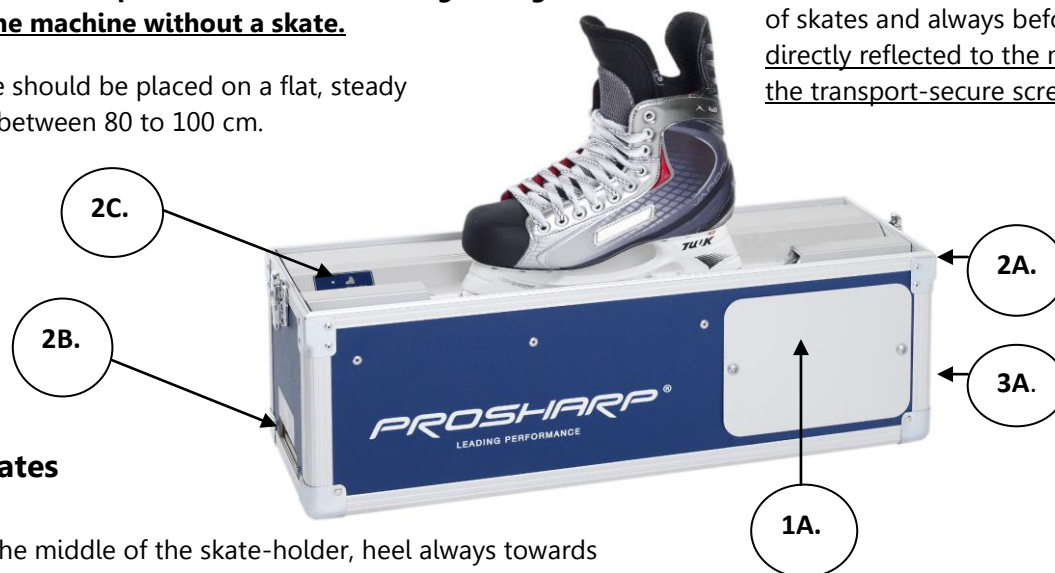


## 1. Before you start

A. Choose the Radius of Hollow via quick changeable grinding wheels. Open the grinding wheel door; release the grinding wheel screw by screwing anti-clockwise. Remove the wheel and replace it with another wheel. Return the screw and tighten it gently by screwing it clockwise. Close the grinding wheel door. **IMPORTANT! Always disconnect power cord before changing the grinding wheel. Remove the transport-secure screw before grinding. See Picture 3B. Never start the machine without a skate.**

B. Placement: The machine should be placed on a flat, steady work bench with a height between 80 to 100 cm.

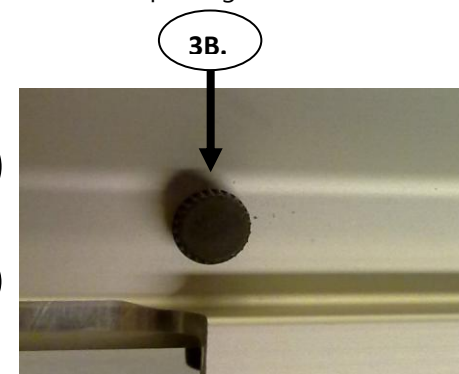


## 2. Sharpening of Skates

- Clamp the skate into the middle of the skate-holder, heel always towards the grinding wheel. See Picture.
- Connect the power cord and the access card into the machine.
- Choose the sharpening cycles from 1 to 5 by quickly pushing the start button. 1 push is worth of 1 cycle and 5 pushes are worth of 5 cycles. An indicating beep can be heard after every push. Grinding is finished when the wheel is back in the start position and the motor has stopped, and a beep is heard. Push the start button once during sharpening = reset/stop. **Emergency stop function:** Push once the start button when the motor is doing the first half-cycle (going to left). Grinding will stop and the wheel comes back to the home position. One push after the first half-cycle (going to right) resets counter and takes the wheel back to start position after the cycle is finished. Two pushes after the first half-cycle will stop the grinding and takes the wheel back to home position.

## 3. Maintenance

- **Attach a vacuum cleaners hose to the machine during sharpening. See Picture 3A.** After sharpening take away the access card from the card reader and unplug the power cord. Open the grinding wheel door and clean the machine inside with a vacuum cleaner or with a magnetic stick. See Picture 1A.
- Clean the machine once in a day after usage and always after every 30 pairs of skates and always before transport. **IMPORTANT! Machine's life time is directly reflected to the maintenance of the machine. IMPORTANT! Always use the transport-secure screw when transporting the machine. See Picture 3B.**



**SkatePal®**



# ProSharp *SkatePal*® Instruction Manual

Read the operating instructions carefully before use. Operations that are not in accordance with the manual and/or disregard safety instructions may damage the machine and/or result in serious personal injury.

## Safety Information

- ProSharp SkatePal may only be used for sharpening skates.
- Only the original ProSharp EP- grinding wheels are to be used in the machine.
- No modifications or design changes are allowed.
- All operators must read and understand instructions regarding operation and maintenance contained in this manual, before using the machine.
- Operators under 18 years of age are **NOT** allowed to use the machine.

## Hazards

- Before using the machine, ensure there are no damages caused, for example, during transport.
- The SkatePal is equipped with grinding tools which may cause injury.
- The operator must stand in front of the machine.
- Children and others than the machine operator must be kept away from the machine at a safe distance of 2 meters.
- The operator may never bend over or place hands on the machine during skate sharpening.
- Grinding dust can escape from the machine; therefore the operator must wear protective eyewear when machine is in use.

## Connection

- Connect the power cord, 1-phase, 100-240 volt, 50 — 60 Hz.
- Put in the access card to the card reader. Card reader display will show what type of card is in. ALL is an unlimited access card. If a number is shown, it tells you how many sharpenings you have left on that specific access card. When card reader does not have an access card inserted, display will show the total sharpenings made on that specific machine.

## Placement

- The machine must be placed on a flat, steady work bench with a height between 80 to 100 cm.

## Maintenance

- Control and clean the machine daily after the usage and always after every 30 pairs of skates. Always use the transport-secure clamp when transporting with the machine.

## Technical Data

• Power	Power supply unit 150W,	12VDC or 15VDC, 10-15AMPS
• Weight	22 lbs (10 kg)	Width 8" (210 mm)
• Length	26 " (670 mm)	Height 10" (270 mm)

## Maintenance

Changing of the wheel and all service work may be done only when the power cord is disconnected.

### Before each grinding

Insure that you have read and understood the safety instructions and all functions.

### After grinding

Take away the access card from the card reader and unplug the power cord.

Clean the machine from dust with a dust cleaner or you can also use a magnetic stick.

### Every wheel lasts 1000 cycles

Change the grinding wheel according to the instructions. No more than 1000 cycles can be done by one wheel.

After 1-3 years or 10,000 cycles Service should be made by an authorized service technician.

## Sharpening of skates

1. Insert the access card in to the card reader. Clamp the skate into the middle, sideways, of the skate holder, always with the heel of the skate placed towards the grinding wheel.
2. Choose the sharpening cycles from 1 to 5 by quickly pushing the start button. 1 push is worth of 1 cycle and 5 pushes are worth of 5 cycles. An indicating beep can be heard after every push. Grinding is finished when the wheel is back in the start position and the motor has been stopped, and a beep is heard. Push the start button once during sharpening = reset/stop. **More detailed Emergency stop instructions on page 1 / 2C.**
3. Check the sharpening result on the skate blade. (if not perfect, repeat the sharpening)

## Hollow settings and changing of the grinding wheel

Changing of the SkatePal EP- grinding wheel should be done only when the power cord is disconnected.

1. Choose a grinding wheel with a hollow from 3XS to 2XL. It correlates to a hollow radius from 7mm hollow = XXS (7mm) to 28mm =2XL (28mm) to entirely flat = XX. Other radius of hollows can be ordered from ProSharp with an 8 weeks delivery time.
2. Open the grinding wheel door; release the grinding wheel thumbscrew by turning to the left. Remove the wheel and replace it with another wheel. Return the thumbscrew and tighten it gently by turning to the right.

## Adjusting the grinding wheel sideways

1. Adjusting of the centering of the grinding wheel can be done by screwing the thumb screw. Clockwise moves the wheel towards you and anti-clockwise moves the wheel from you. The thumb-screw can be found beside grinding wheel to the right. See picture.



Adjust the grinding wheel in small steps, 1/8 round at the time. An easy way of changing position of the grinding wheel is to first drive the wheel to the left, so you get more room to adjust the screw. To do this, push start button for five seconds and keep the button down. Wheel will start go to the left without grinding. Once you let go off of the start button, the wheel will stop. (If you want the wheel even further left, push the button again for five seconds and repeat previous steps). Push once more and the wheel will come back to the home position