

PROSHARP[®]
LEADING PERFORMANCE

ORIGINAL INSTRUCTIONS

- ProSharp AS2001 Allpro
- ProSharp AS1001 Portable
- ProSharp Skatepal Pro³



All operators must read and understand original instructions regarding operation and maintenance contained in this manual before using the machine. Usage that is not in accordance with the instruction manual and/or disregard safety instruction, may cause injury or death, and damage the machine.

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AS2001 ALLPRO



INSTALLATION INSTRUCTIONS

1. **Unpacking and installation:** Open the transportation box by unscrewing the locks on both sides of the transportation box.
2. Place the machine on a steady table on a height between 80-100 cm.
3. Cut all cable ties.
4. Before using the machine do an ocular inspection and check the grinding wheel for any cracks which may have been caused by the transportation.
5. Plug in the power cord.
6. Turn the main switch on and turn the emergency stop button on with the attached key.
7. Use the machine in a warm, dry and well lit room.

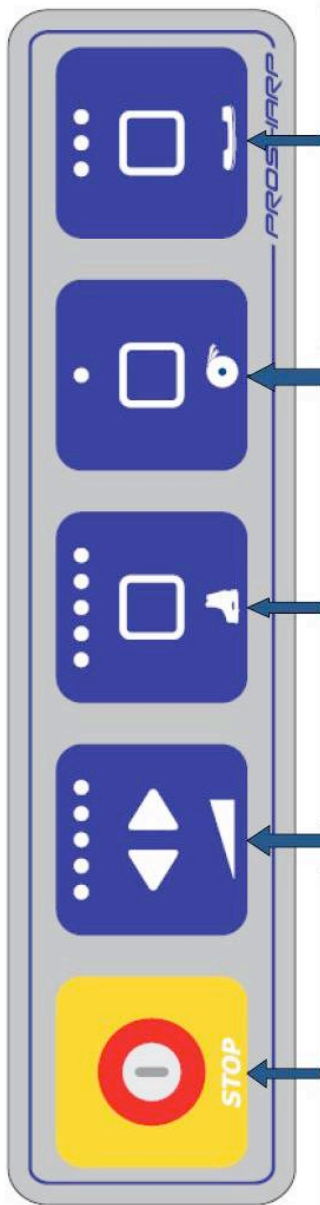
SAFETY PRECAUTIONS:

WARNING! When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product and save these instructions for further use. The use of any accessory or attachment other than the ones recommended in this instruction manual may present a risk of personal injury.

1. Always use eye, ear and breathing protection. Always connect a vacuum cleaner to the machine to minimize amount of dust occurring outside the machine.
2. Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
3. Do not expose the machine in rain. Do not use the machine in damp or wet locations. Keep work area well lit. Keep work area clear. Cluttered areas and benches invite injuries. Do not use the machine in the presence of flammable liquids or gases.
4. Guard against electric shock. Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators)
5. While operating the machine, keep other persons away from the work area. Make workshop kip proof with padlocks, master switches, or by removing starter keys. Do not overreach. Keep proper footing and balance at all times. Do not stand on the machine.

6. Never leave the machine running unattended. Press down the emergency switch, remove the key and disconnect all cables after using the machine.
7. Do an ocular inspection of the machine and look for any damages made from transportation.
8. Store the machine properly in a dry locked-up place, out of reach of children.
9. Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges. Always use the original cable delivered with your machine.
10. Avoid unintentional starting. Ensure switch is in "off" position when plugging in your power cord.
11. This machine should only be repaired by an authorized service representative using only original spare parts.
12. Prosharp AS 2001-Allpro is a skate sharpening machine and should only be used for sharpening ice skates.
13. Follow the recommended maintenance instruction on page 8.
14. Disconnect machine before any maintenance. When changing accessories such as grinding wheels and/or diamond tools. For detailed instructions for how to change the grinding, see page 13. Other parts than those recommended by the manufacturer may present a risk of personal injury.
15. Only original special balanced ProSharp grinding wheels may be used in the machine.
16. When the wheel has worn down to ~5" (125 mm) it must be replaced with a new one.
17. Change of the wheel may only be done when the main power is turned off.
18. Please notice that the protective equipment, according to signs, must be used when grinding with the machine.
19. The skate sharpening machine AS 2001-Allpro is equipped with grinding tools which may cause injury.
20. The operator must stand in front of the machine.
21. Never put your hands on any moving parts while the machine is operating.
22. People under 18 years of age may NOT use the machine!
23. Never move the skate-holder by hand. Only use the arrows on the control panel to move the skate-holder.
24. Use only non-flammable vacuum cleaners.

CONTROL PANEL MANUAL



EMERGENCY STOP!
Key switch.
Unlock and take away the key while usage.
Push and lock after usage.

SPEED!
Adjust the feed speed.
Move the skate-holder to dress the wheel or to drive the skate-holder to the transportation point.

SHARP!
All lights flashing = put in a skate. Lights walking 1 by 1 = ready! Always remember to put the skate in place before using the machine unless you are dressing the grinding wheel!
When sharpening 1 push is worth of 1 cycle, 2 pushes 2 cycles and so on. At 1 cycle one push will turn the skate-holder back.
At 2-5 cycles push the button once = reset.
When profiling every push (light) is worth of 5 cycles. Push again = reset. During 5 cycles 1 push will turn the skate-holder back.

DRESS!
Adjust the hollow radius towards the scale by moving the skate-holder with left/right arrows at "speed". Push the "dress" button and the grinding wheel will start to run. Wheel will stop running after 2 minutes or by pushing the button again.
When the wheel is running, you can dress the grinding wheel for the desired hollow by moving the dressing tool device back and forwards. After dressing always remember to screw the dressing tool up so that it can't touch the wheel while sharpening.

PROFILE!
Push once and the first light will start to flash.
Push "sharp" and you can see how the grinding wheel will move against the blade. (Grinding wheel is not running) Push twice and one light will go on. Now the skate will drive between the "one point" marks on the skate-holder device. Push 3 times and 2 lights will go on and the skate will drive between the "2 point" marks. Push 4 times = all 3 lights on and the skate will drive between the "3 point" marks. The points can be useful for example to turn the skate-holder before the toe-picks when sharpening figure skates or if you are sharpening small skates you can turn the skate-holder earlier.
When sharpening figure skates remember to calibrate the machine. See instructions from page 9.

EXPLANATION OF SYMBOLS MARKED ON THE SKATE SHARPENER PROSHARP AS 2001 ALLPRO



= Always use mouth and breathing protection.



= Always use ear protection.



= Always use protective eye glasses.



= Beware of electric shock!



= Read the original instructions carefully before using the skate sharpener.



= Never lay your hands on the machine when the sharpening procedure is on.



= Beware of rotating grinding wheel.

DUST CLEANER

- Connect the dust cleaners power cord to the side of the machine's socket for automatic start/stop of the dust cleaner while grinding.
- Connect the dust cleaners hose to the machines dust hose.
- Clean the machine with the dust cleaner after every sharpening session.

ENGAGEMENT

- For information regarding the grinding machine the responsible operator must inform other users about safety and maintenance instruction.

THE PROSHARP AS 2001 ALLPRO DELIVERY INCLUDES:

- 1 Skate Sharpening Machine ProSharp AS 2001-Allpro
- 1 Grinding wheel MA70
- 1 Dressing-tool NDT3
- 10 Contouring templates
- 1 Power cord
- 1 19mm wrench for grinding wheel change
- 2 Keys for the use of the emergency button
- 1 Transportation-box
- 1 Operating instruction manual

TECHNICAL DATA

- Voltage Single-phase A.C, 100-240 V
- Cycles 50-60 Hz
- Power Pmotors: 300W, Poutlet: 200W, Ptotal: 2300W
Power outlet for the vacuum cleaner MAX 2000W
- Weight 50kg (including the transportation box and detachable parts)
- Length 1300 mm
- Width 370 mm
- Height 370 mm
- Noise level 100dB

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MAINTENANCE INSTRUCTIONS

Change of grinding wheel may only be done with the main power turned off.

Before every grinding: Please check that:

1. You have read and understood the safety instructions and all functions.
2. Dust cleaner is connected.

After grinding: Lock the emergency button and take away the key. Clean the machine from dust with a dust-cleaner and use a dry rag to clean up. Never use oil or grease.

After 1-10 pairs: Dress the grinding wheel.

After 200-500 pairs: Time to change the grinding wheel. The number of pairs for each wheel depends on how often you dress it and the hardness of the skate blades. **Use only ProSharp grinding wheels MA54, MA70 or MA90.**

After 800-1000 pairs: Check the dressing-tool. The diamond must be pointy and even for best grinding result. **Use only ProSharp dressing tool NDT1 or NDT3.**

After 1000-2000 pairs: The drive-belt should be perfectly stretched. Check the drive-belt by starting the motor. The belt must run even and smooth.

In cause of belt-tension: Take off the belt-shroud and driving belt. Loosen the 2 screws for tensioning. Adjust in very small steps and put the belt back. Test run. Put the belt-shroud back on.

Wire: Check the wire concealed under the cover located in the back of the machine. Tighten the turnbuckle if needed.

After 3000-5000 pairs: Service should be made by an authorized service representative.
(or 1-2 seasons)

Notice! These are just guidelines for the operators.

DRESSING OF THE GRINDING WHEEL WITH REGULAR HOLLOW

1. Make sure that the scale-knob is set at 3.0
2. Choose your hollow and move the skate-holder by using the arrows on the control-panel
3. The hollow radius sticker on the skate-holder indicates which hollow you want to dress. Once set, lock the wheel arm.
4. Adjust the diamond tool downwards until it barely touches the surface of the grinding wheel.
5. When you choose to make a regular hollow make sure the knob on the dress units handle is lifted and locked in the upper position.
6. Push the "DRESS" button on the control-panel once. The wheel will now start to spin. Carefully move the handle of the dress unit back and forth until the grinding wheel is fully dressed with a smooth surface.

Once your satisfied, press the "DRESS" button again to stop the wheel.

Unlock the wheel arm and screw the diamond tool upwards.

DRESSING OF THE GRINDING WHEEL WITH CHANNEL Z

When you choose to make a radius hollow combined with a channel, choose first the hollow radius, and follow instructions how to dress. Once dressed, let the wheel arm be locked and turn the knob on the dress units handle to its lower position.

Choose S, M or L width of the channel by screwing the Channel Z -thumbscrew in or out to make the tap on the diamonds handle hit it. Follow the scale to see what width you get.

1. Push "DRESS" button and screw down the diamond tool approximately one quarter of a turn (for a 0,5mm deep channel) Dress one side of the wheel by moving the handle until the tap hits the Channel Z -thumbscrew.
2. Lift and lock the knob on the dress units handle in its upper position, unlock wheel arm and push the grinding wheel down. Now move the diamond tool over to the other side of the metallic Channel Z thumbscrew while the arm remains in a lower position. Now move the grinding wheel arm up and lock it. Turn the knob on the dress units handle down to its lower position, dress the other side of the wheel until the tap hits the Channel Z -thumbscrew (remember not turning the diamond tool since you have dressed the other side to avoid uneven edges). Now you successfully dressed the wheel with desired hollow and width of the channel.

GRINDING

1. After dressing your grinding wheel, measure your skate and set the scale knob on the same width as your skate.
2. Clamp the skate in to the skate-holder. The toe of your skate should always point to your left
3. Choose number of grinding cycles by using the "SHARP" button. 1 push is worth of 1 cycle, 2 pushes is worth of 2 cycles and so on. Machine will start after choosing the amount of cycles and will stop automatically once finished.
4. If you want to stop the grinding procedure earlier (during cycles 2-5) just push the "SHARP" button once and the machine will complete its cycle, turn home and stop.

Notice: The amount of cycles required to sharpen your skates varies depending of the quality and condition of your skates.

For more detailed instructions how to use the electronics and adjustments please take a look at our Instructional Videos at www.prosharp.com

GRINDING OF FIGURE SKATES AND BANDY SKATES

1. After dressing your grinding wheel, measure your skate and set the scale knob on the same width as your skate.
2. Clamp the skate in to the skate-holder. The toe of your skate should always point to your left.
3. Loosen the two nuts on the Figure skate device and slide it as far to your right as possible and tighten the nuts. (Take notice that the adjustment screw has to be located under the figure skate device).
4. Move the sledge forward with the arrows on your control-panel until the grinding wheel is located directly under the toe of your figure skate. Now adjust the height of your wheel towards the skates toe with the adjustment screw.
5. Once in position, return the skate holder to its home position and start sharpening your skate.
6. Choose number of grinding cycles by using the "SHARP" button. 1 push is worth of 1 cycle, 2 pushes is worth of 2 cycles and so on. Machine will start after choosing the amount of cycles and will stop automatically once finished.

The grinding procedure is now successfully completed.

For more detailed instructions how to sharpen Figure and Bandy Skates, please take a look at our Instructional Videos at www.prosharp.com

PROFILING

1. Choose a profiling template and clamp it to the template holder.
2. Measure the area of your skate that you would like to profile and mark up the blade. Use the toe-pitch-heel sticker to help you. Always profile at least 60% of your skate.
3. Clamp the skate to the skate holder.
4. Push the "Profile" button once and a light will start to blink. Now press the "Sharp" button and the sledge will start to moving without the grinding wheel spinning.
5. Adjust the guide-roll's height. When the guide-roll is moving over the template the grinding wheel won't profile the blade. And when it's not touching the template, the grinding wheel will cut of steel from your skate.
6. Put marks on the template when your satisfied with your settings. These markings will show you where to profile the other skate in your pair.
7. To make the profiling faster. You have the opportunity to choose which area of the skate you would like to profile. Press the "Profile" button on your control panel twice and one full light will show. It indicates that the machine will sharpen between Profiling dot 1 and 1. Two lights and the machine will sharpen between profiling dot 2 and 2. and finally 3 lights and it will sharpen between profiling dot 3 and 3.
8. Choose the profiling dots suited for your skate and press "Sharp". When using the profiling dots, one push on the "Sharp" button equals 5 cycles.
9. You may also increase the wheel pressure to fasten the profiling process.
10. Remember. As long as the guide-roll doesn't move, it profiles the skate.
11. When the guide-roll is touching the whole template. the profiling procedure is finished.
12. Before skating with your newly profiled skates. Please re-dress the grinding wheel and sharpen it to smoothen out the blade. See page 9 for how to dress the wheel.

CHANGE OF THE GRINDING WHEEL

Changing of the wheel may only be done when the main power is switched off. But before switching the power off please read these instructions.

1. Move the skate-holder to the left using the arrows on your control-panel.
2. Now remove the cover and use the 19mm wrench and loosen the nut.
3. Remove the wheel and replace it with a new one. (the label on the wheel should point towards the front on the machine).
4. Tighten the nut and put the cover back on.
5. Reset the wheel size counter by pressing both arrows on the control-panel for three seconds. Once you hear a "beep" the reset is done.

For more detailed instructions how to change the grinding wheel, please take a look at our Instructional Videos at www.prosharp.com

WARRANTY

The warranty applies for one year for materials and workmanship. The manufacturer is not responsible for defects or faults that arise from normal usage, negligent maintenance or other neglect, unauthorized tampering, improper use, service or repairs performed by others than those approved by the manufacturer, as well as variations in electrical voltage or other electrical disorders.

The manufacturer is not responsible for costs such as travel expenses, transport costs or costs for repairs not performed by the manufacturer during the warranty period, or for inaccessibility to the machine during the service period in connection with measures to repair any faults covered by the warranty.

The manufacturer will not bear any costs that arise in the form of damage to skates or other property. The buyer shall, at own risk and cost, send the machine or component in question to the manufacturer for assessment of warranty coverage and repair. The machine or component will be returned to the buyer at the manufacturer's expense.



EC DECLARATION OF CONFORMITY

Eriksson Teknik AB/ProSharp
Hirsvägen 4
862 41 Njurunda
SWEDEN

HEREBY DECLARES UNDER SOLE RESPONSIBILITY THAT THE FOLLOWING EQUIPMENT:

Skate Sharpening Machine

Model: AS 2001 Serial number: 1302.1994-2500

Origin: Njurunda Manufactured: 2013

Which includes the EC declaration is in conformity with the essential health and safety requirements of MD2006/42/EG (AFS2008:3), EN61029-1:2009, EN6100-6-1, EN6100-6-3, EN12100

The declaration applies only to machinery in the state it was placed on the market and does not include components that are added or actions which are then implemented by the end user.

Njurunda
Location

130213
Date

Eriksson Teknik AB/ProSharp



Magnus Eriksson

AS1001 PORTABLE



INSTALLATION INSTRUCTIONS

1. **Unpacking and installation:** Open the transportation box by unscrewing the locks on both sides of the transportation box.
2. Place the machine on a steady table on a height between 80-100 cm.
3. Cut all cable ties.
4. Before using the machine do an ocular inspection and check the grinding wheel for any cracks which may have been caused by the transportation.
5. Plug in the power cord.
6. Screw the diamond tool into the dress unit.
7. Turn the main switch on and turn the emergency stop button on with the attached key.
8. The Sledge will now run to its start position.
9. Use the machine in a warm, dry and well lit room.

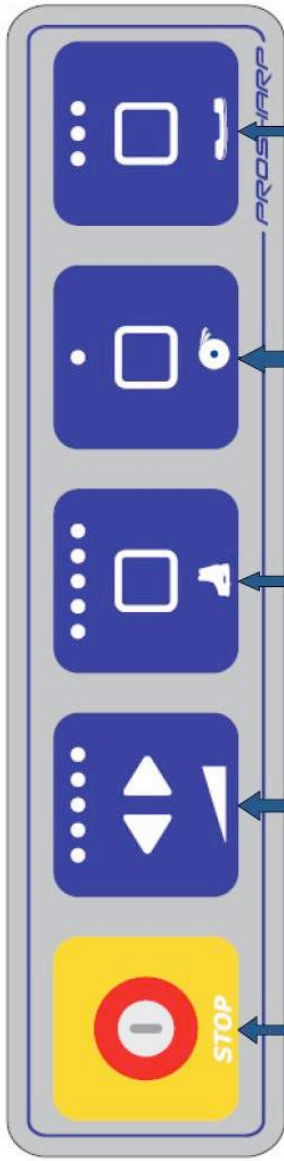
SAFETY PRECAUTIONS:

WARNING! When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product and save these instructions for further use. The use of any accessory or attachment other than the ones recommended in this instruction manual may present a risk of personal injury.

1. Always use eye, ear and breathing protection. Always connect a vacuum cleaner to the machine to minimize amount of dust occurring outside the machine.
2. Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
3. Do not expose the machine in rain. Do not use the machine in damp or wet locations. Keep work area well lit. Keep work area clear. Cluttered areas and benches invite injuries. Do not use the machine in the presence of flammable liquids or gases.
4. Guard against electric shock. Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators)
5. While operating the machine, keep other persons away from the work area. Make workshop kip proof with padlocks, master switches, or by removing starter keys. Do not overreach. Keep proper footing and balance at all times. Do not stand on the machine.

6. Never leave the machine running unattended. Press down the emergency switch, remove the key and disconnect all cables after using the machine.
7. Do an ocular inspection of the machine and look for any damages made from transportation.
8. Store the machine properly in a dry locked-up place, out of reach of children.
9. Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges. Always use the original cable delivered with your machine.
10. Avoid unintentional starting. Ensure switch is in "off" position when plugging in your power cord.
11. This machine should only be repaired by an authorized service representative using only original spare parts.
12. Prosharp AS 2001-Allpro is a skate sharpening machine and should only be used for sharpening ice skates.
13. Follow the recommended maintenance instruction on page 8.
14. Disconnect machine before any maintenance. When changing accessories such as grinding wheels and/or diamond tools. For detailed instructions for how to change the grinding, see page 13. Other parts than those recommended by the manufacturer may present a risk of personal injury.
15. Only original special balanced ProSharp grinding wheels may be used in the machine.
16. When the wheel has worn down to ~5" (125mm) it must be replaced with a new one.
17. Change of the wheel may only be done when the main power is turned off.
18. Please notice that the protective equipment, according to signs, must be used when grinding with the machine.
19. The skate sharpening machine AS 2001-Allpro is equipped with grinding tools which may cause injury.
20. The operator must stand in front of the machine.
21. Never put your hands on any moving parts while the machine is operating.
22. People under 18 years of age may NOT use the machine!
23. Never move the skate-holder by hand. Only use the arrows on the control panel to move the skate-holder.
24. Use only non-flammable vacuum cleaners.

CONTROL PANEL MANUAL



EMERGENCY STOP!

Key switch.
Unlock and take away the key while usage.
Push and lock after usage.

SHARP!

Lights walking 1 by 1 = ready! Always remember to put the skate in place before using the machine unless you are dressing the grinding wheel!
When sharpening 1 push is worth of 1 cycle, 2 pushes 2 cycles and so on. At 1 cycle one push will turn the skate-holder back.
At 2-5 cycles push the button once = reset.

PROFILE!

Push once and the first light will start to flash.
Push "sharp" and you can see how the grinding wheel will move against the blade. (Grinding wheel is not running)
Push twice and one light will go on. Now the skate will turn back from the "one point" mark on the skate-holder device.
Push 3 times and 2 lights will go on and the skate will turn back from the "2 points" mark. Push 4 times = all 3 lights on and the skate will turn back from "3 points" mark. The points can be useful for example to turn the skate-holder before the bee-picks when sharpening figure skates or if you are sharpening small skates you can turn the skate-holder earlier.

SPEED!

Adjust the feed speed.
Move the skate-holder to dress the wheel or to drive the skate-holder to the transportation point.

DRESS!

Adjust the hollow radius towards the scale by moving the skate-holder with left/right arrows at "speed". Push the "dress" button and the grinding wheel will start to run. Wheel will stop running after 2 minutes or by pushing the button again.
When the wheel is running, you can dress the grinding wheel for the desired hollow by moving the dressing tool device back and forwards. After dressing always remember to screw the dressing tool up so that it can't touch the wheel while sharpening.

EXPLANATION OF SYMBOLS MARKED ON THE SKATE SHARPENER PROSHARP AS 1001 PORTABLE



= Always use mouth and breathing protection.



= Always use ear protection.



= Always use protective eye glasses.



= Beware of electric shock!



= Read the original instructions carefully before using the skate sharpener.



= Beware of rotating grinding wheel.

DUST CLEANER

- Connect the dust cleaners power cord to the side of the machine's socket for automatic start/stop of the dust cleaner while grinding.
- Connect the dust cleaners hose to the machines dust hose.
- Clean the machine with the dust cleaner after every sharpening session.

ENGAGEMENT

- For information regarding the grinding machine the responsible operator must inform other users about safety and maintenance instruction.

THE PROSHARP AS 1001- PORTABLE DELIVERY INCLUDES:

- 1 Skate sharpening machine ProSharp AS 1001-Portable
- 1 Grinding wheel MA70
- 1 Dressing-tool NDT3
- 1 Power cord
- 1 19mm wrench for grinding wheel change
- 2 Keys for the use of the emergency button
- 1 Transportation-box
- 1 Operating instruction manual

TECHNICAL DATA

- Voltage Single-phase A.C, 100-240 V
- Cycles 50-60 Hz
- Power P motors: 200 W, P outlet 2000W, P total 2200W
Power outlet for the vacuum cleaner MAX 2000W
- Weight 28 kg (including the transportation box and detachable parts)
- Length 740 mm
- Width 270 mm
- Height 300 mm
- Noise level 98dB

BUSINESS NAME AND MANUFACTURER

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MAINTENANCE INSTRUCTIONS

Change of grinding wheel may only be done with the main power turned off.

Before every grinding: Please check that:

1. You have read and understood the safety instructions and all functions.
2. Dust cleaner is connected.

After grinding: Lock the emergency button and take away the key. Clean the machine from dust with a dust-cleaner and use a dry rag to clean up. Never use oil or grease.

After 1-10 pairs: Dress the grinding wheel.

After 200-500 pairs: Time to change the grinding wheel. The number of pairs for each wheel depends on how often you dress it and the hardness of the skate blades. **Use only ProSharp grinding wheels MA54, MA70 or MA90.**

After 800-1000 pairs: Check the dressing-tool. The diamond must be pointy and even for best grinding result. **Use only ProSharp dressing tool NDT1 or NDT3.**

After 1000-2000 pairs: The drive-belt should be perfectly stretched. Check the drive-belt by starting the motor. The belt must run even and smooth.

In cause of belt-tension:
Take off the belt-shroud and driving belt. Loosen the 2 screws for tensioning. Adjust in very small steps and put the belt back.
Test run. Put the belt-shroud back on.

After 2000-3000 pairs: (or 1-2 seasons) Service should be made by an authorized service representative.

Notice! These are just guidelines for the operators.

DRESSING OF THE GRINDING WHEEL WITH REGULAR HOLLOW

1. Make sure that the scale-knob is set at 3.0
2. Choose your hollow and move the skate-holder by using the arrows on the control-panel
3. The hollow radius sticker on the skate-holder indicates which hollow you want to dress. Once set, lock the wheel arm.
4. Adjust the diamond tool downwards until it barely touches the surface of the grinding wheel.
5. When you choose to make a regular hollow make sure the knob on the dress units handle is lifted and locked in the upper position.
6. Push the "DRESS" button on the control-panel once. The wheel will now start to spin. Carefully move the handle of the dress unit back and forth until the grinding wheel is fully dressed with a smooth surface.

Once your satisfied, press the "DRESS" button again to stop the wheel.

Unlock the wheel arm and screw the diamond tool upwards.

DRESSING OF THE GRINDING WHEEL WITH CHANNEL Z

When you choose to make a radius hollow combined with a channel, choose first the hollow radius, and follow instructions how to dress. Once dressed, let the wheel arm be locked and turn the knob on the dress units handle to its lower position.

Choose S, M or L width of the channel by screwing the Channel Z -thumbscrew in or out to make the tap on the diamonds handle hit it. Follow the scale to see what width you get.

1. Push "DRESS" button and screw down the diamond tool approximately one quarter of a turn (for a 0,5mm deep channel) Dress one side of the wheel by moving the handle until the tap hits the Channel Z -thumbscrew.
2. Lift and lock the knob on the dress units handle in its upper position, unlock wheel arm and push the grinding wheel down. Now move the diamond tool over to the other side of the metallic Channel Z thumbscrew while the arm remains in a lower position. Now move the grinding wheel arm up and lock it. Turn the knob on the dress units handle down to its lower position, dress the other side of the wheel until the tap hits the Channel Z -thumbscrew (remember not turning the diamond tool since you have dressed the other side to avoid uneven edges). Now you successfully dressed the wheel with desired hollow and width of the channel.

GRINDING

1. After dressing your grinding wheel, measure your skate and set the scale knob on the same width as your skate.
2. Clamp the skate in to the skate-holder. The toe of your skate should always point to your left
3. Choose number of grinding cycles by using the "SHARP" button. 1 push is worth of 1 cycle, 2 pushes is worth of 2 cycles and so on. Machine will start after choosing the amount of cycles and will stop automatically once finished.
4. If you want to stop the grinding procedure earlier (during cycles 2-5) just push the "SHARP" button once and the machine will complete its cycle, turn home and stop.

Notice: The amount of cycles required to sharpen your skates varies depending of the quality and condition of your skates.

For more detailed instructions how to use the electronics and adjustments please take a look at our Instructional Videos at www.prosharp.com

GRINDING OF FIGURE SKATES AND BANDY SKATES

ALTERNATIVE 1:

Sharpening with the Figure Skate Device.

1. After dressing your grinding wheel, measure your skate and set the scale knob on the same width as your skate.
2. Clamp the skate in to the skate-holder. The toe of your skate should always point to your left.
3. Loosen the two nuts on the Figure skate device and slide it as far to your right as possible and tighten the nuts. (Take notice that the adjustment screw has to be located under the figure skate device).
4. Move the sledge forward with the arrows on your control-panel until the grinding wheel is located directly under the toe of your figure skate. Now adjust the height of your wheel towards the skates toe with the adjustment screw.
5. Once in position, return the skate holder to its home position and start sharpening your skate.
6. Choose number of grinding cycles by using the "SHARP" button. 1 push is worth of 1 cycle, 2 pushes is worth of 2 cycles and so on. Machine will start after choosing the amount of cycles and will stop automatically once finished.

The grinding procedure is now successfully completed.

GRINDING OF FIGURE SKATES AND BANDY SKATES

ALTERNATIVE 2:

1. After dressing your grinding wheel, measure your skate and set the scale knob on the same width as your skates.
2. Put your toe pick on any of the profiling dots on the skate holder. Then clamp your skate.

Click on the "PROFILE" button on your control-panel. Here you have three options. Each light indicates where the skate-holder will turn back.

You choose the option suited for your skates, depending on where the toe pick on your figure skate is located.

3. Choose number of grinding cycles by using the "SHARP" button. 1 push is worth of 1 cycle, 2 pushes is worth of 2 cycles and so on. Machine will start after choosing the amount of cycles and will stop automatically once finished.

The grinding procedure is now successfully completed.

For more detailed instructions how to sharpen Figure and Bandy Skates, please take a look at our Instructional Videos at www.prosharp.com

CHANGE OF THE GRINDING WHEEL

Changing of the wheel may only be done when the main power is switched off. But before switching the power off please read these instructions.

1. Move the skate-holder to the left using the arrows on your control-panel.
2. Now remove the cover and use the 19mm wrench and loosen the nut.
3. Remove the wheel and replace it with a new one. (the label on the wheel should point towards the front on the machine).
4. Tighten the nut and put the cover back on.
5. Reset the wheel size counter by pressing both arrows on the control-panel for three seconds. Once you hear a "beep" the reset is done.

For more detailed instructions how to change the grinding wheel, please take a look at our Instructional Videos at www.prosharp.com

WARRANTY

The warranty applies for one year for materials and workmanship. The manufacturer is not responsible for defects or faults that arise from normal usage, negligent maintenance or other neglect, unauthorized tampering, improper use, service or repairs performed by others than those approved by the manufacturer, as well as variations in electrical voltage or other electrical disorders.

The manufacturer is not responsible for costs such as travel expenses, transport costs or costs for repairs not performed by the manufacturer during the warranty period, or for inaccessibility to the machine during the service period in connection with measures to repair any faults covered by the warranty.

The manufacturer will not bear any costs that arise in the form of damage to skates or other property. The buyer shall, at own risk and cost, send the machine or component in question to the manufacturer for assessment of warranty coverage and repair. The machine or component will be returned to the buyer at the manufacturer's expense.



EC DECLARATION OF CONFORMITY

Eriksson Teknik AB/ProSharp
Hirsvägen 4
862 41 Njurunda
SWEDEN

HEREBY DECLARES UNDER SOLE RESPONSIBILITY THAT THE FOLLOWING EQUIPMENT:

Skate Sharpening Machine

Model: AS 1001

Serial number: 1302.1637-2000

Origin: Njurunda

Manufactured: 2013

Which includes the EC declaration is in conformity with the essential health and safety requirements of MD2006/42/EG (AFS2008:3), EN61029-1:2009, EN6100-6-1, EN6100-6-3, EN12100

The declaration applies only to machinery in the state it was placed on the market and does not include components that are added or actions which are then implemented by the end user.

Njurunda
Location

130213
Date

Eriksson Teknik AB/ProSharp

Magnus Eriksson

SKATEPAL PRO³



UNPACKING AND INSTALLATION

1. Place the machine on a steady bench with a work height between 80-100 cm.
2. Open the top lid by clicking on the buckles on each side of the machine.
3. Inside the lid you will find the power cord and the vacuum extension.
4. Move the slide lid found on the right end of the machine and connect the vacuum extension to it.
5. Connect the power cord and turn on the switch.
6. Use the machine in a warm, dry and well lit room.

SAFETY PRECAUTIONS:

WARNING! When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product and save these instructions for further use. The use of any accessory or attachment other than the ones recommended in this instruction manual may present a risk of personal injury.

1. Always use eye, ear and breathing protection. Always connect a vacuum cleaner to the machine to minimize amount of dust occurring outside the machine.
2. Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
3. Do not expose the machine in rain. Do not use the machine in damp or wet locations. Keep work area well lit. Keep work area clear. Cluttered areas and benches invite injuries. Do not use the machine in the presence of flammable liquids or gases.
4. Guard against electric shock. Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators)
5. While operating the machine, keep other persons away from the work area. Make workshop kip proof with padlocks, master switches. Do not overreach. Keep proper footing and balance at all times. Do not stand on the machine.
6. Never leave the machine running unattended. Disconnect all cables after using the machine.
7. Do an ocular inspection of the machine and look for any damages made from transportation.

8. Store the machine properly in a dry locked-up place, out of reach of children.
9. Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges. Always use the original cable delivered with your machine.
10. Avoid unintentional starting. Ensure switch is in "off" position when plugging in your power cord.
11. This machine should only be repaired by an authorized service representative using only original spare parts.
12. Prosharp SkatePal-Pro³ is a skate sharpening machine and should only be used for sharpening ice skates.
13. Follow the recommended maintenance instruction on page 7.
14. Disconnect machine before any maintenance. When changing accessories such as EP wheels. For more detailed instructions for how to change the grinding wheel, see page 7.
15. Only original special balanced ProSharp EP wheels may be used in the machine.
16. Change of the wheel may only be done when the main power is turned off.
17. Please notice that the protective equipment, according to signs, must be used when grinding with the machine.
18. The skate sharpening machine Prosharp SkatePal-Pro³ is equipped with grinding tools which may cause injury.
19. Never put your hands on any moving parts while the machine is operating.
20. People under 18 years of age may NOT use the machine!
21. Use only non-flammable vacuum cleaners.

EXPLANATION OF SYMBOLS MARKED ON THE SKATE SHARPENER PROSHARP AS 2001 ALLPRO



= Always use mouth and breathing protection.



= Always use ear protection.



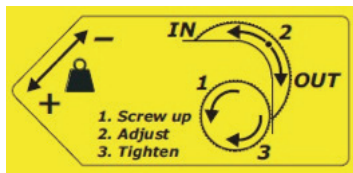
= Always use protective eye glasses.



= Beware of electric shock!



= Read the original instructions carefully before using the skate sharpener.



From left to right:

1. Wheel pressure adjustment.
2. Adjustment of grinding wheel sideways.

BUSINESS NAME AND MANUFACTURER

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E. order@prosharp.com

AUTHORIZED SERVICE REPRESENTATIVE

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862 41 Njurunda
SWEDEN
T. +46 60 15 85 80
E. support@prosharp.com

TECHNICAL DATA

- Voltage AC INPUT 100-240 VAC 3.6A
- Power 150W
- Cycles 50/60hz
- Weight 32.6 lbs (14.8 kg)
- Width 220 mm
- Length 700 mm
- Height 320 mm
- Noise level 80dB

THE PROSHARP SKATEPAL-PRO³ DELIVERY INCLUDES:

- 1 Prosharp SkatePal-Pro³
- 1 EP wheel
- 1 Power cord
- 1 Vacuum hose
- 1 Original instructions manual
- 2 Keys for locking the lid

MAINTENANCE INSTRUCTIONS

- Control and clean the machine daily after the usage, and always after every 30 pairs of skates.
- Remove the plug before carrying out any adjustment, servicing or maintenance.
- After 1-3 years or around 10,000~ cycles, service should be made by an authorized service technician.

GRINDING WHEELS

Every delivery of a Prosharp SkatePal-Pro³ comes with a EP wheel. The EP wheels has fixed hollow with a range between Radius 7 all the way to FLAT. Most commonly used are R16, R19 and R22.

Every B64 wheel lasts around 1000~ cycles

Change the grinding wheel according to the instructions. It is worn out when it is no longer taking away material from the steel and/or gives an unsatisfying result.

TO CHANGE AN EP WHEEL FOLLOW THESE INSTRUCTIONS:

1. Remove the lid at the front of the machine.
2. Press and hold the start/stop button for 5 seconds. The motor package will now start to move, let go of the button once in a good working position.
3. Cut the power.
4. Loose the grinding wheel lock and remove the wheel.
5. Replace it with a new one and lock it.
6. Put the lid back on and turn on the power. The motor package will now return to its home position.

SHARPENING

1. Put the skate in the machine with the toe to the left. Clamp it with the clamp handle located to your right.
2. Press the black start/stop button located on the machines right side. Each push equals 1 cycle. You may sharpen up to 5 cycles at a time.
3. Unclamp the skate and check result.

SHARPENING FIGURE SKATES

- To sharpen figure skates you need a round toe pick protector. Its designed to protect the toe picks on your figure skate.
- A special wheel for figure and bandy skates is also required. Instead of the normal 100MM EP wheel you use a 60MM wheel which helps you protect the heel of your skate.
- With these accessories you will be able to sharpen your figure skate the same way you sharpen a regular skate.

Both of these accessories can be ordered from our website www.prosharp.com

WARRANTY

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EC DECLARATION OF CONFORMITY

Eriksson Teknik AB/ProSharp
Hirsvägen 4
862 41 Njurunda
SWEDEN

HEREBY DECLARES UNDER SOLE RESPONSIBILITY THAT THE FOLLOWING EQUIPMENT:

Skate Sharpening Machine

Model: SkatePal Serial number: 1302.1167-2000

Origin: Njurunda Manufactured: 2013

Which includes the EC declaration is in conformity with the essential health and safety requirements of MD2006/42/EG (AFS2008:3), EN61029-1:2009, EN6100-6-1, EN6100-6-3, EN12100

The declaration applies only to machinery in the state it was placed on the market and does not include components that are added or actions which are then implemented by the end user.

Njurunda
Location

130213
Date

Eriksson Teknik AB/ProSharp

Magnus Eriksson

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LEADING PERFORMANCE

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