

SPARX

SKATE SHARPENER 3



OPERATING MANUAL

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SAFETY

SAFETY PRECAUTIONS

1. Before operating the Sparx™ Skate Sharpener, you should familiarize yourself with the product and read and understand all applicable instructions and warnings in this manual.
2. Use personal protective equipment. Always wear eye protection and a dust mask while operating the sharpener.
3. For emergencies: press the  **Cancel Button** two times. This will stop the **Grinding Ring** in its place. Do not stop the **Grinding Ring** unless it is an emergency, as this may damage the skate blade.
4. We do not recommend that children under 13 years of age be permitted to use the Sparx™ Skate Sharpener.
5. The Sparx™ Skate Sharpener is not intended for use by persons (including children 13 years and over) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the Skate Sharpener by a qualified adult.
6. Children should be supervised to ensure that they do not play with the Sparx™ Skate Sharpener.
7. The Sparx™ Skate Sharpener may only be used for sharpening skates.
8. Only Sparx™ **Grinding Rings** may be used with this machine.
9. Set up the product securely on a stable surface and in a protected location. It must be placed where no one can step on or trip over the **Power Cord** and where the **Power Cord** cannot be damaged.
10. Always use the Sparx™ Skate Sharpener in a dry, well-lit and non-condensing environment. To avoid the risk of electric shock, do not use the Sparx™ Skate Sharpener in wet or damp conditions.
11. To avoid injury, always use caution when operating the Sparx™ Skate Sharpener or when changing the **Grinding Ring**.
12. Do not attempt to touch the **Grinding Ring**, **Carriage**, or **Skate Clamp** while the **Grinding Ring** is moving. Wait for the **Carriage** and **Grinding Ring** to come to a complete stop before attempting any adjustments or **Grinding Ring** replacement.
13. Make sure that the **Thumb Nut** is tightened down onto the **Grinding Ring** before starting any grinding operation
14. Do not leave the Sparx™ Skate Sharpener running unattended.
15. Never disconnect the **Power Cord** by pulling the wire to disconnect it from the socket.
16. Store the Sparx™ Skate Sharpener in a dry place, out of the reach of children.
17. Maintain the sharpener according to the Maintenance section of this manual. Cleaning the **Sharpener Base** and Replacing the **Air Filter**, at specified intervals, are necessary steps for performance and safety.
18. If at any time the product does not operate normally, see the Troubleshooting section of this manual.
19. There are no user-serviceable parts on the sharpener. The sharpener should only be repaired by a professional Sparx™ Hockey technician, using only original spare parts. Unauthorized repairs could lead to hazardous conditions for the user and/or void the warranty.
20. For any further questions about the sharpener, please contact Sparx™ Hockey Support at 1-855-SPARXHQ (1-855-772-7947) or by email at help@sparxhockey.com.



Warning: Please see the manual for operating instructions.



Caution: Pinch point hazard. Keep hands, hair and other body parts clear of the **Skate Clamp** area.

FCC NOTICE (FOR U.S. CUSTOMERS)

This device complies with Part 15 of the FCC Rules:

Operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation

Changes and Modifications not expressly approved by Velasa Sports, Inc. can void your authority to operate this equipment under Federal Communications Commissions rules.

ISED RSS-GEN NOTICE:

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



CONFORMITY WITH DIRECTIVES

This product is CE marked to denote conformity with: Low Voltage Directive 2014/35/EC, EMC Directive 2014/30/EU, RoHS Directive 2015/863, Radio Equipment Directive 2014/53/EU, WEEE Directive 2012/19/EU

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SÉCURITÉ

CONSIGNES DE SÉCURITÉ

1. Avant d'utiliser l'affûteuse de patins Sparx^{MC}, vous devez vous familiariser avec le produit et lire et comprendre toutes les instructions et mises en garde dans ce manuel.
2. Portez un équipement de protection individuelle. Portez toujours des lunettes de sécurité et un masque anti-poussières lorsque vous utilisez l'affûteuse de patins.
3. En cas d'urgence : appuyez deux fois de suite sur le bouton  Annuler (Cancel). Ceci immobilise immédiatement la meule d'affûtage. N'arrêtez la meule d'affûtage qu'en cas d'urgence, car cela pourrait endommager la lame du patin.
4. Il n'est pas recommandé que les enfants de moins de 13 ans soient autorisés à utiliser l'affûteuse de patins Sparx^{MC}.
5. L'affûteuse de patins Sparx^{MC} ne doit pas être utilisée par des personnes (y compris des enfants de 13 ans et plus) ayant des capacités physiques, sensorielles ou mentales réduites, ou un manque d'expérience et de connaissances, à moins qu'elles soient surveillées ou qu'elles aient reçu une bonne formation sur l'utilisation de l'affûteuse par un adulte compétent.
6. Les enfants doivent être surveillés pour s'assurer qu'ils ne jouent pas avec l'affûteuse de patins Sparx^{MC}.
7. L'affûteuse de patins Sparx^{MC} doit être utilisée exclusivement pour l'affûtage de patins.
8. La machine doit être utilisée exclusivement avec des meules d'affûtage Sparx^{MC}.
9. Pour assurer la sécurité de tout le monde, installez la machine sur une surface stable et dans un endroit protégé. Elle doit être placée dans un endroit où il n'y a aucun risque que quelqu'un puisse marcher ou trébucher sur le cordon d'alimentation ou le cordon d'alimentation puisse être endommagé.
10. Utilisez l'affûteuse de patins Sparx^{MC} toujours dans un environnement sec, bien éclairé, et sans condensation. Pour éviter tout risque de décharge électrique, n'utilisez jamais l'affûteuse de patins Sparx^{MC} dans des conditions humides ou mouillées.
11. Pour éviter les blessures, soyez toujours prudent lors de l'utilisation de l'affûteuse de patins Sparx^{MC}, ou lors du remplacement de la meule d'affûtage.
12. N'essayez pas de toucher la meule d'affûtage, le guide-meule mobile ou la pince de serrage pendant la rotation et le mouvement de la meule. Attendez l'arrêt complet du guide-meule et de la meule d'affûtage avant de tenter un réglage ou le remplacement de la meule.
13. Assurez-vous que l'écrou à ailettes est serré sur la meule d'affûtage avant de commencer l'affûtage.
14. Ne laissez jamais l'affûteuse de patins Sparx^{MC} sans surveillance pendant qu'elle est en marche.
15. Ne débranchez jamais le cordon d'alimentation en tirant sur le cordon.
16. Rangez l'affûteuse de patins Sparx^{MC} dans un endroit sec, hors de la portée des enfants.
17. Entretenez l'affûteur conformément aux instructions de ce manuel. Le nettoyage de la base de l'affûteur et le remplacement du filtre à air à des intervalles spécifiés sont des étapes nécessaires pour la performance et la sécurité.
18. Si, à tout moment, la machine cesse de fonctionner normalement, consultez la section Diagnostic des pannes de ce manuel.
19. L'affûteuse ne comporte aucune pièce réparable par l'utilisateur. Elle ne doit être réparée que par un technicien professionnel Sparx^{MC} Hockey, exclusivement avec des pièces de rechange d'origine. Les réparations non autorisées pourraient créer des conditions dangereuses pour l'utilisateur ou annuler la garantie.
20. Pour toute question au sujet de l'affûteuse, veuillez communiquer avec le service technique de Sparx^{MC} Hockey au (855-772-7947) ou par courriel à help@sparxhockey.com.



Mise en garde : Veuillez consulter les instructions dans le manuel.



Attention : Danger de pincement. Gardez les mains, les cheveux et d'autres parties du corps à l'écart de la zone de la pince de serrage.

AVIS DE LA FCC (POUR LES CLIENTS DES ÉTATS-UNIS)

Cet appareil est conforme à la section 15 de la réglementation de la FCC :

Le fonctionnement est soumis aux conditions suivantes :

1. Cet appareil ne doit pas causer d'interférences nuisibles, et
2. Cet appareil doit accepter toute interférence reçue, y compris des interférences pouvant provoquer un fonctionnement indésirable.

Tous changements et modifications non explicitement approuvés par Velasa Sports, Inc. peuvent annuler votre droit d'utiliser cet équipement conformément aux règles de la Federal Communications Commission.

AVIS ISED RSS-GEN:

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

PROTECTION ENVIRONNEMENTALE

Les déchets de produits électriques ne doivent pas être jetés avec les ordures ménagères. Veuillez recycler où les installations existent. Renseignez-vous auprès de votre autorité locale ou de votre revendeur pour obtenir des conseils sur le recyclage.



CONFORMITÉ AUX DIRECTIVES

Ce produit est marqué CE pour indiquer la conformité avec : La directive Basse tension 2014/35/CE, la directive CEM 2014/30/EU, la directive RoHS 2015/863, la directive Équipements radio 2014/53/EU, la directive DEEE 2012/19/EU

INTRODUCTION

TECHNICAL SPECIFICATIONS

SKATE COMPATIBILITY

Hockey Skates

Goalie Skates

Figure Skates*

**Requires an additional adapter, which is sold separately.*

DIMENSIONS AND WEIGHT

Width: 26.5 Inches / 673 mm

Height: 5.0 Inches / 127 mm

Depth: 11.9 Inches / 303 mm

Weight: 22.1 Pounds / 10 kg

ELECTRICAL

Line Voltage: 100-240 Volts AC (50-60 Hz single phase)

Maximum Power Consumption: 140 W



For detailed videos on the individual steps of
the sharpening process, head to:
sparxhockey.com/howto

GETTING TO KNOW YOUR SPARX SHARPENER 3



PART	DESCRIPTION
A	Skate Clamp
B	Keypad
C	Clamp Lever
D	Triggers
E	Slot Covers
F	Sharpener Base

PART	DESCRIPTION
G	Lever Dock
H	Power Switch
J	Power Input Port

PART	DESCRIPTION
K	Height Adjustment Knob
L	Alignment Adjustment Driver Slot
M	Grinding Ring Arbor
N	Thumb Nut

WHAT'S IN THE BOX?

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PART	DESCRIPTION
1	Travel Guard
2	Power Cord
3	Goalie Risers (2)
4	Optical Alignment Tool
5	Alignment Ring
6	Clamp Lever
7	Alignment Driver
8	Sparx BEAM
9	Reference Gauge

GETTING TO KNOW THE KEYPAD



PART	BUTTON	DESCRIPTION
A	Grinding Ring Life Indicator	Indicates Grinding Ring life status. See Grinding Ring Life Indicator Behavior table on page 9.
B	Grinding Ring Life Indicator	Indicates Grinding Ring life status. See Grinding Ring Life Indicator Behavior table on page 9.
C	Cycle Counter	Shows the current number of cycles selected. Shows error codes.
D	Minus Cycles / Move Left	Subtracts cycles from the Cycle Counter . If in Move Mode , moves Carriage to the left.
E	Cancel / Error	Push 1 time to stop the Carriage at the conclusion of the current pass. Push 2 times for emergency stop, motor stops immediately. When illuminated red, the sharpener is in an error state, see Troubleshooting section of manual.
F	Move	Initiates Move Mode .
G	Alignment	Initiates Alignment Mode .
H	Add Cycles / Move Right	Adds cycles from the Cycle Counter . If in Move Mode , moves Carriage to the right.
J	Filter	Indicates replacement needed.

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		Mode while a
		
		as less than that the user visiting
		
	Circle half red/half white - alternate blinking.	User has attempted to sharpen with a cycle count greater than the number of cycles remaining on the Grinding Ring .

With the triggers slid down, raise the head unit.



3 CLOSE THE HEAD UNIT

Slide the triggers down and place the head unit back into position.

3 SETUP

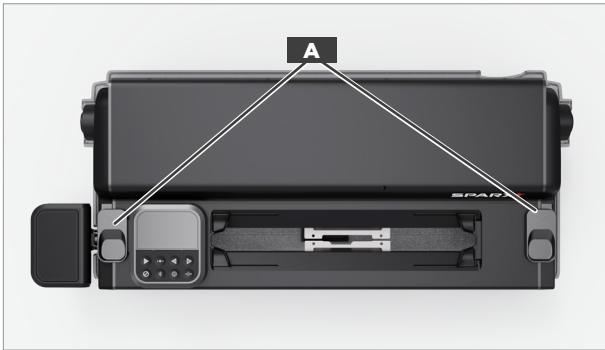
In order to begin setup of the sharpener, you must retrieve the included accessories that are stored within the Sharpener Base. To gather the accessories and begin setup you must lift the head unit as explained below.

LIFTING HEAD UNIT

▶ To watch the How-To video, visit sparxhockey.com/howto

1 LOCATE THE TRIGGERS

Located on the top of the sharpener head unit are two **Triggers** (A), one on each side of the sharpener.



2 SLIDE THE TRIGGERS AND LIFT HEAD UNIT

Slide the triggers down as shown below.



ASSEMBLING THE SHARPENER

▶ To watch the How-To video, visit sparxhockey.com/howto

1 INSTALL THE CLAMP LEVER

Slide the **Clamp Lever** (A) onto the **Lever Dock** (B). Press the lever down until it clicks into place. When the **Clamp Lever** is engaged, it will lay at a slight angle.



2 REMOVE THE TRAVEL GUARD

Open the **Skate Clamp** by pressing and holding down the **Clamp Lever**. Remove the **Travel Guard**. Release the **Clamp Lever**.



Transporting or moving the Sharpener without the **Travel Guard** installed voids your **Warranty** and/or **Extended Service Plan**. Always remove the **Travel Guard** before operating the Sparx Sharpener.

3 PLUG IN THE POWER CORD

Plug the **Power Cord** into the **Power Input Port** on the side of the sharpener. Plug the other end into a wall outlet. Toggle the switch on the **Power Input Port** to the on position (I=on, O=off).



ALIGNMENT

▶ To watch the How-To video, visit sparxhockey.com/howto



The **Alignment** process is required when you first receive your Sparx Sharpener. Be sure to inspect the alignment after every time the sharpener is moved and/or travels.

1 INSTALL THE ALIGNMENT RING

Lift the **Head Unit**. The **Carriage** will automatically move into the install position, and the sharpener will play a "ready" tone. While holding the **Grinding Ring Arbor** (C), unscrew the **Thumb Nut** (A). Slide the **Alignment Ring** (B) onto the **Grinding Ring Arbor** (C), with the label facing out. Replace and tighten the **Thumb Nut** until hand-tight. Close the **Head Unit**.



2 INSTALL THE OPTICAL ALIGNMENT TOOL

Press down on the **Clamp Lever** to open the **Skate Clamp**. Place the **Optical Alignment Tool** (with Sparx™ logo facing towards the user) into the **Skate Clamp**. Place the **Optical**

Alignment Tool into the slot and let it fall into place. Release the **Clamp Lever**.

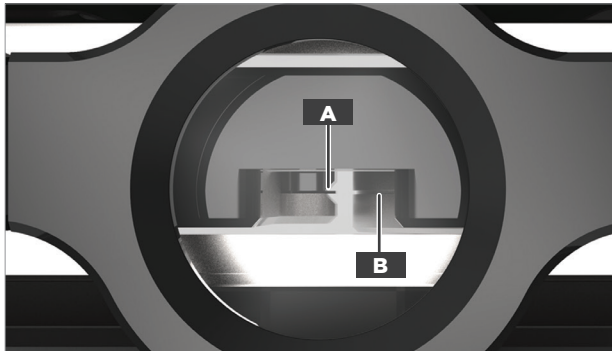


3 INITIATE ALIGNMENT MODE

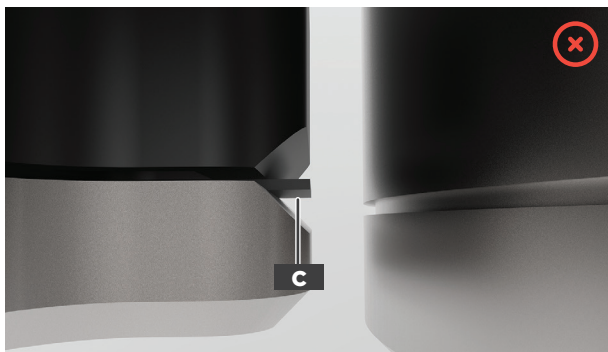
Press the **Alignment Button** to send the **Carriage** to its alignment position. When the **Carriage** is in place, a tone will sound and the case will illuminate white.

4 LOCATE THE TAB AND GROOVE

Look through the eyepiece of the **Optical Alignment Tool** and locate the indicator tab (A) of the **Optical Alignment Tool** and the groove (B) on the **Alignment Ring**.

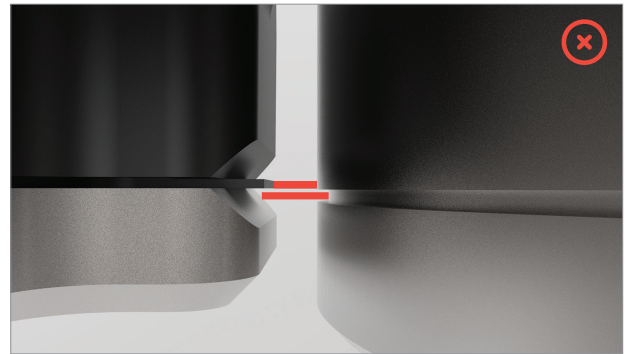


Ensure you are looking straight through the eyepiece directly above the indicator tab and groove. If you see the indicator tab side wall (C) when looking through the eyepiece, you are not directly above the indicator tab and groove. Adjust your line of sight until you can no longer see the indicator tab side wall.

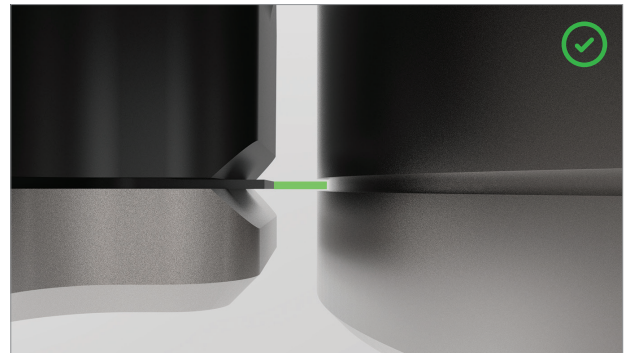


5 INSPECT THE ALIGNMENT

If the indicator tab of the **Alignment Tool** is not aligned with the groove on the **Alignment Ring** (as shown below), move to step 6.



If the indicator tab of the **Alignment Tool** is aligned with the groove on the **Alignment Ring** (as shown below), end **Alignment Mode** by pressing the **Alignment Button** and move to step 7.



6 ALIGN USING THE ADJUSTMENT DRIVER

Locate the **Driver Slot** and place your **Adjustment Driver** in and begin to adjust your alignment as needed. Turning to the right moves the **Alignment Ring** towards the back, while turning to the left moves the ring to the front. Adjust until the indicator tab is aligned with the groove on the **Alignment Ring**. End **Alignment Mode** by pressing the **Alignment Button**.



7 REMOVE THE OPTICAL ALIGNMENT TOOL

Press down on the **Clamp Lever** to open the **Skate Clamp**.
Remove the **Optical Alignment Tool**.

8 REMOVE THE ALIGNMENT RING

Lift the **Head Unit**. The **Carriage** will automatically move into the install position and the sharpener will play a “ready” tone.
While holding the **Grinding Ring Arbor**, unscrew the **Thumb Nut** and remove the **Alignment Ring**.

9 INSTALL THE GRINDING RING

While holding the **Grinding Ring Arbor** (C), slide the **Grinding Ring** (B) on the **Grinding Ring Arbor** (C), label facing out, and replace and tighten the **Thumb Nut** (A) until hand-tight. Close the **Head Unit**.



4 OPERATION

LOADING A SKATE

**For loading goalie skates and figure skates see the end of this section.*

▶ To watch the How-To video, visit sparxhockey.com/howto

1 LOAD THE SKATE

Press and hold down the **Clamp Lever** to open the **Skate Clamp**. With the skate toe pointing right and the laces tucked into the skate, set the skate into the **Skate Clamp** slot letting the plastic blade holder rest on top of the clamps. Center the skate blade in the **Skate Clamps**. Release the **Clamp Lever**.



We recommend inserting the skate into the **Skate Clamp** with the toe pointing to the right. For most skate blades, this orientation allows for the greatest flexibility in **Grinding Ring** height adjustment. It is, however, acceptable to insert the skate with the toe facing in either direction.

2 CLOSE THE SLOT COVERS

Move each **Slot Cover (A)** in toward the skate until they touch the blade holder.

