

X8 KNEE BRACE USERS GUIDE

October 28, 2025

WARNING

WARNING! IT IS VERY IMPORTANT THAT YOU READ AND FULLY UNDERSTAND THIS USER GUIDE PRIOR TO USING THE X8 KNEE BRACE. KNOWING THE RISKS INVOLVED WITH USAGE AND ACTIVITIES, USE THIS PRODUCT AT YOUR OWN RISK.

INTRODUCTION

Thank you for purchasing X8 Knee Brace. You will notice that the X8 Knee Brace is much different than a conventional knee guard. Realizing that conventional rigid guards are ineffective in preventing knee injuries, Mobius Technologies LLC, developed a completely new technology using an external flexible cable proven to be much more effective reducing strain on the knee.

The unique design of the patented Mobius Continuous Cable Routing System (CCRS) dynamically changes the tension in the cable throughout the legs full range of motion reducing excessive bending (lateral and medial), rotating/twisting, and hyperextension while allowing more mobility.

When an un-natural bending or twisting force is applied to the leg the cable becomes progressively tighter, gripping the leg and preventing the unwanted movement that can cause injury to the knees main ligaments (ACL, MCL, PCL, & LCL) or discomfort to injured knee ligaments.

The innovative CCRS design crosses the knee joint both longitudinally and transversely just like the body's own ligaments. The CCRS tightens and resists the Anterior Translation of the Tibia reinforcing the Anterior Cruciate Ligament (ACL).

The tension in the CCRS progressively tightens keeping the knee joint tight, resisting rotation (twisting) and reinforcing the main ligaments inside the knee. The CCRS pulls the Tibial Shell upwards towards the Femoral Shell preventing the guard from moving down the leg. When properly sized and fitted, there is virtually no migration with the X8 Knee Brace.

This new guard technology works so much better than conventional knee guards you can actually feel the guard working. Try it on and feel the difference for yourself.

PERFORMANCE AND MARKINGS

This product is considered Cat. II Personal Protective Equipment (PPE) against medium risks satisfying the essential health and safety requirements under European Regulation 2016/425. The conformity to the provisions of this Regulation has been verified by RICOTEST Notified Body nr. 0498 (Via Tione 9, 37010 Pastrengo – Verona – Italy) through the CE – certification procedure and laboratory testing in accordance with Standard EN1621-1:2012.



Indicates CE Marking, which denotes conformity with the essential health and safety requirements of Regulation (EU) 2016/425 – Annex II.



Indicates UKCA Marking, denoting compliance with the Regulation (EU) 2016/425 (as brought into UK law and amended).

EN1621-1:2012

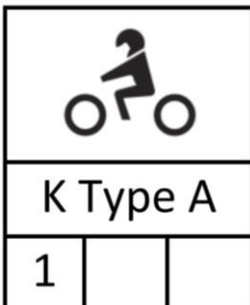
Indicates Reference Standard.



Indicates Manufacturer is Mobius Technologies, LLC.

X8 Knee Brace

Indicates the product designation.



Indicates the product is intended for Motorcycle Use.

Indicates the product is for the Knee (K) and is the smaller size (Type A).*

Indicates level of protection is Level 1.** Indicates the OPTIONAL symbols: T+ (the protector has passed the impact test at high temperatures, +40°C)/T- (the protector has passed the impact test at low temperatures, -10°C). If the corresponding space is vacant the test was not claimed.

L (ex.)

Indicates the commercial size.

Area	Type	Level
K	TYPE A	LEVEL 1

* Type B protector dimensions are intended to cover the needs of most motorcycle riders. However, for ergonomic reasons, in certain cases the type B protectors may be unsuitable. In such cases the alternative type A protectors may be chosen by the user: the area protected by type B is bigger than the one covered by type A.

** LEVEL 1 = protectors designed to give protection whilst having low ergonomic penalties associated with their use.

LEVEL 2 = protectors providing an increased protection with respect to level 1, however, there may be weight and restriction penalties associated with level 2 protection.

EU DECLARATION OF CONFORMITY

The EU declaration of conformity can be obtained by going to the link www.mobiusbraces.com/DoC.

INTENDED USE

The X8 Knee Brace is designed to be used during motorcycle activities for reduction of knee injuries while doing these activities. The field of application of these knee guards is motorcycling only. EN 1621-1 protectors will provide some protection against injury caused by impacts with road surfaces in motorcycle accidents. They may also slightly reduce the injuries caused by impacts with objects such as other vehicles.

LIMITATIONS OF USE

X8 Knee Brace will provide limited protection and cannot protect the user from all foreseeable injuries. Although X8 Knee Brace is designed to help reduce the risk and/or severity of knee injuries, there is **no guarantee** that an injury will be prevented by the use of this, or any other safety equipment. This product shall only be used when properly sized, fitted and attached according to the instructions in this user guide. **Use at your own risk.**

For the temperature of use, it is recommended that the protector is not exposed to extremely high or low temperatures; climatic variations such as dramatic/sudden increase of the temperature can considerably reduce the protection offered by the device.

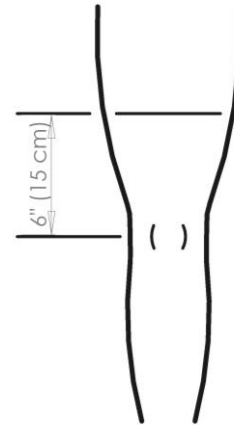


X8 Knee Brace PARTS BREAKDOWN

1 Cable	5 Patellar Shell	9 Tibial Strap #1	13 Femoral Strap Pad	17 Tibial Shell Pad
2 Femoral Shell	6 Extension Stop	10 Femoral Strap #4	14 Tendon Back Plate Pad (Standard)	18 Patellar Shell Pads (Optional)
3 Tibial Shell	7 Cable Tensioning Dial	11 Tibial Strap #3	15 Femoral Shell Pad	
4 Tendon Back Plate #2	8 Cable Release Button	12 Tibial Strap Pad	16 Patellar Shell Pads (Optional)	

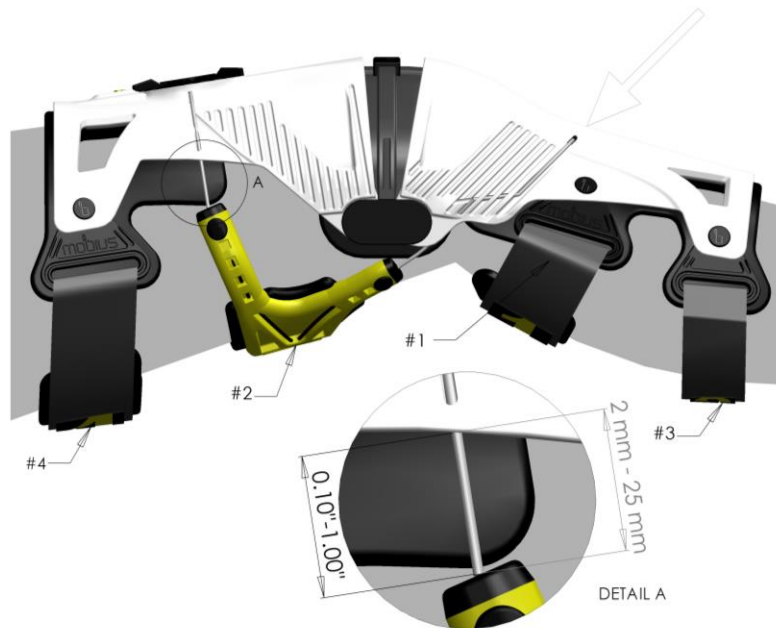
SIZING GUIDE

From the center point of the kneecap, measure 6 inches (15 cm) vertically, or up the thigh, then measure the circumference of the thigh.



Sizing	Thigh Circumference	Knee Width
XS	15" – 17" (38 – 43 cm)	3.2" – 3.6" (8.1 - 9.1 cm)
S	17" – 19" (43 - 48 cm)	3.4" – 4.2" (8.6 - 10.7 cm)
M	19" – 21" (48 – 53 cm)	3.4" – 4.2" (8.6 – 10.7 cm)
L	21" – 23" (53 – 58 cm)	3.4" – 4.2" (8.6 – 10.7 cm)
XL	23" – 25" (58 – 63 cm)	4.2" – 4.8" (10.7 – 12.2 cm)

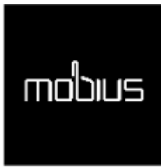
Warning: If the #2 Tendon Back Plate contacts the shells and will not tighten any further, the guard is too large for you. Using an X8 Knee Brace that is too large for you will not function as designed and will not protect you properly. It may also cause premature wear of the device and may void the warranty.



FITTING

Step 1 - First hold back the cable release button and pull out the tendon back plate until the cable is fully extended. Then slide the guard over your leg and center the patellar shell over your kneecap while bending your leg. The guard should fit snug on the sides of your knee. If the guard is loose or too snug choose an optional patellar shell pad until the brace fits snug against the sides of your knee.

Step 2 - While holding the tibial shell firmly against your upper shin, attach Velcro strap #1 locating the tibial strap pad above your calf muscle and just below the crease behind your knee.



Step 3 – While holding the tendon back plate against the back of your thigh and above the crease behind your knee turn the cable tensioning dial clockwise until the cable is tight.

After adjusting the cable tensioning dial to your desired amount of resistance there should be between 0.10”(2 mm) and 1.00”(25 mm) of exposed cable, as shown in Detail A above.

If the distance is less than 0.10”(2 mm) and the cable tensioning dial locks out and you can’t achieve proper tension in the cable then you need to try a smaller size brace.

If the distance is more than 1.00”(25 mm) then you need to try a larger size guard.

Step 4 – Attach Velcro straps #3 and #4 and re-adjust cable tensioning dial, if necessary, so that the cable is as tight as you can make it without being too uncomfortable. The tighter you make the cable the better knee protection you will have.

Removing guard

To remove the guard first remove Velcro straps #1, #3, and #4. Then, while holding back the cable release button pull the femoral shell away from your thigh until the cable is completely extended and remove the guard.

CLEANING

Remove the foam padding. Clean everything with a cloth damped with soap and water, including the foam pads. Dry with a cloth and then air dry. Replace the foam padding when completely dry.

Do not use harsh chemicals or other common substances such as solvents, contact/brake cleaners, degreasers, etc. These products can cause damage that may not be visible to the user, and which may compromise the effectiveness and/or safety of this product.

STORAGE / TRANSPORTATION

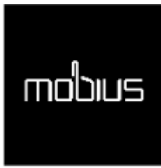
Store in a dry, well-ventilated environment, avoid direct sunlight, and extreme temperatures.

Do not place heavy objects on top of your X8 Knee Brace, since compression can damage the integrity of structure of the X8 Knee Brace.

MAINTENANCE

For maximum performance, safety and support, the X8 Knee Brace should be visually inspected prior to each use. Always check for loose hardware and tighten if necessary. If a collision or accident takes place while this product is in use, visually examine all components thoroughly. If your Mobius knee guard show any signs of damage, including but not limited to cracking, deformity, or discoloration due to stress cracks, STOP using this product and return the product to the seller for inspection, or discard and replace them. Do not attempt to repair this product yourself. No repair or replacement warranty will be honored on any X8 Knee Brace which is found to have been altered or repaired by anyone unauthorized to make any such repairs.

Do not make any custom modifications to this product. This includes, but is not limited to, drilling holes, painting, cutting, heating, bending, or attaching items to this product in any way not outlined in this guide. Any such



modifications may compromise the Mobius guard and its effectiveness, safety, strength, and/or protection. Further, any modifications made to the Mobius guard will void all warranty claims.

INDEMNITY

Mobius products cannot protect the user from all foreseeable injuries. By using this product the user accepts the risks involved with sports, and understands that no safety equipment device can guarantee that any injury will be prevented. Perform these activities with caution and always wear appropriate safety equipment. The X8 Knee Brace cannot protect against all potential impact and/or injuries. Although the X8 Knee Brace is designed to help reduce the risk and/or severity of knee injuries, there is no guarantee that injury will be prevented by the use of this, or any other safety equipment. This product shall only be used when properly fitted and attached according to the instructions in this user guide. Use at your own risk.

Should you not accept these terms, please return the X8 Knee Brace in the original packaging, in the original condition, to the agent from which it was received or purchased for a full refund of the purchase price.

DISCLAIMER OF LIABILITIES

Mobius Technologies LLC, its subsidiaries, suppliers, employees, owners, officers, agents, or resellers shall not be held liable or responsible for injury, death, or other damages (including loss of business, profits or punitive damages), to buyer/user and/or his/her heirs, or assigns, which may occur as the result of the use of the X8 Knee Brace, the negligence of any party, whether passive or active, or of any alleged product defect of the X8 Knee Brace. Seller shall have no liability whatsoever to buyer if the damage or injury claimed by buyer, has been the result of misuse, alteration, accident or abnormal conditions of operation or handling, as determined solely by seller or its authorized sales outlet.

WARRANTY

X8 Knee Brace carries a limited, one (1) year warranty for manufacturing defects for the original purchaser.

IMPORTANT! To be eligible for this warranty, you must retain your original receipt. This warranty is intended for the original purchaser and is non- transferable.

Warranty servicing is valid only in country of purchase. Service charges will apply if serviced outside the country of sales origin. Warranty void on all third party purchases.

Mobius will repair or replace (at its discretion) the product and/or its components, if it is determined by Mobius to be defective in materials or workmanship for one year from date of purchase.

Mobius Technologies, LLC.

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