



User Manual

SHARPENING KIT FOR SYMMETRICAL KNIFE

SHARPENING

KMFS® sharpener

Name:	User Manual Sharpening system with accurate angle retention
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1) Introduction

Congratulations on purchasing our **KMFS sharpener** sharpening system! We wish you a lot of fun sharpening and creating excellent impressions of your knives with cutting edges made by you. The primary purpose of this User Manual is to make you familiar with the sharpening system and to provide recommendations that will make working with the sharpening system easier.

The sharpening kit is made exclusively in the Czech Republic from premium materials. Each kit is manually finished and assembled with maximum attention to detail, because we believe that only premium products of the best quality lead to perfect knife-sharpening results.

All the information (including contact details) shown in this manual is current as of the time of printing. In case this manual is lost or updated, it can be downloaded freely at any time from our product website www.kmfs.cz.

2) General instructions

- The sharpening system is designed for sharpening all types of knives with a straight edge, not for serrated blades.
- The maximum thickness of blades sharpened with the clamp screws supplied is 6 mm.
- Sharpen when dry only; do not use water or other lubricants.
- Clean the kit using dry methods only. The kit is designed and manufactured to be maintenance-free.
- Diamond whetstones are capable of sharpening any knife material — metal as well as advanced ceramic knives.

3) Important notices

- Keep in mind that knife handling requires increased caution for the person handling the knife, as well as for other people moving around nearby.
- Never leave a clamped knife unattended.
- The knife attains a very high degree of sharpness at the end of the sharpening; keep this in mind to avoid injury.

4) Pack contents

- knife vice with mechanism (never leave a clamped knife unattended)
- two sharpening segment fasteners (whetstone holders)
- table-fastening clamp
- blade angle gauge
- knife fastening key
- *diamond whetstones

*with kits supplied as a set

5) Work procedure



Remove all the parts of the pack contents from the carry case; the whetstones may be placed underneath the bottom foam sheet.



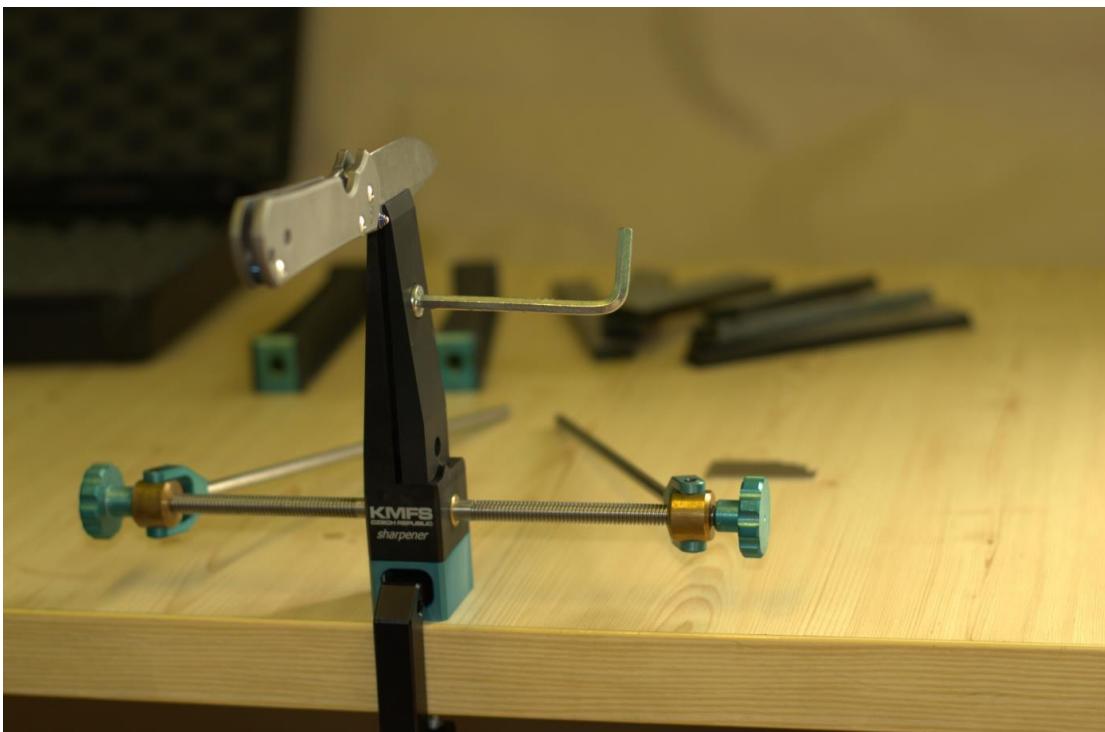
Place the kit on a firm workbench edge so that the hole for the clamp (in the blue cube at the bottom end of the knife vice) faces towards you.



Insert the clamp in the clamp hole and use the plastic ring to fasten the clamp so that the knife vice is firmly fastened to the bench and cannot move.



Use an Allen key to loosen the top screw of the knife vice so that the gap in the vice is wider than the thickness of the knife blade you are about to sharpen.

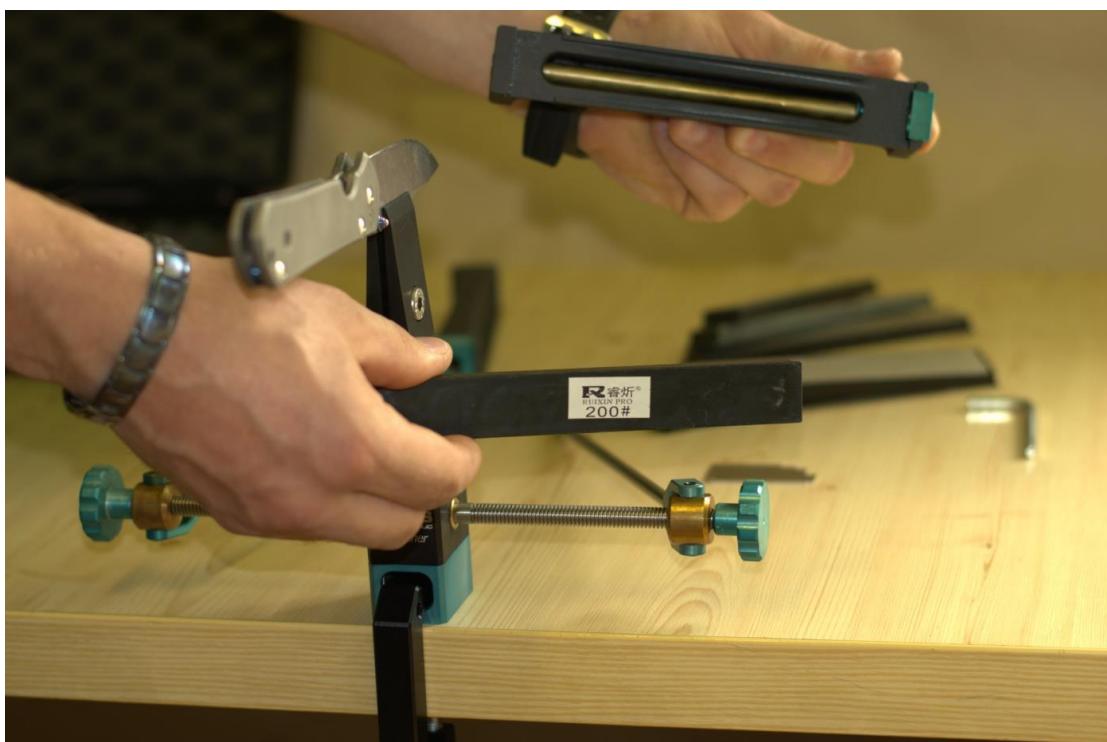


Insert the knife in the vice so that the cutting edge faces upwards and the tip of the knife points away from you. Do not insert the knife too deeply in the vice; fasten shorter blades as close as possible to the handle, longer knives up to the middle of the blade to reduce sagging when the knife is being sharpened.

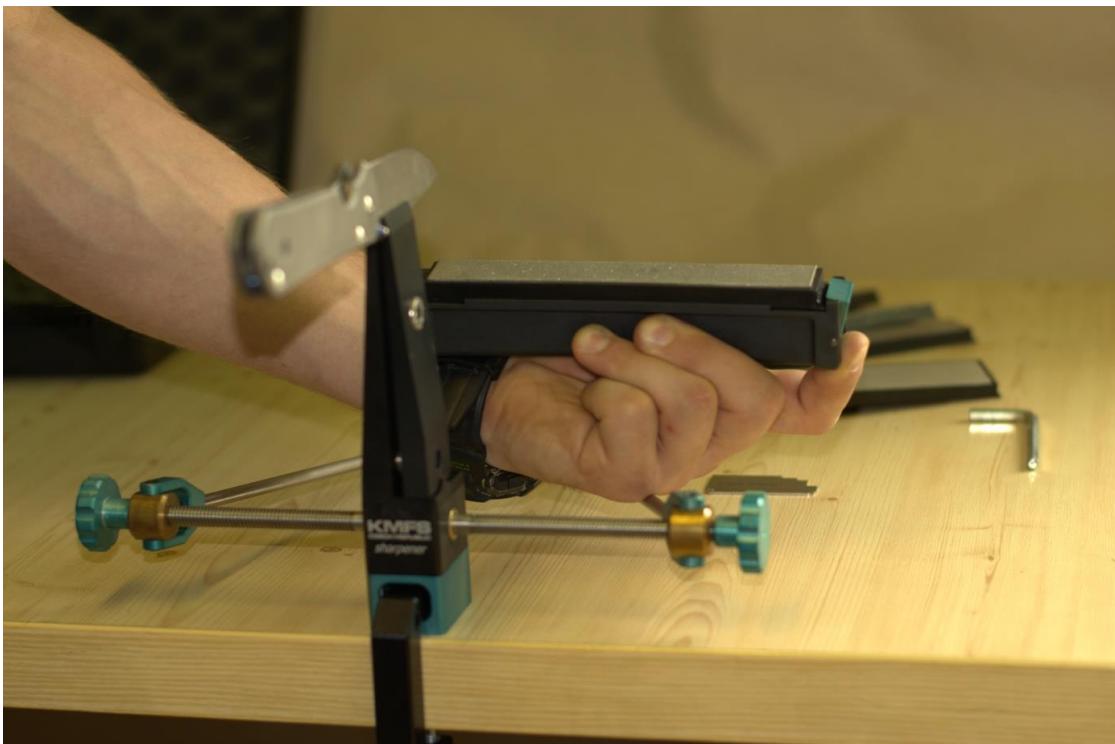
Tighten the top vice screw by lightly rotating clockwise.



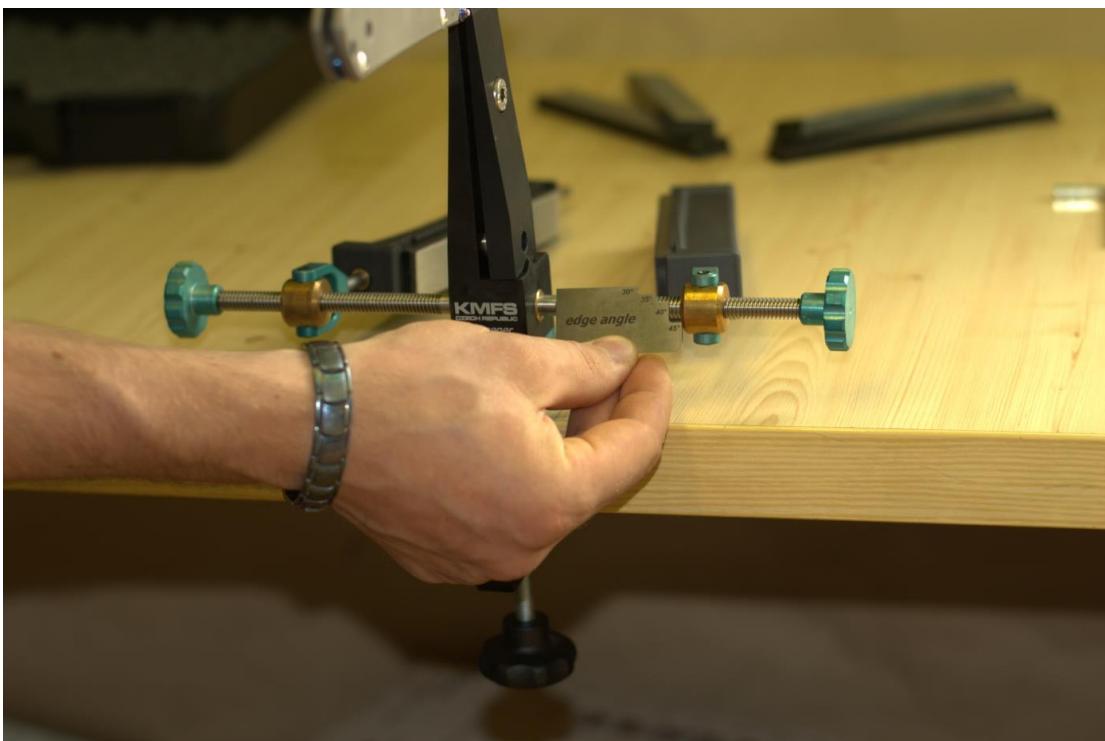
Now tighten the bottom knife vice screw counterclockwise so that the knife is fastened firmly and cannot move in the knife vice. The bottom knife vice screw is accessible through the hole on the right under the top knife vice screw.



Now insert the whetstone with the lowest number (coarsest stone) in the whetstone carrier.



Press the flap on the whetstone carrier, insert the whetstone, and release the flap. The stone is now firmly fastened.



Set the desired sharpening angle: rotate the rings to either increase or decrease the angle. After each full turn, the spring-operated latch automatically secures the sharpening angle. You can obtain the sharpening angle from the manufacturer, or use your own as needed. The angle gauge is applied to the right motion screw according to the picture: the left side is at the start of the thread, the right side of the gauge is on the left end of the brass nut. The resulting angle is described on the surface touching the nut, depending on the distance.



Now slide the left and right carriers alternately up and down the blade, so as to sharpen both sides of the knife identically. Do not stop sharpening using the coarsest whetstone until the sharpened surface extends all the way to the knife cutting edge. For better visibility, we recommend colouring the cutting edge with a black marker. The black line must not remain above the sharpened surface towards the cutting edge.



Replace the whetstone in both carriers with a finer one and again sharpen both sides of the blade until all signs of previous sharpening disappear.



Now insert the whetstones with the highest number: the finest, and again sharpen until you completely erase all signs of previous sharpening.

Now you should have achieved a fine cutting edge with a great sharpness.

Very carefully, release the knife from the vice by loosening the bottom knife vice screw clockwise, and put the knife in a safe place.

6) Maintenance and properties

Cleaning and care

The sharpening system is designed and manufactured to be maintenance-free; we only recommend cleaning it with a dry cloth or brush after each use.

Details

Accurate angle setting due to 1.5mm steps on the lead screw. Identical angle setting on both sides due to bound movements of the left and right sides. The movement of the articulated nut on the lead screw reduces the effect of the raised bezel of the knife tip.

Packaging:

plastic carry case with soft PUR lining

Material:

- ENAW 7075 T651 duralumin alloy, hard coloured anodising
- stainless steel lead screw, lead bars and bolts, stainless steel angle gauge
- bronze lead bushes, lead screw and articulated nut bushes

7) Service

Any more extensive servicing has to be done by your dealer (list of authorised dealers is shown on the website www.kmfs.cz), who is competent to do the servicing. Unauthorised repairs lead to voidance of warranty. If in need of servicing, please contact us:

KRINNER MULTI FIX s.r.o., manufacturer in the Czech Republic, www.kmfs.cz

info@kmfs.cz, +420 778 008 877.

8) Warranty

Warranty terms and conditions for the Czech Republic*

The mandatory period for warranty terms and conditions is 24 months from the date of purchase. The warranty ensures that the sharpening system is free of defects in material and manufacturing throughout the mandatory period after the date of purchase. Inspection of defects and their causes is always made in the main repair shop or authorised repair shop, or by certified dealers, and involves:

- Identification of the cause of the defect (warranty, non-warranty servicing).
- Repair or replacement of the defective component.
- Work time.
- Supply of spare parts for repairs under warranty. Replaced defective parts become our property.
- In the event of a justified complaint, we pay the costs of dispatch, disassembly and assembly. The complaint has to be proven by presenting the proof of purchase (invoice).
- The buyer has to refrain from using the sharpening system purchased for any purpose other than that specified in the User Manual.
- If the sharpening system has been modified by a third party, non-original parts have been installed, or any of the defects are associated with such modifications, the complaint becomes invalid. Moreover, the complaint becomes invalid if instructions for handling the sharpening system are not adhered to and specified actions have not been carried out correctly.

* for other territories, please consult your local dealer.

- Damage caused by road bumps, hail, road salt, industrial waste gases, poor care (e.g., poor battery charging) or inappropriate products used for cleaning.
- Components that are replaced in the course of normal maintenance, such as batteries, tyres, brakes.
- Wear parts, such as tyres, brake pads, cables, lamps, fuses, batteries, footboard, brake cable or the suspension fork.
- Costs of maintenance, servicing and cleaning.
- Defects originally associated with insufficient battery charging.

Additional information:

- A claim entitles the customer to demand that a defect be eliminated. The right to return shall only be exercised after several failed attempts at improvement.
- The manufacturer is liable for assessing and deciding whether a case is a complaint.
- Compensation is not awarded for direct or indirect claims.
- Claims arising from the warranty shall only be considered in case they are raised against a relevant KMFS dealer or KMFS exclusive representative or the manufacturer itself, immediately after defect identification.
- Warranty claims do not result in renewal or extension of the warranty period.
- The warranty terms and conditions only apply in the Czech Republic.
- Agreements other than those specified above are only valid if they are confirmed by the manufacturer in writing.
- Please call our service line if you have any technical questions or problems related to the warranty.