

# Accessory

Beneath is simply a brief information about the applications area. Subsequently you will discover the simplicity of grinding and the enormous chances that follows with the three accessories

**Grinding support** to chisel, plane-iron, shears, axes etc. By moving forward or backward nr 2. you can maintain different grinding angles. The front side obtained on nr 1 should be around 2 mm over the grinding stone.



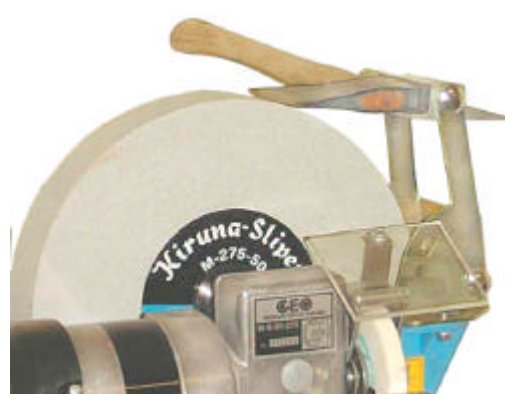
If you want to grind an axe or something similar turn application nr 1 a half round.



After adjusting the desired grinding angle, screw firmly the three screws to ensure the stability of the grinding –support. Following is instructions about how to grind different tools.



Place the axe according to the picture. Adjust the grinding angle by moving nr 2. Draw the screws firmly and grind. When you are done with one side turn only the axe and grind the other side.



If you are grinding tools with a big angle turn application nr 1. For example different types of scissors. Just remember to properly draw the screws



Grind jig for chisel, plane-iron, black-steel etc. This grinding is a good assistance facility to all, It goes very rapidly to grind and if you desire to examine the tool while grinding you do so and continue later on. Keep in mind that the tool can be placed in the same position. This allows you to avoid damages under the grinding stage. This can as well be used with different types of tools.

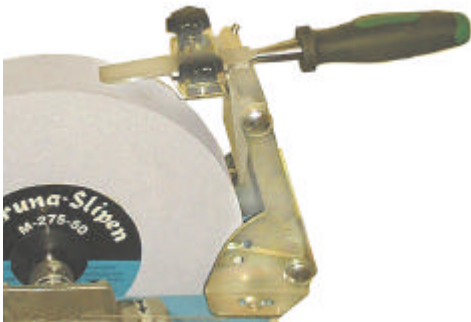
This is the way you turn application nr. 1 when using the grind-jig.



This is how you assemble the grind-jig on the tool.



This is how you grind the tool. Keep in mind that the jig should be placed between the application and the grindingstone as illustrated in the picture.



This is how you assemble the jig on a plane-iron. As you can see I have turned the jig a whole round with comparison to the chisel. Just remember to round the plane-steel while grinding. This minimize the possibility of stripes that can otherwise be formed by sharp edges of plane-steel.



To start with grind the plane-steel straight. When you are ready turn it slightly to each side to ensure you a small contrast of edges and a good result.



Grind jig for knives, Ferrier, snow drill cutting and short cutting etc.

Spin and tighten the tool with accordance to the picture, Control that the tool is positioned straight in the jig.



Place the grind jig on the grind stone according to the illustration. Grind one side, then turn both the knife and the grind-jig a half turn and continue grinding.



An out-flow is available to adjust the grind stone of the Kiruna-grinder. Start your adjusting from the edge to the center to avoid splintery.



To obtain a good result you must have the rights working position and height .

**What is grinding?** Grinding is a filing separating process where one or many grinding corn penetrates with in the article that is processed.



## Measuring and applying the grind support.



You will be in need of different edge angle at you work. More detailed information is available on our home page, there you can get many tips and ideas concerning this matter.

I am sure you are wondering about the angle of your tool! This is a simple matter to solve, just use a protractor, which is very cheap to buy.

Place the protractor in the right position and read the measurement obtained. This provides you with the right angle edge measurement of your tool.

Now we shall proceed and discover how simple it is to position the grind support.

With a pencil draw a long vertical line from the center to the highest point on the grindstone. Position the edge of the applicant around 52 mm from the horizontal line. The edge of the applicant should be around 2 mm over the grindstone. Try to prove grind with a chisel and check the edge angle continue to adjust it to 52mm to obtain an edge angle of 24 degree. Then draw the shortest line from the end point of the tool to the end point of the applicant towards center and finally place something on the applicant and draw the horizontal line.

By now you should be able to replace the subject that you have drawn with to another subject that can enable you to use it as often as you wish.

I have described two different alternatives of measurement .The first is a vertical line 52mm to the end point of the applicant. The measurement 52 varies with accordance to the edge angle that is desired.

The second one is how to obtain a specific angle by placing the applicant in a certain way.

When using the jig, measure from the end sharp point on the tool to the vertical line .The edge angle can be slightly different however it is not of importance.

When using the jig measure from the end sharp point to the vertical line on the tool .The measurement varies 10 mm for knives and 45 mm to axes. As you experience it is easy to draw the required angles on your grindstone that you desire .

The third alternative is by imagining that the grindstone is a clock. Draw a long vertical line with accordance to the above, draw whole and half hours till you reach half three. To obtain the angle of you choice put the edge on 10-0n tops of 12 for a knife or one o'clock for a chisel etc.

Try to discover what is best for you and learn about it as you use it.

It is better to start by drawing on a tape and tape it to the grindstone, this will give you a good practice, When you are confident you can draw on the grind stone.



There are 3 screws on the grind stone that you can adjust as you wish.

To obtain a bigger area turn the lower long screw so that the wing-screw falls on the side beside the grind plate.

We are continually developing and upgrading new accessories. To learn more about us please do visit our home page [www.kirunaslipen.com](http://www.kirunaslipen.com)

Yours sincerely  
Gunner Olovsson