

# Carving

Reference  
Document



"Mother and Child" by Mattiusi Iyaituk, 1992

**Art of Nunavik:  
Past, Present and Future**

# Soapstone Carving for Culture Teachers

# Soapstone carving materials at your disposal:

## Manual tools



Set of 5 flat diamond files

Set of 5 fine point diamond files



Soapstone carving materials at your disposal:

Safety accessories



safety glasses

Masks



# Soapstone carving materials at your disposal:

## Power tools

### Accessories included in the boxes



2 industrial power tools



# Soapstone carving materials at your disposal:

## Motor support and accessories



Motor support

Hand tool compartment



Header compartment

Multi-use compartment



Double support for hand tools

# Soapstone carving materials at your disposal:

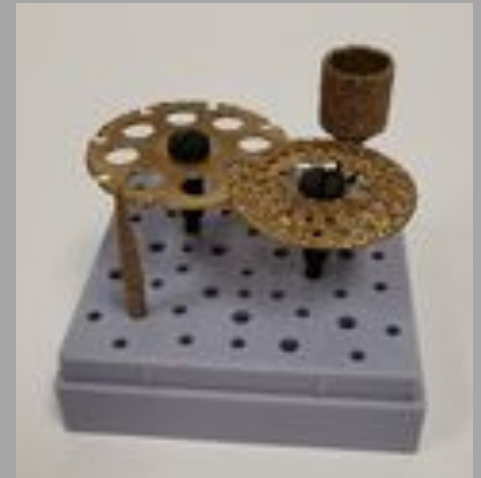
## Bits and cutters (heads)

Drill bits of various sizes



Sanding burr

Assortment of carbide burrs



Housing and burrs



Coarse and fine grained burrs

# Soapstone carving materials at your disposal:

## Finishing accessories



Box of sanding paper



Container of wax



Engraving pencil



Soapstone carving materials at your disposal:

Tune-up material

Accessories in the tune-up kit for  
power tools



2 tune-up accessory kits

# Motor mount assembly

Here are the instructions for assembling the motor mount. Since you will be screwing it into a flat surface, make sure to find a place where you can leave it permanently in your workshop.



1. Attach the support stand using the 3 screws provided and a screwdriver.



2. Place the end of the rod inside the hole on the stand.



3. Using the Allen wrench provided in the box, tighten the rod in place.



4. Install each compartment by sliding it onto the rod and screw it into place with the Allen wrench provided in the box.



5. Place the extension support inside the rod.



6. Using the Allen wrench provided in the box, screw the extension support in place.

## Motor mount assembly (continued)



6. Take the first spring and install it in a hole of the extension support.



7. Install the second spring next to the first one on the extension support.



8. The support stand is now ready for use.

# Assembly of hand tool for power tools

Here are the assembly instructions for the hand tool included in the power tool box.



1. Find the packaging for the hand tool included in the power tool box.



2. Make sure you have all the pieces you need for assembly.



3. Attach the chain to the blocker.



4. Attach the other end of the chain with the wrench.



5. Close to the end of the hand tool, you will find a hole, see picture above.



6. Take the blocker and insert it in the hole (you must turn the cap to align the holes).

# Assembly of hand tool for power tools (continued)



7. Make sure the blocker goes from side to side of the hand tool.



8. Using the wrench, unscrew the cap at the end of the hand tool.



9. Remove the cap from the end of the hand tool.



10. Remove the tip that is inside the hand tool. You will have 3 sizes of bits.



11. Find the header kit included in the power tool box.



12. Choose the header and the appropriate bit.

# Assembly of hand tool for power tools (continued)



13. Place the tip you have chosen on the end of the hand tool.



14. Replace the cap on the nozzle, without tightening it too much.



15. Place the header in the cap.



16. Using the wrench, tighten the cap.



17. Remove the blocker.  
Your tool is now ready for use.

To change the header, repeat steps 5 to 17.

# Power tool header assembly

Here are the assembly instructions for certain headers provided in the power tool box.



1. Find the header kit provided with the power tool.



2. Take the header and a tip like the one pictured above.



3. Take the piece with the screw (tip).



4. Unscrew the screw.



5. Remove all the pieces and place them on the work surface.



6. Place one of the two rubber seals (ring) on the tip.

## Power tool header assembly (continued)



7. Take the header and place it on the rubber seal on the tip.



8. Place the second rubber seal on the tip.



9. Replace the screw on the tip.



10. Tighten the screw on the tip. Your header is now ready for use.



11. To change the header, unscrew the screw and remove it, then repeat steps 5 to 10.



# Assembling the power tool

Here are the instructions for assembling the power tool, once all the other parts have been assembled.



1. Make sure you have all the pieces you need to assemble the power tool.



2. Plug the motor wire with the pedal wire.



3. Attach the motor to the motor support (you can use the tie-wraps to attach the wire to the support).



4. Take the end of the hand tool between your fingers and expose the socket.



5. Plug the power tool's motor wire into the hand tool socket.



6. When you are not using the tool, place the hand tool in the double support attached to the motor support.

## tips for making a soapstone carving

To make soapstone cost-effective, you should offer pieces of stone the size of students' hands. You can cut the stone with:

- a hand saw
- an axe and a chisel
- a band saw with a diamond blade
- a Dremel-type rotary tool

Before starting their carving, students should make a sketch on the soapstone using a carving tool, a pencil or a dark coloured marker.

Student must wear safety glasses and their mask at all times when working with the stone. We also suggest that students wear old clothes or a lab coat.

Whenever possible, you should work outside.

Students can use manual tools and power tools at any time when creating their soapstone carving. However, we suggest working on the details with manual tools as they will give the students more control.

## Tips for making a soapstone carving

When students use manual tools, you can provide them with a bucket of water so they can regularly wash their soapstone and their tools. This way, there will be less dust in your workshop.

When students carve a part that comes out of the carving, care must be taken not to apply too much pressure as not to break this part. However, if the stone breaks, you can use instant glue like Krazy Glue to repair the carving. Let it dry for a day, sand it and voilà!

When students use manual tools, it is important that they carve outward. It would be dangerous for them to use the tools in their direction; they could cut themselves.

If students have difficulty carving their stone in their hand, they can place it on a brown paper or cloth on a flat surface. This will make it easier!

## Tips for making soapstone carving

When students use sandpaper, it is important to start with the coarsest grit paper and to use the finer grit paper at the very end of the project.

Once students have finished sanding their carving and there are no more scratches made by the manual or electric tools, they are ready to oil or wax their carving.

It is important that the stone is completely dry before applying the oil or wax.

When students are ready to use sandpaper with a grain finer than 400, they can put water on their carving with a brush, and then sand, making sure their stone is wet at all times. This helps the sanding process.

Before applying oil or wax, make sure that your workspace is clean and dust-free.

You can use coconut oil, flaxseed oil or shoe wax.

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