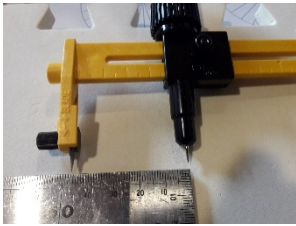# DIY Original Disk

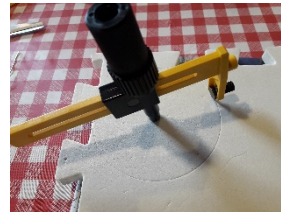## Let's make your original Disk.

What to prepare
Urethane foam mat,
scissors, circular cutter,
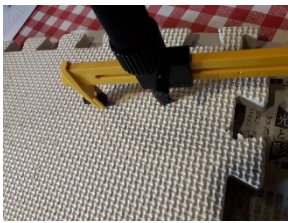utility knife, long needle

Use a ruler to insert a
needle 47mm from the
edge.
The needle will
penetrate to the back.

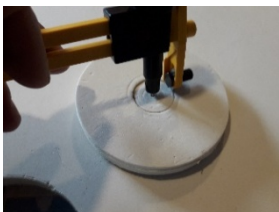

Set the circle cutter to
a radius of 45mm.

Draw a light circle
around the needle hole.
Gradually cut deeper.

Turn the mat over and
lightly draw a circle on
this side as well. Also
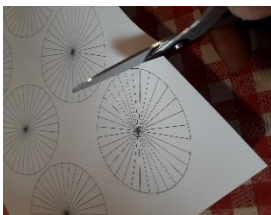make a deep cut at the
end.

It was separated
successfully.

Next, cut a hole in the
center. Cut this from the
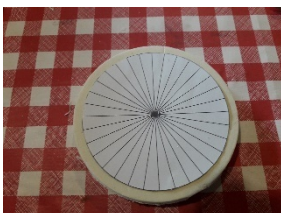front and back in the
same way.(r=12.5mm)

The center was also cut.
Be careful when cutting
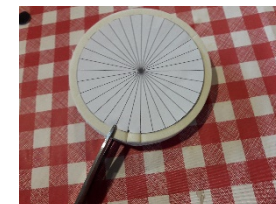the center, as it can
easily come off.

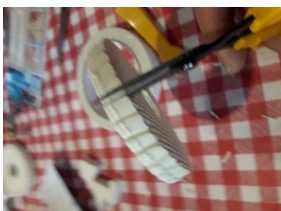Next, prepare the slot
pattern by cutting it.

Attach the cut out paper
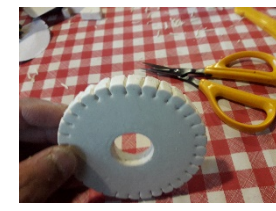pattern with
double-sided tape.

The template was
pasted on the disc.

Make cuts with
scissors.

Next, chamfer the
slot.

It was done like
this.

Turn the smooth side out and number it with a very fine marker.

done. Let's sign.

The mat material is commercially available, and a suitable mat is about 10 mm to 14 mm.

A hard one will be easier to use.

Using this method, you can make 9 discs from one mat. Once you get used to it, you will be able to create a large number of discs in a short amount of time, which is useful for workshops.

You can also use a utility knife to cut the slots. There may be less risk of injury if you use scissors.

Scissors are perfect if you have them for crafts.

If you carefully chamfer the slot, it will go smoothly when braiding.

Once you are good at it, try playing 64 slots or 36 slots.

36 slots are optimal for a 32-row tortoiseshell group.

I think it's easy to use a radius of 80mm for a 64-slot disk, and a radius of 60mm for a 36-slot disk.

If you are using a 10mm mat and want a little more strength, try combining two mats together.

If you put the uneven sides together and stick them together with strong double-sided tape, it will work better than expected.

At this time, be careful not to cover the slot with double-sided tape.