Blazing Ukulele

What you'll need

CubePro

+
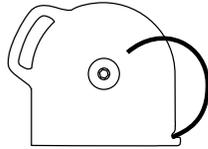
Cartridges

+

Blazing Ukulele 3D files
Download at:
www.Cubify.com/Store/Ukulele

+

**Items you need
to purchase**
(Listed below)

Print settings & material:

We recommend printing in ABS.

Layer resolution: 200 microns

You will need 1-2 cartridges to print all of the ukulele parts.

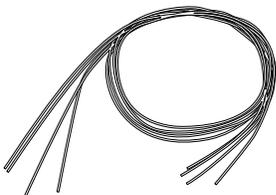# 3D print and assembly time

Print time by piece* (at 200 microns):

- Neck (x1) - approximately 7 hours
- Body (x1) - approximately 16 hours
- Headstock (x1) - approximately 4 hours
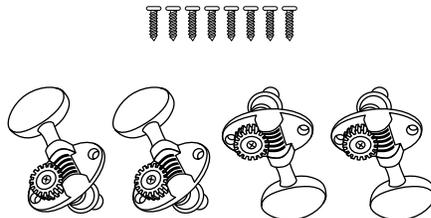- Flame extension (x1) - approximately 8 hours

Assembly time:

Allow about 2 hours for assembly and drying overnight before stringing it.
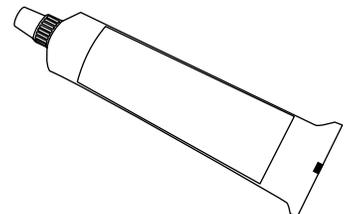
Items you need to purchase:
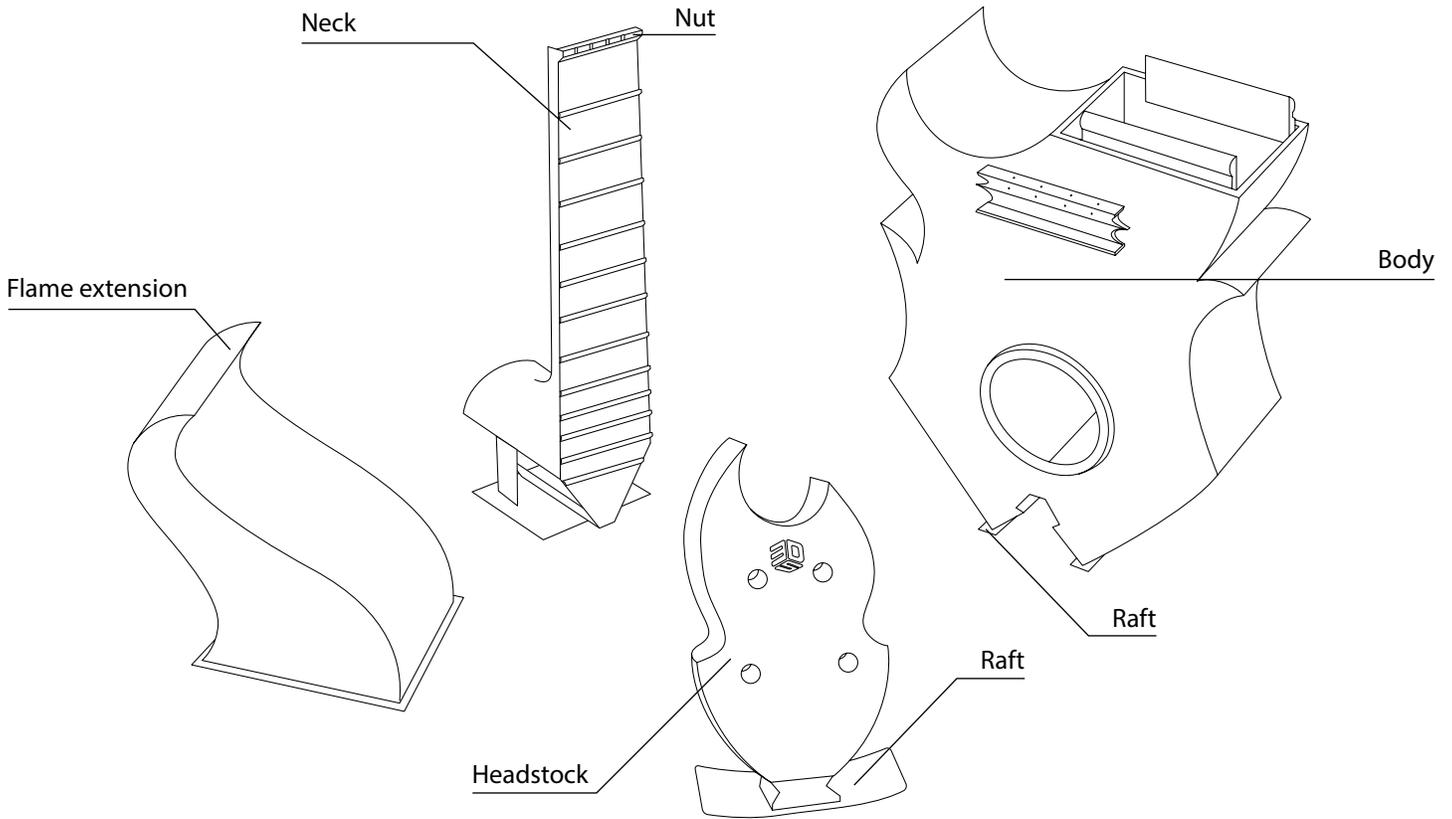

Nylon soprano/concert ukulele strings

Geared tuning pegs**

Plastic adhesive

*The numbers above are estimates, not exact print times. At 70 microns, print times would double.
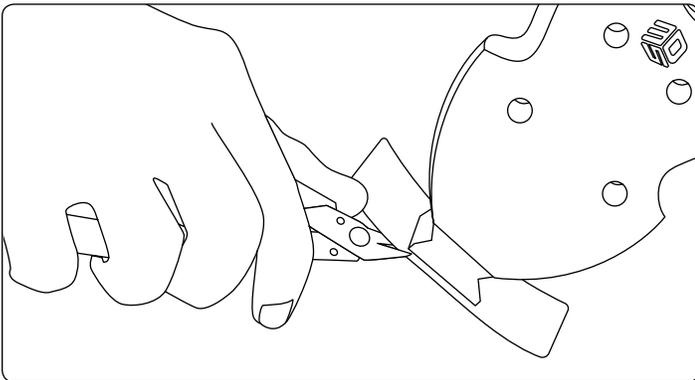70 microns would be for best fit and look but the clean up is the same.
**Caps that come with the pegs are not needed for assembling the ukulele.

Neck Nut

Flame extension

Body

Raft

Raft
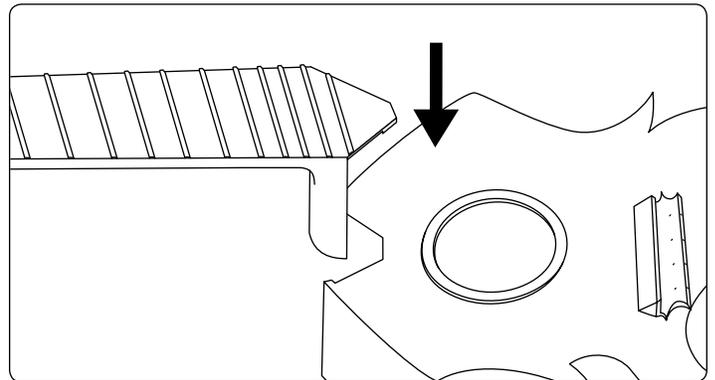
Headstock

How to build your Blazing Ukulele

STEP 1
Download files from www.Cubify.com/Store/Ukulele. Open in CubePro software. Print body, head and neck with rafts.

STEP 2
Remove rafts and support material from all parts after printing. Some parts will require more clean-up than others. Check all parts for fit before gluing together.

STEP 3
Slide neck into slot on ukulele body. Make sure that when sliding it in, the fit is snug. If you choose to add plastic adhesive, make sure to place any plastic adhesive inside slot before sliding the neck into the body.
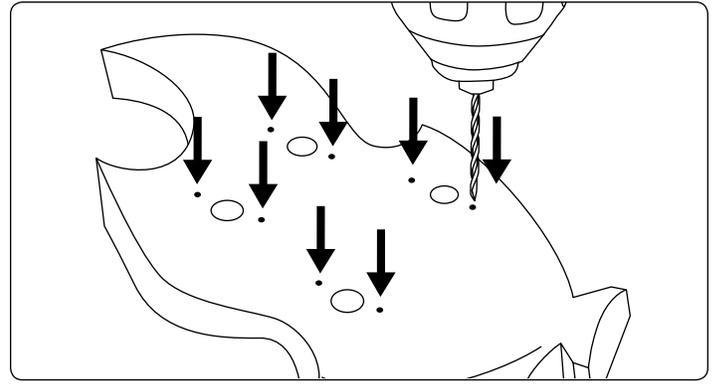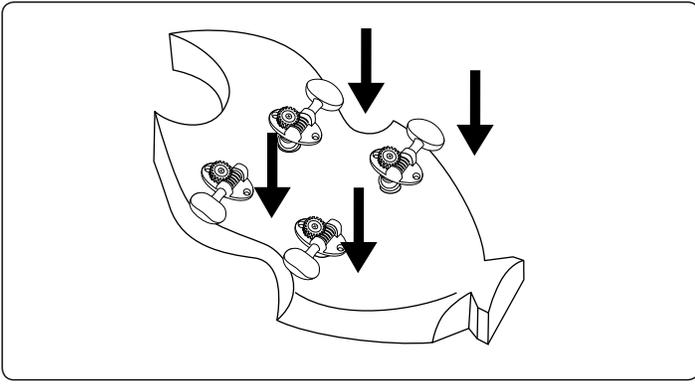
STEP 4

Insert tuning pegs inside holes on the headstock. Make sure your pegs are upright before installing. Using the caps that come with some tuning keys is not necessary. Drill small pilot holes where there are holes in the tuning key hardware. Depending on what design you get for keys, the placement of the holes is different. After drilling the holes, remove the tuning pegs. These will be installed after the ukulele is completely assembled.
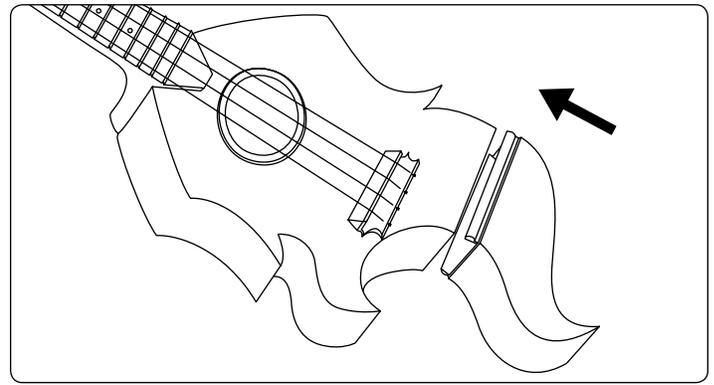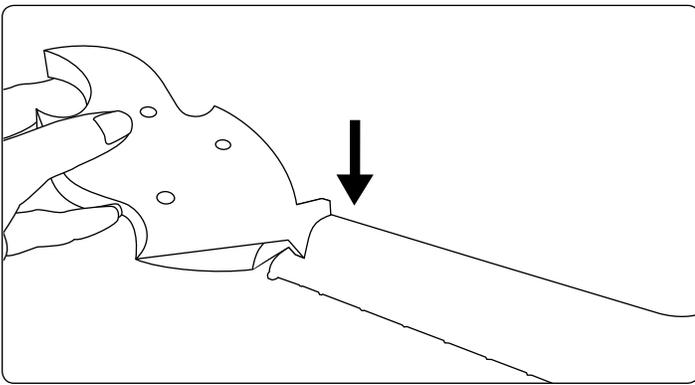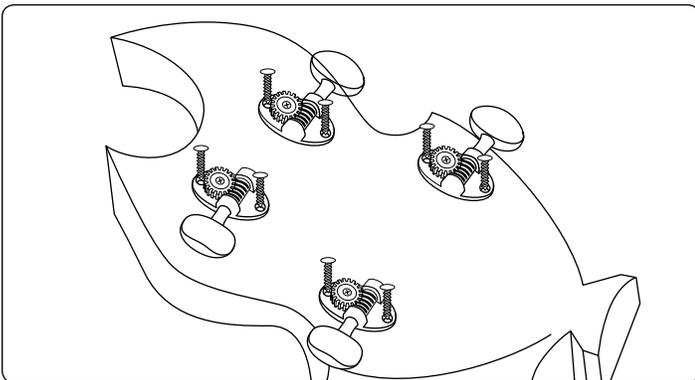
STEP 5

Slide headstock into the slot at the top of the neck, 3DS logo facing the front of the ukulele. Make sure to place any adhesive on the inside of the slot before sliding it in.

STEP 6

Snap the flame extension into place on the bottom of the body. The clips will provide a guide to the fit. Add glue if necessary.
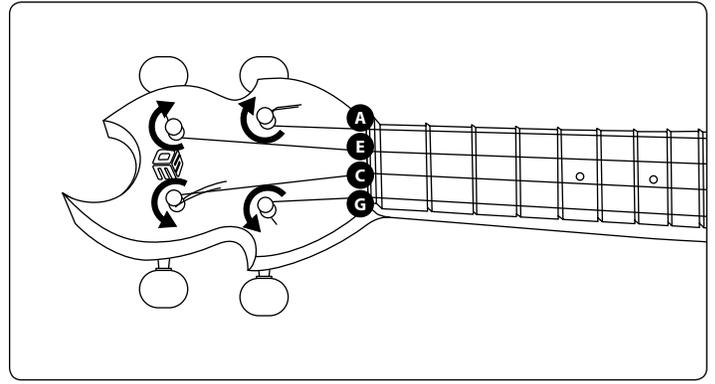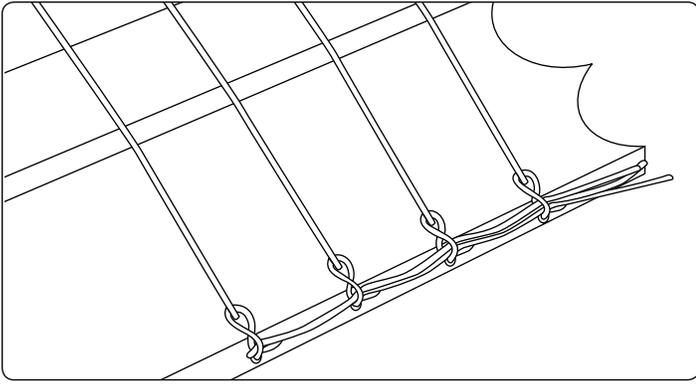
STEP 7

If you have glued your ukulele, let glue dry overnight.

STEP 8

Finish installing the tuning pegs securing them in place with the screws that come with the hardware.

STEP 9
Now you need to string the ukulele. The first step is to tie the strings to the bridge. Be sure to tie the strings to the bridge tightly or when you tune your ukulele it might come loose and you will not have enough tension. For additional tips, there are plenty of online video tutorials on how to string a ukulele.

The string pattern for a ukulele is G C E A. See diagram.

When stringing the ukulele, keep in mind the 2 left pegs need to be strung counterclockwise and the 2 right pegs are strung using clockwise rotation. Make sure when you are tuning your ukulele, the strings are in their corresponding slots on the nut of the neck.

STEP 10
Here are some ukulele chords to get you started. There are plenty of online tutorials on how to tune your ukulele.

Make music and **#Makeit3D**!