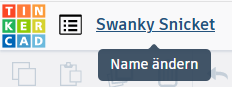
****3D-PrintED KEy Tag**

These instructions will show you how to create a 3D-model of a personalised key tag. You can then print your 3D-model on a real 3D-printer!

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| --- | --- | --- |
|  | Ein Bild, das Text, Shoji enthält.  Automatisch generierte Beschreibung | Ein Bild, das Text enthält.  Automatisch generierte Beschreibung |
|  | First you will design a 3D-model of a  key tag in the program Tinkercad. | The 3D-printer will then print your  design in about 10 minutes. |



1. Give your design a name. Click on the random text in the top left corner and enter your first name.
2. On the right side you will find objects of various shapes. **Drag the red “Box“** onto the blue workspace by clicking and holding the left mouse button down.
3. Click the small white square ![Ein Bild, das Platz enthält.

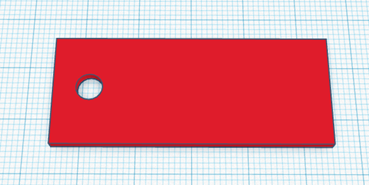
   Automatisch generierte Beschreibung](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAACQAAAAkCAMAAADW3miqAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAkUExURd03Q7YsN38fJwAAAH8fJp+fn8nJyf///8rKyqCgoLUsNwAAALrQsrUAAAAMdFJOU///////////////ABLfzs4AAAAJcEhZcwAAIdUAACHVAQSctJ0AAAA+SURBVDhPYxjagJEFB2CEKgABFmYcgAWqAASoq4iVAw2wYlHEwY4GOEYVjSoiXxFRiQ4roI0iojLnkAMMDABFeQ2NiU4vTwAAAABJRU5ErkJggg==) in the middle of the Box to change its height. Change the **height** from 20 mm **to 2 mm**.
4. Click one of the small white squares at the corners of the box. Change the   
   **width to 50 mm** and the **length to 20 mm**.

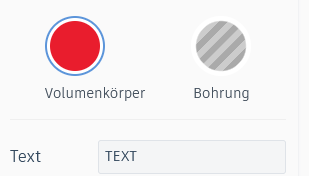


**20.00**

**50.00**



1. A key tag needs a hole! Get a **striped cylinder** and drop it onto the workspace.
2. Click one of the white squares of the cylinder and set **both values to 5 mm**.
3. It can be useful to look **down onto the workspace** when placing the hole. Change the view by holding the right mouse button while moving the mouse.
4. Position the **striped cylinder close to an edge** of your plateby using the arrow keys of the keyboard.
5. Select all objects with the keyboard shortcut  +  , followed by  +  to group them. Wait a little and the whole will be cut out!

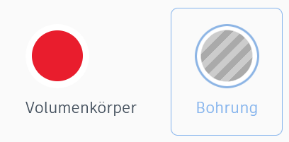


1. Look for the -object on the right side and drag it onto your box.
2. Click the textbox that reads “TEXT” in the window on the right side. Type a short text of your choice (max. 8 letters).
3. Change the **height of the text to 3 mm** (see step 3). It is easier if you change the view first, so that you look at your key tag from the front.
4. **Adjust the length and the width of your 3D-text**. Click one of the white boxes in the corner and drag it to resize the text.

**YOU ARE DONE! Ask for help to 3D print your design 😊**

Ein Bild, das Text, Shoji enthält.

Automatisch generierte Beschreibung

* You can customize your design even further. Add shapes or cut them out, round corners - the possibilities are endless!
* Any shape can be a hole! Click the object and then select the striped circle on the right to turn the object into a hole.
* Is an object hovering in the air? Click it and press the key  to drop it.