

Box with hinged lid & clip close | Scharnierdeckelbox mit Bügelverschluss | FUSION 360 file

Mar Ber

VIEW IN BROWSER

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Summary

A small box with a hinged lid. | Eine kleine Box mit Scharnierdeckel.

Hobby & Makers > Organizers

Tags: box lid clip lock hinge deckel close hinged verschluss locking scharnier buegel

english

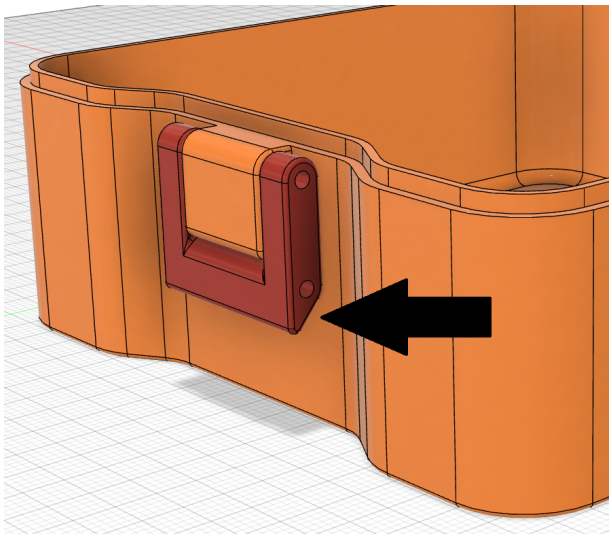
First of all: I appreciate every like and every rating.

A small box with a hinged lid. It is suitable for medium sizes.

As in my small box (https://www.printables.com/de/model/257560-konfigurierbare-box-incl-fusion-file-configurable-), use a piece of filament for the axles.

When assembling, first push the axle into the narrower bracket; make sure that the bevel is positioned correctly

so that you can open the bracket easily later. Then push the axle through the wider bracket and finally the longest axle through the lid.



I always pushed the filament in and then cut it to the right length with a side cutter.

The slicer files have the format [name][width]x[depth]x[height]. These are the external dimensions; 6 mm are currently added to the depth for the hinge.

As always, I include the Fusion 360 design file for your own customizations.

All essential dimensions are based on units of 10 mm. For example, a box measuring 100 x 100 x 40 can be created with the following parameters. Please look at the picture in the german text.

For larger boxes, for example, you can increase the size [unit]; this should actually ensure a stable box. Please note that you will probably have to adjust the axle diameter.

If you are not familiar with Fusion and need a different size than the one provided, you can send me a message asking for it.

edit 2024-05-27

It was pointed out to me that errors occur when resizing in Fusion. I had used a so-called offset for projection edges, which Fusion doesn't necessarily like. The error should be fixed now.

edit 2025-01-28

Now that I have the option of generating 3mf files automatically, I have created an additional 96 files from the combinations width 100, 120, 150, 200 - depth 80, 100, 120, 150 and height 30, 40, 50, 80, 100, 120. This should fulfill many wishes.

Translated with DeepL.com (free version)

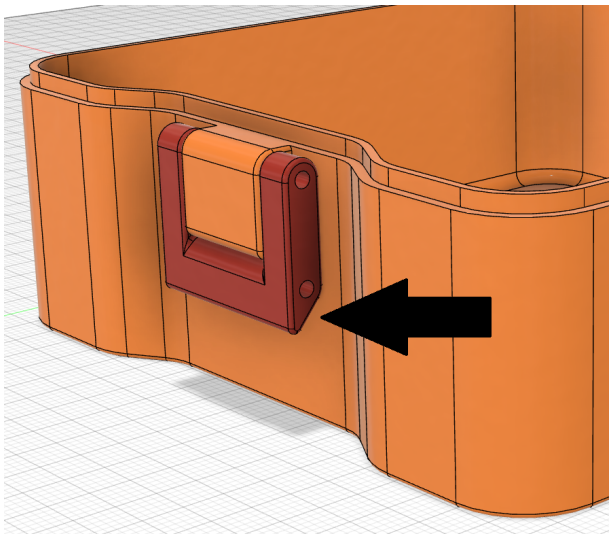
deutsch

Zuallererst: Ich freue mich über jedes Like und jede Bewertung.

Eine kleine Box mit Scharnierdeckel. Sie ist für mittlere Größen geeignet.

Wie in meiner kleinen Box (https://www.printables.com/de/model/257560-konfigurierbare-box-incl-fusion-file-configurable-) nimmt man für die Achsen ein Stück Filament.

Beim Zusammenbauen zuerst die Achse in den schmäleren Bügel schieben; dabei darauf achten, dass die Schräge



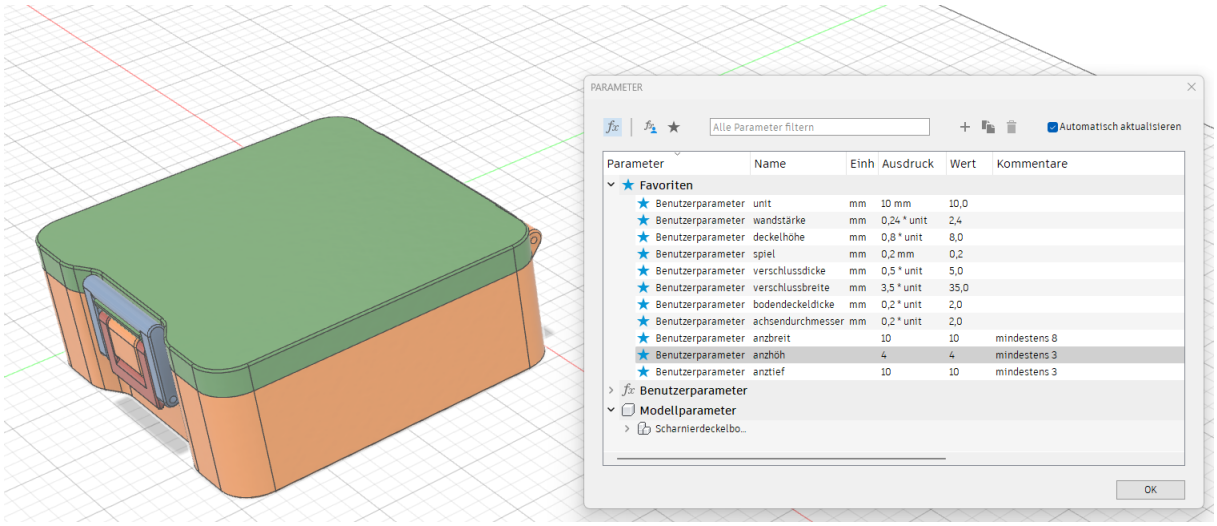
richtig positioniert ist, damit man den Bügel später leicht öffnen kann. Danach die Achse durch den breiteren Bügel und schließlich die längste Achse durch den Deckel schieben.

Ich habe immer das Filament eingeschoben und danach mit einem Seitenschneider auf die richtige Länge abgeschnitten.

Die Slicerdateien haben das Format [Name] [Breite]x[Tiefe]x[Höhe]. Das sind die Aussenabmessungen; in der Tiefe kommen noch aktuell 6 mm für das Scharnier hinzu.

Wie immer füge ich die Fusion 360 Konstruktionsdatei für eigene Anpassungen bei.

Alle wesentlichen Dimensionen bauen auf Einheiten von 10mm auf. Eine Box von 100 x 100 x 40 ist zum Beispiel mit folgenden Parametern zu erzeugen.



Für größere Boxen kann man z.Bsp. die Größe [unit] heraufsetzen; damit sollte eigentlich eine stabile Box gewährleistet sein. Man beachte, dass man den Achsendurchmesser wahrscheinlich anpassen muss.

Wer sich nicht mit Fusion auskennt und eine andere Größe als die bereitgestellten braucht, kann mich ja per Nachricht danach fragen.

edit 27.5.2024

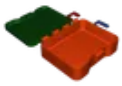
Ich wurde darauf aufmerksam gemacht, dass beim Ändern der Größe in Fusion Fehler entstehen. Ich hatte einen sogenannten Versatz bei Projektionskanten verwendet, was Fusion wohl nicht unbedingt mag. Der Fehler sollte jetzt behoben sein.

edit 28.01.2025

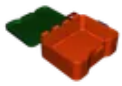
Nach ich jetzt die Möglichkeit habe, 3mf-Dateien automatisch zu generieren, habe ich zusätzlich 96 Dateien aus den Kombinationen Breite 100, 120, 150, 200 - Tiefe 80, 100, 120, 150 und Höhe 30, 40, 50, 80, 100, 120 erzeugt. Das sollte viele Wünsche erfüllen.

Model files

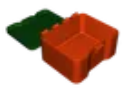
Base 100 mm x 80 mm 6 files



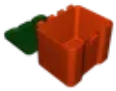
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box-100x80x40mm3.3mf



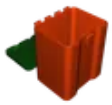
box-100x80x50mm3.3mf



box-100x80x80mm3.3mf



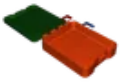
box-100x80x100mm3.3mf



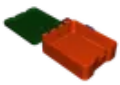
box-100x80x120mm3.3mf

Base 100 mm x 120 mm

6 files



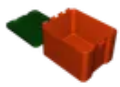
box-100x120x30mm3.3mf



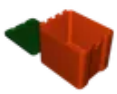
box-100x120x40mm3.3mf



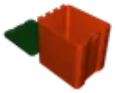
box-100x120x50mm3.3mf



box-100x120x80mm3.3mf



box-100x120x100mm3.3mf



box-100x120x120mm3.3mf

Base 100 mm x 150 mm

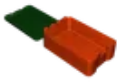
6 files



box-100x150x30mm3.3mf



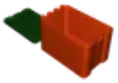
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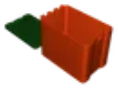
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box-100x150x80mm3.3mf



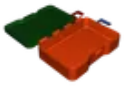
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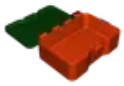
box-100x150x120mm3.3mf

Base 120 mm x 80 mm

6 files



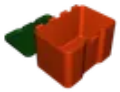
box-120x80x30mm3.3mf



box-120x80x40mm3.3mf



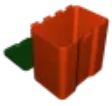
box-120x80x50mm3.3mf



box-120x80x80mm3.3mf



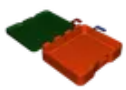
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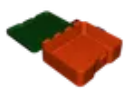
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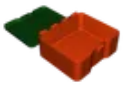
Base 120 mm x 100 mm 6 files



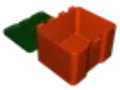
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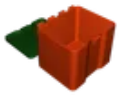
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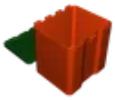
box-120x100x50mm3.3mf



box-120x100x80mm3.3mf



box-120x100x100mm3.3mf



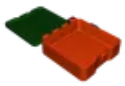
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Base 120 mm x 120 mm 6 files



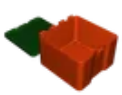
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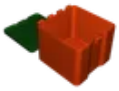
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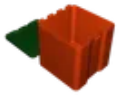
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box-120x120x80mm3.3mf



box-120x120x100mm3.3mf



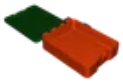
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Base 120 mm x 150 mm

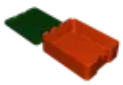
6 files



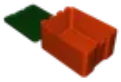
box-120x150x30mm3.3mf



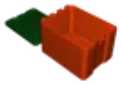
box-120x150x40mm3.3mf



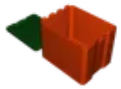
box-120x150x50mm3.3mf



box-120x150x80mm3.3mf



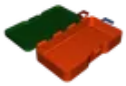
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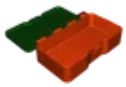
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Base 150 mm x 80 mm

6 files



box-150x80x30mm3.3mf



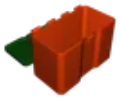
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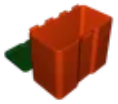
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box-150x80x80mm3.3mf



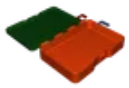
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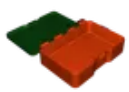
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Base 150 mm x 100 mm

6 files



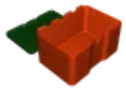
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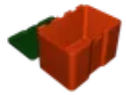
box-150x100x40mm3.3mf



box-150x100x50mm3.3mf



box-150x100x80mm3.3mf



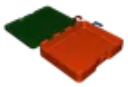
box-150x100x100mm3.3mf



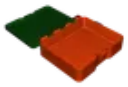
box-150x100x120mm3.3mf



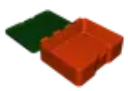
Base 150 mm x 120 mm 6 files



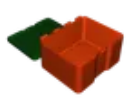
box-150x120x30mm3.3mf



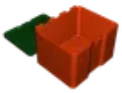
box-150x120x40mm3.3mf



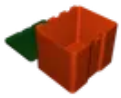
box-150x120x50mm3.3mf



box-150x120x80mm3.3mf



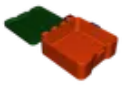
box-150x120x100mm3.3mf



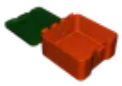
box-150x120x120mm3.3mf

Base 100 mm x 100 mm

6 files



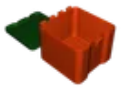
box-100x100x40mm3.3mf



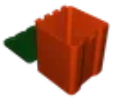
box-100x100x50mm3.3mf



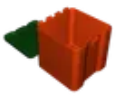
box-100x100x30mm3.3mf



box-100x100x80mm3.3mf



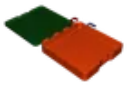
box-100x100x120mm3.3mf



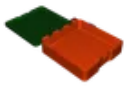
box-100x100x100mm3.3mf

Base 150 mm x 150 mm

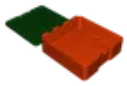
6 files



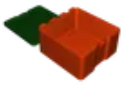
box-150x150x30mm3.3mf



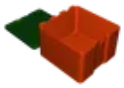
box-150x150x40mm3.3mf



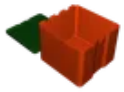
box-150x150x50mm3.3mf



box-150x150x80mm3.3mf



box-150x150x100mm3.3mf



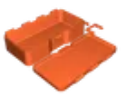
box-150x150x120mm3.3mf

Base 160 mm x 80 mm

6 files



box-with-hinged-lid-clip-close-160x80x30.3mf



box-with-hinged-lid-clip-close-160x80x40.3mf



box-with-hinged-lid-clip-close-160x80x50.3mf



box-with-hinged-lid-clip-close-160x80x60.3mf



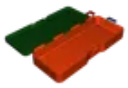
box-with-hinged-lid-clip-close-160x80x70.3mf



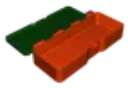
box-with-hinged-lid-clip-close-160x80x80.3mf

Base 200 mm x 80 mm

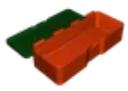
6 files



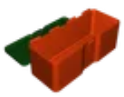
box-200x80x30mm3.3mf



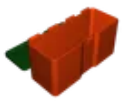
box-200x80x40mm3.3mf



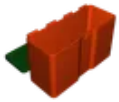
box-200x80x50mm3.3mf



box-200x80x80mm3.3mf



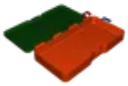
box-200x80x100mm3.3mf



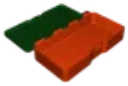
box-200x80x120mm3.3mf

Base 200 mm x 100 mm

6 files



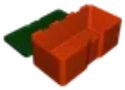
box-200x100x30mm3.3mf



box-200x100x40mm3.3mf



box-200x100x50mm3.3mf



box-200x100x80mm3.3mf



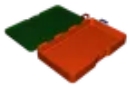
box-200x100x100mm3.3mf



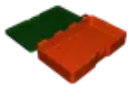
box-200x100x120mm3.3mf

Base 200 mm x 120 mm

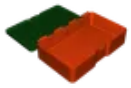
6 files



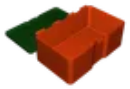
box-200x120x30mm3.3mf



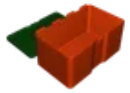
box-200x120x40mm3.3mf



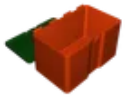
box-200x120x50mm3.3mf



box-200x120x80mm3.3mf



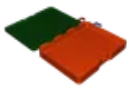
box-200x120x100mm3.3mf



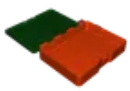
box-200x120x120mm3.3mf

Base 200 mm x 150 mm

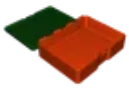
6 files



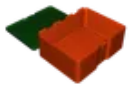
box-200x150x30mm3.3mf



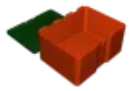
box-200x150x40mm3.3mf



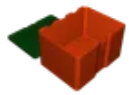
box-200x150x50mm3.3mf



box-200x150x80mm3.3mf



box-200x150x100mm3.3mf



box-200x150x120mm3.3mf



Base 240 mm x 60 mm 4 files



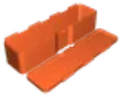
box-with-hinged-lid-clip-close-240x60x30.3mf



box-with-hinged-lid-clip-close-240x60x40.3mf



box-with-hinged-lid-clip-close-240x60x50.3mf



box-with-hinged-lid-clip-close-240x60x60.3mf



scharnierdeckelbox-mit-bugelverschluss-v15.f3d

old version. Don't use.



scharnierdeckelbox-mit-bugelverschluss-v23.f3d

i hope this works

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