



## toneCarrier Film Carrier for DSLR scanning 35 mm film (with sprockets!)



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### Summary

A perfect entry point into the world of camera scanning photographic film. Easily print, assemble and scan with no faff!

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### The easiest way to camera scanning.

Do you have boxes of old negatives that you've been wanting to preserve but never got around to it? Are you tired of outdated, slow flatbed film scanners that take hours to scan a few rolls of film?

**The toneCarrier Basic Film Carrier may be just what you need! If you already have a DSLR or mirrorless camera and a tripod, all you need is this quick 2 hour print, a couple of screws and you can start scanning full rolls in no time. Just print, assemble, push the film in and scan with none of the faff!**

## **Description**

**The carrier features a specially engineered and proven film channel geometry that is guaranteed to keep your film flat and level. An extra wide wide film channel exposes sprocket holes by default, so you can scan almost the full width of the film strip!**

**It is also designed with film safety as the top priority - no part of the toneCarrier ever contacts your precious negatives apart from a small section at the very edge of the film. Generous clearance on all sides of the negative guarantees that your images stay safe and scratch-free.**

**There are dedicated spaces for 4x10 mm rubber pads that will keep the holder securely in place and stop it sliding around your table.**

## **Key features**

- **S-curve film channel that keeps film straight and flat**
- **Generous clearance all around the negative makes scratches impossible**
- **Easy to source hardware, all you need are 4xM5 screws and nuts**
- **Dedicated pockets to stick rubber feet to prevent sliding**
- **Supports full frame and half frame 35 mm film**
- **Sprocket holes included in frame**

## **Printed parts list:**

**1x Body side A**

**1x Body side B**

**Requires approx. 120 g of filament, sub 3 hour print.**

## **Stock parts list:**

**4x M5x30 Socket Head Cap Screw**

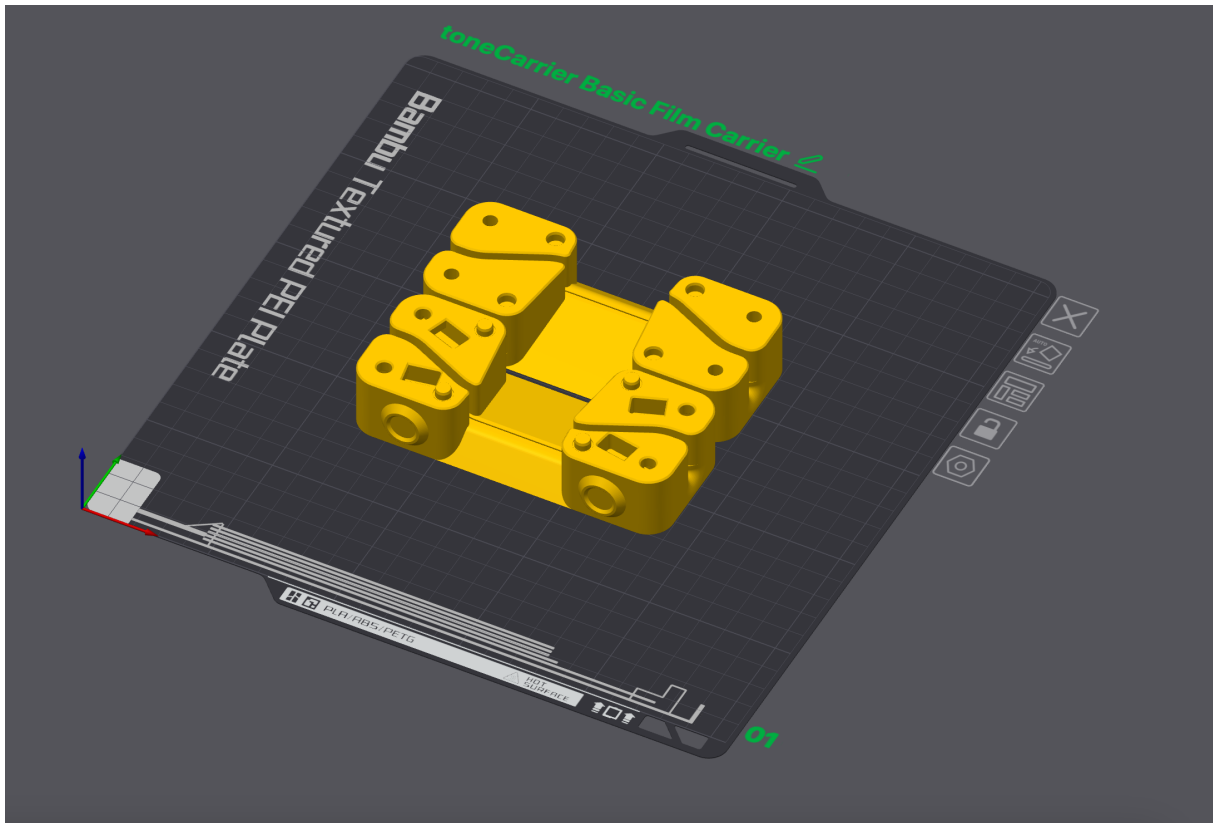
**4x M5 Thin Square Nut (DIN 562) OR 4 M5x7.1 mm diameter brass inserts (like [these ones](#))**

**4x 10 mm diameter rubber feet (optional)**

## Print settings:

- **Material:** PLA (Bambu Lab Matte Black PLA recommended)
- **Layer height:** 0.2 mm
- **Walls:** 3 or more
- **Infill:** 20% or more
- **Infill pattern:** Aligned rectilinear (do not use grid infill)
- **Supports:** off(important)

## Print in the following orientation:



## Backstory

In 2022 I began working on developing a film holder that could be easily 3D printed without compromising good mechanical design principles. During the past 2 years I have poured hundreds of hours and pounds into developing the best film holding system possible.

The toneCarrier Basic Film Holder is the result of hundreds of hours of work spent on my toneCarrier Film Scanning System condensed into a small, easy to print and inexpensive to make community version.

# The full toneCarrier Film Scanning System

**Note:** this is a free community version of the paid toneCarrier version, which provides an even more comfortable scanning experience. Additional features of the full version include:

- Extremely smooth, belt driven film advance mechanism that allows scanning of full strips without handling the negative
- 120 film support with up to 6x7 frame sizes
- X-Pan scanning support
- Chimney / light hood which blocks stray light
- Film catch trays to prevent negatives falling to the table
- Interchangeable frame masks for different frame formats (Full frame, half frame, X-Pan, 6x6, 645)
- Adapter plate for the CS-Lite light source
- Smartphone adapter to use your phone as a low cost RGB light source

Check out my [website](#) and [shop](#), where you can purchase STL files as well as fully assembled and tested holders.

## Model files

tonecarrier-basic-35-mm.3mf

 Prepared 3MF for Bambu Lab P/X series printers



**a7-body-side-a.stl**

 Print flat side down. Use with DIN 562 M5 square nuts.



**a7-body-side-b.stl**

 Print flat side down



**a7-body-side-a-m5x7-inserts.stl**

 Print flat side down. Use with M5x7.1 mm inserts.

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