


# Printed Tabletop Band Weaving / Tablet Loom

A **Aerofoil West**

VIEW IN BROWSER

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## Summary

3D printable Band Weaving / Tablet Loom

Hobby & Makers > Tools

Tags: weaving

Attribution: A 3D printed implimentation providing the funtionality of a historical Inkle / Tablet loom

Printed Parts
Printed from HS-PLA on Creality K1 high speed printer 220x220x250 build area
Requires multiple plates
3 wall loops
4 Shell Layers
25% Infill
Tubes and drum printed vertical with raft. Drum may also require manual supports to lower octaginal face
Notched castle top tube parts printed horizontal on flattened face.
Recomend small layer height for threads to print well
Risers printed with screw countersinks down, 'rabbit' face up

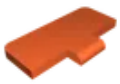
Non-printed parts
Base plate is 5/4 x 6 wood board True diminsions 1" x 5.5"

Length and material can be adjusted to user choice. Prototype approx 20" long clear Poplar
Requires 8x #10 flat top (countersink) x 2" wood screws
Requires 2x 1/4-20x2 Carriage Bolts Recommend flat bottom countersink pocket on bottom of base plate
Requires 2x 1/4-20 threaded Nylon knobs
Requires 1" grip Button Push Pin (flared collar may be used if pindoes not provide adequate finger grip area. Protype used "uxcell Quick Release Pin, 1/4" x 1.06"(Dia. x L) Ball Locking Pin with Push Button" from Amazon

Supporting Parts
Card holder used during warping, removed during weaving
Weight cans for weighted warp, fill with small metal shot. Warp may mix weighted and drum-wrapped threads. Print 3 wall loops, 3 shell layers, 15% infill. Require 1/2 Inch Metal Cup Hooks (Avail Amazon Hulless 100 Pcs 1/2 Inch Metal Cup Hooks)

Assembly
Recommend dry-fitting risers and cross tubes using bar clamps to locate towers. Once clamped use transfer punches to mark all fastener hole locations for drilling. Holes for cross tubes are tapered to give tolerance on alignment of the towers.

# Model files



**card-holder-end.stl**

Glue ends to holder tray with CA



**card-holder-tray.stl**



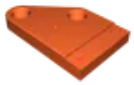
**drum.stl**



**fixed-tube.stl**



**guide-slot-tube.stl**



**high-castle-1.stl**



**high-castle-2.stl**



**lock-ring.stl**



**nut.stl**

☐ 6 required



**out-take-clamp.stl**



**push-pin-collar.stl**

☐ Optional



**riser-1.stl**



**riser-3.stl**



**slotted-guide-cover.stl**



**warp-guide-plate.stl**

For warp threads with hang weights, not attached to drum



**weight-can-body.stl**



**weight-can-lid.stl**

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