

Corner Clamp 90°

VC Design

VIEW IN BROWSER

updated 28. 3. 2026 | published 28. 3. 2026

Summary

The Corner Clamp 90° is a practical tool designed to securely hold parts at a perfect 90° angle :)

Hobby & Makers > Tools

Tags: tool workshop woodworking wood clamp tools work corner cornerbracket clamping clamps cornerclamp clampingsystem vcdesign

The **Corner Clamp 90°** is a practical tool designed to securely hold parts at a perfect **90° angle**. Ideal for gluing, assembling, or aligning corner joints with precision.

The design consists of **5 parts**:

- **BASE** – holds the inserts and the screw together
- **INSERT2** – supports one side of the workpiece at 90° and mounts onto the base
- **INSERT** – supports the second side and connects to the screw using circlips
- **SCREW** – applies clamping force and mounts between the base and INSERT

- **CIRCLIPS** – secure the screw to INSERT for smooth and reliable operation

Assembly

1. Attach **INSERT2** to the **BASE**
2. Connect **INSERT** to the **SCREW** using the **CIRCLIPS**
3. Mount the **SCREW assembly** into the **BASE**
4. Tighten the screw to clamp your parts at a precise 90° angle

Printing

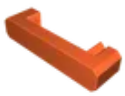
- **No supports required**
- All parts print in their default orientation

Features

- Accurate 90° alignment
- Strong and reliable clamping mechanism
- Fully 3D printable construction
- Easy assembly with integrated circlip system

Perfect for **woodworking, DIY projects, and precise assemblies** where clean right angles are essential :)

Model files



90deg_corner_clamp_base.stl



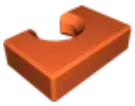
90deg_corner_clamp_insert.stl



90deg_corner_clamp_insert_2.stl



90deg_corner_clamp_screw.stl



90deg_corner_clamp_circlips.stl

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