

How to Install 165 Degree Hinge

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Contents

Tools Required

- tape measure
- pencil
- square
- drill
- 35mm Forstner bit when applicable
- screwdriver

Hardware Required

- 165 Degree Hinge
- mounting plate
- hinge screws

Key Measurements

- cup diameter
- cup depth
- opening angle
- overlay/inset gap
- door thickness
- screw spacing

Related Installation Guides

- [How to Install 105 Degree Hinge](#)
- [How to Install 110 Degree Hinge](#)
- [How to Install 120 Degree Hinge](#)
- [How to Install 135 Degree Hinge](#)
- [How to Install 26Mm Cup Hinge](#)
- [How to Install 35Mm Cup Hinge](#)

Related Resources

- [Related Product: 165 Degree Hinge](#)
- [Related FAQ: 165 Degree Hinge](#)

Need OEM installation support?

Use this guide as a planning reference, then request support for drawings, samples, and production installation checks for 165 Degree Hinge.

[Request Installation Support](#)

Product Installation Overview

165 Degree Hinge installation depends on accurate hinge center lines, cup hole depth, overlay or inset planning, and mounting plate alignment on the Cabinet Hinges and Furniture Hinges assembly.

For B2B furniture production, use this 165 Degree Hinge guide to standardize marking, drilling, mounting, fastening, and final inspection before the hardware is approved for cabinet, panel, or furniture assembly.

Important installation note:

This is only a simple installation tutorial. Specific adjustments should be made according to the actual furniture, panel material, and hardware specifications.

Product

165 Degree Hinge

Category

Cabinet Hinges and Furniture Hinges

Installation profile

Hinge Installation

Priority

95

Industry Data

Use these installation signals to prepare tools, verify measurements, and avoid common alignment or fastening mistakes before production use.

- **Tools to prepare:** tape measure, pencil, square, drill and 35mm Forstner bit when applicable Prepare these before drilling or fastening the hardware.
- **Measurement checks:** cup diameter, cup depth, opening angle and overlay/inset gap Confirm these measurements against the panel, door, drawer, or frame before installation.
- **Hardware and supplies:** 165 Degree Hinge, mounting plate and hinge screws Check compatibility with the actual furniture material and order specification.
- **Step sequence:** Measure door overlay and mark hinge center lines, Mark and drill the hinge cup hole, Fix the hinge cup to the door, Install the mounting plate on the cabinet side panel and Clip or screw the hinge arm to the mounting plate Follow the

sequence so alignment errors are caught before final tightening.

165 Degree Hinge

Detailed 165 Degree Hinge Installation Tutorial

Before You Start

Before installing 165 Degree Hinge, dry-fit 165 Degree Hinge on the furniture part and confirm the cup diameter reference. Mark from one clean datum edge, not from a damaged corner, so repeated pieces land in the same position. Confirm door overlay, cup center distance, and cup depth before drilling the hinge cup.

Installation Method

During the 165 Degree Hinge work, use tape measure first, then drill or fasten gradually. Keep the hardware square to the panel, leave adjustment screws loose until alignment is checked, and compare the result with the Hinge Installation profile requirements. Seat the cup flat, mount the plate square, then clip or screw the hinge arm before final adjustment.

Final Check

After 165 Degree Hinge is mounted, operate, pull, load, or lock the part in the same direction a user will use it. Recheck gaps, screw seating, clearance, and surface damage before approving the 165 Degree Hinge installation for production. Open and close the door several times and tune side, depth, and height screws until the reveal is even.

Visual Step-by-Step Installation Guide

Step 1 of 6: Measure door overlay and mark hinge center lines

Hinge Installation diagram for 165 Degree Hinge, synchronized with the six installation steps and showing cabinet side panel, cabinet door, hinge cup, mounting plate, screw holes, overlay gap, adjustment arrows.

Step by Step Installation Instructions

1. 1

Measure door overlay and mark hinge center lines For 165 Degree Hinge, mark the hinge cup centerline, door overlay, and plate height from the cabinet reference edge. Use tape measure for this operation and keep "cup diameter" as the main measurement check. Keep 165 Degree Hinge in position without fully forcing it until the alignment is verified. Before moving to the next step, confirm cup center distance and overlay marks match the hinge drawing.

2. 2

Mark and drill the hinge cup hole For 165 Degree Hinge, drill the hinge cup with a depth stop and clear chips before test seating. Use pencil for this operation and keep "cup depth" as the main measurement check. Keep mounting plate in position without fully forcing it until the alignment is verified. Before moving to the next step, confirm the cup hole is flat-bottomed, clean, and not drilled through the door.

3. 3

Fix the hinge cup to the door For 165 Degree Hinge, seat the hinge cup and place the mounting plate on the cabinet line. Use square for this operation and keep "opening angle" as the main measurement check. Keep hinge screws in position without fully forcing it until the alignment is verified. Before moving to the next step, confirm cup flange and plate both sit flat with screw holes centered.

4. 4

Install the mounting plate on the cabinet side panel For 165 Degree Hinge, tighten hinge cup screws and plate screws gradually while keeping the hinge square. Use drill for this operation and keep "overlay/inset gap" as the main measurement check. Keep 165 Degree Hinge in position without fully forcing it until the alignment is verified. Before moving to the next step, confirm the hinge is secure and the arm engages the plate without forcing.

5. 5

Clip or screw the hinge arm to the mounting plate For 165 Degree Hinge, use the side, depth, and height screws to tune door reveal and closing line. Use 35mm Forstner bit when applicable for this operation and keep "door thickness" as the main measurement check. Keep mounting plate in position without fully forcing it until the alignment is verified. Before moving to the next step, confirm the reveal is even and the door does not rub the cabinet.

6. 6

Adjust side, depth, and height alignment, then test closing For 165 Degree Hinge, open and close the door through the full hinge angle several times. Use screwdriver for this operation and keep "screw spacing" as the main measurement check. Keep hinge screws in position without fully forcing it until the alignment is verified. Before moving to the next step, confirm closing is smooth, screws stay tight, and the cup remains seated.

Common Installation Mistakes

- Drilling the cup hole too deep or too close to the door edge for 165 Degree Hinge.
- Mounting the plate without checking overlay or inset gap.
- Tightening hinge screws before side, depth, and height adjustment.
- Testing closing movement before the door is supported evenly.

Safety and Installation Warnings

- Do not drill through the door face
- verify overlay and cup depth before drilling.
- Use a depth stop when drilling cup holes to avoid breaking through the door face.

Adjustment or Testing Notes

- Adjust side, depth, and height screws until 165 Degree Hinge closes with an even reveal.
- Open and close the door through its full angle to check cup seating and plate engagement.
- Confirm screw holding strength after final alignment.

Installation FAQ

What tools are needed to install 165 Degree Hinge?

Typical tools include tape measure, pencil, square, drill, 35mm Forstner bit when applicable. For production work, add jigs, depth stops, or templates when repeatable positioning is required.

What measurements should be checked before installing 165 Degree Hinge?

Check cup diameter, cup depth, opening angle, overlay/inset gap, door thickness before drilling or fastening. Confirm dimensions against the product drawing and panel thickness.

Can 165 Degree Hinge be installed in MDF or plywood furniture?

Most furniture hardware can be installed in MDF, plywood, particle board, or solid wood when the pilot hole, screw length, load rating, and tightening torque match the material.

What is the most common installation mistake for 165 Degree Hinge?

Drilling the cup hole too deep or too close to the door edge for 165 Degree Hinge.

Can 165 Degree Hinge be ordered for bulk furniture production?

Yes. Use the guide to define installation drawings, samples, tooling, and inspection standards before bulk furniture hardware production.