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> [Alberts Blue Galvanised 309824 Cross Countersunk Hinge Instruction Manual](#)

Alberts 309824

Alberts Blue Galvanised 309824 Cross Countersunk Hinge Instruction Manual

1. PRODUCT OVERVIEW

This manual provides instructions for the Alberts Blue Galvanised Cross Countersunk Hinge, model 309824. This hinge is designed for general-purpose applications such as board doors and cellar doors, offering a robust and durable solution for various installations.

The hinge features a blue galvanised finish on raw steel, providing corrosion resistance and a distinct appearance. It is characterized by its cross-hanging design with countersunk screw holes for a flush and secure fit.



Figure 1: Alberts Blue Galvanised Cross Countersunk Hinge. This image displays the full hinge, highlighting its T-shape, the hinge pin mechanism, and the seven countersunk screw holes distributed across both the strap and the plate.

2. SETUP AND INSTALLATION

Proper installation ensures the longevity and functionality of the hinge. This hinge is suitable for mounting on wooden doors and frames.

2.1 Required Tools

- Drill
- Appropriate drill bits (matching screw diameter)
- Screwdriver (compatible with screw head type)
- Measuring tape or ruler
- Pencil or marker
- Level

2.2 Installation Steps

1. **Positioning:** Determine the desired location for the hinge on the door and frame. For optimal support, hinges are typically placed near the top and bottom edges of the door.
2. **Marking:** Hold the hinge in place and use a pencil or marker to mark the positions of the seven screw holes on both the door and the frame. Ensure the hinge is level and aligned correctly.
3. **Pre-drilling:** Using a drill bit slightly smaller than the screw diameter, carefully pre-drill pilot holes at each marked position. This prevents wood splitting and ensures screws are driven straight.
4. **Mounting the Hinge:**
 - Attach the wider plate of the hinge (with two screw holes) to the door frame or post.
 - Attach the longer strap (with five screw holes) to the door itself.

Use appropriate screws (not included) that fit the 6mm diameter countersunk holes. Ensure screws are driven flush with the hinge surface.

5. **Testing:** Open and close the door several times to ensure smooth operation and proper alignment. Adjust if necessary by slightly loosening screws, repositioning, and re-tightening.

Note: The design with countersunk screw holes ensures that the screw heads sit flush with the hinge surface, preventing obstruction and providing a clean finish.

3. OPERATING INSTRUCTIONS

Once installed, the Alberts Cross Countersunk Hinge operates by allowing the attached door to pivot smoothly on its axis. No specific operational steps are required beyond ensuring the door opens and closes freely without binding.

- Ensure the door moves freely through its full range of motion.
- Avoid forcing the door if resistance is encountered, as this may indicate misalignment or an obstruction.

4. MAINTENANCE

Regular maintenance can extend the life and performance of your Alberts hinge.

- **Cleaning:** Periodically wipe the hinge clean with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners that could damage the galvanised finish.
- **Lubrication:** If the hinge begins to squeak or operate stiffly, apply a small amount of silicone-based lubricant or light machine oil to the hinge pin. Wipe away any excess lubricant.
- **Inspection:** Regularly check all screws to ensure they remain tight. Re-tighten any loose screws to maintain proper door alignment and security. Inspect the hinge for any signs of wear or damage.

5. TROUBLESHOOTING

Below are common issues and their potential solutions:

- **Door Squeaks:** Apply lubricant to the hinge pin as described in the Maintenance section.
- **Door Sticks or Binds:**
 - Check for loose screws and tighten them.
 - Inspect for any obstructions around the door frame.
 - Verify that the hinge is not bent or damaged.
- **Hinge Appears Loose:** Re-tighten all mounting screws. If screws no longer hold securely, consider using longer screws or repairing the screw holes with wood filler before re-mounting.

6. SPECIFICATIONS

Detailed specifications for the Alberts Blue Galvanised Cross Countersunk Hinge (Model 309824):

Feature	Detail
Brand	Alberts
Model Number	309824
Material	Alloy Steel (Raw Steel)
Surface Finish	Blue Galvanised, Powder Coated
Overall Dimensions (Strap)	294 mm (11.57") Length x 46 mm (1.81") Width
Hinge Plate Dimensions	90 mm Length x 40 mm Width
Material Thickness	2.5 mm
Number of Holes	7
Hole Diameter	6 mm
Design	Cross Hanger with Countersunk Screw Holes
Mounting Type	Door Mount
Item Weight	13.4 ounces
Included Components	1 x Cross Hanger Hinge
Batteries Required	No
Manufacturer	Gust. Alberts GmbH & Co. KG

7. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Alberts product, please refer to the manufacturer's official website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Gust. Alberts GmbH & Co. KG