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Novus 045-0026

Novus 045-0026 Blind Rivets 5x8mm Instruction Manual

Model: 045-0026 | Set of 30, 5mm Diameter, 8mm Length

1. INTRODUCTION

This manual provides essential information for the safe and effective use of Novus 045-0026 blind rivets. These aluminum rivets are designed for creating fixed connections in various materials, particularly in situations where access is limited to one side of the workpiece. Proper installation ensures a reliable and durable fastening.

2. PRODUCT DESCRIPTION

The Novus 045-0026 blind rivets are a set of 30 aluminum fasteners, each measuring 5mm in diameter and 8mm in length. They are suitable for applications requiring a strong, permanent bond where the reverse side of the material is inaccessible. The rivet consists of a rivet body and a mandrel, which is pulled through the body during installation to form a blind head on the inaccessible side.



Figure 1: Novus 045-0026 blind rivet, illustrating its structure and indicating common lengths (8mm, 10mm, 12mm). This specific product is 8mm in length.

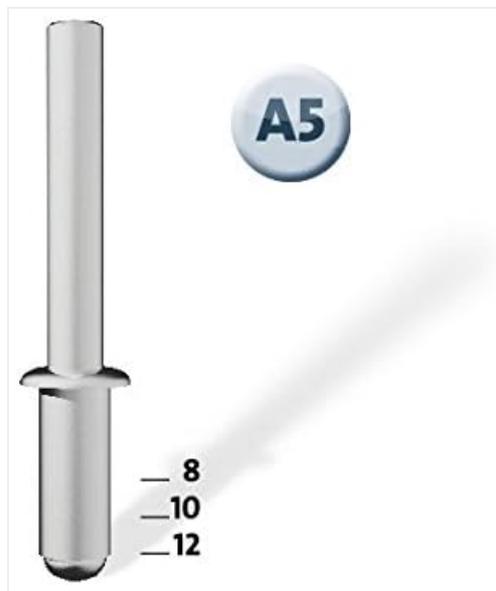


Figure 2: A detailed view of a single Novus blind rivet, highlighting its aluminum construction and design.

3. SAFETY GUIDELINES

- Always wear appropriate personal protective equipment (PPE), including safety glasses, to protect against flying debris.
- Ensure the workpiece is stable and secured before drilling or riveting.
- Use the correct size drill bit for the rivet diameter to ensure a secure fit.
- Keep hands and fingers clear of the rivet gun's jaws during operation.
- Do not use damaged rivets or a damaged rivet gun.
- Store rivets in a dry place to prevent corrosion.

4. REQUIRED TOOLS

To install Novus 045-0026 blind rivets, you will need the following:

- **Rivet Gun:** A hand-operated or powered rivet gun compatible with 5mm diameter rivets.
- **Drill:** An electric or cordless drill.
- **Drill Bit:** A 5mm (or slightly larger, depending on material) drill bit suitable for the material being joined.
- **Marking Tool:** For precise hole placement.

5. INSTALLATION INSTRUCTIONS

1. **Prepare the Workpiece:** Clean the surfaces to be joined and mark the exact location for the rivet hole.
2. **Drill the Hole:** Using a 5mm drill bit, carefully drill a hole through both materials at the marked location. Ensure the hole is perpendicular to the surface.
3. **Insert the Rivet:** Place the rivet body through the drilled hole until the rivet head rests firmly against the material surface. The mandrel should protrude from the other side.
4. **Load the Rivet Gun:** Insert the mandrel of the rivet into the nosepiece of the rivet gun. Ensure the nosepiece is correctly sized for a 5mm rivet.
5. **Operate the Rivet Gun:** Squeeze the handles of the rivet gun firmly and repeatedly. The rivet gun will pull the mandrel, causing the blind end of the rivet to expand and form a secure fastening on the inaccessible side. Continue squeezing until the mandrel snaps off, indicating a properly set rivet.
6. **Inspect the Rivet:** Verify that the rivet head is flush against the material and the connection is secure.

6. TYPICAL APPLICATIONS

Novus 045-0026 blind rivets are versatile and suitable for a wide range of applications where a strong, single-sided fastening is required. Common uses include:

- **Sign Mounting:** Securely attaching signs to various surfaces.
- **Automotive Repairs:** Fixing accessories or panels in vehicles.
- **Home and Garden Tools:** Repairing or assembling tools and equipment.
- **Leather Items:** Joining leather components in crafts or repairs.
- **Children's Toys:** Assembling or repairing durable toy parts.
- **Construction and Fabrication:** General fastening in light construction or metal fabrication.



Figure 3: An example of using blind rivets to assemble or repair a metal frame structure.



Figure 4: Blind rivets being used to secure a component on a scooter, demonstrating automotive application.



Figure 5: A rivet gun in action, fastening a sign to a surface, a common use case for these rivets.



Figure 6: Repairing or assembling furniture components using a rivet gun and blind rivets.

7. CARE AND STORAGE

- Store Novus blind rivets in their original packaging or a sealed container in a cool, dry place to prevent oxidation and damage.
- Keep rivets away from moisture, chemicals, and extreme temperatures.
- Ensure the rivet gun is clean and well-maintained according to its own instruction manual.

8. TROUBLESHOOTING

- **Rivet not setting properly:**
 - Ensure the rivet gun's nosepiece is fully engaged with the rivet mandrel.
 - Check if the rivet gun is functioning correctly and has sufficient pulling force.
 - Verify that the drilled hole diameter is appropriate for the rivet. A hole that is too large or too small can prevent proper

setting.

- **Mandrel breaks prematurely or does not break:**

- If the mandrel breaks too early, the rivet may not be fully set. Ensure the rivet gun is pulling the mandrel completely.
- If the mandrel does not break, the rivet gun may be faulty, or the rivet might be defective. Try a different rivet or inspect the rivet gun.

- **Rivet is loose after installation:**

- The hole might be too large, or the material might be too soft. Consider using a rivet with a larger diameter or a washer.
- The rivet may not have been fully set. Ensure the rivet gun completed its cycle.

9. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	045-0026
Brand	Novus
Manufacturer	Steinel
Rivet Type	Blind Rivet
Material	Aluminum
Diameter	5 mm
Length	8 mm
Quantity	Set of 30
Item Weight (per set)	2.82 ounces (approx. 80 grams)
Product Dimensions (approx. per rivet)	0.31 x 0.2 x 0.2 inches (8mm length x 5mm diameter)

10. WARRANTY AND CUSTOMER SUPPORT

Novus products are manufactured to high-quality standards. For specific warranty information or customer support inquiries regarding the 045-0026 blind rivets, please refer to the official Novus website or contact their customer service department. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the Novus Store on Amazon: [Novus Store](#)

