

Manuals.plus /

- › Unika /
- › Unika Wedge Big One Anchor BG-1614 Instruction Manual

Unika BG-1614

Unika Wedge Big One Anchor BG-1614 Instruction Manual

Model: BG-1614 | Brand: Unika

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation and use of the Unika Wedge Big One Anchor, model BG-1614. Please read this manual thoroughly before beginning any installation to ensure proper application and to prevent potential hazards. This anchor is designed for heavy-duty fastening in concrete.



Figure 1: Unika Wedge Big One Anchor BG-1614 (Pack of 10)

The image above displays the Unika Wedge Big One Anchor BG-1614, typically sold in a pack of 10 units.

Each anchor consists of a threaded stud, an expansion clip, a nut, and a washer. These components work together to provide a secure and reliable fastening solution in solid concrete.

2. SAFETY INFORMATION

Always prioritize safety during installation. Failure to follow these safety guidelines may result in injury or property damage.

- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, gloves, and hearing protection, especially when drilling.
- **Verify substrate integrity:** Ensure the concrete is solid and free from cracks or damage that could compromise anchor performance.
- **Check for hidden utilities:** Before drilling, confirm there are no electrical wires, plumbing, or other utilities in the drilling path.
- **Use correct tools:** Only use tools specified for concrete drilling and anchor installation.
- **Do not overtighten:** Overtightening can damage the anchor or the concrete, reducing holding power.
- **Consult a professional:** If unsure about any aspect of installation or application, seek advice from a qualified professional.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of the Unika Wedge Big One Anchor.

3.1 Tools Required

- Hammer drill
- Carbide-tipped drill bit (matching anchor diameter)
- Wire brush or compressed air for hole cleaning
- Hammer
- Torque wrench or standard wrench
- Safety glasses and gloves

3.2 Installation Steps

1. **Drill the Hole:** Using a hammer drill and a carbide-tipped drill bit of the same nominal diameter as the anchor, drill a hole into the concrete. The hole depth must be equal to or greater than the minimum embedment depth specified for the anchor. Ensure the hole is perpendicular to the surface.
2. **Clean the Hole:** Thoroughly clean the drilled hole using a wire brush and/or compressed air to remove all dust and debris. A clean hole is critical for proper anchor expansion and holding power.
3. **Insert the Anchor:** Place the washer and nut onto the anchor's threaded end. Lightly tighten the nut to protect the threads during installation. Drive the anchor into the cleaned hole with a hammer until the washer and nut are flush against the concrete surface.
4. **Tighten the Anchor:** Using a wrench, tighten the nut to the recommended torque value. As the nut is tightened, the wedge clip at the bottom of the anchor expands against the concrete, creating a secure hold. Do not overtighten.
5. **Attach Fixture:** If attaching a fixture, remove the nut and washer, position the fixture over the anchor, then re-attach and tighten the washer and nut to secure the fixture.

4. OPERATING AND USAGE

Once properly installed, the Unika Wedge Big One Anchor provides a permanent and secure fastening point. It is designed to hold static and dynamic loads within its specified limits. Ensure that the load applied to the anchor does not exceed its ultimate or allowable load capacities, which depend on the concrete strength and embedment depth. Refer to engineering data for specific load values.

5. MAINTENANCE

Wedge anchors are generally maintenance-free once installed correctly. However, periodic inspection is recommended, especially in applications subject to vibration, extreme temperatures, or corrosive environments.

- **Visual Inspection:** Check for any signs of corrosion, loosening, or damage to the anchor or the surrounding concrete.
- **Retightening:** If an anchor appears loose, carefully retighten the nut to the recommended torque. Do not overtighten.
- **Environmental Factors:** In harsh environments, consider applying a protective coating to the exposed parts of the anchor to prevent corrosion.

6. TROUBLESHOOTING

This section addresses common issues that may arise during or after anchor installation.

- **Anchor not holding:**
 - **Cause:** Hole too large, hole not cleaned properly, insufficient embedment depth, concrete too weak, or anchor overtightened/undertightened.
 - **Solution:** Remove anchor, redrill a new hole in a different location (if possible), ensuring correct drill bit size, proper cleaning, and specified embedment. Ensure correct torque.
- **Anchor spins in hole:**
 - **Cause:** Hole too large or concrete spalled during drilling.
 - **Solution:** Remove anchor, redrill a new hole in a different location with the correct drill bit size.
- **Nut cannot be tightened:**
 - **Cause:** Threads damaged during installation or anchor not fully seated.
 - **Solution:** Ensure anchor is fully seated. If threads are damaged, the anchor may need to be replaced.

7. SPECIFICATIONS

Key specifications for the Unika Wedge Big One Anchor BG-1614:

Specification	Detail
Brand	Unika
Model Number	BG-1614
Item Model Number (Manufacturer)	U000R0630160140000
ASIN	B00N3VO0WC
Package Dimensions	14.5 x 11 x 5.5 cm
Package Weight	2.2 kg
Manufacturer	Unika

Note: Specific anchor diameter, length, and recommended torque values should be confirmed with product packaging or technical data sheets for the exact variant being used.

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or specific application guidance, please refer to the official Unika website or contact your authorized Unika distributor. Keep your purchase receipt for warranty claims.