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POWERS 6400SD

Powers Fastening Innovations 6400SD Snake and 1/4-Inch Internal Thread Instruction Manual

Model: 6400SD

Introduction

This instruction manual provides essential information for the proper installation and use of the Powers Fastening Innovations 6400SD Snake anchor. This product is designed for secure fastening applications in concrete and masonry. Please read this manual thoroughly before installation to ensure safe and effective use.

Safety Information

Always adhere to general safety practices when working with fasteners and power tools. Failure to follow these instructions may result in injury or property damage.

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection.
- Ensure the work area is clear and well-lit.
- Verify the substrate material (concrete or masonry) is suitable for this type of anchor.
- Do not overload anchors beyond their specified load capacities.
- Keep children and bystanders away from the work area.

Product Overview

The Powers 6400SD Snake anchor is a specialized internal thread anchor designed for use in concrete and masonry. It features external helical threads that cut into the base material, providing a strong, secure hold. The internal 1/4-inch thread allows for the attachment of threaded rods or bolts.

Figure 1: Powers Fastening Innovations 6400SD Snake Anchor. This image displays the Powers Fastening Innovations 6400SD Snake anchor. It is a cylindrical, metallic anchor with a galvanized finish, featuring prominent external helical threads designed for secure embedment. One end shows the internal 1/4-inch thread for attaching a bolt or rod.

Installation Instructions

Follow these steps for proper installation of the 6400SD Snake anchor:

1. **Drill Hole:** Using a rotary hammer drill, create a pilot hole in the concrete or masonry. The drill bit diameter and depth must match the anchor's specifications. Refer to the Specifications section for precise dimensions.
2. **Clean Hole:** Thoroughly clean the drilled hole using a wire brush and compressed air to remove all dust and debris. A clean hole is crucial for proper anchor performance.
3. **Insert Anchor:** Thread the anchor onto the installation tool (not included). Insert the anchor into the pre-drilled hole.
4. **Set Anchor:** Drive the anchor into the hole using the installation tool and a hammer or impact wrench until the anchor is flush with the surface of the base material. The external threads will cut into the material, creating a secure connection.
5. **Attach Fixture:** Once the anchor is set, remove the installation tool. You can now attach your fixture using a 1/4-inch threaded rod or bolt. Ensure the bolt is tightened to the manufacturer's recommended torque specifications.

Maintenance and Storage

The Powers 6400SD Snake anchors are designed for long-term, maintenance-free performance once installed correctly. For uninstalled anchors:

- Store anchors in a dry environment to prevent corrosion.
- Keep them in their original packaging until ready for use to protect threads from damage.

Troubleshooting

If you encounter issues during installation, consider the following:

- **Anchor not seating properly:** Ensure the pilot hole diameter and depth are correct. The hole may be too small or too shallow.
- **Anchor spinning in hole:** The pilot hole may be too large, or the base material may be too weak. Verify the material is suitable for this anchor type.
- **Difficulty threading bolt:** Check for debris in the internal thread. Ensure the bolt size is exactly 1/4-inch.

Specifications

Key technical specifications for the Powers Fastening Innovations 6400SD Snake anchor:

Feature	Detail
Model Number	6400SD
Internal Thread Size	1/4-inch
Material	Carbon Steel, Zinc
Usage	Concrete, Masonry
Item Weight	Approximately 3.45 pounds (for a box of 100)
Product Dimensions	2.5 x 5.5 x 3.9 inches (package dimensions)
Country Of Origin	China

Note: Specific drill bit diameter and embedment depth are critical for proper installation and may vary based on application and local building codes. Always consult relevant engineering data and local regulations.

Warranty and Support

For information regarding product warranty or technical support, please contact Powers Fastening Innovations directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

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