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> The Hillman Group 47653 6 x 1-5/8-Inch Fine Thread Drywall Screw Phillips Drive

Hillman 47653

Instruction Manual

THE HILLMAN GROUP 47653 6 x 1-5/8-INCH FINE THREAD DRYWALL SCREW PHILLIPS DRIVE

Model: 47653

Product Overview

The Hillman Group 47653 Drywall Screw is a fine thread, phosphate-plated steel fastener designed for securely attaching gypsum (drywall) boards to wood studs. Its bugle head and Phillips drive facilitate efficient installation, while the fine threads ensure a strong grip, particularly in steel or older, harder wood studs. This product is suitable for both residential and commercial applications.

Key features include:

- 1-5/8" length, #6 diameter fine thread screw.
- Designed for fastening drywall to studs.
- Constructed from black phosphate steel for rust and corrosion resistance.
- Features a Phillips drive and bugle head for flush finish.
- Supplied in a 1LB pack.

Product Visual



Figure 1: A single black drywall screw, featuring a bugle head, a Phillips drive, and fine threads along its shaft, designed for secure fastening.

Setup and Installation

Drywall screws are designed for direct installation into wood or light-gauge metal studs. Proper installation ensures a

secure and flush finish.

- 1. Prepare the Drywall:** Position the drywall panel against the studs, ensuring it is properly aligned and supported.
- 2. Select the Right Driver Bit:** Use a Phillips head screwdriver bit that matches the screw head size. A power drill with adjustable torque is recommended for efficient installation.
- 3. Drive the Screw:** Place the screw on the tip of the driver bit. Apply firm, steady pressure to the screw while driving it into the drywall and into the stud. The bugle head is designed to countersink slightly below the surface of the drywall without tearing the paper facing.
- 4. Avoid Over-driving:** Stop driving the screw as soon as the head is flush with or slightly below the drywall surface. Over-driving can strip the screw, damage the drywall, or reduce holding power.
- 5. Spacing:** Follow local building codes for appropriate screw spacing, typically every 6-8 inches along the edges and 12 inches in the field of the drywall panel.

For optimal results, ensure the stud is properly located before driving the screw.

Operating Principles

The fine threads of these drywall screws are engineered to create a strong engagement with the material they are driven into. When used with wood studs, the threads cut into the wood fibers, providing excellent pull-out resistance. For light-gauge steel studs, the fine threads are designed to self-tap, creating their own threads as they penetrate the metal, ensuring a secure connection. The bugle head design helps to prevent paper tear-out on the drywall surface and allows for easy mudding and finishing.

Maintenance

Drywall screws are single-use fasteners and do not require maintenance after installation. Store unused screws in a dry environment to prevent rust and maintain their integrity. The black phosphate coating provides inherent rust and corrosion resistance.

Troubleshooting

Problem	Possible Cause	Solution
Screw head strips (cam-out)	Incorrect driver bit size, insufficient pressure, or excessive torque.	Ensure the Phillips bit fits snugly. Apply firm, consistent pressure. Reduce drill torque setting if using a power drill.
Screw does not countersink properly	Insufficient pressure, stud not properly located, or screw hitting an obstruction.	Increase pressure. Verify stud location. Check for hidden obstructions (e.g., wiring, pipes).
Drywall paper tears around screw head	Over-driving the screw, or screw not perpendicular to the surface.	Adjust drill torque to prevent over-driving. Ensure the screw is driven straight and perpendicular to the drywall surface.
Screw does not hold securely	Screw missed the stud, or stud material is too soft/damaged.	Relocate the screw to ensure it penetrates the center of the stud. If the stud is damaged, consider reinforcing or moving to an undamaged section.

Specifications

Brand	Hillman
Model Number	47653
Material	Steel
Drive System	Phillips
Head Style	Bugle
Exterior Finish	Black Phosphate
Thread Size	#6
Point Style	Sharp
Item Weight	1 Pounds (per pack)
Thread Coverage	Fully Threaded
Fastener Type	Drywall Screw
Size	1.625 inches (1-5/8")
Product Dimensions	4.6 x 3.6 x 2.5 inches (packaging)
Usage	Wood, Drywall

Warranty and Support

Specific warranty information for The Hillman Group 47653 Drywall Screws is not provided in the product details. For any product-related inquiries or support, please refer to the manufacturer's official website or contact their customer service directly. Always ensure the product is used in accordance with its intended purpose and local building codes.

Manufacturer: [The Hillman Group](#)