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Hyper Tough HT3501-150

Hyper Tough Keyed Entry Single Cylinder Deadbolt Instruction Manual

Model: HT3501-150

PRODUCT OVERVIEW

The Hyper Tough Keyed Entry Single Cylinder Deadbolt provides reliable security for your home. Designed for easy operation, it features key access from the exterior and a convenient thumb-turn on the interior. This deadbolt is engineered with security features such as a 1-inch throw, drill resistance, anti-saw pins, and an anti-pry shield. It is suitable for standard doors measuring 1-3/8 inches to 1-3/4 inches thick and can be installed on both left-handed and right-handed doors.



This image shows the Hyper Tough Keyed Entry Single Cylinder Deadbolt, highlighting its oil-rubbed bronze finish and the key cylinder on the exterior side.

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and use.

- Always wear appropriate personal protective equipment (PPE) such as safety glasses when installing.
- Ensure the door frame and door are structurally sound before installation.
- Keep small parts away from children to prevent choking hazards.
- Do not use abrasive cleaners or solvents on the deadbolt finish.
- If you encounter any difficulties during installation, consult a qualified professional.

PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- Exterior Deadbolt Cylinder Assembly
- Interior Thumb-Turn Assembly
- Deadbolt Latch Mechanism
- Strike Plate
- Mounting Screws
- Keys (typically 2)
- Installation Template



This image displays the retail packaging for the Hyper Tough Keyed Entry Deadbolt, showing the product name, brand, and key features on the box.

INSTALLATION GUIDE

This section provides step-by-step instructions for installing your Hyper Tough deadbolt.

Tools Required

- Phillips Head Screwdriver
- Tape Measure
- Pencil
- Drill (with appropriate bits for wood/metal, if new installation)
- Chisel (if mortising is required)

Pre-Installation Check

- Ensure your door thickness is between 1-3/8" and 1-3/4".
- Verify the backset (distance from door edge to center of bore hole) is either 2-3/8" or 2-3/4". The latch mechanism is reversible to accommodate both.

Installation Steps

1. **Prepare the Door:** If installing on a new door, use the provided template to mark and drill the necessary

holes for the deadbolt and latch. For existing installations, remove the old hardware.

2. **Install the Latch Mechanism:** Insert the deadbolt latch mechanism into the edge bore hole of the door. Ensure the "UP" arrow (if present) faces upwards. Secure it with the provided screws.
3. **Install the Exterior Cylinder:** Insert the exterior deadbolt cylinder assembly through the larger bore hole on the door, ensuring the tailpiece aligns with the slot in the latch mechanism.
4. **Install the Interior Thumb-Turn:** Place the interior thumb-turn assembly over the tailpiece, aligning the mounting posts with the holes in the door.
5. **Secure the Assemblies:** Use the long mounting screws to connect the interior and exterior assemblies, tightening them evenly until snug. Do not overtighten.
6. **Install the Strike Plate:** Close the door and mark the position where the deadbolt throw extends to the door frame. Chisel out a shallow recess for the strike plate and secure it with screws. Ensure the deadbolt extends smoothly into the strike plate.



This image illustrates the interior components of the Hyper Tough deadbolt once installed, including the thumb-turn for manual locking/unlocking and the deadbolt latch extending into the door frame.

OPERATING YOUR DEADBOLT

Locking from Exterior

Insert the key into the exterior cylinder and turn it clockwise until the deadbolt fully extends into the strike plate. Remove the key.

Unlocking from Exterior

Insert the key into the exterior cylinder and turn it counter-clockwise until the deadbolt fully retracts. Remove the key.

Locking from Interior

Turn the thumb-turn on the interior assembly clockwise until the deadbolt fully extends.

Unlocking from Interior

Turn the thumb-turn on the interior assembly counter-clockwise until the deadbolt fully retracts.

CARE AND MAINTENANCE

- **Cleaning:** Clean the deadbolt with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Lubrication:** Periodically apply a small amount of graphite lubricant or a silicone-based spray to the keyway and the latch mechanism to ensure smooth operation. Do not use oil-based lubricants as they can attract dust and grime.
- **Inspection:** Regularly check all screws for tightness and ensure the deadbolt operates smoothly without binding.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Deadbolt is stiff or hard to turn.	Lack of lubrication; misalignment; debris in mechanism.	Apply graphite lubricant to keyway and latch. Check for proper alignment of strike plate and latch. Clean any visible debris.
Key does not insert or turn smoothly.	Bent key; debris in keyway; worn cylinder.	Try a different key. Apply graphite lubricant to keyway. If problem persists, cylinder may need replacement.
Deadbolt does not fully extend or retract.	Misaligned strike plate; door/frame swelling; bent latch.	Adjust strike plate position. Check for door/frame issues. Inspect latch for damage.
Deadbolt rattles when door is closed.	Loose screws; worn components.	Tighten all mounting screws. If rattling persists, components may be worn and require replacement.

PRODUCT SPECIFICATIONS

- **Model:** HT3501-150
- **Type:** Keyed Entry Single Cylinder Deadbolt
- **Finish:** Oil-Rubbed Bronze
- **Material:** Bronze
- **Door Thickness Compatibility:** 1-3/8" to 1-3/4" (35mm to 45mm)

- **Backset:** Adjustable 2-3/8" or 2-3/4" (60mm or 70mm)
- **Deadbolt Throw:** 1 inch (25mm)
- **Security Features:** Pick, pry, and bump resistant; drill resistant; anti-saw pins; anti-pry shield.
- **Handing:** Reversible (suitable for left or right-handed doors)
- **Weight:** Approximately 2 pounds (0.91 kg)
- **UPC:** 039208225120

WARRANTY AND CUSTOMER SUPPORT

Hyper Tough products are manufactured to high-quality standards. For specific warranty information, please refer to the packaging or contact Hyper Tough customer support.

For technical assistance or replacement parts, please visit the official Hyper Tough website or contact their customer service line. Keep your model number (HT3501-150) and purchase receipt handy when contacting support.

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