

TIMCO 60IN

TIMCO Timber Screws – Hex Head – Exterior Green – 6.7 x 60 User Manual

Model: 60IN

1. INTRODUCTION

This manual provides essential information for the safe and effective use of TIMCO Timber Screws, Hex Head, Exterior Green, 6.7 x 60 (Model: 60IN). These screws are designed for timber-to-timber applications, featuring a hex head and a specialized coating for enhanced corrosion resistance in exterior environments. Please read this manual thoroughly before use to ensure proper installation and longevity of the product.



Figure 1: Packaging for TIMCO In-Dex Timber Screws, showing product details and branding.

2. SAFETY INFORMATION

Always prioritize safety when working with fasteners and power tools. Failure to follow safety instructions may result in injury or damage.

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection.
- Ensure the work area is well-lit and clear of obstructions.
- Use the correct size and type of driver bit for the hex head to prevent stripping.
- Do not over-tighten screws, as this can damage the timber or the screw itself.
- Keep screws out of reach of children.
- Inspect screws for any damage before use. Do not use damaged screws.

3. PRODUCT FEATURES

The TIMCO Timber Screws are engineered with several features for optimal performance:

- **8mm Hex Head:** Countersunk with a fixed washer for secure fastening and a flush finish.

- **Corrosion Resistance:** Patented multi-layer plating withstands up to 1,000 hours salt spray resistance (BS EN 9227:2014), suitable for exterior applications.
- **Patented Lubrication:** Enhances screw insertion time and further improves corrosion resistance.
- **Helix Shank:** Designed to remove debris during driving, improving clamping force.
- **50° Deep Single Thread:** Provides a secure fixing with high pull-out resistance.
- **Material:** Constructed from durable carbon steel.

4. SETUP AND PREPARATION

Before installing the TIMCO Timber Screws, ensure proper preparation:

1. **Select Appropriate Timber:** Ensure the timber is suitable for the intended application and free from significant defects.
2. **Choose Correct Length:** Select a screw length appropriate for the thickness of the timber being joined, ensuring adequate penetration into the base material without protruding.
3. **Pre-drilling (Optional but Recommended):** For hardwoods or to prevent splitting, pre-drilling a pilot hole slightly smaller than the screw's core diameter may be beneficial.
4. **Driver Bit:** Use an 8mm hex driver bit that is in good condition to prevent cam-out and damage to the screw head.

5. OPERATING INSTRUCTIONS

Follow these steps for effective installation of TIMCO Timber Screws:

1. **Position the Screw:** Place the screw tip at the desired fastening point on the timber.
2. **Engage Driver:** Insert the 8mm hex driver bit firmly into the screw head.
3. **Drive the Screw:** Using a suitable power drill or impact driver, apply steady, even pressure while driving the screw into the timber. Maintain a straight angle to ensure proper engagement and prevent bending.
4. **Secure Fastening:** Continue driving until the hex head with its fixed washer is flush with the timber surface. Avoid over-tightening, which can strip the timber or shear the screw.



Figure 2: An example of a TIMCO Timber Screw being installed into a timber structure using an impact driver.

6. MAINTENANCE AND STORAGE

Proper care and storage will ensure the longevity and performance of your TIMCO Timber Screws:

- **Storage:** Store screws in their original packaging or a dry, cool environment to protect the corrosion-resistant coating. Avoid exposure to excessive moisture or corrosive chemicals.
- **Handling:** Handle screws carefully to avoid damaging the threads or coating.
- **Disposal:** Dispose of any damaged or unusable screws responsibly according to local regulations.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-----------------------------|--|--|
| Screw head strips (cam-out) | Incorrect driver bit size; worn driver bit; insufficient pressure; excessive torque. | Use the correct 8mm hex driver bit; replace worn bits; apply firm, consistent pressure; reduce drill torque setting. |

| Problem | Possible Cause | Solution |
|-------------------------|--|---|
| Screw not driving fully | Insufficient power from drill; dense timber; pilot hole too small or absent. | Use a more powerful drill/impact driver; consider pre-drilling a larger pilot hole for dense timber. |
| Timber splitting | No pilot hole; screw too close to timber edge; timber type prone to splitting. | Pre-drill a pilot hole; ensure adequate distance from timber edges; use appropriate timber for the application. |

8. SPECIFICATIONS

| Attribute | Detail |
|-------------------------|--|
| Model Number | 60IN |
| Size | 6.7 x 60 mm |
| Head Type | Hex Head with Fixed Washer |
| Material | Carbon Steel |
| Exterior Finish | Exterior (Green Organic) |
| Corrosion Resistance | 1,000 hours salt spray (BS EN 9227:2014) |
| Thread Type | 50° Deep Single Thread |
| Thread Coverage | Partially Threaded |
| Number of Pieces | 50 per box |
| Item Weight (Box of 50) | 0.5 Kilograms (approx. 1.1 pounds) |

9. WARRANTY AND SUPPORT

For specific warranty information regarding TIMCO Timber Screws, please refer to the official TIMCO website or contact their customer support directly. Warranty terms and conditions may vary.

For technical assistance or further inquiries, please visit the [TIMCO official website](#) or consult your retailer.