

[Manuals.plus](#) /

› [Hyper Tough](#) /

› Hyper Tough 26-Piece Ball End Hex Key Set Instruction Manual

Hyper Tough 26-Piece Ball End Hex Key Set

Hyper Tough 26-Piece Ball End Hex Key Set

INSTRUCTION MANUAL

Model: 26-Piece Ball End Hex Key Set

Product Overview

The Hyper Tough 26-Piece Ball End Hex Key Set is a comprehensive collection of hex keys designed for various fastening and unfastening tasks. This set includes both Metric and SAE sizes, providing versatility for a wide range of applications. The ball end design allows for angled entry into fasteners, improving accessibility in tight spaces.



Image: The Hyper Tough 26-Piece Ball End Hex Key Set, neatly organized in its durable plastic storage case. The image displays both the red-backed SAE set and the clear-backed Metric set, with various hex key sizes visible.

Setup and Preparation

Your Hyper Tough Hex Key Set comes pre-organized in a durable plastic holder for easy access and storage. No assembly is required for the hex keys themselves.

1. **Unpackaging:** Carefully remove the hex key set from its packaging. Ensure all 26 pieces are present within their respective holders.
2. **Familiarization:** Identify the two distinct sets: the Metric set (typically with clear or black backing) and the SAE (Imperial) set (often with a red backing). Each hex key is marked with its size.
3. **Storage:** Keep the hex keys in their provided holder to maintain organization and prevent loss. The holder is designed for compact and easy transport.

Operating Instructions

Using the Hyper Tough Ball End Hex Key Set is straightforward. Always select the correct size hex key for the fastener to prevent damage to both the tool and the fastener.

- **Selecting the Correct Size:** Match the hex key to the fastener's recess. The fit should be snug, with minimal play. Refer to the size markings on the hex keys and their holders.
- **Inserting the Hex Key:** Insert the hex key fully into the fastener's recess. For standard hex keys, ensure a straight insertion.
- **Utilizing the Ball End:** The ball end allows for entry into the fastener at an angle of up to approximately 25 degrees. This is particularly useful in confined spaces where a straight approach is not possible. When using the ball end, apply less torque than with the straight end to avoid rounding the fastener or breaking the tool. For final tightening or initial loosening, use the straight end for maximum leverage and to prevent damage.
- **Applying Torque:** Turn the hex key clockwise to tighten and counter-clockwise to loosen. Apply steady, even pressure. Avoid sudden jerking motions.
- **Leverage:** For increased leverage on stubborn fasteners, you may use the longer arm of the hex key.

Included Sizes:

Metric Hex Key Sizes:

1.5 mm
2 mm
2.5 mm
3 mm
4 mm
4.5 mm
5 mm
5.5 mm
6 mm
7 mm
8 mm
9 mm
10 mm

SAE Hex Key Sizes:

0.05"
1/16"
5/64"
3/32"

7/64"
1/8"
9/64"
5/32"
3/16"
7/32"
1/4"
5/16"
3/8"

Maintenance

- Proper maintenance will extend the life of your Hyper Tough Hex Key Set and ensure optimal performance.
- **Cleaning:** After use, wipe down hex keys with a clean, dry cloth to remove any dirt, grease, or debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
 - **Lubrication:** Periodically apply a light coat of rust-preventative oil to the hex keys, especially if stored in a humid environment. This helps protect the alloy steel from corrosion.
 - **Storage:** Always return hex keys to their designated slots in the provided plastic holder. Store the set in a dry, cool place, away from direct sunlight and corrosive chemicals.
 - **Inspection:** Before each use, inspect hex keys for any signs of wear, bending, or damage. Do not use damaged tools, as this can lead to injury or damage to fasteners.

Troubleshooting

Most issues encountered with hex keys relate to improper use or selection. Here are some common scenarios and solutions:

Problem	Possible Cause	Solution
Hex key slips or rounds fastener head.	Incorrect size hex key; hex key not fully inserted; excessive force with ball end; worn hex key.	Ensure correct size is used and fully inserted. Use straight end for initial loosening/final tightening. Replace worn hex key.
Hex key bends or breaks.	Excessive torque applied; using hex key as a pry bar; material fatigue.	Do not exceed reasonable torque. Never use hex keys for purposes other than intended. Replace broken tool.
Rust or corrosion on hex keys.	Improper storage; exposure to moisture.	Store in a dry environment. Apply light rust-preventative oil periodically.

Specifications

- **Product Name:** Hyper Tough 26-Piece Ball End Hex Key Set
- **Model:** 26-Piece Ball End Hex Key Set
- **Brand:** Hyper Tough
- **Material:** Alloy Steel
- **Color:** Black

- **Head Style:** Hex, Ball End
- **Finish Type:** Unpolished
- **Measurement Systems:** Metric and SAE (Inch)
- **Metric Sizes Included:** 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 4.5 mm, 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm (13 pieces)
- **SAE Sizes Included:** 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" (13 pieces)
- **Item Weight:** Approximately 2.15 - 2.2 Pounds
- **Product Dimensions:** Approximately 9.84 x 9.49 x 0.98 inches
- **UPC:** 801656007210
- **ASIN:** B09R6FC8ZM

Warranty Information

Hyper Tough products are designed for durability and performance. For specific warranty details regarding your 26-Piece Ball End Hex Key Set, please refer to the warranty documentation included with your purchase or visit the official Hyper Tough website. Typically, hand tools are covered against defects in material and workmanship under normal use.

Customer Support

If you have any questions, require assistance, or need to report an issue with your Hyper Tough 26-Piece Ball End Hex Key Set, please contact Hyper Tough customer service. Contact information can usually be found on the product packaging or the official Hyper Tough brand website.

Please have your product model information (26-Piece Ball End Hex Key Set) and ASIN (B09R6FC8ZM) ready when contacting support.

© 2024 Hyper Tough. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question