



Stalwart 52-Piece Socket Set

User Manual & Troubleshooting Guide

SKU: 75-HT3014

1. Package Contents

Handles & Accessories

- **Ratchet Handles**
 - 1/2" drive – 8.5"
 - 3/8" drive – 7.25"
- **Spinner Handle**
 - 1/4" drive
- **Extension Bar**
 - 3/8" drive, 70 mm
- **Adapter**
 - 3/8" to 1/4"
- **Spin Disk**
 - 3/8" drive
- **Spark Plug Sockets**
 - 5/8" (16 mm)
 - 13/16" (21 mm)

Metric Sockets

- **1/4" Drive:**
 - 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm
- **3/8" Drive:**
 - 14, 16, 17 mm
- **1/2" Drive:**
 - 10, 11, 12, 14, 15, 16, 18, 19, 20, 22 mm

SAE Sockets

- **1/4" Drive:**
 - 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"
- **3/8" Drive:**
 - 9/16", 11/16", 3/4"
- **1/4" Drive, 8 Points:**
 - 1/4", 5/16", 3/8"



2. Product Overview

Feature	Description
Product Type	52-piece socket set with 6-point sockets
Drive Sizes	1/4", 3/8", 1/2"
Measurement Systems	SAE (inch) and Metric (mm)
Intended Use	Light-duty household repairs, bicycle assembly, basic automotive maintenance, and DIY projects

3. How to Use

- 1. Select the Correct Drive Size**
 - 1/4" drive: low-torque tasks (under 30 Nm)
 - 3/8" drive: general use
 - 1/2" drive: higher-torque applications
- 2. Attach the Socket**
 - Align the socket with the ratchet drive.
 - Push firmly until fully seated.
- 3. Remove the Socket**
 - Pull the socket straight off the drive.
 - (Note: This ratchet does not have a locking mechanism.)
- 4. Change Ratchet Direction**
 - Move the lever on the ratchet head:
 - Left = Loosen
 - Right = Tighten
- 5. Use the Extension Bar**
 - Insert between the ratchet and socket to reach recessed or tight spaces.
- 6. Use the Adapter**
 - Attach the 3/8"-to-1/4" adapter to use 1/4" sockets with a 3/8" ratchet.

4. Compatibility & Intended Use

Suitable For

- Home furniture assembly
- Bicycle repair and maintenance
- General DIY projects
- Basic car maintenance (spark plugs, under-body panels, battery terminals)



Not Suitable For

- Heavy-duty truck or industrial repair
- High-torque applications (suspension work, engine head bolts)
- Professional or daily heavy-use environments
- Impact drivers or powered tools

5. Important Safety & Usage Notes

1. **Not for impact use**
Do not use with impact wrenches or power tools.
2. **Shallow 1/2" drive sockets**
Not intended for deep or recessed fasteners.
3. **Spinner handle limitations**
Do not apply high torque—hand-spinning only.
4. **Proper storage**
Store tools in a dry place to prevent rust and corrosion.
5. **Cleaning**
Wipe tools with a dry cloth before returning them to the case.

4. Troubleshooting Guide

Problem	Possible Cause	Solution
Socket does not grip fastener	Incorrect socket size	Re-check fastener and use the correct size
Ratchet turns but won't tighten or loosen	Direction lever set incorrectly	Flip the lever to the correct direction
Ratchet slips under load	Internal gear wear (rare)	Stop using and contact customer support
Socket falls off ratchet	Socket not fully seated	Push socket firmly onto the drive
Tools fall out of case	Case opened incorrectly	Open case flat with latches facing up
Spinner handle feels weak	Low-torque design	Use only for hand-spinning
Adapter wobbles	Normal tolerance	Acceptable for light-duty use only
