

Tohnichi QH12D

Tohnichi QH12D Ratchet Head Instruction Manual

Model: QH12D

1. INTRODUCTION

Thank you for choosing the Tohnichi QH12D Ratchet Head. This instruction manual provides essential information for the safe and effective use of your new tool. The QH12D is a high-quality, durable ratchet head designed for precise mechanical operation, featuring a 3/8-inch fixed square drive and a powder-coated finish for long-lasting performance. It is lightweight and engineered for reliability.



Figure 1: Tohnichi QH12D Ratchet Head. This image shows the compact metal construction and the 3/8-inch square drive of the tool.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the Tohnichi QH12D Ratchet Head:

- **Read the Manual:** Before use, thoroughly read and understand this instruction manual and the manual for the torque wrench or handle it will be attached to.
- **Wear Eye Protection:** Always wear appropriate eye protection to prevent injury from flying debris.
- **Inspect Tool:** Before each use, inspect the ratchet head for any signs of damage, wear, or deformation. Do not use if damaged.
- **Proper Attachment:** Ensure the ratchet head is securely attached to the drive of the torque wrench

or handle. Improper attachment can lead to slippage and injury.

- **Correct Application:** Use the tool only for its intended purpose, which is to apply torque with a compatible torque wrench. Do not use it as a pry bar or for other unintended applications.
- **Keep Clear:** Keep hands and fingers clear of moving parts during operation.
- **Storage:** Store the tool in a clean, dry place, away from children and unauthorized users.

3. SETUP

The Tohnichi QH12D Ratchet Head is designed for quick and secure attachment to compatible torque wrenches or handles with a 3/8-inch square drive.

1. **Identify Drive:** Ensure your torque wrench or handle has a 3/8-inch square drive compatible with the QH12D.
2. **Clean Connection:** Before attaching, ensure both the ratchet head's square opening and the torque wrench's drive are clean and free from debris.
3. **Attach Ratchet Head:** Align the square opening of the QH12D Ratchet Head with the square drive of your torque wrench. Push the ratchet head firmly onto the drive until it clicks into place or is fully seated.
4. **Verify Security:** Gently pull on the ratchet head to confirm it is securely attached and does not wobble.

4. OPERATING INSTRUCTIONS

Once the QH12D Ratchet Head is securely attached to your torque wrench, you can proceed with your task.

- **Select Direction:** The ratchet mechanism allows for tightening or loosening. Adjust the direction lever on the ratchet head as needed for your application (if applicable to your specific model, otherwise it's a fixed head). *Note: The QH12D features a fixed square head, meaning the drive direction is determined by the orientation of the tool.*
- **Engage Fastener:** Place the appropriate socket or attachment onto the square drive of the ratchet head and engage it with the fastener (e.g., nut or bolt).
- **Apply Torque:** Operate your torque wrench according to its specific instructions to apply the desired torque. The QH12D's mechanical operation ensures precise engagement.
- **Remove Tool:** After applying torque, carefully remove the tool from the fastener and then detach the ratchet head from the torque wrench by pulling it off the square drive.

5. MAINTENANCE

Proper maintenance will extend the life and ensure the continued accuracy of your Tohnichi QH12D Ratchet Head.

- **Cleaning:** After each use, wipe the ratchet head clean with a dry, soft cloth to remove any dirt, grease, or debris. Avoid using harsh chemicals or solvents that could damage the powder-coated finish.
- **Lubrication:** The internal mechanism of the ratchet head is designed for minimal maintenance. Do not attempt to lubricate unless specifically instructed by Tohnichi.
- **Storage:** Store the tool in a protective case or a designated tool drawer to prevent damage from impacts or corrosion. Keep it in a dry environment.
- **Inspection:** Periodically inspect the square drive and the body of the ratchet head for any signs of

wear, cracks, or damage. If significant wear or damage is observed, discontinue use and consider replacement.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Ratchet head does not attach securely.	Incorrect drive size; debris in drive; worn drive.	Verify torque wrench has a 3/8-inch square drive. Clean both drives. Inspect for wear; replace if necessary.
Ratchet mechanism feels rough or sticky.	Dirt or debris inside mechanism; lack of lubrication (unlikely for this model).	Clean exterior thoroughly. Do not attempt to disassemble. If problem persists, contact Tohnichi support.
Tool slips during use.	Improper attachment; worn square drive on either tool.	Ensure secure attachment. Inspect both square drives for wear. Replace worn components.

7. SPECIFICATIONS

Feature	Detail
Brand	Tohnichi
Model Number	QH12D
Material	Metal
Item Weight	0.15 Kilograms
Head Style	Fixed Square
Square Drive Size	3/8 inch
Operation Mode	Mechanical
Finish Type	Powder Coated

8. WARRANTY INFORMATION

Tohnichi products are manufactured to high standards of quality. For specific warranty terms and conditions applicable to the QH12D Ratchet Head, please refer to the documentation provided with your purchase or visit the official Tohnichi website. General warranty typically covers defects in materials and workmanship under normal use.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your Tohnichi QH12D Ratchet Head, please contact Tohnichi customer support.

- **Online Support:** Visit the official Tohnichi website for FAQs, product information, and contact forms.
- **Brand Store:** You can also find more information and contact options through the [Tohnichi Store on Amazon](#).

