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Hyper Tough 208 Piece Rotary Tool Accessory Kit

Hyper Tough 208 Piece Rotary Tool Accessory Kit User Manual

Brand: Hyper Tough | Model: 208 Piece Rotary Tool Accessory Kit

1. INTRODUCTION

Welcome to the user manual for your Hyper Tough 208 Piece Rotary Tool Accessory Kit. This comprehensive kit provides a wide array of accessories designed to enhance the versatility of your rotary tool. Please read this manual carefully to understand the components, proper usage, and maintenance procedures to ensure safe and effective operation.

2. PRODUCT OVERVIEW

The Hyper Tough 208 Piece Rotary Tool Accessory Kit is a versatile collection of bits, wheels, brushes, and other attachments for various rotary tool applications. It comes organized in a durable, clear plastic storage case for easy access and portability.





Image 1: The Hyper Tough 208 Piece Rotary Tool Accessory Kit, neatly organized within its transparent storage case.



Image 2: The accessory kit with its lid open, displaying the full range of 208 pieces.

3. INCLUDED COMPONENTS

This kit contains 208 pieces of rotary tool accessories, suitable for a variety of tasks including cutting, grinding, sanding, polishing, and drilling. Below is a detailed list of the included items:

SET INCLUDES:
 10 - 1/2-in. Sanding Bands: 5 - 80-grit & 5 - 120-grit, Max speed: 20000RPM
 10 - 1/4-in. Sanding Bands: 5 - 80-grit & 5 - 120-grit, Max speed: 20000RPM
 1 - 1-in. Buffing Disc, Max speed: 20000RPM
 6 - Felt Wheels, Max speed: 20000RPM
 1 - Soft Emery Wheel, Max speed: 20000RPM
 3 - HSS Drill Bits: 1/8-in., 3/32-in. & 1/16-in. Max speed: 35000RPM
 2 - Sanding Drums: 1/2-in. & 1/4-in. Max speed: 20000RPM
 4 - Diamond Cutters: Cylinder, Big Ball, Taper & Small Ball, Max speed: 25000RPM
 3 - HSS Router Bits: Cylinder, Ball & Taper, Max speed: 35000RPM
 6 - Aluminium Oxide Grinding Stones with Shank: Big Cylinder, Bullet & Small Cylinder
 Max speed: 20000RPM
 4 - Silicon Carbide Grinding Stones with Shank: Big Cylinder & Small Cylinder, Max speed: 20000RPM
 6 - Aluminium Oxide Grinding Wheels, Max speed: 20000RPM
 6 - Silicon Carbide Grinding Wheels, Max speed: 20000RPM
 3 - Plastic Brushes: Wheel, Cup & End, Max speed: 15000RPM
 3 - Wire Brushes: Wheel, Cup & End, Max speed: 15000RPM
 3 - Brass Brushes: Wheel, Cup & End, Max speed: 15000RPM
 1 - Polish Compound
 30 - 15/16-in. x 0.75-mm Cut-Off Wheels, Max speed: 20000RPM
 46 - 15/16-in. x 0.45-mm Cut-Off Wheels, Max speed: 20000RPM
 44 - Sanding Paper Discs, Max speed: 20000RPM
 4 - Collets: 1/8-in.(2), 3/32-in. & 1/16-in. Max speed: 35000RPM
 2 - 1/16-in. Mandrels for Cut-Off Wheel and Grinding Wheel, Max speed: 32000RPM
 1 - 3/32-in. Mandrel for Buffing Disc, Max speed: 32000RPM
 1 - 1/8-in. Mandrel for Felt Wheel, Max speed: 32000RPM
 5 - Fiberglass Cut-Off Wheels, Max speed: 30000RPM
 1 - 3/8-in. Wrench
 1 - Flap Wheel, 80-grit, Max speed: 32000RPM
 1 - Whetstone, 60-grit

Image 3: A detailed list of all 208 accessories and their specifications.

- 10 - 1/2-in. Sanding Bands: 5 - 80-grit & 5 - 120-grit, Max speed: 20000RPM
- 10 - 1/4-in. Sanding Bands: 5 - 80-grit & 5 - 120-grit, Max speed: 20000RPM
- 1 - Buffing Disc, Max speed: 20000RPM
- 6 - Felt Wheels, Max speed: 20000RPM
- 1 - Soft Emery Wheel, Max speed: 20000RPM
- 3 - HSS Drill Bits: 1/8-in., 3/32-in. & 1/16-in. Max speed: 35000RPM
- 2 - Sanding Drums: 1/2-in. & 1/4-in. Max speed: 20000RPM
- 4 - Diamond Cutters: Cylinder, Big Ball, Taper & Small Ball, Max speed: 25000RPM
- 3 - HSS Router Bits: Cylinder, Ball & Taper, Max speed: 35000RPM
- 6 - Aluminium Oxide Grinding Stones with Shank: Big Cylinder & Bullet & Small Cylinder, Max speed: 20000RPM
- 4 - Silicon Carbide Grinding Stones with Shank: Big Cylinder & Small Cylinder, Max speed: 20000RPM
- 6 - Aluminium Oxide Grinding Wheels, Max speed: 20000RPM
- 6 - Silicon Carbide Grinding Wheels, Max speed: 20000RPM
- 3 - Plastic Brushes: Wheel, Cup & End, Max speed: 15000RPM
- 3 - Wire Brushes: Wheel, Cup & End, Max speed: 15000RPM
- 3 - Brass Brushes: Wheel, Cup & End, Max speed: 15000RPM
- 1 - Polish Compound
- 30 - 15/16-in. x 0.75-mm Cut-Off Wheels, Max speed: 20000RPM
- 46 - 15/16-in. x 0.45-mm Cut-Off Wheels, Max speed: 20000RPM
- 44 - Sanding Paper Discs, Max speed: 20000RPM
- 4 - Collets: 1/8-in.(2), 3/32-in. & 1/16-in. Max speed: 35000RPM
- 2 - 1/16-in. Mandrels for Cut-Off Wheel and Grinding Wheel, Max speed: 32000RPM
- 1 - 3/32-in. Mandrel for Buffing Disc, Max speed: 32000RPM
- 1 - 1/8-in. Mandrel for Felt Wheel, Max speed: 32000RPM
- 5 - Fiberglass Cut-Off Wheels, Max speed: 30000RPM
- 1 - 3/8-in. Wrench
- 1 - Flap Wheel, 80-grit, Max speed: 32000RPM
- 1 - Whetstone, 60-grit

4. SETUP AND ATTACHMENT

These accessories are designed for use with compatible rotary tools (not included). Always ensure your rotary tool is unplugged or powered off before attaching or removing any accessories.

4.1 Attaching Accessories

1. **Identify the Collet:** Select the correct collet size that matches the shank diameter of the accessory you wish to use. The kit includes collets in 1/8-in., 3/32-in., and 1/16-in. sizes.
2. **Insert the Collet:** Place the appropriate collet into the collet nut of your rotary tool.
3. **Insert the Accessory:** Insert the shank of the desired accessory into the collet, ensuring it is fully seated but not forced.
4. **Tighten the Collet Nut:** Use the provided wrench (or your rotary tool's integrated wrench) to securely tighten the collet nut. Do not overtighten, but ensure the accessory is firmly held and does not wobble.



Image 4: Demonstrating the attachment of an accessory to a rotary tool using the provided wrench.

4.2 Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and a dust mask, when operating a rotary tool and its accessories.
- Ensure the accessory is securely fastened before starting the rotary tool.
- Do not exceed the maximum RPM specified for each accessory. Refer to the "Included Components" list for maximum speed ratings.
- Work in a well-ventilated area.
- Keep hands and loose clothing away from rotating parts.

5. OPERATING GUIDELINES

This accessory kit is designed for a wide range of materials and applications. Always select the appropriate accessory for the task and material to ensure optimal performance and safety.

5.1 Material Compatibility

The accessories in this kit can be used on various materials, including but not limited to:

- Wood
- Glass
- Ceramic Tiles
- Plastics
- Metals (e.g., aluminum, steel)
- Stone
- Soft materials (e.g., leather, rubber)

5.2 General Usage Tips

- Start with a lower speed setting on your rotary tool and gradually increase as needed for the material and task.
- Apply light, consistent pressure. Excessive force can damage the accessory or the workpiece.
- Allow the accessory to do the work.
- For cutting or grinding, make multiple passes rather than attempting to complete the task in one deep cut.
- Regularly inspect accessories for wear or damage. Replace worn or damaged accessories immediately.

6. MAINTENANCE

Proper maintenance will extend the life of your rotary tool accessories and ensure their continued performance.

- **Cleaning:** After each use, clean accessories to remove dust, debris, and material residue. A soft brush or compressed air can be used. For metal accessories, a wire brush may be effective.
- **Storage:** Store all accessories in the provided plastic storage case. This protects them from damage, keeps them organized, and prevents loss. Ensure the case is closed securely.
- **Inspection:** Periodically inspect accessories for signs of wear, cracks, chips, or dullness. Replace any damaged or excessively worn accessories to maintain performance and safety.
- **Rust Prevention:** For metal accessories, consider applying a light coat of rust-inhibiting oil if storing in a humid environment.

7. TROUBLESHOOTING

While this accessory kit is designed for durability and versatility, you may encounter common issues. Here are some tips:

7.1 Accessory Not Performing as Expected

- **Dullness/Wear:** If an accessory is not cutting, grinding, or sanding effectively, it may be dull or worn out. Replace it with a new one.
- **Incorrect Accessory:** Ensure you are using the correct accessory for the material and task. Refer to the "Included Components" section for guidance on each type of bit. For specific applications, consult online resources or your rotary tool's manual.
- **Speed Setting:** Adjust the speed of your rotary tool. Too low a speed might be ineffective, while too high a speed can cause premature wear or damage to the accessory or workpiece.

7.2 Accessories Breaking Easily

- **Excessive Pressure:** Applying too much pressure can cause accessories, especially smaller or more delicate ones like drill bits or cut-off wheels, to break. Use light, consistent pressure.
- **Incorrect Material:** Ensure the accessory is rated for the material you are working on. For example, using a standard drill bit on hardened steel may cause it to break.
- **Overheating:** Continuous use without breaks can cause accessories to overheat and become brittle. Allow accessories to cool down during prolonged use.
- **Improper Attachment:** An accessory that is not securely tightened in the collet can wobble, leading to breakage. Re-check the attachment as described in Section 4.1.

8. SPECIFICATIONS

Feature	Detail
Brand	Hyper Tough
Model Name	208 Piece Rotary Tool Accessory Kit
Included Components	208 pieces of rotary tool accessories (as detailed in Section 3)
Power Source	Manual (for the kit itself; accessories are for powered rotary tools)
Color	Green (storage case)
Item Weight	1.35 pounds
Package Dimensions	12.13 x 6.73 x 2.24 inches
Storage Case Material	Plastic

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Hyper Tough 208 Piece Rotary Tool Accessory Kit, please refer to the documentation provided at the time of purchase or contact the retailer. Hyper Tough products typically come with a manufacturer's warranty against defects in materials and workmanship.

If you require further assistance or have questions not covered in this manual, please contact Hyper Tough customer support or the retailer from whom you purchased the product. Keep your proof of purchase for any warranty claims.

