

RYOBI SCS10A1

RYOBI SCS10A1 Triangular Sander Hook-and-Loop Abrasive Sheets User Manual

Model: SCS10A1

1. PRODUCT OVERVIEW

The RYOBI SCS10A1 is an assortment of 10 hook-and-loop abrasive sheets designed for use with triangular sanders. These sheets are suitable for various sanding tasks on materials such as metal, wood, and other surfaces, effectively removing paint or surface imperfections.

The package includes 10 triangular abrasive sheets, each measuring 100 x 140 mm. The assortment provides a range of grits for different stages of sanding:

- 3 sheets with 60 grit (coarse)
- 3 sheets with 80 grit (medium)
- 4 sheets with 120 grit (fine)

These discs are manufactured from aluminum oxide for durability and effective material removal.



Figure 1: A single RYOBI SCS10A1 hook-and-loop triangular abrasive sheet.

2. COMPATIBILITY

These abrasive sheets are specifically designed for use with RYOBI triangular sanders. Compatible models include:

- R18PS-0
- CRO180MHG
- CCC1801M
- ECS1214N

Ensure your sander is a triangular model with a hook-and-loop base for proper attachment.

3. SETUP AND INSTALLATION

To install an abrasive sheet onto your triangular sander, follow these steps:

1. **Ensure the sander is disconnected from its power source or has its battery removed.** This prevents accidental activation.
2. Locate the hook-and-loop sanding pad on the base of your triangular sander.
3. Align the holes on the abrasive sheet with the dust extraction holes on the sander's pad. This ensures efficient dust collection during operation.
4. Press the abrasive sheet firmly onto the sander's pad. The hook-and-loop backing will secure it in place. Ensure the sheet is centered and fully adhered to prevent uneven wear or detachment during use.



Figure 2: Proper attachment of an abrasive sheet to a triangular sander.

4. OPERATING INSTRUCTIONS

Once the abrasive sheet is securely attached, you can begin sanding. Always wear appropriate personal protective equipment (PPE), including safety glasses and a dust mask, when operating power tools.

1. **Select the appropriate grit:**
 - **60 grit (Coarse):** For aggressive material removal, stripping paint, or smoothing very rough surfaces.
 - **80 grit (Medium):** For general sanding, preparing surfaces for finishing, or removing moderate imperfections.
 - **120 grit (Fine):** For final smoothing, light sanding between coats of finish, or preparing for painting.
2. **Hold the sander firmly:** Grip the sander with both hands if possible, ensuring a stable and controlled operation.
3. **Apply light, even pressure:** Allow the sander and abrasive sheet to do the work. Excessive pressure can reduce sanding effectiveness, wear out the sheet prematurely, and potentially damage the surface.
4. **Move the sander steadily:** Move the sander in overlapping passes across the workpiece. Avoid holding the sander stationary in one spot, as this can create depressions or uneven sanding.
5. **Monitor dust collection:** Ensure the dust collection system of your sander is functioning correctly to maintain a clear workspace and prolong the life of the abrasive sheet.



Figure 3: Using the triangular sander with an abrasive sheet on a wooden bench.



Figure 4: Sanding a wooden chair to prepare it for finishing.

5. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your abrasive sheets:

- **Clean after use:** After each use, remove the abrasive sheet from the sander. Gently brush off any accumulated dust or debris from the abrasive surface and the hook-and-loop backing.
- **Inspect for wear:** Regularly check the abrasive sheets for signs of wear, such as dulling of the grit, clogging, or tears. Replace worn sheets to maintain sanding efficiency and prevent damage to the workpiece.
- **Store properly:** Store unused abrasive sheets in their original packaging or a clean, dry container. Avoid exposing them to excessive moisture or extreme temperatures, which can degrade the adhesive and abrasive properties.

6. TROUBLESHOOTING

If you encounter issues during sanding, consider the following:

- **Ineffective sanding:** If the abrasive sheet is not removing material efficiently, it may be worn out or clogged with debris. Replace the sheet with a new one or try a coarser grit.
- **Uneven finish:** Ensure the abrasive sheet is properly attached and not loose. Apply even pressure and move the sander consistently across the surface.
- **Sheet detaching:** Check if the hook-and-loop backing on both the sheet and the sander pad is clean and free of debris. If the backing is worn, replace the abrasive sheet or inspect the sander's pad for damage.

7. SPECIFICATIONS

Feature	Specification
Model Number	SCS10A1
Product Dimensions (L x W x H)	10.4 x 20 x 145 cm; 93 grams
Abrasive Sheet Dimensions	100 x 140 mm
Number of Pieces	10
Grit Assortment	3 x 60 grit, 3 x 80 grit, 4 x 120 grit
Grit Material	Aluminum Oxide
Backing Type	Hook-and-Loop (Auto-Agrippants)
Country of Origin	China

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official RYOBI website or contact your local RYOBI authorized dealer. Keep your purchase receipt as proof of purchase.

RYOBI is part of Techtronic Industries (TTI), a global manufacturer of power tools, outdoor power equipment, and accessories.