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**S&R 235.125.060**

# S&R 125mm Orbital Sander Sanding Discs User Manual

Model: 235.125.060

Brand: S&R

## 1. PRODUCT OVERVIEW

This manual provides instructions for the S&R 125mm 8-hole orbital sander sanding discs. These discs are designed for various sanding applications on different materials, offering a range of grits from coarse to fine for effective material removal and surface finishing.



Image 1.1: Overview of S&R 125mm 8-hole sanding discs, showing a variety of grits from P40 to P240.

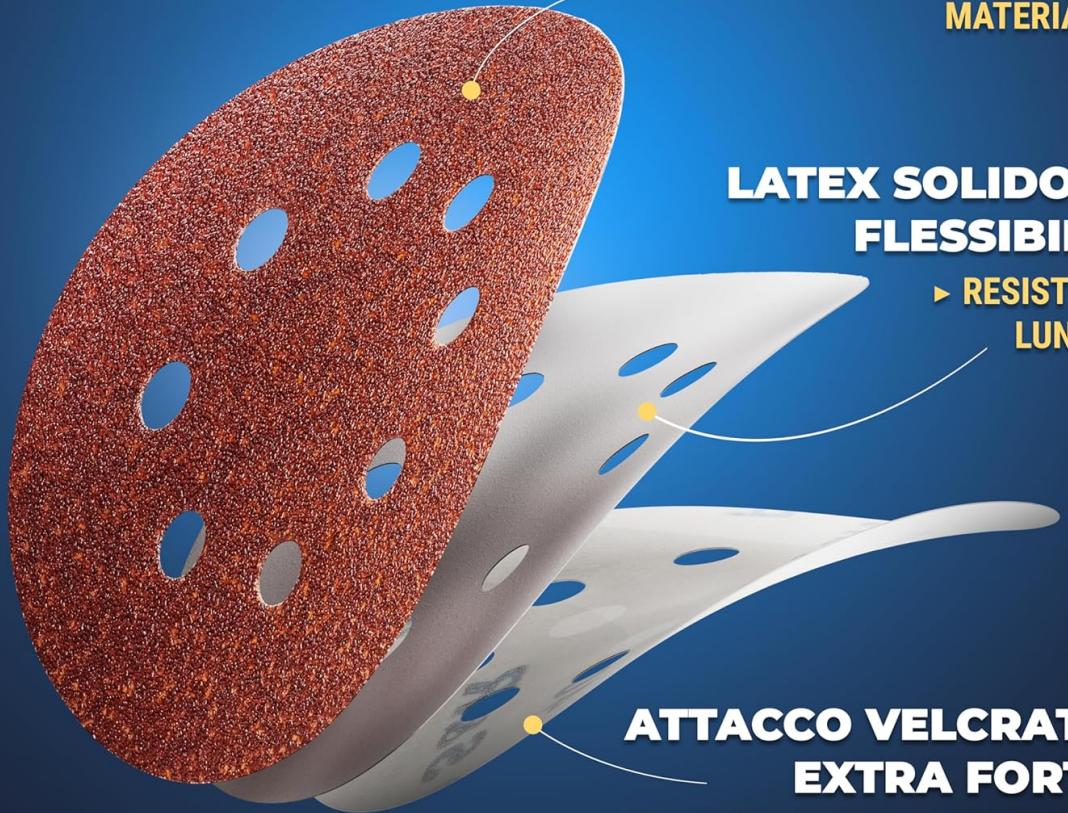
#### Key Features:

- **Comprehensive Set:** Includes 60 discs with 10 pieces each of P40, P60, P80, P120, P180, and P240 grits.
- **8-Hole Design:** Ensures efficient dust extraction, maintaining a cleaner work surface and improving sanding efficiency.
- **Hook and Loop Fastening:** Allows for quick and easy disc changes on 125mm eccentric orbital sanders.
- **Versatile Application:** Suitable for sanding wood, metal, non-ferrous metals, steel, alloys, plastics, polymers, and stainless steel.
- **Durable Material:** Made with aluminum oxide grains on a fabric backing for effective material removal and longevity.

**25%**  
**ROBUSTI**

**OSSIDO DI ALLUMINIO  
PROFESSIONALE**

► **EFFICACE RIMOZIONE DEL  
MATERIALE**



**LATEX SOLIDO E  
FLESSIBILE**

► **RESISTE A  
LUNGO**

**ATTACCO VELCRATO  
EXTRA FORTE**

► **I RESTANO FISSI ALLA MACCHINA**

Image 1.2: Cross-section view of an S&R sanding disc, highlighting its robust construction with aluminum oxide, latex, and hook and loop backing.

## 2. SAFETY INFORMATION

Always prioritize safety when using abrasive tools.

- **Eye Protection:** Always wear safety glasses or goggles to protect against flying debris.
- **Respiratory Protection:** Use a dust mask or respirator, especially when sanding wood, paint, or other materials that produce fine dust.
- **Hand Protection:** Wear appropriate gloves to protect your hands from abrasions and vibrations.
- **Work Area:** Ensure your work area is well-ventilated and clear of obstructions.
- **Tool Compatibility:** Ensure the sanding discs are compatible with your orbital sander's diameter (125mm) and hole pattern (8-hole).
- **Secure Workpiece:** Always secure the workpiece to prevent movement during sanding.

## 3. SETUP AND INSTALLATION

Proper installation of the sanding disc is crucial for effective and safe operation.

- 1. Prepare the Sander:** Ensure your orbital sander is unplugged or its battery is removed before changing discs.
- 2. Remove Old Disc (if applicable):** Gently peel off any old sanding disc from the sander's backing pad.
- 3. Clean Backing Pad:** Inspect the sander's hook and loop backing pad for debris or wear. Clean it if necessary to ensure good adhesion for the new disc.
- 4. Select Correct Grit:** Choose the appropriate grit for your task (refer to Section 4: Operating Instructions).
- 5. Attach New Disc:** Align the 8 holes on the sanding disc with the holes on the sander's backing pad. Press the disc firmly onto the backing pad to ensure a secure attachment via the hook and loop system.
- 6. Verify Attachment:** Lightly tug on the edges of the disc to confirm it is securely fastened and will not detach during operation.



Image 3.1: Illustration of the quick and easy disc change process using the hook and loop fastening system on an orbital sander.

#### 4. OPERATING INSTRUCTIONS

These sanding discs are designed for use with 125mm 8-hole orbital sanders. Follow these guidelines for optimal performance and results.

### Grit Selection Guide:

Grit (P)	Application	Purpose
<b>P40, P60</b>	Coarse sanding, heavy material removal	Removing old paint/varnish, shaping wood, removing rust, initial rough sanding of plaster.
<b>P80, P120</b>	Medium sanding, surface preparation	Smoothing rough surfaces, preparing for painting or staining, removing minor imperfections.
<b>P180, P240</b>	Fine sanding, finishing	Achieving a smooth finish, final preparation before sealing or polishing.

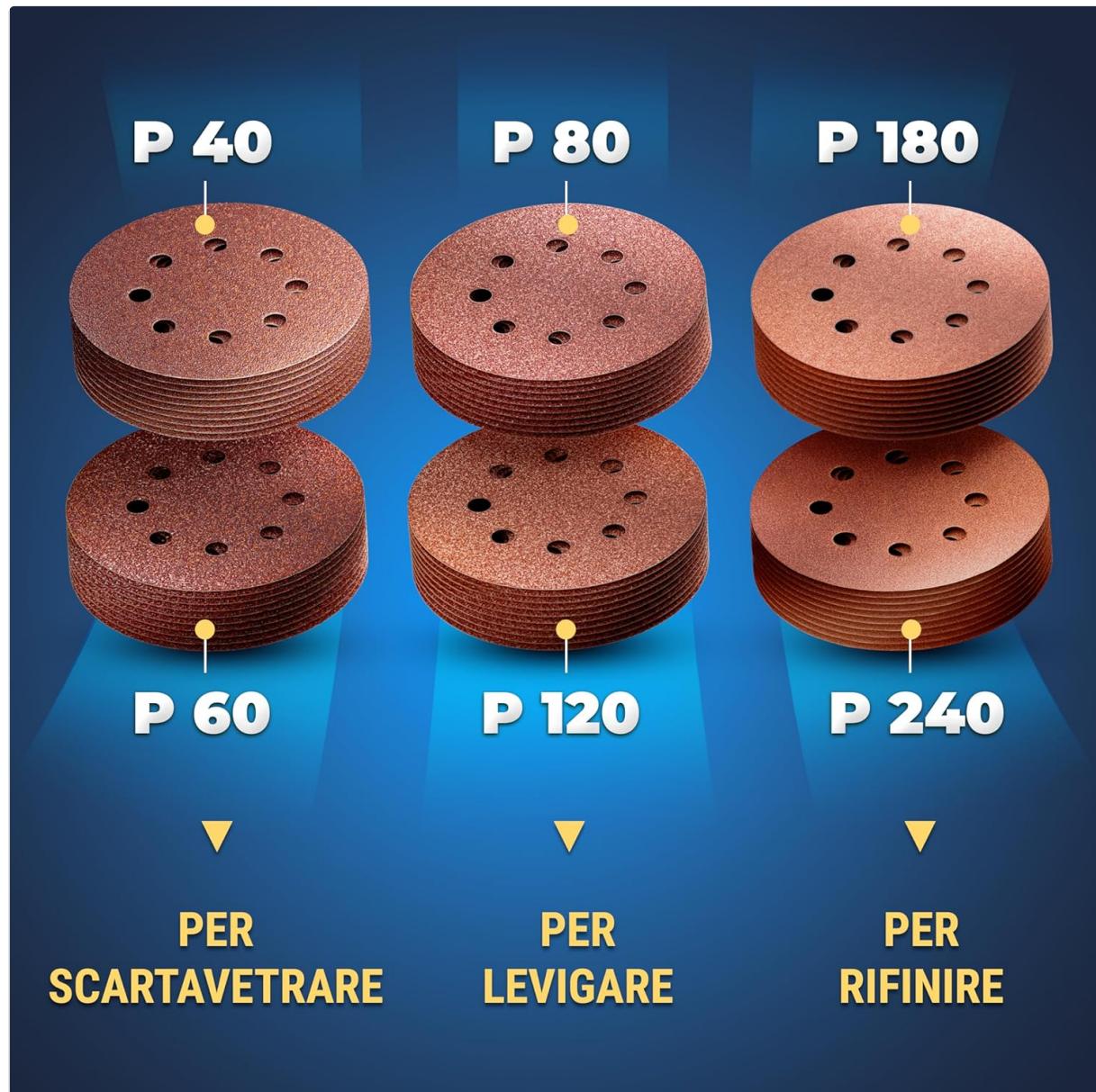


Image 4.1: Visual guide to grit sizes (P40, P60, P80, P120, P180, P240) and their recommended uses for sanding, smoothing, and finishing.

### General Usage Tips:

- Start Coarse, Finish Fine:** Begin with a coarser grit (e.g., P40 or P60) for significant material removal, then progressively move to finer grits (e.g., P120, P180, P240) to achieve a smooth finish.

- **Even Pressure:** Apply even, moderate pressure to the sander. Excessive pressure can reduce disc life and lead to uneven sanding.
- **Keep Moving:** Continuously move the sander over the workpiece in overlapping passes to avoid creating swirl marks or gouges.
- **Dust Extraction:** Utilize the 8-hole design by connecting your orbital sander to a dust collection system or vacuum cleaner for a cleaner work environment and extended disc life.
- **Inspect Discs:** Regularly check the sanding disc for wear, clogging, or damage. Replace worn discs promptly to maintain sanding efficiency and prevent damage to the workpiece.



Image 4.2: Demonstrates the versatility of the sanding discs for various materials like metal, wood, plastic, glass, and stone, and for tasks such as removing colors, varnishes, rust, and plaster.

## 5. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your sanding discs and ensure consistent performance.

- **Clean Discs:** For light clogging, you can use a sanding disc cleaning stick or a stiff brush to remove accumulated dust and debris. This can temporarily extend the life of the disc.
- **Inspect Backing Pad:** Periodically check the hook and loop backing pad on your sander for wear or

damage. A worn backing pad will not hold discs securely.

- **Storage:** Store unused sanding discs in a cool, dry place away from direct sunlight and humidity. Keep them flat to prevent warping.
- **Disposal:** Dispose of worn-out sanding discs according to local waste disposal regulations.

## 6. TROUBLESHOOTING

If you encounter issues during sanding, consider the following common problems and solutions:

- **Poor Material Removal:**

- Ensure you are using an appropriate grit for the task. Coarser grits remove material faster.
- Check if the disc is worn out or clogged. Replace if necessary.

- **Sanding Marks/Swirls:**

- Move the sander continuously and avoid dwelling in one spot.
- Ensure the disc is clean and not clogged.
- Progress through grits properly, not skipping too many grit levels.

- **Disc Detaches During Use:**

- Verify the disc was firmly pressed onto the backing pad during installation.
- Inspect the sander's hook and loop backing pad for wear. If the hooks are flattened, the pad may need replacement.
- Avoid excessive pressure during sanding.

- **Excessive Dust:**

- Ensure the 8-hole pattern of the disc aligns with the sander's dust extraction holes.
- Connect the sander to a dust collection system or shop vacuum.
- Empty the dust bag/canister regularly.

## 7. SPECIFICATIONS

<b>Brand</b>	S&R
<b>Model Number</b>	235.125.060
<b>Disc Diameter</b>	125 mm
<b>Hole Pattern</b>	8-hole
<b>Grit Sizes Included</b>	P40, P60, P80, P120, P180, P240
<b>Quantity</b>	60 pieces (10 of each grit)
<b>Material</b>	Aluminum Oxide grains, Fabric backing
<b>Fastening Type</b>	Hook and Loop (Velcro)
<b>Product Weight</b>	480 g
<b>Thickness</b>	2 mm

## 8. WARRANTY AND SUPPORT

For any questions regarding the S&R 125mm orbital sander sanding discs, please contact S&R customer support.

- **Manufacturer:** S&R Industriewerkzeuge GmbH
- **Support:** Refer to the S&R official website or contact information provided with your purchase for warranty details and customer assistance.
- **Online Store:** Visit the [S&R Store on Amazon](#) for more products and information.