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> Sigma Tile Cutter Art. 4FN 155 cm Instruction Manual

Sigma 4FN

Sigma Tile Cutter Art. 4FN 155 cm Instruction Manual

Model: 4FN | Length: 155 cm

INTRODUCTION

Thank you for choosing the Sigma Art. 4FN Tile Cutter. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tile cutter. Please read these instructions carefully before use and keep them for future reference.

The Sigma Art. 4FN is a hand-powered tile cutter designed for precise and clean cuts on various tile types. It features an aluminum structure, a push-scoring mechanism, adjustable cutting thickness from 0-19 mm, a rotating breaking foot, and an adjustable measuring bar up to 155x155 cm.

SAFETY INSTRUCTIONS

Always prioritize safety when operating any tool. Failure to follow these safety guidelines may result in injury or damage to the tool.

- **Read the Manual:** Always read and understand this entire instruction manual before operating the tile cutter.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- **Stable Work Surface:** Ensure the tile cutter is placed on a stable, level, and non-slip work surface.
- **Keep Area Clear:** Maintain a clean and well-lit work area. Remove any clutter that could interfere with operation.
- **Inspect Before Use:** Before each use, inspect the tile cutter for any signs of damage or wear. Do not use if any components are damaged.
- **Proper Tile Placement:** Ensure the tile is correctly positioned and secured before scoring and breaking.
- **Handle with Care:** The scoring wheel is sharp. Handle the scoring unit with care to avoid cuts.
- **Children and Bystanders:** Keep children and bystanders away from the work area.
- **Storage:** Store the tile cutter in a dry, secure location, out of reach of children.

COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Sigma Art. 4FN Tile Cutter:

- **Aluminum Structure:** The robust frame providing stability and support.
- **NEX Handle:** Ergonomically shaped handle, specifically designed for push-scoring.
- **Scoring Unit:** Contains the 16 mm diameter scoring wheel. It is clearly visible to the operator and features double springing for cushioned scoring of structured tiles. The scoring wheel rotates on a roller bearing, guided laterally by an anti-friction metal shell inserted into a CNC-milled housing, to prevent friction and lateral wear.
- **Breaking Foot:** A rotating mechanism used to apply pressure and break the tile along the scored line.
- **Adjustable Measuring Bar:** An orientable bar for precise measurement and positioning of tiles, up to 155x155 cm.
- **Cutting Thickness Adjustment:** Mechanism to adjust the cutting depth for tiles between 0-19 mm.

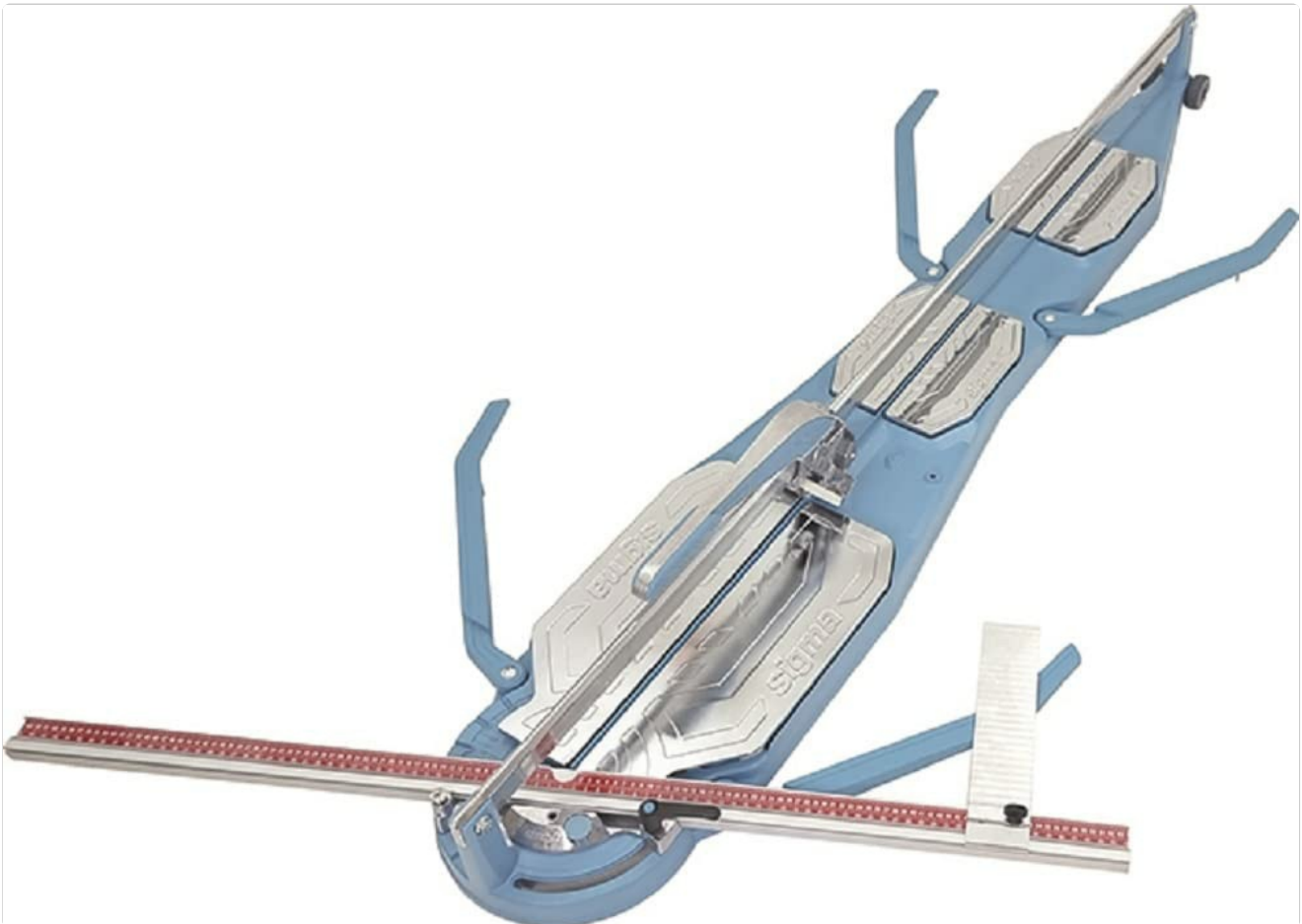


Image: The Sigma Art. 4FN Tile Cutter, showcasing its robust aluminum frame, scoring unit, and measuring bar. This image provides a general view of the product's design and key features.

SETUP

The Sigma Art. 4FN Tile Cutter typically requires minimal assembly. Follow these steps to prepare your tool for use:

1. **Unpacking:** Carefully remove all components from the packaging. Check for any shipping damage.
2. **Placement:** Place the tile cutter on a sturdy, flat, and stable workbench or surface. Ensure it does not wobble.
3. **Inspect Components:** Verify that all included components, especially the scoring wheel and measuring bar, are present and undamaged. The scoring wheel (16 mm diameter) is included.
4. **Adjust Measuring Bar:** If not already attached, secure the adjustable measuring bar. Ensure it can rotate freely and lock into desired positions for accurate measurements.
5. **Check Scoring Unit:** Ensure the scoring unit moves smoothly along its track and the scoring wheel rotates freely.

OPERATING INSTRUCTIONS

Follow these steps for effective and safe tile cutting:

1. Preparing the Tile

- 1. Measure and Mark:** Accurately measure the tile and mark the desired cut line with a pencil or marker.
- 2. Position the Tile:** Place the tile on the cutter's bed, aligning the marked cut line with the scoring line indicator on the machine. Use the adjustable measuring bar to ensure precise alignment.
- 3. Adjust Cutting Thickness:** Use the cutting thickness adjustment mechanism to set the appropriate depth for your tile (0-19 mm). This ensures optimal scoring pressure.

2. Scoring the Tile

- 1. Position Scoring Unit:** Bring the scoring unit to the edge of the tile furthest from you.
- 2. Apply Pressure:** Firmly grasp the NEX handle. Apply consistent, moderate downward pressure.
- 3. Score the Tile:** Push the scoring unit smoothly and steadily across the tile in a single, continuous motion towards you. A distinct scoring sound should be heard. Avoid multiple passes, as this can lead to a rougher edge.

3. Breaking the Tile

- 1. Position Breaking Foot:** Once the tile is scored, position the rotating breaking foot directly over the scored line, typically near the edge of the tile closest to you.
- 2. Apply Breaking Pressure:** Apply quick, firm, and even downward pressure on the NEX handle. The tile should snap cleanly along the scored line.
- 3. Remove Cut Pieces:** Carefully remove the two tile pieces. Be mindful of sharp edges.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tile cutter.

- **Cleaning:** After each use, clean the tile cutter to remove tile dust and debris. Use a brush or compressed air. Wipe down surfaces with a damp cloth, then dry thoroughly.
- **Lubrication:** Periodically apply a light lubricant to the scoring unit's guide rails to ensure smooth movement.
- **Scoring Wheel Inspection:** Regularly inspect the 16 mm scoring wheel for wear or damage. A dull or chipped wheel will result in poor cuts. Replace the wheel as needed. Replacement wheels are available, including TIN-coated versions for enhanced durability.
- **Storage:** Store the tile cutter in a clean, dry environment to prevent rust and corrosion.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Uneven or chipped cuts	Dull or damaged scoring wheel; inconsistent pressure; tile not properly aligned.	Replace scoring wheel; apply consistent pressure; ensure tile is correctly aligned.

Problem	Possible Cause	Solution
Scoring unit sticks or moves roughly	Accumulation of dust/debris; lack of lubrication; damaged guide rails.	Clean guide rails thoroughly; apply light lubricant; inspect for damage.
Tile does not break cleanly	Insufficient scoring depth; incorrect breaking foot position; tile type.	Adjust cutting thickness for deeper score; ensure breaking foot is centered on score line; some tiles may require more force or a different technique.

SPECIFICATIONS

Technical details for the Sigma Art. 4FN Tile Cutter:

- **Manufacturer:** Sigma
- **Item Code:** 4FN
- **Model Number:** 4FN
- **Product Dimensions:** 195.58 x 48.26 x 30.48 cm
- **Item Weight:** 26 Kilograms
- **Power Type:** Hand-powered
- **Number of Items:** 1
- **Included Components:** Scoring Wheel (16 mm diameter)
- **Batteries Required:** No
- **Cutting Thickness Adjustment:** 0-19 mm
- **Adjustable Measuring Bar:** Up to 155x155 cm

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your retailer. For technical support or replacement parts, please contact Sigma customer service through their official website or your authorized dealer.