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## Silky 143-18

# Silky Professional F180 180mm Folding Saw (Model 143-18) Instruction Manual

Your guide to safe and effective use of your Silky F180 Folding Saw.

## 1. INTRODUCTION

The Silky Professional F180 180mm Folding Saw is a high-performance hand tool designed for various cutting tasks, including pruning, trimming, and general outdoor use. Its compact, foldable design and advanced blade technology ensure efficient and precise cutting.



Image 1.1: The Silky F180 Folding Saw in its open, ready-to-use position, showcasing its ergonomic handle and sharp blade.

## 2. SAFETY GUIDELINES

Always prioritize safety when using any cutting tool. Failure to follow these guidelines may result in injury.

- **Wear Protective Gear:** Always wear appropriate safety glasses, gloves, and sturdy footwear.
- **Inspect Before Use:** Before each use, check the saw blade and handle for any damage or loose components. Do not use a damaged saw.
- **Maintain a Secure Grip:** Ensure a firm, two-handed grip on the handle whenever possible.
- **Clear Work Area:** Keep your work area clear of obstructions and ensure stable footing.
- **Keep Others Away:** Maintain a safe distance from bystanders, especially children and pets.
- **Proper Storage:** When not in use, fold the blade securely and store the saw in a safe, dry place out of reach of children.
- **Avoid Overhead Cutting:** Do not cut branches directly overhead, as falling debris can cause injury.

## 3. PRODUCT FEATURES

The Silky F180 Folding Saw incorporates several design elements for optimal performance and user comfort:

- **Portable Folding Design:** The blade folds into the handle for safe and compact storage, making it easy to carry in a pocket, glove compartment, or toolbox.
- **Ergonomic Handle:** The fiberglass polypropylene handle with a comfortable rubber grip provides excellent control and reduces fatigue during extended use.
- **Hard Chrome Plated Blade:** The SK4 high-carbon steel blade is hard chrome plated, offering exceptional durability, rust resistance, and protection against resin buildup.
- **Taper-Ground, Non-Set Teeth:** The blade features taper-ground, non-set teeth that reduce resistance, resulting in smoother, easier, and faster cutting performance.
- **Impulse-Hardened Teeth:** The teeth are impulse-hardened, making them significantly harder than a regular file and extending their sharpness up to three times longer than non-hardened teeth.
- **Blade Lock:** The blade easily and securely locks into two different angle positions for versatile cutting and enhanced safety.



Image 3.1: Detailed view of the Silky F180, highlighting its 180mm blade length, comfortable rubber grip, lightweight handle, blade lock, hard chrome plating, and taper-ground non-set tooth design.

#### 4. SETUP AND OPERATION

## 4.1. Unfolding the Saw

1. Hold the handle firmly with one hand.
2. Locate the blade lock mechanism (typically a button or lever near the pivot point).
3. Press or slide the lock to release the blade.
4. Carefully unfold the blade until it clicks into one of the two available locked positions. Ensure the blade is fully locked before use.



Image 4.1: The Silky F180 Folding Saw shown partially unfolded, illustrating the mechanism for deploying the blade from its stored position.

## 4.2. Cutting Instructions

Silky saws are designed to cut on the pull stroke, which provides maximum efficiency and control.

1. **Positioning:** Place the saw blade on the material to be cut. For branches, position the saw slightly away from the main trunk to avoid damaging the tree collar.
2. **Starting the Cut:** Begin with a few light pull strokes to create a groove. This helps prevent the blade from slipping.
3. **Pull Stroke:** Apply pressure only on the pull stroke. Allow the saw's weight and the sharpness of the teeth to do the work.
4. **Push Stroke:** On the push stroke, relieve pressure. Do not force the saw, as this can bend or damage the blade.
5. **Maintain Angle:** Keep a consistent angle throughout the cut.
6. **Finishing the Cut:** For larger branches, make an undercut first to prevent tearing, then complete the cut from the top.



Image 4.2: A user demonstrating the proper technique for cutting a log with the Silky F180 Folding Saw, emphasizing the pull stroke.

#### 4.3. Folding the Saw for Storage

1. Ensure the blade is clean and free of debris.
2. Press or slide the blade lock mechanism to release the blade.
3. Carefully fold the blade back into the handle until it is fully enclosed and the lock engages.
4. Confirm the blade is securely locked in the closed position before storing.



Image 4.3: The Silky F180 Folding Saw in its compact, folded position, ready for safe storage or transport.

### 5. MAINTENANCE AND CARE

Proper maintenance extends the life and performance of your Silky F180 Folding Saw.

- **Cleaning the Blade:** After each use, clean the blade to remove sap, resin, and debris. Use a soft cloth and a mild solvent (such as a citrus-based cleaner or WD-40) if necessary.
- **Drying:** Ensure the blade is completely dry before folding and storing to prevent rust.
- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the blade and pivot point to ensure smooth operation and prevent corrosion.
- **Blade Sharpening:** Due to the impulse-hardened teeth, conventional sharpening is not

recommended. If the blade becomes dull or damaged, replacement blades are available.

- **Storage:** Store the folded saw in a dry, cool place, away from direct sunlight and moisture.

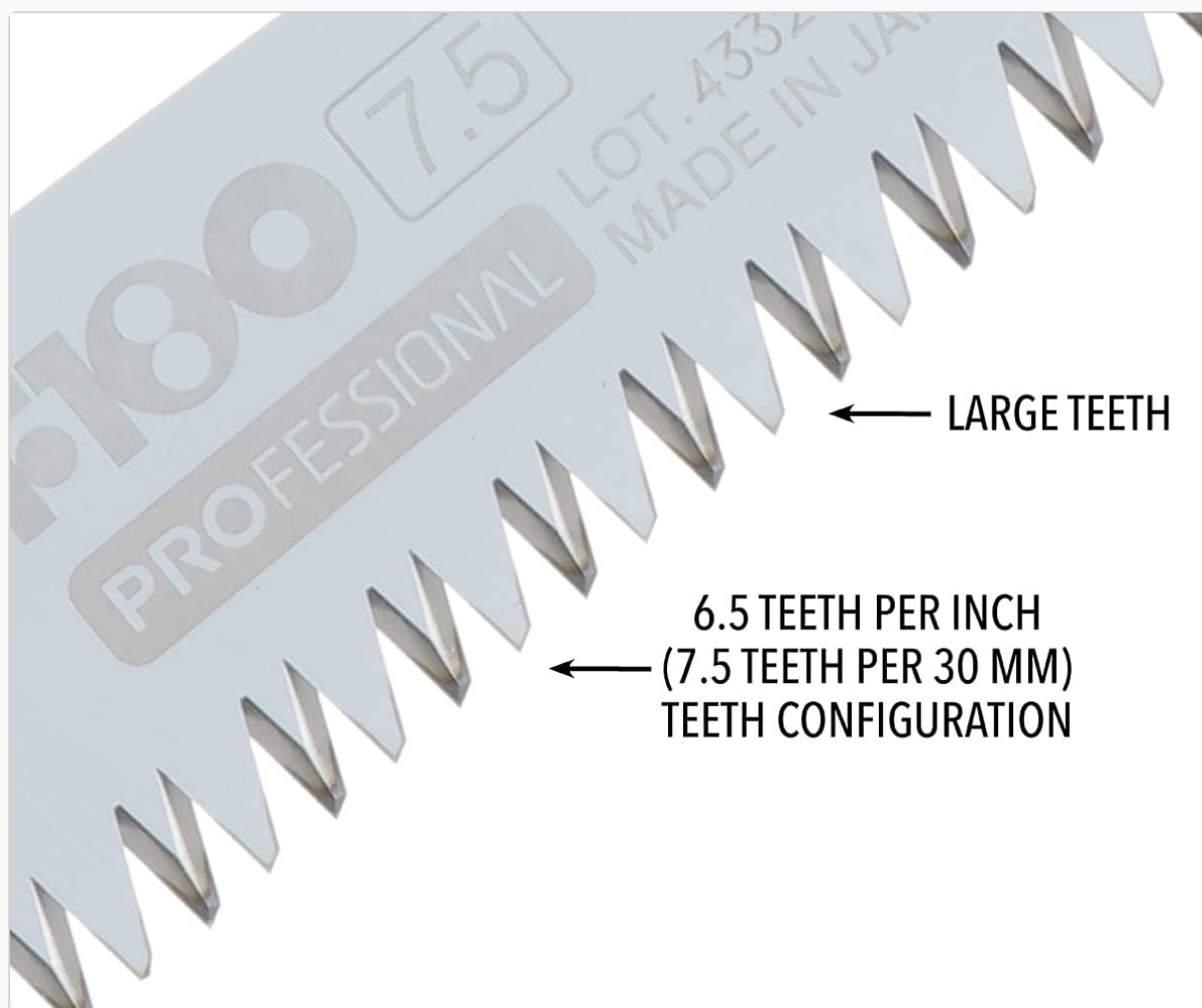


Image 5.1: A close-up view of the Silky F180's large teeth, illustrating their unique configuration and sharpness, which are maintained through proper care.

## 6. TROUBLESHOOTING

- **Saw is not cutting efficiently:**
  - Ensure you are applying pressure only on the pull stroke.
  - Check if the blade is clean; sap and resin buildup can hinder cutting performance.
  - If the blade is dull or damaged, consider replacing it with a genuine Silky replacement blade.
- **Blade feels stiff when unfolding/folding:**
  - Clean the pivot area and apply a small amount of lubricant.
  - Ensure no debris is obstructing the folding mechanism.
- **Blade does not lock securely:**
  - Inspect the locking mechanism for any damage or obstruction.
  - If the lock is faulty, discontinue use and contact customer support.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Silky
Model Number	143-18
Blade Length	180 mm (7 inches)
Blade Material	SK4 High-Carbon Steel, Hard Chrome Plated
Blade Thickness	1.4 mm
Teeth Configuration	Large Teeth, 6.5 teeth per inch (7.5 teeth per 30mm), Taper-Ground, Non-Set, Impulse-Hardened
Handle Material	Fiberglass Polypropylene with Rubber Grip
Product Dimensions	1"W x 7.5"H (folded)
Item Weight	6.4 ounces
Power Source	Hand Powered
Surface Recommendation	Wood
Special Features	Foldable, Lightweight, Flush Cut, Blade Lock

## 8. WARRANTY INFORMATION

The Silky Professional F180 180mm Folding Saw comes with a manufacturer's limited lifetime warranty against defects in materials and workmanship. For specific details regarding warranty claims or service, please refer to the official Silky website or contact their customer support.

## 9. CONTACT AND SUPPORT

For further assistance, product inquiries, or to purchase replacement parts, please visit the official Silky website or contact their customer service department. Always use genuine Silky replacement parts to ensure compatibility and maintain product performance.

**Official Website:** [www.silkyusa.com](http://www.silkyusa.com) (Example link, please verify current official website)