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## Ilco SC1-NP

# Ilco SC-1 Key Blank User Manual

Model: SC1-NP | Type: 1145

## INTRODUCTION

This manual provides essential information for the proper use and handling of the Ilco SC-1 Key Blank. Designed for professional locksmiths and hardware specialists, this brass key blank is compatible with Schlage® lock systems requiring a Type 1145, 5-pin keyway.

The Ilco SC-1 key blank is manufactured from solid brass, ensuring durability and ease of cutting. It is typically supplied in packs of 50 units.

## PRODUCT OVERVIEW



Figure 1: Front view of the Ilco SC-1 Key Blank. This image displays the head of the key blank, marked with "SC1" and "USA", and the uncut blade designed for 5-pin Schlage® lock systems. The key blank is made of solid brass.

The Ilco SC-1 key blank is a precision-engineered component for creating duplicate keys. Its design ensures compatibility and reliable performance when cut to the correct specifications for Schlage® locks.

## SETUP AND PREPARATION

The Ilco SC-1 key blank requires no setup prior to use. It is a raw material intended for key duplication or cutting by a qualified professional.

- Inspection:** Before cutting, visually inspect each key blank for any manufacturing defects or deformities. Discard any blanks that appear damaged.
- Compatibility Check:** Ensure the key blank's profile (Type 1145, SC-1) matches the original key or the lock cylinder's keyway specifications.
- Tooling:** Use a calibrated key cutting machine with appropriate cutting wheels for brass materials.

## OPERATING INSTRUCTIONS (KEY CUTTING)

The process of cutting a key blank into a functional key requires specialized equipment and expertise. This section outlines the general steps involved.

- Secure the Original Key:** Place the original key securely in the vise of the key cutting machine, ensuring it is properly aligned.
- Secure the Key Blank:** Place the Ilco SC-1 key blank in the corresponding vise, ensuring it is aligned precisely with the original key.
- Cutting Process:** Carefully operate the key cutting machine according to its manufacturer's instructions. Guide the cutting wheel along the profile of the original key, transferring the bitting to the key blank.
- Deburring:** After cutting, remove any burrs or sharp edges from the newly cut key using a wire brush or deburring tool. This ensures smooth insertion and operation within the lock cylinder.
- Testing:** Test the newly cut key in the intended lock cylinder to verify proper function and smooth operation.

***Note:** Key cutting should only be performed by trained professionals to ensure accuracy and prevent damage to the key blank or the lock.*

## MAINTENANCE

The Ilco SC-1 key blanks themselves require minimal maintenance. Proper storage is key to preserving their quality.

- Storage:** Store key blanks in a dry, cool environment, away from direct sunlight and corrosive chemicals. Keep them in their original packaging or in designated key blank organizers to prevent scratching or damage.
- Handling:** Handle key blanks by the head whenever possible to avoid transferring oils or dirt to the blade, which could affect cutting accuracy or future lock operation.

## TROUBLESHOOTING (KEY CUTTING ISSUES)

Issues encountered during key cutting are typically related to the cutting machine or the original key. This section provides general troubleshooting tips.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Key does not insert smoothly into lock.	Burrs on the key, incorrect cutting depth, or misaligned key blank during cutting.	Deburr the key thoroughly. Recalibrate the key cutting machine. Ensure proper alignment of the key blank before cutting.
Key does not turn in lock.	Incorrect bitting (cuts are wrong), worn original key, or key blank not fully seated during cutting.	Verify the bitting against the original key. Use a new original key if worn. Ensure the key blank is firmly secured in the machine.
Excessive wear on cutting wheel.	Dull cutting wheel, incorrect cutting speed, or cutting harder materials.	Replace or sharpen the cutting wheel. Adjust cutting speed. Ensure only brass key blanks are being cut.

## SPECIFICATIONS

- Brand:** Ilco
- Model Number:** SC1-NP
- Key Type:** SC-1
- Material:** Solid Brass
- Keyway Type:** Commercial/Residential (Schlage®)
- Number of Pins:** 5
- Dimensions (L x W x H):** Approximately 5.1 x 2.6 x 1.5 inches (packaging dimensions)
- Item Weight:** Approximately 14.4 ounces (for a package of 50)
- Package Quantity:** Typically 50 units
- Country of Origin:** United States

## WARRANTY INFORMATION

Ilco key blanks are manufactured to high standards. For specific warranty details regarding manufacturing defects, please refer to the official Ilco product warranty documentation or contact Ilco customer support directly. Warranty typically covers defects in material and workmanship under normal use.

## SUPPORT AND CONTACT

For technical assistance, product inquiries, or support related to Ilco key blanks, please contact your authorized Ilco distributor or visit the official Ilco website.

**Manufacturer:** KABA ILCO

For further assistance, please consult a certified locksmith professional.