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- › [Pro'sKit](#) /
- › [Pro'sKit 500-001 Coax Crimping Kit Instruction Manual](#)

Pro'sKit 500-001

Pro'sKit 500-001 Coax Crimping Kit Instruction Manual

Model: 500-001

INTRODUCTION

This instruction manual provides comprehensive guidance for the safe and effective use of the Pro'sKit 500-001 Coax Crimping Kit. This kit is designed for professionals and enthusiasts requiring reliable coaxial cable termination. Please read this manual thoroughly before operating the tools to ensure proper function and safety.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when using crimping tools.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep hands and fingers clear of moving parts during operation.
- Do not use tools for purposes other than their intended design.
- Store tools in their case when not in use to prevent damage and injury.
- Keep out of reach of children.

PACKAGE CONTENTS

The Pro'sKit 500-001 Coax Crimping Kit includes the following components:

- Crimping Frame (main crimping tool)
- 5 Interchangeable Crimping Dies
- Rotary Coaxial Cable Stripper
- Small Screwdriver (for die changes)
- Carrying Case



Figure 1: Pro'sKit 500-001 Coax Crimping Kit. This image displays the complete Pro'sKit 500-001 Coax Crimping Kit. It includes a main crimping tool with green and black handles, a rotary cable stripper, a small screwdriver, and five interchangeable crimping dies, all neatly organized within a grey carrying case.

COMPONENTS OVERVIEW

The kit consists of several key tools designed for coaxial cable preparation and termination:

- **Crimping Frame:** The primary tool for applying pressure to crimp connectors onto cables. It features an ergonomic grip for comfortable use.
- **Interchangeable Dies:** Five sets of dies are included, each designed for specific connector and cable sizes. These are crucial for achieving a secure and proper crimp.
- **Rotary Stripper:** Used for precisely stripping the outer jacket and dielectric from coaxial cables, preparing them for connector attachment.
- **Screwdriver:** A small tool provided for the installation and removal of the crimping dies from the crimping frame.

SETUP

1. Installing Crimping Dies

1. Identify the correct die set for your specific coaxial connector and cable type. Refer to the die specifications section for guidance.
2. Open the crimping frame handles fully.
3. Using the provided screwdriver, loosen the screws on the crimping frame that secure the existing dies (if any).
4. Carefully remove any installed dies.
5. Insert the desired die set into the designated slots on the crimping frame, ensuring they are properly seated.
6. Tighten the screws firmly with the screwdriver to secure the dies in place. Do not overtighten.

OPERATING INSTRUCTIONS

1. Coaxial Cable Stripping

1. Select the appropriate stripping blade depth on the rotary stripper for your cable type.
2. Insert the end of the coaxial cable into the stripper.
3. Rotate the stripper around the cable several times until the outer jacket and dielectric are cleanly cut and can be removed, exposing the center conductor and braid.
4. Ensure the stripped length matches the requirements of your coaxial connector.

2. Crimping Process

1. After stripping the cable, prepare the connector according to its specific instructions and slide it onto the cable.
2. Place the connector and cable assembly into the appropriate cavity of the installed crimping die. Ensure the connector is fully seated within the die.
3. Slowly and firmly squeeze the handles of the crimping frame together until the crimping cycle is complete and the handles release. This ensures a full and proper crimp.
4. Inspect the crimped connection for proper formation and security. The crimp should be uniform and hold the connector firmly to the cable.

MAINTENANCE

- **Cleaning:** After each use, wipe down the tools with a clean, dry cloth to remove any debris or residue.
- **Lubrication:** Periodically apply a light machine oil to the pivot points of the crimping frame to ensure smooth operation.
- **Storage:** Store all components in the provided carrying case in a dry, cool environment to prevent corrosion and damage.
- **Inspection:** Regularly inspect dies for wear or damage. Worn dies can lead to improper crimps. Replace damaged dies as necessary.

TROUBLESHOOTING

- **Poor Crimp Quality:**

- Ensure the correct die set is used for the specific connector and cable.
- Verify the cable is properly stripped and the connector is fully seated in the die.
- Check dies for wear or damage.

- **Handles Not Releasing:**

- Ensure the crimping cycle is fully completed. Apply firm, steady pressure until the mechanism releases.
- Check for obstructions or debris in the crimping mechanism.

- **Cable Slipping During Stripping:**

- Adjust the blade depth on the rotary stripper.
- Ensure the cable is held firmly in place.

SPECIFICATIONS

Model Number	500-001
Brand	Pro'sKit
Included Dies (Hex Sizes)	.255", .213", .187", .068" .319", .256", .213", .068" .043" (SQ), .100", .213", .068", .137", .255" .042" (SQ), .078", .151", .068", .128", .178" .100", .128", .429"
Handle Material	Green, Grey (Ergonomic Grip)
Package Dimensions	12.01 x 9.21 x 2.36 inches
Item Weight	3.27 Pounds
UPC	617293000626

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Pro'sKit 500-001 Coax Crimping Kit, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase.