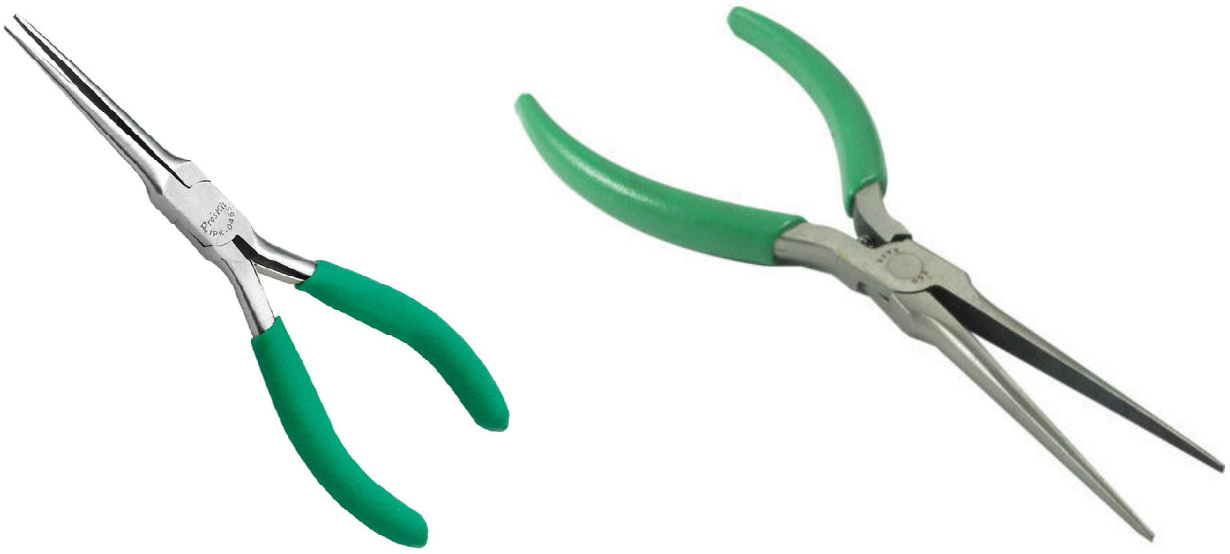
# 1PK-046S Needle Nose Plier (150 mm)

**Hold / Bend [/ Cut] | Electronics and precision work | 150 mm**



## 1. GENERAL DESCRIPTION

The 1PK-046S is a 150 mm needle nose plier designed for electronic and precision work. Its slim jaws hold, position and bend small wires and components in tight spaces. [It also cuts wire cleanly — confirm.] Lightweight and easy to operate for general electronics assembly and repair.

## 2. KEY FEATURES

- Needle nose jaws for holding and bending fine work
- Made from S45C carbon steel, hardened to HRC 45 ± 3
- Electroplated finish
- Lightweight design (88 g) for easy operation
- Compact 150 mm body
- [Clean and smooth wire cutting — confirm]
- [Cushioned handles — confirm]

## 3. APPLICATIONS

- Holding and positioning small parts and wires in electronics work
- Bending and shaping component leads and fine wire
- Working in tight or confined spaces
- General electronics assembly, repair and maintenance

## 4. SUITABLE WORK & LIMITS

- Suitable for fine wire, component leads and small parts
- Overall length 150 mm, straight needle nose jaws
- Not for cutting hardened steel or heavy-gauge wire
- Not for loosening or tightening nuts and bolts

## 5. TOOL SPECIFICATIONS

| | |
|---|---|
| **Model** | 1PK-046S |

| | |
|---|---|
| **Function** | Holding and bending [cutting — confirm] |
| **Application** | Electronic and precision work |
| **Jaw Type** | Needle nose, straight |
| **Action** | Manual squeeze |
| **Cutter** | [Side cutter — confirm] |
| **Body / Handle** | S45C carbon steel, electroplated finish; [handle material — confirm] |
| **Hardness** | HRC 45 ± 3 |
| **Length** | 150 mm |
| **Weight** | 88 g |
| **Supplied With** | [Tool only]; blister card packing |

## 6. USAGE & MAINTENANCE

- Grip the part or wire near the jaw tips for fine work and nearer the pivot for more force.
- Do not apply excessive force or use the jaws as a hammer or lever.
- Disconnect power before working on electrical circuits; the tool is not rated as insulated unless marked.
- Keep the tool clean and dry, and oil the pivot occasionally.
- Store in a dry place to protect the electroplated finish.