Pico 7146

Pico 7146QT Nylon Cable Clamps User Manual

Model: **7146** | Brand: **Pico**

PRODUCT OVERVIEW

The Pico 7146QT Nylon Cable Clamps are designed for efficiently channeling and securing cables and wires. These durable clamps provide a reliable solution for organizing electrical wiring in various applications. Each package contains 3 clamps, offering convenience for multiple installations.
Key Features:

- **Inside Diameter:** 5/8" (when closed)
- **Clamp Width:** 1/2"
- **Screw Hole Diameter:** 0.203"
- **Color:** Black
- **Quantity:** 3 clamps per package

These clamps are engineered to withstand a wide range of temperatures, with a maximum operating temperature from -60°F to 275°F, ensuring performance in diverse environments.

Image: A single black nylon cable clamp, showing its circular shape when closed and the screw hole for mounting. This clamp is designed for securing cables with a 5/8 inch diameter.

SETUP AND INSTALLATION

Before installation, ensure the cable or wire bundle to be secured has an outside diameter of approximately 5/8 inches or less to fit properly within the clamp's closed diameter.

1. **Identify Mounting Location:** Choose a suitable surface for mounting the cable clamp. The surface should be clean, dry, and capable of securely holding a screw.

2. **Position the Clamp:** Place the cable clamp in the desired position. The clamp has a pre-drilled screw hole with a 0.203" diameter.

3. **Mark and Drill (if necessary):** Use the clamp's screw hole as a guide to mark the drilling point on the mounting surface. If the surface requires it, pre-drill a pilot hole appropriate for your chosen mounting screw.

4. **Insert Cables:** Open the clamp slightly and insert the cable(s) or wire bundle into the clamp's interior. Ensure the cables are neatly routed and not under excessive tension.

5. **Secure the Clamp:** Insert a suitable screw (not included) through the clamp's screw hole and fasten it securely to the mounting surface. Do not overtighten, as this may damage the clamp or the mounting surface.

6. **Verify Security:** Gently tug on the secured cables to ensure the clamp is firmly attached and the cables are held in place without excessive movement.

Note: Always use appropriate safety measures when working with tools and electrical components.

OPERATING GUIDELINES

These cable clamps are passive components designed to provide a fixed routing and securing point for cables and wires. Once installed, they require no active operation.
Best Practices:

- Ensure the cables are not pinched or excessively compressed by the clamp.
- Distribute cable weight evenly across multiple clamps if securing long or heavy runs.
- Avoid installing clamps in areas subject to extreme abrasion or chemical exposure that could degrade nylon.

MAINTENANCE

Pico nylon cable clamps are designed for long-term durability and require minimal maintenance.

- **Periodic Inspection:** Periodically inspect installed clamps for any signs of wear, cracking, or loosening, especially in high-vibration environments or areas with significant temperature fluctuations.
- **Cleaning:** If necessary, clean the clamps with a damp cloth. Avoid harsh chemical cleaners that may degrade the nylon material.
- **Replacement:** If a clamp shows signs of damage or degradation, replace it immediately to maintain the integrity of your cable management system.

TROUBLESHOOTING

Most issues related to cable clamps are due to improper installation or selection.

Problem	Possible Cause	Solution
Cables are loose within the clamp.	Clamp ID is too large for the cable bundle.	Use a clamp with a smaller inside diameter. Ensure the cable bundle fills the clamp adequately.

Problem	Possible Cause	Solution
Clamp breaks during installation.	Overtightening of the mounting screw.	Do not overtighten. Fasten until snug, then a quarter turn more.
Clamp becomes brittle or cracks over time.	Exposure to extreme temperatures outside specified range or harsh chemicals.	Ensure operating environment is within -60°F to 275°F. Avoid chemical exposure. Replace damaged clamps.
Clamp detaches from mounting surface.	Improper screw size or type; insufficient mounting surface.	Use a screw appropriate for the 0.203" hole and the mounting material. Ensure the surface is strong enough.

SPECIFICATIONS

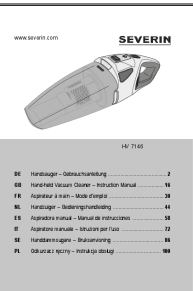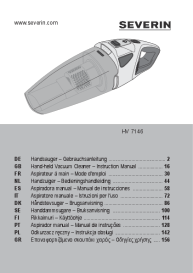| Attribute	Detail
Part Number	7146QT
Model Number	7146
Brand	Pico
Manufacturer	Pacific Industrial Components
Material	Nylon
Inside Diameter (Closed)	5/8 inches
Clamp Width	1/2 inches
Screw Hole Diameter	0.203 inches
Color	Black
Item Package Quantity	3
Item Weight	0.32 ounces (9.07 grams)
Maximum Operating Temperature	275°F
Minimum Operating Temperature	-60°F
ASIN	B004C07XW2
UPC	035704971462
Date First Available	June 3, 2007

WARRANTY AND SUPPORT
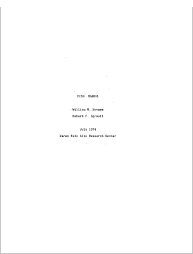
For specific warranty information regarding the Pico 7146QT Nylon Cable Clamps, please refer to the packaging or contact Pacific Industrial Components directly. General product support and inquiries can also be directed to the manufacturer.
Manufacturer: Pacific Industrial Components

For the most up-to-date contact information, please visit the official Pico or Pacific Industrial Components website or consult your purchase documentation.

Related Documents - 7146

	[Pico Graphics Package Manual](#) Comprehensive manual for the Pico graphics package, detailing its functions for interactive graphical programming, output, and input handling, developed at Xerox Palo Alto Research Center in July 1974. Covers basic and advanced graphics primitives, transformations, input methods, hard copy generation, and system usage.
	[OMRON M2+ Automatic Upper Arm Blood Pressure Monitor (HEM-7146-E) - Instruction Manual](#) Comprehensive instruction manual for the OMRON M2+ Automatic Upper Arm Blood Pressure Monitor (HEM-7146-E), covering safety, usage, maintenance, troubleshooting, and specifications. Includes guidance on proper measurement techniques and understanding readings.
	[R. STAHL Explosion-Protected Disconnect Switch Installation, Operation, and Maintenance](#) This document provides comprehensive installation, operation, and maintenance instructions for R. STAHL Explosion-Protected Disconnect Switches, Series 8146/5 and 7146/5. It covers technical data, hazardous location ratings, dimensions, wiring, and maintenance procedures.
	[SEVERIN HV 7146 Handheld Vacuum Cleaner User Manual and Guide](#) Comprehensive user manual for the SEVERIN HV 7146 handheld vacuum cleaner. Discover technical specifications, safety guidelines, operating instructions, cleaning tips, and troubleshooting for your SEVERIN appliance. Learn about SEVERIN's 120+ years of German quality and innovation.
	[SEVERIN HV 7146 Akku-Handstaubsauger Bedienungsanleitung](#) Umfassende Bedienungsanleitung für den SEVERIN HV 7146 Akku-Handstaubsauger. Enthält technische Daten, Sicherheitshinweise, Montage-, Reinigungs- und Wartungsanleitungen sowie Fehlerbehebung.
	[OMRON M2+ (HEM-7146-E) Automatic Upper Arm Blood Pressure Monitor Instruction Manual](#) This document provides essential information for the safe and effective use of the OMRON M2+ Automatic Upper Arm Blood Pressure Monitor (Model: HEM-7146-E), covering setup, operation, maintenance, and troubleshooting.