uxcell a17020800ux0558

User Manual for uxcell Compression Spring

Brand: uxcell | **Model:** a17020800ux0558

Introduction

This manual provides essential information for the proper use, installation, and maintenance of uxcell 304 Stainless Steel Compression Springs. These springs are designed for a wide range of applications, from home appliances to motor equipment, where a compressive force is required. They function by resisting compression and attempting to return to their original shape, thereby pushing back against a load.

Product Overview

The uxcell Compression Springs are precision-engineered components made from high-quality 304 stainless steel, offering excellent mechanical properties and superior resistance to corrosion and heat compared to other materials. Each package contains 10 springs, ensuring availability for multiple uses or replacements.

- **Material:** Constructed from 304 Stainless steel wire, providing good mechanical properties with enhanced corrosion and heat resistance.
- **Quantity:** Supplied in a pack of 10 pieces.
- **Versatility:** Suitable for a broad spectrum of applications requiring a compressive force.

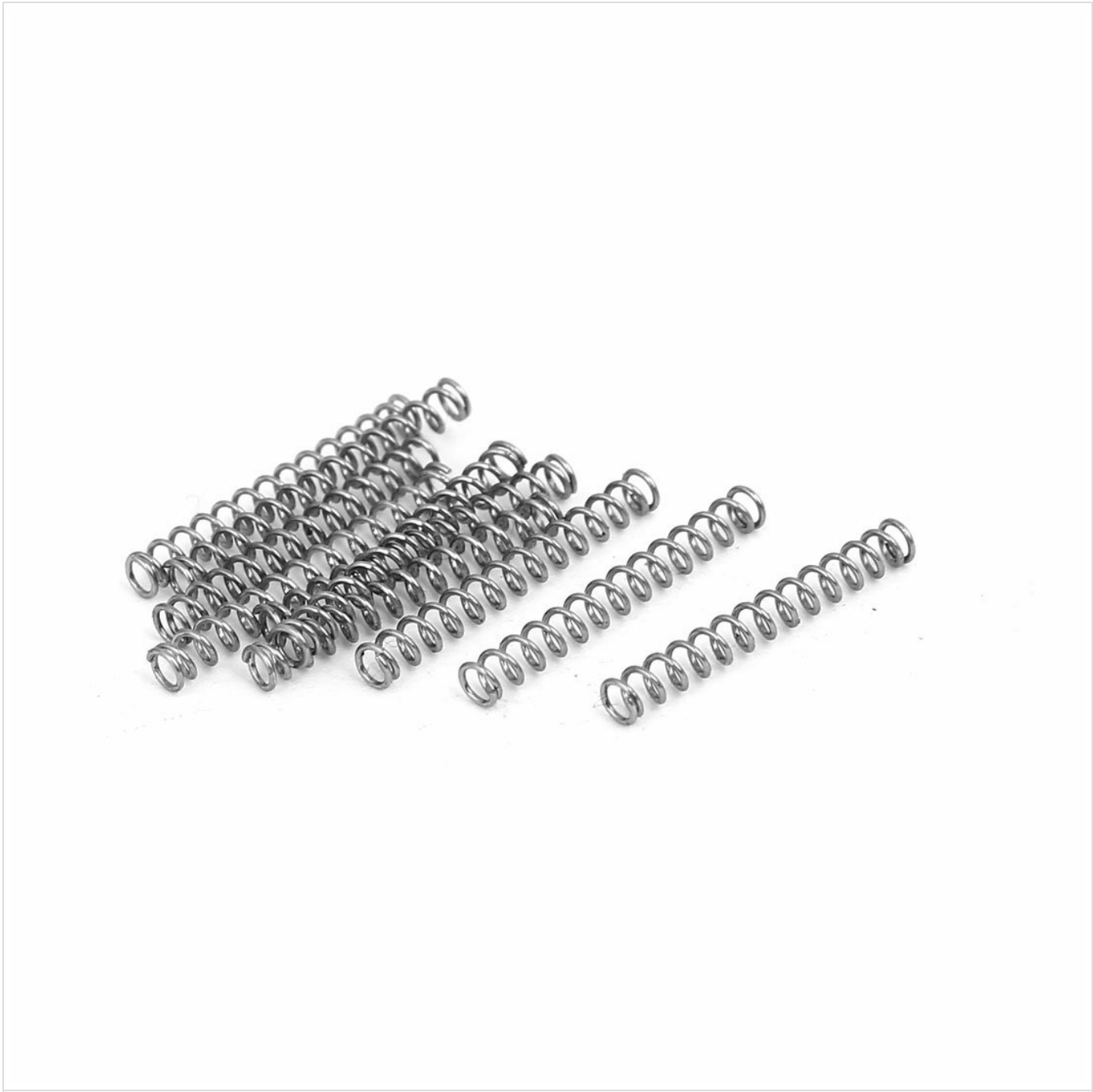


Image: A collection of uxcell 304 stainless steel compression springs, showcasing their uniform design and silver tone.

Specifications

Attribute	Value
Outer Diameter	2mm (0.08")
Wire Diameter	0.3mm (0.01")
Total Length (Free Length)	15mm (0.59")
Material	304 Stainless Steel
Color	Silver Tone
Package Content	10 Pcs x Compression Spring

Attribute	Value
Item Model Number	a17020800ux0558

Installation and Usage

These compression springs are designed for straightforward integration into various mechanisms. They can be directly placed onto rod-like components or inserted into tubular structures, depending on the specific application requirements. Ensure the spring's dimensions (outer diameter, wire diameter, and free length) are compatible with the intended space and the required compression force.



Image: A human hand holding several compression springs of different sizes, illustrating the compact nature of the uxcell springs.

Typical Applications

uxcell compression springs are highly versatile and are utilized across a wide array of industries and household items. Common

applications include:

- **Home Appliances:** Used in various household devices requiring push-back or return mechanisms.
- **Motor Equipment:** Essential components in motors and other mechanical equipment for absorbing shock or providing resistance.
- **Automotive:** Can be found in car components, such as key fobs or light switches, where small, precise springs are needed.
- **Lawn Mowers:** Integrated into parts that require spring-loaded action.
- **General Engineering:** Applicable in numerous custom projects and repairs where a specific compression force is required.

Care and Storage

To ensure the longevity and optimal performance of your uxcell compression springs, follow these care and storage guidelines:

- **Storage:** Store springs in a dry environment to prevent any potential surface corrosion, even though 304 stainless steel offers good resistance. Keep them in their original packaging or a sealed container to protect them from dust and debris.
- **Handling:** Avoid deforming the springs during handling. Excessive stretching or compression beyond their elastic limit can permanently alter their properties.
- **Cleaning:** If necessary, clean springs with a soft, dry cloth. Avoid harsh chemicals that could potentially affect the material's surface.

Troubleshooting

While uxcell compression springs are designed for reliability, certain issues may arise during application. Consider the following common scenarios:

- **Spring Does Not Fit:**
  - Verify the outer diameter (OD) and free length against the space available in your application.
  - Ensure the wire diameter is appropriate for the required internal clearance.
- **Insufficient or Excessive Force:**
  - The spring's force is determined by its material, wire diameter, coil diameter, and number of active coils. If the force is not as expected, a different spring specification may be required.
  - Ensure the spring is not over-compressed beyond its solid height, which can lead to permanent deformation and loss of force.
- **Premature Failure/Deformation:**
  - Check if the spring is being used within its specified load limits.
  - Ensure the operating environment (temperature, corrosive agents) is compatible with 304 stainless steel.
  - Inspect for any physical damage or manufacturing defects upon receipt.

Warranty and Support Information

For specific warranty details or technical support regarding your uxcell compression springs, please refer to the product packaging or contact uxcell customer service directly through their official website or the platform where the product was purchased. Always provide your model number (a17020800ux0558) and purchase details when seeking support.
For more information about uxcell products, visit the uxcell Store on Amazon.

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