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› Swordfish 31930-420pc Stainless Steel Screw Assortment User Manual

## SWORDFISH 31930

# Swordfish 31930-420pc Stainless Steel Screw Assortment User Manual

Model: 31930

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## 1. INTRODUCTION

This manual provides comprehensive instructions for the Swordfish 31930-420pc Stainless Steel Screw Assortment. It covers product details, proper usage, maintenance, and troubleshooting to ensure optimal performance and longevity of the fasteners. Please read this manual thoroughly before using the product.



Figure 1: Swordfish 31930-420pc Stainless Steel Screw Assortment in its clear plastic case, closed.

## 2. PRODUCT OVERVIEW AND COMPONENTS

The Swordfish 31930-420pc Stainless Steel Screw Assortment provides a selection of common Phillips drive machine screws made from durable stainless steel. This assortment is designed for various applications requiring corrosion resistance.



Figure 2: The 420-piece screw assortment with its organizational chart.

## 2.1. Assortment Contents

The assortment includes 420 pieces of stainless steel screws across various sizes and head types, all featuring a Phillips drive. The types included are:

- **Flat Head Phillips Drive Screws:** Available in 3 sizes.
- **Pan Head Phillips Drive Screws:** Available in 3 sizes.
- **Oval Head Phillips Drive Screws:** Available in 2 sizes.

Refer to the label inside the case lid for specific quantities and dimensions of each screw type.



Figure 3: Examples of various screw types and sizes included in the assortment.

### 3. SETUP

The Swordfish 31930-420pc Stainless Steel Screw Assortment comes pre-sorted in a clear, re-sealable plastic case. No assembly is required for the assortment itself.

#### 3.1. Initial Inspection

1. Carefully open the plastic case.
2. Verify that all compartments are intact and the screws are properly separated according to their type and size.
3. Familiarize yourself with the screw identification chart located on the inside of the case lid. This chart indicates the head type, size, and quantity of screws in each compartment.

#### 3.2. Storage

Store the case in a dry environment to prevent any potential moisture exposure, although the stainless steel material offers significant corrosion resistance.

### 4. USAGE

These stainless steel machine screws are suitable for a wide range of applications where a secure fastening and resistance to corrosion are required. They are designed for use with pre-tapped holes or with nuts.

#### 4.1. Selecting the Correct Screw

- **Size:** Match the screw's diameter and length to the requirements of your application. Ensure the screw is long enough to provide adequate thread engagement without protruding excessively.
- **Head Type:**

- *Flat Head*: Designed to sit flush with the surface when countersunk.
  - *Pan Head*: Features a slightly rounded, low-profile head that sits above the surface.
  - *Oval Head*: A decorative head type, similar to flat head but with a rounded top, often used in applications where appearance is important.
- **Material**: Stainless steel offers excellent resistance to rust and corrosion, making these screws ideal for outdoor, marine, or humid environments.

## 4.2. Installation

1. **Prepare the Hole**: Ensure the hole is correctly sized and, if necessary, tapped for machine screws. For flat or oval head screws, countersink the hole if a flush or semi-flush finish is desired.
2. **Use the Correct Driver**: All screws in this assortment feature a Phillips drive. Use a Phillips head screwdriver or bit that correctly fits the screw head to prevent stripping.
3. **Tighten Securely**: Apply appropriate torque to secure the screw. Avoid over-tightening, which can strip threads or damage the screw head.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and usability of your screw assortment.

- **Storage**: Always return unused screws to their designated compartments in the plastic case. Close the lid securely to prevent mixing and loss. Store the case in a dry, temperate environment.
- **Cleaning**: If screws become dirty, wipe them with a clean, dry cloth. Avoid abrasive cleaners or harsh chemicals that could potentially damage the stainless steel finish.
- **Inspection**: Periodically inspect the screws for any signs of damage or wear before use.

## 6. TROUBLESHOOTING

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This section addresses common issues that may arise during the use of the screw assortment.

### 6.1. Screw Head Stripping

- **Issue**: The Phillips head of the screw becomes rounded or damaged during installation, preventing further tightening or removal.
- **Solution**: Ensure you are using the correct size Phillips screwdriver or bit that fits snugly into the screw head. Apply firm, consistent pressure while turning. Avoid using worn-out screwdriver bits.

### 6.2. Screws Not Holding Securely

- **Issue**: The screw does not tighten properly or pulls out easily.
- **Solution**: Verify that the hole is correctly sized and tapped for the machine screw. If fastening into a material without pre-tapped threads, ensure a compatible nut or threaded insert is used. The screw length should be appropriate for the material thickness.

### 6.3. Rust or Corrosion Appears

- **Issue**: Despite being stainless steel, signs of rust or corrosion appear.
- **Solution**: While stainless steel is highly corrosion-resistant, it is not entirely rust-proof, especially in highly aggressive environments (e.g., prolonged exposure to saltwater without proper rinsing, or contact with certain chemicals). Ensure the screws are suitable for the specific environment. Clean any surface rust immediately with a non-abrasive method to prevent further spread. Avoid using these screws in direct contact with dissimilar metals that

can cause galvanic corrosion.

## 7. SPECIFICATIONS

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Detailed technical specifications for the Swordfish 31930-420pc Stainless Steel Screw Assortment:

| Feature                   | Detail                               |
|---------------------------|--------------------------------------|
| Brand                     | SWORDFISH                            |
| Model Number              | 31930                                |
| Material                  | Stainless Steel                      |
| Head Style                | Flat, Pan & Oval                     |
| Drive Type                | Phillips                             |
| Fastener Type             | Machine Screw                        |
| Assortment Quantity       | 420 pieces                           |
| Thread Size (Example)     | 1/4 inch (various sizes included)    |
| Item Weight               | 16 Ounces (1 pound)                  |
| Product Dimensions (Case) | 8.25 x 4.25 x 1.25 inches            |
| Exterior Finish           | Stainless Steel                      |
| Special Features          | Assortment, Re-sealable plastic case |

## 8. WARRANTY AND SUPPORT

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For specific warranty information regarding the Swordfish 31930-420pc Stainless Steel Screw Assortment, please refer to the product packaging or contact Swordfish Tools Inc. directly.

For customer support, technical assistance, or to inquire about other Swordfish products, please visit the official Swordfish store on Amazon: [SWORDFISH Store](#).

