

# CARBIDE EXPANDER MANDRELS - SINCLAIR INTERNATIONAL

## CARBIDE EXPANDER MANDREL, 17 CALIBER (.171")

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### **Yields Closer Tolerances and More Lubricity**

Sinclair Carbide Neck Expander Mandrels are ground from solid carbide stock, which yields closer tolerances and more lubricity. Carbide is also better at resisting galling which can leave behind material and scratch the inside of your necks. The shape, finish, and size are the result of years of use and experimentation by many hand loaders. Sinclair expander mandrels are made .001" smaller than bullet diameter. Using an expander mandrel prior to neck turning sizes the case to fit the neck turning mandrels perfectly, or use prior to bullet seating to get more concentric necks and perfect neck tension. All Sinclair Mandrels are designed for use with the Sinclair Expander Die and all Sinclair Neck Turning Tools.



### **Attributes**

- Name: [SINCLAIR INTERNATIONAL CARBIDE EXPANDER MANDREL, 17 CALIBER \(.171"\)](#)
- Manufacturer: [SINCLAIR INTERNATIONAL](#)
- Product no.: 749014408
- Mfr. No.: E17C
- Caliber: 17 Caliber
- Diameter (in): 0.171
- Delivery weight: 0.026kg
- Shipping height: 13mm
- Shipping width: 13mm
- Shipping length: 51mm

### **Item details**

Made in USA

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# Safety Instruction Guide for CARBIDE EXPANDER MANDRELS

## Introduction

Thank you for choosing the Sinclair International Carbide Expander Mandrel. This guide provides essential safety instructions and information to ensure the safe use of the product. Please read this manual carefully before using the mandrel.

## General Safety Guidelines

- Ensure that the product is used only for its intended purpose as specified in this guide.
- Keep the product out of reach of children and vulnerable individuals.
- Regularly inspect the mandrel for signs of wear or damage before each use.
- Follow all local regulations regarding the use and handling of tools and equipment.
- In case of any accidents or unsafe product incidents, report them to the appropriate authorities.

## Specific Safety Precautions for Use

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when using the mandrel.
- Ensure that the work area is welllit and free from clutter to avoid accidents.
- Use the mandrel only with compatible equipment, such as the Sinclair Expander Die and Sinclair Neck Turning Tools.
- Do not exceed the recommended specifications for the mandrel, including caliber and size.
- Avoid using excessive force when operating the mandrel to prevent injury or equipment damage.
- If you experience any difficulty or resistance while using the mandrel, stop immediately and inspect for issues.

## Instructions for Installation and Usage

### 1. Preparation:

- Gather all necessary tools and equipment, including the Sinclair Expander Die and Sinclair Neck Turning Tools.
- Ensure that your workspace is clean and organized.

### 2. Installation:

- Insert the mandrel into the appropriate die or tool as per the manufacturer's instructions.
- Ensure that the mandrel is securely fastened and properly aligned before use.

### 3. Usage:

- For neck expansion, position the case in the die and gently apply pressure to expand the neck.
- For neck turning, follow the specific guidelines for your neck turning tool to achieve the desired results.
- Always check the fit of the mandrel before proceeding with any further operations.

### 4. PostUsage:

- Carefully remove the mandrel from the die or tool after use.
- Clean the mandrel with a soft cloth to remove any debris or lubricant.

- Store the mandrel in a safe and dry location, away from moisture and direct sunlight.

## **Disposal Instructions**

- When the product reaches the end of its life or is no longer usable, dispose of it in accordance with local regulations for hazardous materials.
- Do not dispose of the mandrel in regular household waste. Check with local authorities for proper disposal methods.

## **Contact Information for Further Support**

For any inquiries regarding safety or product concerns, please reach out to your local retailer or the manufacturer directly for assistance. It is essential to ensure that you have access to support when needed.

By following these guidelines, you can ensure a safe and effective experience with the Sinclair International Carbide Expander Mandrel. Thank you for your attention to safety and responsible usage.

# About Us

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