

## Precision Edge: The Hawkbill Neck Blade Mastery by Shieldon

In the quest for a folding knife that seamlessly blends form and functionality, discerning customers and retailers alike seek out the exceptional. Enter the Shieldon FR-0503: a masterpiece of modern knife design that integrates superior materials, ergonomic excellence, and a unique Hawkbill point. This purchasing description will guide you through the product specifications of the FR-0503, drawing attention to the meticulous craftsmanship characteristic of [Shieldon Manufacturing](#) & Trading Combo's expertise.



**Product at a Glance: Sheldon FR-0503**

Item Number: FR-0503 This identifier is your assurance of authenticity and quality in the world of OEM folding knives, marking the FR-0503 as a genuine product of Sheldon's trusted lineage.

Segment: Folding Knife The FR-0503 falls within the elite category of folding knives, specifically designed for convenience, performance, and durability.

Blade Material: 3Cr13 Utilizing 3Cr13 stainless steel, the blade offers an excellent balance between hardness and corrosion resistance, making it suitable for a variety of environments.

Handle Material: 2Cr13 Sturdy and robust, the 2Cr13 handle complements the blade with its resilience and provides a secure grip for precision use.

Blade HRC: 50-52 The blade's Rockwell Hardness is optimized to ensure toughness and edge retention, without compromising its sharpening ability.



Blade Thickness: 0.114" / 2.9mm The substantial thickness of the blade allows for enhanced strength and durability, enabling the user to tackle both intricate and demanding tasks.

Blade Length: 2.8" / 71mm At 2.8 inches, the blade is perfectly sized for versatile use, adept at precise cuts while retaining its compact form factor.

Handle Thickness: 0.5" / 12.7mm The handle's thickness ensures a comfortable and secure grip, reducing fatigue during extended use.





Total Length: 7.32" / 186mm When unfolded, the FR-0503 extends to an impressive 7.32 inches, providing substantial leverage and control.

Weight: 5.01 oz / 142g The well-balanced weight of the knife underscores its solid construction while maintaining ease of carry.

**Blade Style: Hawkbill Point** The menacing curve of the Hawkbill point is not just about aesthetics; it enhances cutting performance, particularly in pull cuts.

**Handle Color: Black** The classic black handle conveys a sense of sophistication and is versatile enough to complement any personal or professional gear.

**Pocket Clip: Tip-down** The tip-down pocket clip configuration offers a discreet and secure carry, ensuring that the knife is always within easy reach.

**Lock Mechanism: Liner Lock** The liner lock mechanism provides reliable safety when the knife is in use, preventing unintended closure.

**Open Way: Flipper + Thumb Stud** Versatility is key with the FR-0503, with both a flipper and thumb stud for ambidextrous opening options.

**Blade Finish: Blackened** The blackened finish of the blade is not just for looks; it provides additional resistance to corrosion and minimizes reflective glare.



Blade Grind: Flat A flat grind is chosen for its all-around performance, offering a balance between sharpness and edge durability.

ODM Regular MOQ: 1200 The regular MOQ for this model stands at an accessible 1200 units, ideal for businesses seeking quality and exceptional value.

Remark: Can make a slip-joint in the pivot A slip-joint feature can be incorporated into the pivot for additional safety, ensuring the blade stays in place during use.

### **The Art of the Blade: Hawkbill Point Perfection**

The FR-0503's Hawkbill point blade sets it apart in the realm of cutting tools. This distinctive style, with its curved edge, is ideally suited for tasks that require precision and control, making it a favorite among professionals and enthusiasts. Whether it's for slicing through rope or opening boxes, the hawk's bill shape allows for an aggressive cut and a unique aesthetic that stands out in the market.



## **The Harmony of Materials: Strength Meets Ergonomics**

In choosing the materials for the FR-0503, Sheldon has curated an ensemble that speaks of resilience and ergonomic comfort. The choice of 3Cr13 for the blade ensures longevity and ease of maintenance, while the 2Cr13 handle material provides a solid foundation for a firm grip, even in the most demanding conditions.

## **Anodized Aluminum Ring: Detail in Design**

The anodized aluminum ring is a testament to Sheldon's attention to detail. It adds a touch of elegance to the knife while reinforcing the pivot area for a smoother opening action. This fusion of function and style is a hallmark of Sheldon's design philosophy.





### **Reliability in Locking: Safety Ensured**

Safety is paramount in the design of a folding knife, and the liner lock mechanism in the FR-0503 offers peace of mind during operation. The blade's secure locking ensures that it remains in place, providing the user with confidence during each cut.

### **Customization: A Personal Touch**





Understanding the market's need for personalization, Shieldon offers the capability to add custom patterns, logos, or graphics. This service allows businesses to make each knife a reflection of their brand or a tailored offering for special events and campaigns.

### **Shieldon's Commitment to Excellence**

With the FR-0503, Shieldon reaffirms its commitment to excellence in design, manufacturing, and customer satisfaction. Investing in this model means choosing a partner that stands by their product with a formidable history of quality and performance.

### **Conclusion: The Shieldon FR-0503 Experience**

The Shieldon FR-0503 is more than just a folding knife; it's a tool that combines durability, functionality, and sophistication. With its Hawkbill point, robust materials, and meticulous construction, the FR-0503 is poised to become a pivotal part of any product line. In the hands of a responsible owner, it promises to deliver unmatched cutting precision and reliability. Choose Shieldon for your next purchase, and experience the convergence of tradition and innovation in every slice.



## The Cutting Edge of Care: Basics of Folding Knife Maintenance and Assembly

The folding knife, a tool as ancient as it is practical, has evolved tremendously over the centuries. Modern folding knives are marvels of engineering, with designs that cater to an array of uses—from outdoor adventures to everyday carry (EDC). Whether you are a seasoned collector or a newcomer to the world of knives, understanding the components and maintenance of these tools is key to their longevity and functionality. This content will cover the common types of screws used in folding knife production and provide essential tips for maintaining a folding knife's pivot.



## Understanding the Screws of Stability

Folding knives are held together by a variety of screws, each performing a crucial role in the knife's construction and performance. Typically, these screws are made from high-grade materials like stainless steel or titanium for corrosion resistance and durability.

1. **Pivot Screws:** The pivot screw is the heart of a folding knife's movement. It holds the blade in place, allowing it to open and close smoothly. Precision is paramount for pivot screws as their tightness determines the blade's deployment.

2. **Handle Screws:** These screws attach the handle scales to the frame or liners of the knife. They need to be durable and capable of withstanding constant handling and the rigors of daily use.
3. **Pocket Clip Screws:** These small but mighty screws secure the pocket clip to the knife. They are essential for guaranteeing that the knife stays attached to a pocket or belt for easy access.
4. **Spacer and Standoff Screws:** These screws are used to hold together the various layers and components of the knife, such as back spacers or standoffs that create space between handle scales.
5. **Lockbar or Liner Screws:** For knives with locking mechanisms, these screws are crucial for maintaining the integrity of the lock, ensuring the blade stays open when in use and closed when stowed.

Manufacturers often use proprietary screws, which can require specialized tools for disassembly.

This is important to keep in mind when performing maintenance or customization.

## Maintaining the Pivot: A Step-by-Step Guide

The pivot of a [folding knife](#) is its most crucial moving part. Proper maintenance not only ensures a smooth opening and closing action but also extends the life of the knife.

1. **Cleaning:** Begin with cleaning the pivot area to remove any dirt, grime, or old lubricant. A can of compressed air can blow away loose debris, and a cotton swab dipped in isopropyl alcohol can help in cleaning tougher gunk.
2. **Disassembly (if necessary):** If deep cleaning is required, carefully disassemble the knife according to the manufacturer's instructions. Keep a safe container handy to hold all small components and avoid losing any screws.
3. **Lubrication:** Apply a high-quality knife lubricant to the pivot area. There are lubricants specifically designed for knives that won't attract dirt and provide a smooth action. A couple of drops should suffice; then open and close the blade several times to work the lubricant into the pivot mechanism.

4. **Reassembly and Adjusting:** If you've disassembled your knife, reassemble it by carefully replacing all screws and parts. Adjust the pivot screw to find the perfect balance between too loose (blade wobble) and too tight (difficult to open). A properly adjusted pivot allows for easy blade movement without any play.
5. **Testing and Final Adjustments:** Test the blade's action after reassembly. A well-maintained pivot will result in a blade that deploys smoothly and locks securely. Make any final adjustments to the pivot tension as needed.
6. **Regular Check-Ups:** Regularly inspect the pivot area and screws for any signs of wear or loosening. The pivot screw may require occasional tightening, and the knife should be cleaned and lubricated periodically to maintain optimum performance.

**Conclusion:**

A folding knife is a reliable companion only as long as it is properly taken care of. By understanding the function of different screws and how to maintain the pivot, you ensure the longevity and reliability of your tool. Regular maintenance not only preserves the function and appearance of your folding knife but also enhances your safety and the overall user experience. With the basics now in hand, your folding knife will be ready for action whenever you are.

