

## Ultimate Survival Companion: The OEM JLD-801(O) Folding Knife

The quest for a reliable, [multi-functional folding knife](#) that can handle the rigors of the great outdoors ends with the OEM JLD-801(O) folding knife. Designed with survival in mind, this knife is a powerhouse tool, equipped with a clip point blade, an integrated belt cutter, and a glass breaker feature, making it an indispensable companion for outdoor enthusiasts, emergency responders, and everyday carry (EDC) aficionados alike.



### Item Overview

The JLD-801(O) is more than just a knife; it's a survival tool that has been intricately designed to be a part of your essential gear. Its robust 3Cr13 stainless steel blade is known for its durability and rust resistance, ensuring longevity even in the most challenging conditions.

Paired with a sturdy 2Cr13 stainless steel handle, this knife is built to withstand significant wear and tear, maintaining its integrity when you need it most.

## **Blade Precision and Strength**

The knife's blade is crafted with precision, having a hardness rating (HRC) of 50-52, which strikes a perfect balance between maintaining a sharp edge and being resilient against impacts and bending. The 0.098" (2.5mm) blade thickness provides the strength needed for heavy-duty tasks, while the 2.52" (64mm) blade length ensures the knife is compact enough for easy carrying without sacrificing functionality.

## **Handle Design and Ergonomics**

The handle, with a thickness of 0.433" (11mm), offers a comfortable grip that reduces hand fatigue, making the JLD-801(O) suitable for prolonged use in survival situations. Its total length of 5.98" (152mm) when opened, and weight of 3.81 oz (108g) makes it an easy addition to your pocket or survival kit without weighing you down.

## **Aesthetics and Customization**

Available in black, golden, and vibrant orange, the knife offers variety to suit your personal style or to stand out in nature for easy identification. The orange variant, in particular, is excellent for visibility in outdoor environments, ensuring you never lose sight of your tool.





### **Pocket Clip and Portability**

The inclusion of a tip-down pocket clip makes the JLD-801(O) readily accessible and secure when clipped onto a belt or pocket, ensuring it's always at your fingertips when you need it most.

### **Reliable Locking Mechanism**

Safety is paramount, and that's why this knife features a reliable liner lock mechanism. The lock is designed to keep the blade securely in place during use, preventing accidental closure and protecting the user from potential injury.

### **Ease of Opening**

Opening the knife is a breeze with its nail mark feature, providing a no-fuss, straightforward method to deploy the blade quickly and efficiently.

### **Blade Finish and Aesthetics**

The blackened blade finish not only adds a tactical and sleek appearance but also helps to minimize glare and provides additional corrosion resistance.

### **Blade Grind and Cutting Edge**

A flat grind on the blade ensures a strong edge with excellent control for slicing, cutting, and piercing tasks. This type of grind is easy to sharpen and maintain, making it suitable for a variety of cutting jobs.



## **ODM and Customization**

For businesses looking to include this versatile knife in their product lineup, Shieldon offers Original Design Manufacturing (ODM) services with a regular Minimum Order Quantity (MOQ) of 3000 units. This allows for significant customization and branding opportunities, helping to create a product that resonates with your brand identity and meets the demands of your clientele.

## **Purchasing Description**

When sourcing the JLD-801(O) folding knife, buyers can expect a multifaceted tool that excels in various applications. Whether it's cutting through rope, slicing material, or breaking glass in an emergency, this knife is engineered to perform. Its construction from the robust 3Cr13 and 2Cr13 stainless steels ensures a blend of flexibility and strength that is essential for survival scenarios.

The knife's tactical design, including its drop point blade style, is optimized for control and piercing capability, which is essential for precision tasks. Its flat grind blade is adept at both fine cutting tasks and tougher challenges, offering versatility that's crucial in a survival tool.



With its wide range of colors, the OEM JLD-801(O) folding knife can be selected to match the branding and aesthetics for a variety of markets and demographics. The integrated belt cutter and glass breaker features further enhance its utility, making it a standout offering for any outdoor, survival, or EDC product range.



In summary, the JLD-801(O) folding knife is a testament to Sheldon's commitment to excellence in both manufacturing and trading. It encapsulates a balance of form, function, and durability that is the hallmark of quality survival tools. Buyers interested in this exceptional

product will not only be purchasing a knife but a promise of performance and reliability that Sheldon has upheld for over 25 years in the foreign trade business.

## Cutting Through Complexity: Understanding Budget Steel in Folding Knives

For those venturing into the world of folding knives, whether as collectors, enthusiasts, or users seeking a reliable everyday carry (EDC), understanding the steel used in a knife's blade is fundamental. The chemical composition of the steel can determine the blade's hardness, durability, edge retention, and corrosion resistance—key factors that affect a knife's performance and longevity. This guide aims to demystify the budget steels commonly found in folding knives, helping you make an informed choice without breaking the bank.





## Essential Elements of Knife Steel

Steel is an alloy of iron and carbon, but various other elements are added to enhance its properties:

- **Carbon (C):** Increases edge retention, hardness, and tensile strength. High carbon content can make steel harder, but also more brittle.
- **Chromium (Cr):** Enhances hardness, tensile strength, and corrosion resistance. A steel with at least 13% chromium is considered stainless.
- **Manganese (Mn):** Improves strength and wear resistance. It also increases hardenability, allowing the steel to be more responsive to heat treatment.
- **Silicon (Si):** Adds strength. Like manganese, it is a deoxidizer and helps in making the steel more durable.
- **Molybdenum (Mo):** Boosts toughness and helps maintain strength at high temperatures.
- **Vanadium (V):** Enhances wear resistance and increases toughness.

- **Nickel (Ni):** Contributes to toughness and corrosion resistance.

## Budget Steel Types in Folding Knives

Budget steels are often used in folding knives that are meant to be affordable yet functional.

Here are some of the most common budget knife steels and their chemical compositions:

- **420HC Steel:** A higher carbon version of standard 420 steel, it has approximately 0.45–0.5% carbon, which provides enhanced edge retention and corrosion resistance. It's a popular budget steel for knives because of its relative ease of sharpening and decent durability.
- **8Cr13MoV:** A Chinese stainless steel that roughly compares to AUS-8. It typically contains 0.8% carbon, 13% chromium, and small amounts of molybdenum and vanadium, usually less than 1%. This steel is known for its good balance of hardness, toughness, and edge retention, all while being easy to sharpen.
- **AUS-8:** A Japanese medium-carbon, high-chromium stainless steel with around 0.75% carbon and 14.5% chromium, along with nickel, manganese, and vanadium. It's similar to 8Cr13MoV but generally holds an edge better due to slightly higher carbon and vanadium content.
- **7Cr17MoV:** Similar to 440A, this steel has added molybdenum and vanadium to improve its wear resistance and strength. It contains roughly 0.7% carbon and 17% chromium, making it highly resistant to rust and easy to sharpen.



## Performance Aspects of Budget Steels

- **Hardness and Edge Retention:** The hardness of steel is measured on the Rockwell scale (HRC). Budget steels typically fall within the 56-59 HRC range. A higher number indicates a harder steel that maintains a sharp edge longer but may be more challenging to sharpen and more prone to chipping.
- **Toughness:** This is the steel's ability to absorb energy and resist cracking or chipping. Budget steels are generally less tough than premium steels, but they can be more than adequate for everyday tasks.
- **Corrosion Resistance:** The amount of chromium plays a significant role in a steel's ability to resist rust. Budget stainless steels with higher chromium content (like 7Cr17MoV) will have better corrosion resistance.

- **Sharpening Ease:** Generally, the softer the steel, the easier it is to sharpen. Budget steels strike a balance between maintaining a decent edge and being user-friendly when it comes to sharpening.

## Conclusion

When choosing a [folding knife](#), consider what properties are most important for your intended use. If you need a knife that stays sharp through heavy use, look for higher carbon content. If working in damp or maritime environments, prioritize chromium content for corrosion resistance.



Budget steel knives offer a practical and affordable option for everyday use. They may lack some of the advanced properties of high-end steels, but they are capable performers in their own right. By understanding the basic chemical composition of these steels, you can select a folding knife that meets your needs and ensures you get the best value for your money.