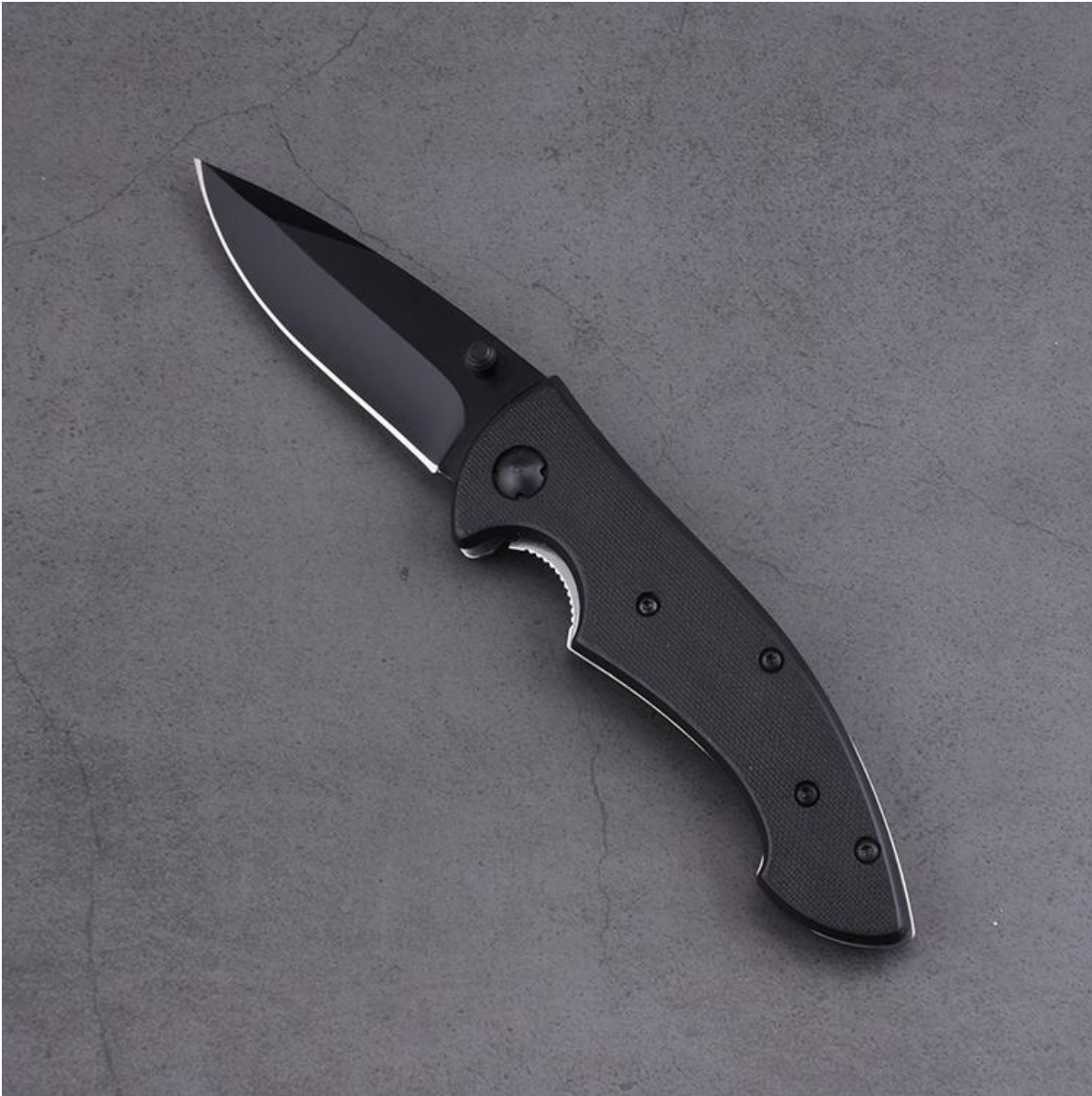


## Precision Engineered for Performance: The OEM Folding Pocket Knife XW-1018 by Shieldon

Introducing the [OEM Folding Pocket Knife](#) XW-1018, a meticulously designed masterpiece that harmoniously blends form and function. This cutting-edge tool combines a robust 3Cr13 blade with an exquisitely anodized aluminum handle, tailored to meet the discerning requirements of brands seeking to enhance their product portfolio with quality and style. Shieldon Manufacturing & Trading Combo stands at the forefront of the knife industry, offering this signature piece as a testament to their unwavering dedication to excellence.





## Product Overview

The XW-1018 folding knife is a formidable addition to any EDC collection, crafted for both the enthusiast and the practical user alike. Designed for OEM distribution, this model is poised to carry your brand's logo proudly, representing your commitment to delivering superior products to your clientele.

## Uncompromised Blade Quality

Blade Material: 3Cr13

At the heart of the XW-1018 lies its formidable drop point blade, forged from high-quality 3Cr13 stainless steel known for its durability and ease of maintenance. The steel composition offers a good balance between toughness and resistance to corrosion, making it an ideal choice for everyday carry.

Blade HRC: 50-52

A Rockwell hardness rating of 50-52 HRC ensures the blade provides sufficient edge retention while remaining easy to sharpen, perfect for users who value convenience and efficiency.

Blade Thickness: 2mm/0.079"

The blade's measured thickness reinforces its strength, allowing for precision cutting tasks without compromising on durability.

Blade Length: 85mm/3.35"



The 85mm blade is agile and versatile, striking an optimal balance between compactness and cutting capability.

#### Blade Finish: Blackened

A sleek, blackened finish not only enhances the blade's resistance to wear and tear but also adds a tactical aesthetic that appeals to a wide audience.

#### Blade Grind: Flat

The flat grind on the blade ensures an excellent edge geometry for slicing, making it suitable for a variety of cutting tasks.





### **Ergonomic and Aesthetic Handle Design**

Handle Material: Anodized aluminum

The handle of the XW-1018 is crafted from top-grade anodized aluminum, granting it a lightweight profile without compromising on strength. It offers a secure grip, allowing for confident handling in all conditions.

Handle Thickness: 16mm/0.63"

The handle's substantial thickness provides a comfortable and ergonomic hold, reducing hand fatigue during extended use.

Handle Color: Black

A classic black colorway gives the knife a timeless look, ensuring it remains as stylish as it is functional.

### **Utility and Convenience Features**

Total Length: 195mm/7.68"

When unfolded, the knife measures a total length of 195mm, providing substantial leverage and control without being cumbersome.

Weight: 95g/3.35 oz

Weighing in at 95 grams, the XW-1018 strikes the perfect balance between heft and portability, making it an ideal companion for daily tasks.



### Pocket Clip: Tip-up

The tip-up pocket clip configuration ensures that the knife is always ready for action and easily accessible when needed.

### Lock Mechanism: Liner lock

A reliable liner lock mechanism secures the blade in place during use, providing safety and stability.

### Open Way: Thumb stud

Rapid deployment is facilitated by the inclusion of a thumb stud, ensuring quick and easy one-handed opening.

## **Quality Assurance and Customization Potential**

ODM Regular MOQ: 1200

With a minimum order quantity of 1200 units, the XW-1018 is accessible for brands of any size, looking to offer their customers a knife that stands out in the market.



Shieldon's rigorous quality assurance protocol ensures that each knife meets the highest standards of craftsmanship. By passing the ISO 9001 quality control system, Shieldon guarantees that every piece of the XW-1018 is a product of precision engineering and attention to detail.



**Closing Statement**





The OEM Folding Pocket Knife XW-1018 is more than just a tool; it is a symbol of Sheldon's dedication to merging traditional knife-making craftsmanship with modern technological advancements. This model offers OEM clients the opportunity to provide a reliable, stylish, and functional product that is sure to resonate with their end-users. With its ideal combination of a durable 3Cr13 blade, an ergonomic anodized aluminum handle, and a suite of convenient features, the XW-1018 is poised to become a flagship offering for brands looking to make their mark in the knife industry.

Investing in the OEM Folding Pocket Knife XW-1018 means choosing a product born from a process that values precision, performance, and user satisfaction. As with all Sheldon products, clients can expect a partnership that emphasizes communication, customization, and a shared vision for quality. Whether you are expanding an existing line or launching a new venture, the XW-1018 is a choice that guarantees a sharp edge in the competitive world of EDC tools.

## **The Essentials of Crafting a Folding Knife: Materials and Steel Composition**

The folding knife is a marvel of engineering and design. Its utility in daily life as a tool for cutting, slicing, and aiding in a multitude of tasks makes it a staple in many people's everyday carry (EDC) kits. However, not all folding knives are created equal. The materials used in their construction, particularly the steel of the blade, play a crucial role in determining the



performance, durability, and overall quality of the knife. In this guide, we'll explore the foundational knowledge required to understand folding knife materials and how to compare different steels' compositions.



## Choosing the Right Materials for a Folding Knife

When it comes to folding knife production, two primary components must be carefully selected: the blade and the handle. The blade is the heart of the knife, and its material often draws the

most attention. The handle, although sometimes overlooked, is equally vital as it provides the ergonomics and strength needed for the knife to function effectively.

## Blade Materials

The most common material for folding knife blades is steel, which comes in various compositions and grades. When selecting a steel type, manufacturers consider factors such as edge retention, corrosion resistance, hardness, and ease of sharpening.

1. **High Carbon Steel:** Known for exceptional edge retention and sharpness, high carbon steel blades, however, are more prone to rust and require more maintenance.
2. **Stainless Steel:** Stainless steel blades contain chromium, which enhances their corrosion resistance. While they are less likely to rust, they may not hold an edge as well as high carbon steels.
3. **Tool Steel:** Tool steels are renowned for their toughness and resistance to abrasion, making them suitable for heavy-duty use. Although tough, they can be more challenging to sharpen.
4. **Damascus Steel:** Recognized by its distinctive patterns, Damascus steel is both aesthetic and functional, offering good edge retention and overall toughness.



## Handle Materials

The handle should offer a comfortable grip and be made from materials that can withstand regular use. Some popular handle materials include:

1. **Aluminum:** Lightweight and durable, aluminum handles can be anodized for color and additional corrosion resistance.
2. **G10:** A type of fiberglass laminate that is moisture resistant and offers excellent grip.

3. **Carbon Fiber:** Known for its lightweight and high-end appearance, carbon fiber is also strong and durable.
4. **Titanium:** Offering a high strength-to-weight ratio, titanium handles are corrosion-resistant and often found on more premium knives.

## Comparing Different Steels' Compositions

Comparing steel compositions can be complex, as there are many variables to consider. Here's a simplified guide to understanding the key components:

1. **Carbon:** Increases edge retention, hardness, and tensile strength. High carbon content can make steel more brittle and prone to rust.
2. **Chromium:** Enhances corrosion resistance and toughness. A steel with at least 12% chromium is considered stainless.
3. **Molybdenum:** Improves strength, machinability, and hardness. It also helps to maintain the steel's strength at high temperatures.
4. **Vanadium:** Increases overall toughness and wear resistance, which contributes to better edge retention.
5. **Cobalt:** Boosts the strength of the steel and allows it to maintain its properties at higher temperatures.
6. **Nickel:** Adds toughness and corrosion resistance.
7. **Tungsten:** Improves hardness and wear resistance, especially at high temperatures.
8. **Manganese:** Increases hardenability and tensile strength when used in moderate amounts but can make the steel brittle if used excessively.

When comparing steels, one must consider the intended use of the knife. A blade that excels in edge retention might not be the best in corrosion resistance and vice versa. For example, a fisherman might prefer a stainless steel blade for its resistance to water, while a craftsman might choose a high carbon blade for its sharpness and ease of sharpening.



**Conclusion: The Fine Edge of Folding Knife Selection**

The art of [folding knife](#) production is a delicate balance of material selection and understanding of steel compositions. Each element, from the blade to the handle, contributes to the knife's functionality, durability, and aesthetic appeal. By understanding the basics of knife materials and the complex interplay of steel components, one can make informed choices, whether in manufacturing or selecting the perfect folding knife for their needs. Armed with this knowledge, you can appreciate the craftsmanship that goes into each folding knife and select a blade that will serve you effectively for years to come.