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Precision Meets Practicality: The Shieldon XW-1021 Anodized Aluminum OEM Folding Knife

In the dynamic and demanding world of cutting tools, the quest for a reliable, functional, yet aesthetically pleasing folding knife ends with the Shieldon XW-1021 – a marvel of modern manufacturing that reflects the perfect fusion of durability and design. This detailed purchasing description will guide you through the top-tier specifications of the XW-1021, an OEM folding pocket knife that stands as a testament to Shieldon's Manufacturing & Trading Combo business's expertise and commitment to quality.

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Product Overview:

The Shieldon XW-1021 is an ideal embodiment of what a folding knife should be: robust, dependable, and elegantly crafted. Designed to cater to the discerning needs of outdoor enthusiasts, everyday carriers, and tactical users alike, this folding knife offers an impeccable balance between form and function.

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Blade Excellence:

At the heart of the XW-1021 lies its formidable blade, crafted from 3Cr13 stainless steel. Known for its favorable balance of strength, durability, and affordability, 3Cr13 steel provides a resilient cutting edge with a hardness rating of 50-52 HRC. This ensures the blade retains sharpness through extensive use while remaining easy to sharpen when needed.

The drop point style of the XW-1021's blade, measuring 90mm (3.54 inches) in length and 2mm (0.079 inches) in thickness, offers a large belly for efficient slicing and a strong point for piercing tasks. Finished with a blackened treatment, the blade not only exhibits a sleek and stealthy appearance but also benefits from added corrosion resistance.

The flat grind on the blade strikes a perfect balance, offering a sharper edge for precision tasks while maintaining enough material to support heavy-duty use. This makes the XW-1021 a versatile companion for a range of cutting applications.

Handle Durability and Design:

Encasing the robust blade is the equally impressive handle, constructed from anodized aluminum. This material selection is not incidental; anodized aluminum is renowned for its

lightweight properties and its ability to withstand the rigors of harsh environmental conditions without succumbing to corrosion.

The handle's camo color not only adds a tactical edge to its look but also serves practical purposes in outdoor settings, blending with natural surroundings. At 15mm (0.591 inches) in thickness, the handle is designed to provide a comfortable and secure grip, ensuring the knife feels like an extension of the user's hand.

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Functional Features:

The XW-1021 incorporates a liner lock mechanism, a staple for modern folding knives, offering a secure lock-up that can withstand significant force without disengaging. This safety feature is crucial, providing users with confidence during intensive tasks.

For quick and easy one-handed deployment, the knife is equipped with a thumb stud. This feature is essential for situations that require immediate knife access, allowing for swift and fluid action.

The inclusion of a tip-up pocket clip is a thoughtful touch, affording the user convenient carry and quick access. The clip's design ensures that the knife can be discreetly and securely attached to the pocket, reducing the risk of loss.

Practical Considerations:

With a total length of 200mm (7.87 inches) when fully deployed, the XW-1021 strikes an excellent balance between portability and utility. It remains compact enough for comfortable carry while offering sufficient length for a wide range of cutting tasks.

Weighing in at 149g (5.26 oz), this folding knife is substantial enough to handle demanding jobs yet light enough not to be burdensome during long periods of carry.

Business and Quality Assurance:

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Conscious of the needs of our business clients, Shieldon offers the XW-1021 under OEM terms, with an ODM Regular MOQ of 1200 units, making it an accessible option for brands looking to bolster their inventory with a high-quality product.

Quality is not a mere buzzword at Shieldon; it's the foundation upon which all products are created. The XW-1021 is no exception. Every knife undergoes rigorous inspection and quality control processes to guarantee that it meets Shieldon's high standards, in line with our ISO 9001 quality control system.

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Conclusion:

The Shieldon XW-1021 is a testament to the craftsmanship and attention to detail that have cemented Shieldon's reputation in the industry. With its robust 3Cr13 blade, durable anodized aluminum handle, and thoughtful design elements, this OEM folding pocket knife is engineered to deliver unrivaled performance and reliability.

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Whether for resale under your brand or as a dependable addition to your product offerings, the XW-1021 promises to exceed expectations. Trust in Shieldon's 25 years of foreign trade excellence to provide you with a product that resonates with quality, innovation, and market appeal – the XW-1021 is not just a knife but a statement of outstanding manufacturing and trading prowess.

The Anatomy of a Folding Knife: Understanding Materials and Steel Composition

When it comes to folding knives, the materials used in their construction are not just a matter of aesthetics; they determine the tool's durability, functionality, and overall performance. Whether you're a seasoned collector or a newcomer to the world of knives, understanding the basics of folding knife materials, particularly the chemical composition of the steel, is crucial. This insight not only guides you in selecting a knife but also in appreciating the craftsmanship that goes into creating these portable and essential tools.

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Blade Materials: The Heart of the Knife

The blade is the soul of a folding knife. Its material dictates its sharpness, strength, and longevity. The most common material used is steel, and its properties can vary significantly depending on the chemical composition.

1. **Carbon Content**: The amount of carbon in knife steel is a critical factor that affects its hardness. High carbon steel blades are known for maintaining sharp edges and providing excellent wear resistance.

They typically contain anywhere from 0.6% to 1% carbon, which allows for a hard edge but can make the steel more brittle and susceptible to corrosion if not properly cared for.

2. **Chromium**: Stainless steel blades contain at least 12% chromium, which gives the metal its rust-resistant properties. A higher chromium content can increase a blade's corrosion resistance but may also decrease its overall toughness.
3. **Other Alloying Elements**: Elements like molybdenum, vanadium, and nickel can also be found in knife steels. Molybdenum and vanadium improve strength, hardness, and wear resistance, while nickel enhances toughness. These elements are often present in trace amounts, yet they can significantly impact the steel's characteristics.

Handle Materials: The Support System

The handle of a folding knife plays an equally important role, as it provides grip and balance while using the blade. The choice of handle material can range from natural materials to high-tech synthetics, and each has its unique benefits.

1. **Wood**: Wood handles offer a classic look and a warm feel. They can be durable but require maintenance to keep them from warping or cracking.
2. **Metal**: Aluminum, titanium, and stainless steel are popular for metal handles. Aluminum is lightweight and corrosion-resistant, titanium is strong and also corrosion-resistant, but usually more expensive, and stainless steel is durable and resistant to wear and tear.
3. **Synthetics**: Materials such as G10 (a fiberglass laminate), carbon fiber, and Micarta® (layers of cloth soaked in resin) are modern, durable, and resistant to environmental factors. They usually offer good grip and can be textured in various ways to enhance their functionality.

Locking Mechanism: The Safety Feature

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A folding knife's locking mechanism is a vital component that ensures the blade stays open when in use and prevents accidental closures. Common locking systems include liner locks, frame locks, and lock backs, each with its unique advantages in terms of strength and ease of use.

Open and Closure Systems: Usability

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Folding knives come with various opening and closing mechanisms. Manual systems may use thumb studs, thumb holes, or nail nicks for opening. Automatic or assisted opening knives use internal mechanisms or springs to help deploy the blade quickly.

Selecting the Right Folding Knife

When choosing a folding knife, consider the following:

1. **Purpose**: Determine what you will use the knife for—everyday tasks, outdoor activities, or as a collectible.
2. **Maintenance**: Consider how much time and effort you are willing to invest in maintaining the knife. High carbon steel blades will require more care to prevent rust, while stainless steel is lower maintenance.
3. **Budget**: Quality can vary greatly with price. Higher-end steels and handle materials may cost more but offer better performance and durability.
4. **Personal Preference**: Ultimately, the right knife for you is one that feels comfortable in your hand, suits your style, and meets your needs.

Conclusion

Understanding the materials and chemical composition of steel used in folding knives is essential for making an informed purchasing decision. High carbon steel blades offer sharpness and hardness, while stainless steel provides corrosion resistance. Handle materials complement the blade and add to the knife's aesthetic and functional appeal. Whether you're a serious

collector or simply need a reliable tool, investing in a quality folding knife with the right materials will serve you well in the long run.