

Precision in Your Pocket: Sheldon's LS-2564 EDC Sheepsfoot Marvel

Introducing the LS-2564, a pinnacle of functional elegance in the realm of EDC folding knives, brought to you by the renowned [Shieldon Manufacturing & Trading](#) Combo. This meticulously engineered folding knife is not just a tool but a reliable ally for the everyday adventurer, the hands-on professional, and the tactical expert. With its perfect balance of robust materials and swift functionality, the LS-2564 is designed to be the go-to choice for anyone in need of a dependable cutting companion.



Robust Blade for Rugged Use

At the core of the LS-2564's design is the 7Cr17 blade. This high-carbon stainless steel is celebrated for its resilience and ease of sharpening. With a hardness rating of 56-58 on the Rockwell scale, the blade promises enduring sharpness and the ability to withstand the wear and tear of daily tasks. The steel's inherent strength is further enhanced by a black titanium coating, providing additional corrosion resistance and a sleek, non-reflective finish.

Dimensions of Precision

Every detail of the LS-2564 is crafted with precision. The blade's thickness of 0.126 inches ensures that it is sturdy enough to handle tough jobs without being cumbersome. Its length of 3.43 inches strikes the ideal balance between compactness for easy carry and ample cutting edge for a variety of tasks. The sheepfoot blade style further adds to the knife's utility, offering a straight edge that excels in control and safety during cutting, making it a superb choice for intricate tasks.

G10 Handle: The Grip of Confidence

Encasing the formidable blade is a handle crafted from G10, a high-pressure fiberglass laminate that is unrivaled in durability and stability. This material is resistant to moisture, temperature fluctuations, and chemicals, ensuring the LS-2564 remains unfazed by the



elements. The handle's black color is both aesthetically pleasing and practical, concealing dirt and wear while providing a timeless look. The thoughtful thickness of 0.606 inches affords a comfortable grip for users of all hand sizes, reducing fatigue during prolonged use.

Innovative Deployment

The LS-2564 is equipped with a state-of-the-art steel ball bearing system, which allows for a swift and smooth blade deployment using the integrated flipper. This feature, combined with the additional opening hole, offers versatility and quick access, ensuring that you can have the blade ready at a moment's notice.

Secure Locking Mechanism

Safety is paramount in any cutting tool, and the LS-2564 delivers with a reliable liner lock mechanism. This system secures the blade firmly in place during use, preventing accidental closure and potential injury. The lock is easy to disengage when it's time to safely fold the knife away.





Carry with Ease

Portability is an essential feature of any EDC folding knife. The LS-2564, weighing 5.54 ounces, provides a substantial feel without weighing down your pocket. It features a convenient tip-down pocket clip, making it easy to carry discreetly and access quickly. This feature is essential for anyone who needs their tools readily available for immediate use.

Flat Grind for Versatile Cutting

The blade's flat grind is meticulously designed to offer a balance between sharpness and strength. This type of grind ensures the knife can handle various cutting tasks while maintaining simplicity in sharpening. Whether it's slicing through rope, opening boxes, or preparing a campsite meal, the LS-2564's blade is up to the challenge.

Tailored for Your Business Needs

Recognizing the diverse needs of businesses worldwide, Shieldon offers the LS-2564 with an ODM Regular MOQ of 600, accommodating both small and large-scale orders. This flexibility allows businesses to provide their customers with high-quality knives without overextending their inventory.

Aesthetic Appeal Meets Functional Design

The total length of 7.76 inches when opened gives the LS-2564 an impressive presence, while its design ensures it is not intimidating, making it suitable for various environments. The knife's aesthetic appeal is matched by its functional design, appealing to both knife enthusiasts and casual users.

Partner with Shieldon: A Trusted Name in Knife Manufacturing



Shieldon's Manufacturing & Trading Combo business model exemplifies commitment to quality and customer satisfaction. When you choose the LS-2564, you're not just purchasing a knife; you're investing in a product backed by years of expertise in the industry. Shieldon's dedication to providing exceptional tools that meet the demands of modern life is evident in every LS-2564 folding knife.



Conclusion

The Shieldon LS-2564 EDC folding knife represents more than just a cutting tool; it's a symbol of preparedness, resilience, and attention to detail. With its durable 7Cr17 blade, ergonomic

G10 handle, and innovative opening mechanisms, the LS-2564 stands as a testament to Sheldon's commitment to excellence. For businesses looking to source a knife that combines practicality with a sleek design, the LS-2564 is an impeccable choice that promises satisfaction for the most discerning of users.

The Cutting Edge: Anatomy and Alloy of Folding Knives

A folding knife, by design, is a tool that incorporates a pivot point allowing the blade to fold into the handle. This compact and safe format makes it a preferred choice for an everyday carry tool. To truly appreciate the intricacies of a folding knife, it's essential to understand its structure and the chemical composition of the steel used to make it.



Structure of a Folding Knife

The basic components of a folding knife include:

1. **Blade:** The cutting part of the knife, which can come in various shapes and sizes, each tailored to different tasks.
2. **Handle (Scales):** The part you hold, which can be made from a variety of materials including wood, plastic, metal, or composites like G10.
3. **Pivot:** The point around which the blade rotates when opening or closing.
4. **Locking Mechanism:** Secures the blade in an open or closed position to prevent accidental injury. Common types include liner locks, frame locks, and lock-back mechanisms.
5. **Opening Mechanism:** This could be a thumb stud, hole, or flipper, and is used to open the knife quickly and easily.

6. **Pocket Clip:** Allows the knife to be clipped onto a pocket or belt for easy access and portability.

Chemical Composition of Folding Knife Steel

The chemical composition of the steel in a folding knife significantly impacts its performance.

Elements like carbon, chromium, molybdenum, vanadium, and manganese play crucial roles.

Let's compare some common steels used in folding knives:

1. **420HC:** This is a stainless steel that has a decent balance of hardness and corrosion resistance due to its high chromium content. It has approximately 0.45–0.55% carbon and 12–14% chromium.
2. **VG-10:** Originating from Japan, VG-10 is well-loved for its ability to hold an edge and resist rust. It contains about 1% carbon, 15% chromium, 1% molybdenum, 0.2% vanadium, and 1.5% cobalt.
3. **154CM:** Known for its toughness and better edge retention compared to 420HC, 154CM is a high-carbon stainless steel with 1.05% carbon, 14% chromium, and 4% molybdenum.
4. **S30V:** This is a premium grade steel with excellent edge retention and corrosion resistance, containing about 1.45% carbon, 14% chromium, 2% molybdenum, and 4% vanadium.
5. **CPM S35VN:** An upgrade to S30V, it includes slightly less carbon but adds niobium, resulting in a composition of about 1.4% carbon, 14% chromium, 2% molybdenum, 3% vanadium, and 0.5% niobium.

Impact of Chemical Composition

Understanding the chemical makeup helps you to choose the right knife for your needs:

- **Carbon (C)** increases hardness and edge retention but decreases rust resistance.
- **Chromium (Cr)** enhances rust resistance; over 10.5% makes it stainless.
- **Molybdenum (Mo)** improves strength, hardness, and prevents brittleness in high temperatures.
- **Vanadium (V)** boosts hardness and wear resistance, allowing for a sharper edge.

- **Manganese (Mn)** improves toughness and hardenability.
- **Cobalt (Co)** increases hardness and stability at high temperatures.
- **Niobium (Nb)** adds to the knife's toughness and wear resistance.



Each steel type comes with trade-offs. High carbon content might make a knife exceptionally sharp and durable, but without enough chromium, it could rust more easily. The vanadium or molybdenum content could make the steel harder to sharpen, even though it will hold an edge longer.

Conclusion

The structure and steel composition of a [folding knife](#) are critical to its function and longevity. Whether you prefer the affordable reliability of 420HC steel knives or the premium performance of S35VN blades, understanding these fundamentals is key to selecting and maintaining your folding knife. Remember, the right knife isn't just about what it's made of; it's about how those materials come together to fit the task at hand.

