

The Ultimate Outdoor Companion: OEM Fixed Blade Hunting Camping Knife G10 Handle RJ-4503

In the world of outdoor gear, the knife is more than just a tool; it is the linchpin of survival, the companion of the adventurer, and the hallmark of the prepared. For the purveyor of quality, the [OEM Fixed Blade Hunting Camping Knife G10 Handle RJ-4503](#) by Sheldon represents a pinnacle of practical design and rugged durability. As a pivotal offering in the Manufacturing & Trading Combo business, this knife is poised to meet the rigorous demands of the great outdoors while serving as a signature piece for your brand.



Product Specifications immediately:

- Item NO.: RJ-4503
- Blade Material: 3Cr13 Stainless Steel
- Handle Material: G10 Fiberglass Laminate
- Blade Thickness: 4.85mm/0.191"
- Blade Length: 155mm/6.1"
- Handle Thickness: 17.11mm/0.674"
- Total Length: 310mm/12.2"
- Weight: 387.5g/13.67 oz
- Blade Style: American Tanto
- Handle Color: Black
- Blade Finish: Blackened
- Blade Grind: Sabre Grind
- ODM Regular MOQ: 2400

Introducing the RJ-4503: A Synthesis of Strength and Precision

The RJ-4503 is not just a knife; it is a symphony of form and function, each element carefully composed to create a masterpiece of outdoor equipment. From the choice of materials to the attention to detail in the design, every aspect of this knife has been tailored to enhance the user's experience in the wild.

Blade Material: The Core of Resilience

Crafted with 3Cr13 stainless steel, the RJ-4503's blade is engineered for tenacity. This material is celebrated for its balance of hardness and corrosion resistance, ensuring that the blade



retains its integrity even under the duress of outdoor use. Whether for cutting rope, carving wood, or preparing food, the blade's resilience means it is always ready for the task at hand.

Blade Style and Grind: The Art of the Edge

The American tanto style blade is a nod to both tradition and innovation. Its angular shape and reinforced point excel in piercing, while the sabre grind—a bevel that starts at the mid-blade and tapers to the edge—provides the strength necessary for heavy-duty tasks without sacrificing sharpness. This grind is a deliberate choice, blending ease of sharpening with the ability to withstand the pressures of chopping and slicing.

Handle Material: The Grip of Assurance

The handle of the RJ-4503 is fashioned from G10, a material revered for its strength, durability, and moisture resistance. Its remarkable ability to withstand the elements makes it a perfect fit for a knife that will face the vagaries of outdoor environments. The texture of the handle ensures a secure grip, instilling confidence in the user even in the wettest conditions or when wearing gloves.

Dimensions and Weight: The Balance of Power



Every dimension of the RJ-4503 has been considered to ensure the knife feels like an extension of the user's hand. The blade's length and thickness are designed to offer control and power, while the handle's thickness provides a comfortable grip for any hand size. The total length and weight of the knife reflect a harmony between portability and functionality—the RJ-4503 is as much at ease on a belt as it is in action.



Finish and Aesthetics: The Look of Mastery

The blackened finish of the blade is not just for aesthetics—it serves to protect the steel from the elements and reduce glare, a critical feature when stealth or subtlety is required. Coupled with the black G10 handle, the RJ-4503 presents a formidable yet understated appearance, communicating quality and purpose.

ODM Opportunities: Tailoring Excellence

With a regular Minimum Order Quantity (MOQ) of 2400, the RJ-4503 offers Original Design Manufacturing (ODM) opportunities that allow for customization and branding. This feature is key for businesses looking to offer a product that resonates with their brand's identity and values.

Why Choose the RJ-4503 for Your Business?

The RJ-4503 strikes the perfect balance between robust functionality and elegant design, making it a sought-after product for the discerning customer. By offering this knife under your brand, you provide a tool that embodies strength, reliability, and craftsmanship.

Shieldon's Manufacturing & Trading Combo Advantage

As part of the [Shieldon Manufacturing](#) & Trading Combo, the RJ-4503 benefits from a legacy of quality and a streamlined process from production to purchase. Shieldon's reputation for excellence in manufacturing ensures that each knife meets stringent quality standards, while our trading expertise guarantees seamless transactions, with support in navigating the complexities of international fees and regulations.



Conclusion: The Essential Outdoor Tool

In conclusion, the OEM Fixed Blade Hunting Camping Knife G10 Handle RJ-4503 is more than just a cutting implement—it is an essential tool forged to stand by your customers through every adventure. It is a symbol of preparedness, a piece of trust, and a token of the wild. Offering this knife positions your brand as a purveyor of quality and a partner in adventure. Choose the RJ-4503, and arm your customers with the ultimate outdoor companion.



Understanding the Steel of the Hunt: A Guide to Hunting Knife Composition

When delving into the world of hunting knives, the steel used in crafting the blade is as crucial as the skill of the wielder. The chemical composition of the steel determines the blade's toughness, strength, edge retention, and resistance to corrosion, which are all vital attributes for a reliable hunting knife. Here, we provide a primer on the basic knowledge of hunting knife steel that will help you understand the complexities and differences in steel types.



Carbon Content: The Heart of the Blade

Steel is primarily an alloy of iron and carbon. The carbon content in knife steel typically ranges from 0.2% to 2.0%. The amount of carbon significantly influences the hardness of the blade; higher carbon content generally leads to a harder knife, which can maintain a sharp edge for longer periods. However, too much carbon can make the steel brittle, so the key is to find a balanced composition that offers both hardness and flexibility.

Alloying Elements: Tailoring the Steel's Properties

Apart from carbon, various other elements are added to create alloys that enhance the characteristics of the steel. Here are some common alloying elements and their effects:

1. **Chromium (Cr):** Often found in stainless steel, chromium enhances corrosion resistance. A steel with at least 10.5% chromium is considered stainless and is ideal for hunting knives used in damp environments.
2. **Molybdenum (Mo):** This element increases strength and hardness. It also improves the steel's resistance to warping at high temperatures, making it a good choice for knives that will see heavy use.
3. **Vanadium (V):** Adding vanadium refines the grain structure of the steel, resulting in improved toughness and wear resistance. It also helps in achieving a sharper edge.
4. **Manganese (Mn):** Manganese is used to improve the strength and wear resistance of steel. It also helps to remove oxygen during the manufacturing process, resulting in a cleaner product.
5. **Nickel (Ni):** Nickel adds toughness to steel. It can also increase corrosion resistance, making it beneficial for hunting knives exposed to the elements.

6. **Tungsten (W) and Cobalt (Co):** Both of these elements are often found in high-speed steels and contribute to maintaining strength at high temperatures.

Common Hunting Knife Steels and Their Chemical Compositions

To give you a comparative understanding, let's look at some commonly used steels in hunting knives and their chemical compositions:

- **420HC Steel:** A stainless steel that has approximately 0.45% Carbon, 13% Chromium, and 0.6% Manganese. It's known for its corrosion resistance and ease of sharpening.
- **1095 Cro-Van Steel:** A carbon steel that typically contains 0.95% Carbon, 0.4% Manganese, and small amounts of Chromium and Vanadium. It's well-known for its easy sharpening and good edge retention.
- **VG-10 Steel:** A stainless steel with about 1% Carbon, 15% Chromium, 1% Molybdenum, 0.2% Vanadium, and 1.5% Cobalt. VG-10 is prized for its balance between edge retention, toughness, and corrosion resistance.
- **S30V Steel:** A premium stainless steel with around 1.45% Carbon, 14% Chromium, 2% Molybdenum, and 4% Vanadium. It offers excellent edge retention and corrosion resistance, making it popular in high-end hunting knives.
- **Damascus Steel:** Not a single type of steel, Damascus is made by forging multiple steels together. The carbon content can greatly vary, but it often includes steels like 1095 and 15N20. The result is a blade with distinctive patterns, good edge retention, and overall resilience.



The Interplay of Elements: Performance in the Field

Understanding the chemical composition of hunting knife steel can guide you in choosing a blade that suits your specific needs. For instance, if you're hunting in coastal areas, a knife with high chromium content might be essential to prevent corrosion. Alternatively, if you require a blade for tasks that demand superior edge retention, look for a steel with higher carbon and vanadium content.

Final Thoughts: The Steel of Choice

Selecting the right [hunting knife](#) is a personal decision that should be influenced by the environment in which you'll use it, the game you're pursuing, and the tasks you expect to perform. Understanding the chemical composition of the steel can ensure that the knife you choose will not only serve you well in the field but also stand the test of time. Whether you're a seasoned hunter or a newcomer to the chase, knowledge of your blade's steel is as essential as the knife itself in your hunting arsenal.