

Elevate Your Adventure: The OEM Carabiner Hard Key Ring Outdoor Climbing Tool

Introducing the JLD-20800, [Shieldon Manufacturing & Trading](#) Combo's premium outdoor climbing carabiner, which doubles as a compact toolkit designed to tackle a myriad of tasks with ease and efficiency. Whether you're a seasoned climber, an avid hiker, or an outdoor enthusiast, this multi-functional carabiner is an essential gear that combines practicality with durability. In this description, we'll delve into the specifications of the JLD-20800 and explore why it's the ultimate addition to your outdoor kit.





Item NO.: JLD-20800 – Your Reliable Outdoor Companion

The JLD-20800 is not just a carabiner; it's a symbol of versatility and preparedness. Crafted with meticulous attention to detail, this carabiner key ring is engineered to offer unparalleled reliability and functionality to its users.

Main Body Material: 2CR13 – Rugged Durability

Constructed from 2CR13 stainless steel, the JLD-20800 is built to withstand the toughest environments. This high-strength alloy provides superior durability and resistance to both corrosion and abrasion, making it an ideal choice for outdoor use.

Handle Material: Aluminum – Ergonomic Grip

The handle of the JLD-20800 is made from top-grade aluminum, known for its lightweight properties and strength. The ergonomic design ensures a comfortable and secure grip, reducing hand fatigue during prolonged use.

Dimensions – Compact and Mighty

With a closed length of 4.53 inches (115mm) and an opened length of 7.28 inches (185mm), this carabiner is designed for optimal balance between size and function. A total thickness of 0.55 inches (14mm) provides a substantial feel in the hand, enhancing its usability.

Blade Length – Precision Cutting

Featuring a blade length of 3.15 inches (80mm), the JLD-20800 is equipped with a razor-sharp edge capable of precise, clean cuts, ensuring that you're ready for any challenge that requires a cutting tool.





Weight – Solid Yet Lightweight

Weighing in at 3.6 ounces (102g), the JLD-20800 offers heft indicative of its solid construction, while still being light enough to carry without burden.

Handle Color: Blue – Vibrant and Visible

The handle of the JLD-20800 comes in a striking blue color, not only providing a stylish aesthetic but also ensuring high visibility, making it easy to locate among your gear.

Main Body Finish: Blackened – Stealth and Style

The main body's blackened finish gives the JLD-20800 a sleek, modern look while providing an extra layer of protection against the elements. This tactical appearance is both functional and appealing.

Locking Blade: Liner Lock – Secure and Safe

The liner lock mechanism ensures the blade remains firmly in place when opened, preventing accidental closure and potential injury. This safety feature is a must-have for any tool of this caliber.

Functions: 6 in 1 – All-in-One Utility

The JLD-20800 boasts six integral functions, each designed to offer convenience and aid in various situations:

1. **Knife:** Stay prepared with a sharp, dependable blade for all your cutting needs.



2. **Phillips Screwdriver:** Tighten or loosen screws on-the-go with the integrated Phillips driver.
3. **LED Light:** Illuminate the path ahead or focus on close-up tasks with a built-in LED light.
4. **Key Hole:** Keep your keys secure and in one place with the dedicated key hole.
5. **Button:** A specialized button feature for various applications.
6. **Awl:** Pierce materials or create holes with the tough, pointed awl tool.

Regular MOQ: 2000 – Bulk Availability

With a minimum order quantity of 2000 units, the JLD-20800 is positioned to meet the demands of large-scale distribution, whether it's for retail, group outings, or corporate gifts. It's a valuable tool that will be appreciated by anyone who understands the importance of readiness and quality.

Purchasing Description:

The JLD-20800 is designed for both everyday carry and the unexpected twists of outdoor adventures. Its multifunctionality is a testament to Sheldon's commitment to quality craftsmanship and innovation. This carabiner tool is an investment in practicality, providing the means to perform various tasks with a single, easy-to-carry device.

For retail buyers, the JLD-20800 is a standout product that combines practical features with aesthetic appeal. Its vibrant blue handle and stealthy black body catch the eye, while its multipurpose capabilities cater to a wide range of customer needs.

Outdoor activity organizers can leverage the JLD-20800 as an essential piece of equipment for their participants, ensuring safety and convenience during climbs, hikes, and camps. The LED light and knife are particularly valuable for night-time or emergency situations.

Corporate entities seeking a unique and functional corporate gift will find the JLD-20800 to be an excellent choice, demonstrating a commitment to quality and thoughtful design.





In conclusion, the OEM Carabiner Hard Key Ring Outdoor Climbing Tool, JLD-20800, represents the pinnacle of Sheldon's manufacturing excellence. With its durable materials, thoughtful design, and multi-use functions, it stands as a beacon of adaptability and resilience in the great outdoors. Purchasing the JLD-20800 is not just acquiring a product; it's embracing an adventure-ready lifestyle where preparedness and functionality are always within arm's reach.

Strength and Function: The Material Makeup of Carabiners

Carabiners are the silent guardians of the climbing world, small but mighty tools that climbers and outdoor enthusiasts trust with their lives. To understand what makes these devices so crucial, it's important to delve into the materials that go into their production and the characteristics that these materials provide. In this exposition, we'll explore the basic knowledge of carabiners, focusing on the materials they're typically made from and why these materials are chosen for their high-stress job.



The Core of Climbing Safety: Carabiner Materials

The integrity of a carabiner hinges on its material. It must be strong enough to withstand forceful impacts, resist wear from repeated use, and endure harsh environmental conditions.

The most common materials used in the production of carabiners are aluminum and steel, each offering unique benefits.

Aluminum Carabiners: Lightweight and Versatile

Aluminum is the favored material for most recreational climbing carabiners due to its excellent strength-to-weight ratio. This means aluminum carabiners can carry a significant load while being light enough not to weigh climbers down. Additionally, aluminum is highly resistant to corrosion, which helps carabiners retain their integrity even when exposed to moist or acidic environments, common in outdoor settings.

Steel Carabiners: Maximum Durability

Steel is renowned for its superior strength and is mostly utilized in industrial, rescue, and heavy rigging applications. Steel carabiners can handle higher loads and are more abrasion-resistant than their aluminum counterparts. However, this comes at the cost of increased weight, making them less desirable for activities where gear weight is a critical factor, such as long multi-pitch climbs or alpine treks.



Specialized Finishes: Enhanced Performance

Carabiners often receive special treatments to enhance their performance:

- **Anodization:** Aluminum carabiners are frequently anodized, a process that thickens the natural oxide layer on the surface of the metal. This treatment increases corrosion resistance and allows for color customization, which can be used for quick identification or personal preference.
- **Galvanization:** Steel carabiners may be galvanized, coating them with a protective layer of zinc to prevent rust. This is particularly useful in environments where the carabiner is exposed to moisture and corrosive elements.

Forging Methods: Shaping Strength

The method by which a carabiner is shaped also impacts its strength and functionality. There are two primary forging methods:

- **Hot Forging:** A process where the metal is heated before it's shaped, allowing for more complex designs and better optimization of material placement. This results in carabiners with improved strength in critical areas and often a lighter overall weight.
- **Cold Forging:** A process involving shaping metal at or near room temperature. Cold forging is more cost-effective and is used to produce carabiners with simpler shapes, which still offer robust strength and functionality.

Carabiner Designs: Material Considerations

The design of a carabiner, from its shape to its gate mechanism, is heavily influenced by the material's properties. For example, steel's strength allows for smaller cross-sectional areas in high-load carabiners, while aluminum's lightness is advantageous in creating larger gate openings without adding extra weight. The choice of material thus informs the balance between ease of use, safety, and portability.

Material Safety Standards: Quality Assurance

Regardless of the material, carabiners must adhere to strict safety standards. Organizations like the International Climbing and Mountaineering Federation (UIAA) and the European Committee for Standardization (EN) set requirements for breaking strength and manufacturing

quality. These standards ensure that, whether made from aluminum or steel, carabiners are reliable safety devices.



In Conclusion

Understanding the materials used in carabiner production is an essential part of selecting the right equipment for your [climbing or outdoor needs](#). Aluminum carabiners offer a lightweight solution, suitable for most climbing applications, while steel carabiners are the workhorses,

used in situations where maximum durability is paramount. Both materials come with specialized finishes to enhance performance and durability. Recognizing the properties and capabilities of these materials ensures climbers can trust their gear, focusing on the adventure at hand with confidence.