

## ROCK CLIMBING EQUIPMENTS

### SLING/LINE:

A Short piece of rope or tape used by the climber of multipurpose use.

- Standard length 8-10 ft.
- Standard diameter 6-8 mm.

Using the same in place of a Harness.

### CARABINERS/SNAP LINK:

Most useful climbing gear. The best one is aircraft quality aluminium alloy. Average breaking strength is about 22Kn – 25Kn.

**Carabiners are two types:** Plain Gate Carabiner and Screw Gate Carabiner.



### ROCK PITON:

Most vital device for Advance Climbing. Normally made up of mild steel, high carbon steel & Nonferrous alloy. Also used in fixed rope.

#### Type of Pitons

- Horizontal piton.
- Vertical piton.
- Oblique or multipurpose piton.
- Channel piton.
- Bong piton



### CHOCK NUT:

The true substitute of "Chock Stone" (See terminology) in Advance Rock Climbing. The device (different shape) made up of aluminum alloy and with a steel cable.

Adventure awaits, go find with -

### FRIENDS:

The Friend Set contains ten of Vertical's Friend cams (smallest to second largest). This set will protect you through the entire range of mid-sized cracks and will suit beginners looking for their first rack.

The Friend is the original camming device, and the "New Friends" have all of the features of the originals, combined with modern updates to make them lighter, more effective, and easy-to-use. The thumb loop is comfortable and secure when placing.



### HELMET:

A form of protective gear worn to protect the head.



### MITTEN:

Gloves which have one section that covers your thumb and another section that covers your four fingers together.



**CHALK BAG:** A small pouch filled with climbing chalk, that is attached to a climber's harness, and the chalk is used for grip.



### HAMMER:

We use the hammer to drive the piton. These should be fairly heavy, about 600 gr. with a long handle and short head. The head made of steel and the handle is either wood or fiber.



### ASCENDER / JUMMER:

Swiss rope climbing device with handgrip, making it possible to go up in a hanging rope. When weight is applied it locks on the rope. A pair is necessary, right hand & left hand. Climbers also used single jummer.



### HARNESS:

Standard device in technical climbing and for maximum protection during climbing. In the event of fall, various straps of the harness distribute the shock and reduce the risk of internal injury.

In rappelling a harness is very much essential for safe descending. During climbing the harness is also necessary.



#### Types of Harness

- Sit Harness.
- Chest Harness.
- Full (body) Harness

### ETRIERS OR STIRRUPS:

Made of rope lines (short rope) and aluminium steps, another essential device for advance rock climbing with 3/4 steps.

The widely used Stirrups are made of only with short piece of rope or tape. The tape Stirrups are stronger and more comfortable, easy to carry.



### Figure of 8 or DESCENDER:

Another useful safety device, made up of aluminium, used for safe descending though it is also being used in some other occasion.

A figure '8' descender is widely used and having a breaking strength of 22Kn -28Kn.



### ROVERSO/ BELAY DEVICE:

REVERSO is a belay device for single or multi-pitch climbing and mountaineering. It allows you to belay your climbing partner, rappel, and use Reverso mode to belay one or two seconds.

The specific design allows the rope to glide smoothly through the device and reduces wear. It is compatible with most rope diameters: single 8.5 to 10.5 mm, half 7.1 to 9.2 mm, and twin 6.9 to 9.2 mm.



### **GRI-GRI+:**

The GRIGRI is a belay device with assisted blocking for belaying both in the gym and at the crag. The cam-assisted blocking function makes belaying more convenient when a climber is working a route or when catching a fall.



The design of the handled camming mechanism enables exceptional descent control. Compact and lightweight, it can be used with all single ropes from 8.5 to 11 mm.

### **DESY CHAIN:**

It is designed to be full strength end to end and the pockets are to hold body weight only. Do not use these pockets to anchor yourself directly to a belay.



### **PA SHOE:**

Modern rock-climbing shoes. (Named after French climber Pierre Allain)



### **LANYARDS:**

Lanyards connect the climber's harness to a carabiner attached to the belay system, ensuring they remain securely tethered during climbing or navigating the ropes course. Types of Lanyards: Single Lanyards: Basic lanyards for connecting a harness to a single belay point.



### **GROUP EQUIPMENT:**

Tent, Cooking Utensils, Walkie Talkie, GPS.

### **PERSONAL EQUIPMENT:**

Trekking Shoes, Trekking Pole, Head Torch, Rucksack, Sleeping Bag, Sleeping Mat.

### **ICE EQUIPMENT:**

Snow Boot, Crampon, Gaiter, Ice Axe, Snow Bar, Snow Goggles, Deadboy / Deadman.

## **NOTES**