



## ROPE ACCESS EQUIPMENT

### PRINCIPAL PARTICULARS

**OWNER** : DEL SEATEK INDIA PVT. LTD.  
**CERTIFICATION STANDARD** : IRATA

A basic rope access kit would typically include the following:

- Helmet
  - Harness
  - Two Cows tails
  - Jumar (ascender)
  - Chest ascender
  - Descender
  - Back-up device
  - Maillon
  - Karabiners
  - Footloop
  - Two single or one double Fall Arrest Lanyard(s)
- Additional connectors, slings, strops and pulleys are required for more advanced rope access manoeuvres, hauling and rescue techniques.

### HELMETS

A helmet is used to provide head protection to the wearer from injury of any type. There are two European standards governing helmets for work at height:

#### **MOUNTAINEERING HELMET – CEN EN 12492**

**European Standard:** [EN 12492:2000](#)

Mountaineering equipment - Helmets for mountaineers - Safety requirements and for test methods

#### **INDUSTRIAL SAFETY HELMET – CEN EN 397**

**European Standard:** [EN 397:1995](#)

Industrial safety helmets

### ASCENDERS

**European Standard:** [EN 567:1997](#)

Mountaineering equipment - Rope clamps - Safety requirements and test methods

### DESCENDERS

**European Standard:** [EN 341:1992](#)

Personal protective equipment against falls from a height - Descender devices

### HARNESSES

Harnesses should be chosen that are suitable for their intended application and should be of a design that will support the user in the correct position. A harness should be comfortable, allowing adequate movement of the user and the unhindered operation of other devices within the system

#### **SIT HARNESS**

**European Standard:** [EN 813:1997](#)

Personal protective equipment for prevention of falls from a height - Sit harnesses

#### **HARNESSES (FALL ARREST)**

**European Standard:** [EN 361:2002](#)

Personal protective equipment against falls from a height - Full body harnesses

#### **CHEST HARNESS**

#### **SLINGS AND STROPS**

#### **COWS TAILS**

**European Standard:** [EN 892:2004](#)

Mountaineering equipment - Dynamic mountaineering ropes - Safety requirements and test methods

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## ROPE ACCESS EQUIPMENT

### BACK-UP DEVICES

**European Standard:** Pr EN 12841

Back-up devices are included within the draft European Standard Rope Adjustment Devices for use in Rope Access

### CONNECTORS

**European Standard:** EN 362:2004

Personal protective equipment against falls from a height – Connectors

### KARIBINERS

A karabiner is a connector, with a spring-loaded entry gate which can be secured in the closed position either manually by a screwed sleeve, or automatically by means of an automatic locking device. A karabiner in which the entry gate is secured manually in the closed position by a screwed sleeve is known as a 'screwgate karibiner'.

### MAILLONS

Also known as a 'maillon rapide', 'quicklink' or 'screwlink connector', a maillon is a connector that is manually secured in the closed position by a threaded sleeve which becomes a load-bearing part of the connector when fully screwed up. Maillons are designed for multi-directional loading and can be used for rigging and personal attachment on a harness.

### FOOTLOOPS

### FALL ARREST LANYARD

**European Standard:** EN 355:2002

Personal protective equipment against falls from a height - Energy absorbers

### PULLEYS

**European Standard:** EN 12278:1998

Mountaineering equipment - Pulleys - Safety requirements and test methods

### ROPES

#### LOW- STRETCH ROPE

**European Standard:** EN 1891:1998

Personal Protective Equipment against falls from a height – Low Stretch Kernmantle Ropes.

**This standard covers two types of rope: A and B. Only type A ropes are recommended for use in rope access and rescue, as they have a higher performance requirement than type B.**

#### DYNAMIC ROPE

**European Standard:** EN 892:2004

Mountaineering Equipment – Dynamic mountaineering ropes – Safety requirements and test methods

**This standard covers three types of rope: single, half and twin. For industrial rope access, the use of 'single' rope with a nominal diameter of 11mm is recommended**

## PROJECT EQUIPMENT (OPTIONAL)

### NDT EQUIPMENT

Ultrasonic Testing Meter  
Cathodic Protection Meter  
Magnetic Particle Unit  
Eddy Current Meter

### CCTV UNIT

### PNEUMATIC TOOLS

Grinder  
Needle Gun

### HAND TOOLS

Hand Wire Brushes  
Hand scrapper Small  
Hand scrapper Large

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