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
- Karibiners
- 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

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
## 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. Mailons are designed for multi-directional loading and can be used for rigging and personal attachment on a harness.

### 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

### 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

#### PNEUMATIC TOOLS
- Grinder
- Needle Gun

#### HAND TOOLS
- Hand Wire Brushes
- Hand scrapper Small
- Hand scrapper Large

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