Low Angle Industrial Rescue Equipment List

March 2023

The following equipment list is representative of the needs of a typical low-angle* industrial rescue team. Not all equipment may be needed depending on the location. *Prices are subject to change without notice and do not include shipping or discounts. Please call for quotes.*

> * Low angle implies that the rescuer(s) and patient are always supported by the surface and any lifting is limited and accomplished using engineered, hand-powered winches or other mechanical advantage systems. High angle rescue involves lifting rescuers and patients using rope systems.

Item	Qty	Vendor	Part #	Retail/Unit	Total
CMC Rope Bags Blue 200'	1	CMC	430202	$91.00	$91.00
CMC Anchor Strap – Small	1	CMC	201022	$56.00	$56.00
CMC Variable Anchor Strap – Blue	1	CMC	201020	$109.00	$109.00
CMC Anchor Strap Sleeve – Small	3	CMC	294032	$39.00	$117.00
CMC Anchor Strap Sleeve – Large	1	CMC	294034	$48.00	$48.00
Petzl ½" Vector Rope Blue 200ft	1	Petzl	R078AA41	$299.95	$299.95
Equipment/Rope Bag Yellow	1	Petzl	S44Y 015	$99.95	$99.95
Petzl Single Sheave Prusik Pulleys	2	Petzl	P60A	$79.95	$159.90
Petzl Paw Rigging plate (Medium, Black)	1	Petzl	G063BA01	$57.95	$57.95
Petzl Rescuecenders (10-13mm)	1	Petzl	B50A	$109.95	$109.95
SKED Board	1	Skedco	SK-200-OR	$665.13	$665.13
Pre-sewn Prusiks Set (8mm)	1	Yates	1483	$33.20	$33.20
Steel Modified D Auto Lock	10	Yates	1773	$28.00	$280.00
Rescue Clip	1	Yates	1116	$30.00	$30.00
				TOTAL	**$2,157.03**

Optional Equipment

Item	Qty	Vendor	Part #	Retail/Unit	Total
Ferno Millennia Backboard	1	CMC	726400	$479.00	$479.00
Ferno Fastrap Quick Restraint System	1	CMC	726477	$189.00	$189.00
CSR2 Pulley System Red	1	CMC	500102	$1,669.00	$1,669.00
Petzl Vertex Helmets	4	Petzl	A010AA0_(Color)	$99.95	$399.80
PIXA 3 Headlamps (black/yellow)	4	Petzl	E78CHB 2UL	$79.95	$319.80
Petzl ID (Large, Red)	1	Petzl	D020BA00	$329.95	$329.95
Spec Pak w/ Lifting Bridle	1	Yates	900	$1,900.00	$1,900.00
				TOTAL	**$5,286.55**

Vector ½ Inch Rope (12.5mm)   Qty: 1 (200-foot lengths)

This 12.5 mm diameter rope was designed to meet the special requirements of rescue teams. The rope features a block-creel kernmantle construction with 100% virgin nylon fiber core and polyester sheath for resistance to acids and other chemicals. The construction ensures superior handling, shape retention, knotability, and all-around performance. This rope is UL certified to NFPA 1983 - 2001 Edition.

Technical Specifications
Minimum Breaking Strength (MBS): 9000 lbf / 40.1 kN
Safe Working Load: 900 lbf / 4.0 kN
NFPA 1983 Rating (01 ed.): G

Petzl Personnel Rope Bucket 15L   Qty: 1

The PERSONNEL is a rugged and lightweight 15 liter backpack. It is made of PVC-free material, and its welded construction provides great strength. It is made for use under difficult conditions, and also has an ID card pocket.

- Weight: 450 g
- Volume: 15 liters
- Height: 45 cm
- Material(s): TPU, polyester
- Color(s): yellow/black

CMC Rope Bags   Qty: 1 (Blue – 200ft)

Rope Bags have been enhanced with innovative features for even greater convenience and ease of use. New contoured backpack-style shoulder straps were redesigned to offer greater comfort when carrying heavy loads. Bag tops incorporate a rugged rip-stop nylon for easy closure. Grab handles secured inside the top can be used to hold the bag open for quicker stuffing or to carry the bag from the top, haul-bag style.

- Reach-in bottom allows bag to be used easily from both ends
- Contoured backpack-style shoulder straps with integrated handle
- Clear-view sleeve for rope I.D. / log information
- Side carry handle allows for easy loading/unloading from apparatus
- Exterior gear loops for attaching carabiners
- Constructed from extra long-life 1,000-denier CORDURA® nylon
- Made in USA

CMC Anchor Strap   Qty: 1 (Small)

These Anchor Straps feature two layers of the same durable mil-spec, resin-coated nylon web. They feature forged steel D-rings individually proof loaded and sized for easy choker (girth-hitch) configuration when desired. Sewn-on web keeper allows for improved organization when stowed.

Strength Specifications for All Sizes:
Basket (U) Configuration:85 kN (19,108 lbf)
End-to-End Configuration: 46 kN (10,341 lbf)
Choker Configuration: 48 kN (10,790 lbf)

CMC Variable Anchor Strap   Qty: 1

A simple adjustable strap with D-rings on each end. Double around a suitable anchor for a quick rigging point or use as a variable length tether.

Strength Specifications with Blue Web:
Basket (U) Configuration: 69 kN (15,511 lbf)
End-to-End Configuration: 18 kN (4,046 lbf)
Choker Configuration: 41 kN (9,217 lbf)

CMC Anchor Strap Sleeve   Qty: 2*

* One - Small and One - Large

Made from tough #4 duck canvas and a layer of vinyl coated polyester, our Anchor Strap Sleeves protect anchor straps from the elements and surface abrasion, reducing wear and tear and increasing safety and service life. Available sizes: S-XL.

Single Sheave Prusik Pulley   Qty: 2

This device is designed for pulley systems and hauling of heavy loads. Suitable for use with a Prusik knot as a progress capture device. Large diameter sheave mounted on sealed ball bearings specially designed for the highest efficiency. Can accept up to 3 carabiners.

Technical specifications :
- Breaking load: 18 kN x 2 = 36 kN.
- Working load: 4 kN x 2 = 8 kN.
- For use with ropes of maximum diameter 13 mm.
- Weight: 310 g
- Individually tested.
- CE EN 12278

Paw Rigging Plate   Qty: 1

Designed for organizing the work position, the design of this plate allows the rigger to create a multiple anchor system very easily. One advantage is that it optimizes the distribution of the forces at the belay point. The Paw is constructed in aluminum, which means that it is light and robust.

Technical specifications :
- Breaking load : 36 kN (8000 pounds).
- Weight: 240 g
- Certified NFPA G and CE
- Holes: 19mm

Rescuecender Rope Grab   Qty: 1

The Rescucender is a compact rope clamp / grab. The user connects directly to the grooved cam, which can slip if overloaded and thus act as a load limiter. The device will slide up the rope unaided, while a simple action will allow it to be moved down the rope. The Rescucender is particularly suitable for lifting heavy loads. As part of a hauling system it operates as an anti-return device.

Technical Specifications
- Rope diameter: 9-13 mm
- Weight: 250 g Individually tested.
Standards: CE EN 567, UIAA

Pre-Sewn Prusik Set   Qty: 1

These pre-sewn prusiks serve a variety of uses in rope systems. Stitched terminations that are wrapped in abrasion-resistant plastic maintain the cord strength and keep your systems neat and clean.

Each set is composed of two prusik loops. A short (16") and a long (22") loop, which are ideal for twin prusik belays.

The dynamic 8mm cord has 5880 lbs MBS.

SKED Board Stretcher   Qty: 1

The original and still the best solution for confined space, high angle or technical rescue, the Sked stretcher is a revolutionary design which provides outstanding patient protection and security. The Sked comes equipped for horizontal or vertical hoisting.

When the patient is packaged the stretcher becomes rigid. The durable plastic provides protection for the patient while allowing extrication through the tightest spaces. The stretcher is rolled for storage in a tough cordura backpack which is included with the system.

Steel Carabiner: (Single Lock Auto)   Qty: 10

This carabiner is a standard on many rescue teams. Made of carbon steel, it has a wide gate opening and can withstand almost anything. Carbon Steel and rated at 10,125 lbf. (45 kN).

This device meets or exceeds ANSI Z 359.1 -1992 and has an NFPA G rating.

Rescue Clip   Qty: 1

Now you can easily attach to anchors and out of reach victims
with the new Rescue Clip. Weighs less than 2 ounces. Made from
stainless spring steel.

The innovative design holds virtually any rescue carabiner in the
open position for attachment to an anchor, rope or harness ring.
To use, simply attach it to any standard extension pole then push
a carabiner into the Rescue Clip. It will now hold your carabiner
open

Optional Equipment

Ferno Millennia Backboard   Qty: 1

The compact tapered design of the Millennia backboard provides
easy maneuverability and storage and has less deflection for
improved patient stabilization.

The sealed construction has high resistance to fluids, chemicals,
and temperature. Ten X-ray translucent, polycarbonate speed-clip
pins allow a variety of strapping configurations. Straps not
included.

Ferno Fastrap Quick Restraint System   Qty. 1

This ten-point, five-strap system quickly and effectively secures patients to backboards and other devices. Color-coded straps are constructed of nylon with hook-and-loop closures.

The Fastrap is adjustable from pediatric to adult and includes a strap for the patient's wrists.

Rescue Helmets - Vertex Best   Qty: 4

This durable helmet provides exceptional levels of comfort and safety. The chin strap decreases the risk of losing the helmet in the event of a fall. Polycarbonate Shell: Resistant to impact and wear (meets EN 397 industrial helmet standard and EN 12492 standard).

Certification(s):
- CE*
- ANSI Z89.1-2009 Type I Class E
- CSA Z94.1-05 Type 1 Class E

PIXA 3   Qty: 4

Multi-beam headlamp suitable for proximity lighting, movement and long-range vision, with CONSTANT LIGHTING technology.

100 lumens

The PIXA 3 headlamp is rugged and versatile. The multi-beam adapts to all situations: close-range work, movement, and long-range vision. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Depending on the need, it may be worn on the head, mounted on the helmet, or placed on the ground. HAZLOC version.
Weight (with batteries): 160 g
CE

ID Descender   Qty: 1

The I'D L self-braking descender is primarily designed for rescue. It has an ergonomic handle that allows comfortable descent control. The integrated anti-panic function and anti-error catch limit the risk of an accident due to user error.

The AUTO-LOCK system allows users to position themselves without having to manipulate the handle or tie off the device. Once locked, the rope can be taken up without having to manipulate the handle.

The safety gate allows the rope to be installed with the device remaining connected to the harness. I'D L is compatible with 12.5 to 13 mm ropes and allows handling of loads up to 280 kg.

Spec Pak   Qty: 1

The Spec Pak may not be needed in some rescue environments.

This patient packaging and extrication system combines the backboard immobilization of a short board with the suspension and support of a full body harness. The Spec Pak system utilizes an integrated polyethylene board along the back to reduce wear and create a smooth sliding surface for confined space operations. Grab handles located at the head, shoulders and sides allow rescuers to better handle the patient package during movement through tight spaces. Extremely useful for any confined space operation where a vertical environment is encountered. In addition, the Spec Pak system is a lifting harness.

Spec Pak is only intended as a limited spinal immobilization system. It must be used in conjunction with proper spinal immobilization such as the use of a cervical collar where conditions and protocols dictate. Weight 15 lbs.

- New chest located D rings (standard Spec Pak only) allow patient to be lifted in semi-fowlers position.
- Meets ANSI/OSHA Class III harness standards
- Includes X Collar universal one size adjustable cervical collar
- Color coded straps make application quick and easy

4:1 Rescue Kit   Qty. 1

The Skedco 4:1 Rescue Kit utilizes the Rescue Hauler, a double pulley, two large steel 'D' carabiners, the required amount of 1/2" PMI static kernmantle rescue rope, and a handy rope bag with a pocket for storing the pre-rigged system. It can be attached to an anchor and ready to use in seconds.

This kit will extend down 25 feet from the anchor. Larger sizes are available.