

**Marlow**<sup>®</sup>

**DEFENCE**



**FOR LIFE  
ON THE EDGE**

**ISSUE 8**

# FAST ROPES

Marlow Ropes designed and developed the original Fast Ropes in conjunction with the British Special Forces. These ropes are now in use by traditional, special forces and SWAT teams in four corners of the globe. Make sure your Fast Ropes include the Marlow 'Black Marker' trademark.

In response to the needs of the special units, we now offer a selection of 3 termination options:

## DYNALITE TERMINATION (DLT)

Significant weight savings over metal terminations. Eliminates risk of injury to personnel on the ground when ropes are released post deployment. No metal parts, eliminating the requirement for X-Ray of termination before re-use. In-house factory spliced. In use with several forces worldwide.



## MULTIFIT TERMINATION (MFT)

Strong and durable. The versatile MFT has been designed to fit a wide range of helicopter cargo hooks and hoist systems. Features a 45mm machined eye allowing fast attachment. Standard conical fittings available on request. MFT available for 40mm only.



## SPLICED EYE (SE)

Polyester protected factory spliced eye. Ideally suited for descent from towers in training situations. Easily hooked over support beams or scaffolding in training.



The unique construction of the Marlow Fast Rope allows comfortable control throughout the descent and makes it easier to slow down and break.

The suppleness of the material means that the rope is not hard on the hands as less force is required than with other ropes. Oil and general spillage do not affect the speed of descent as Marlow Fast Ropes absorb liquids.

• A firm version of the Fast Rope is also available, for improved abrasion resistance.

## FAST ROPES STANDARD 40MM

### STANDARD SPECIFICATIONS

DIAMETER (mm)	LENGTH (m)	DLT PART NUMBER	DLT NSN	SE PART NUMBER	MFT PART NUMBER	MFT NSN
40	12.2	TAS079	4020-99-895-4343	TAS010	TAS054	4020-99-277-6212
40	15.2	TAS086	4020-99-242-9307	TAS025	TAS055	4020-99-338-4843
40	18.3	TAS074	4020-99-743-0451	TAS011	TAS056	4020-99-297-6895
40	27.4	TAS071	4020-99-896-0900	TAS012	TAS057	4020-99-159-1677
40	36.6	TAS085	4020-99-134-8518	TAS013	TAS068	-

## FAST ROPES STANDARD 40MM HW HEAVY WEIGHT

Heavy weight version of the standard fast rope. Weight inserts aid deployment from larger helicopters and maintain rope stability even with strong updraft and turbulence.

### HW SPECIFICATIONS

DIAMETER (mm)	LENGTH (m)	DLT PART NUMBER	DLT NSN
40	12.2	-	-
40	15.2	-	-
40	18.3	TAS129	4020-99-816-7775
40	27.4	TAS139	4020-99-702-5793
40	36.6	-	-

## FAST ROPES 32MM

The 32mm version is a thinner nominal diameter, specifically designed for Asian forces and already in use in several countries.

### 32mm SPECIFICATIONS

DIAMETER (mm)	LENGTH (m)	DLT PART NUMBER	SE PART NUMBER
32	12.2	TAS102	-
32	15.2	TAS153	TAS133
32	18.3	TAS120	TAS126
32	27.4	TAS119	TAS116
32	36.6	TAS115	TAS141



1



2



3



## FAST ROPE QRM QUICK RELEASE MECHANISM

Designed for the release of fast ropes in case of emergency. Three types of slots as standard for helicopter winch to suit all hook types. Wide passage to use all types of fast ropes. Push button release system fitted with safety pin. It can also be used with metal terminations.

### SPECIFICATIONS

	WEIGHT (kg)	MATERIAL	PART NO.
1	1.6	ALUMINIUM ALLOY	GTM 010
2	1.6	ALUMINIUM ALLOY	GTM 011
3	1.6	ALUMINIUM ALLOY	GTM 012

## FAST ROPE RACK LANYARDS

Available with or without quick out link mechanism -The quick out link option gives a quicker and faster release.



## FRR (FAST ROPE RACK)

Marlow's Fast Rope Descenders can be used in conjunction with Marlow's 32mm and 40mm fast ropes to aid the rapid insertion of units. This innovative device is easy to install and ideal when descending with heavy equipment and/or untrained personnel. Supplied in Marlow Tactical storage bag and available with adjustable lanyards and an optional quick release.



### SPECIFICATIONS

WEIGHT (kg)	MATERIAL	WORKING LOAD LIMIT (kg)	DIMENSIONS (mm)	SUITABLE FOR
0.98	STAINLESS STEEL WITH HARD WEARING BLACK OXIDE FINISH	250	340 X 105 X 45	40MM ROPE
0.87	STAINLESS STEEL WITH HARD WEARING BLACK OXIDE FINISH	250	300 X 90 X 45	32MM ROPE

## FAST ROPE RACK POSITIONER

The positioning device will maintain the descender in place enabling personnel to attach themselves to one leg of the lanyard as well having the time to attach any equipment, a dog or second person.

WEIGHT - 0.4KGS



# INSERTION & EXTRACTION

## F.R.I.E.S (FAST ROPE INSERTION & EXTRACTION SYSTEM)

Marlow Ropes designed and developed the original multi use product for rapid deployment and retrieval, reducing the risk to helicopters and personnel. Each Marlow F.R.I.E.S can carry 6 fully equipped personnel with it's loop and lanyard system and can also be used as a regular Fast Rope. F.R.I.E.S. are available with the same termination options as the standard Fast Ropes (page 4).



### F.R.I.E.S SPECIFICATIONS

DIAMETER (mm)	LENGTH (m)	DLT PART NUMBER	SE PART NUMBER	MFT PART NUMBER
40	12.2	TAS084	TAS029	TAS060
40	18.3	TAS091	TAS022	TAS062
40	27.4	TAS078	TAS032	TAS061
40	36.6	TAS103	TAS058	TAS069

## SPIE LANYARD



New for 2021, this product has been designed for use with the Marlow FRIES or SPIE Ropes for personnel to hook up to a dorsal D ring (1 person load).\*

Made from polyester webbing and supplied with a Captive eye 3 way aluminium Karabiner.

### SPECIFICATIONS

COLOUR	LENGTH (inches)	LENGTH (cm)	STRENGTH (kN)	KARABINER SIDE LOAD STRENGTH (kN)
OLIVE	22	56	22	16

\* Certified to EN354 2010, EN566 2017, EN795 2012B and PD CEN/TS 16415:2013 (2 person load).

# N SYSTEMS

## S.P.I.E (SPECIAL PATROL INSERTION & EXTRACTION)

Marlow's extraction system has been designed for the transportation of a larger number of personnel with increased safety. Higher strength to accommodate greater number of personnel (10 to 12 as standard). Two loop integrated colour coded safety system for all personnel. One yellow loop for easy retrieval. Spliced eye termination.

### S.P.I.E SPECIFICATIONS

DIAMETER (mm)	LENGTH (m)	SE PART NUMBER
28	27.4	TAU011
28	40	TAU014



## S.P.I.E WPX

Marlow's floating extraction system allows easier retrieval from waterborne operations. Designed to carry 10 to 12 personnel. Two loop integrated colour coded safety system for all personnel. One yellow loop for easy retrieval. Hard wearing. The main rope has been designed for low shock loads. Spliced eye termination.

### S.P.I.E WPX SPECIFICATIONS

DIAMETER (mm)	LENGTH (m)	SE PART NUMBER
30	18.3	TAU016
30	27.4	TAU015
30	40	TAU013



## S.P.I.E DPX

Marlow's innovative system is a light-weight and super strong extraction rope ideal for waterborne operations. Designed to carry 10 to 12 personnel. Two loop integrated colour coded safety system for all personnel. One yellow loop for easy retrieval. High strength and lightweight. Good resistance to chemicals and UV. Floats, allowing significantly easier retrieval from waterborne operations. Spliced eye termination.

### S.P.I.E DPX SPECIFICATIONS

DIAMETER (mm)	LENGTH (m)	SE PART NUMBER
20	27.4	TAU010
20	40	TAU012



# RAPELLING & CLIMBING ROPES

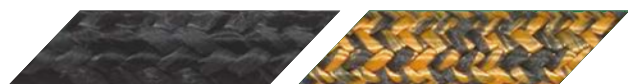


## POLYESTER ABSEIL ROPE (BLACK MARLOW)

Known world wide as 'Black Marlow', Marlow Abseil rope has been tested and used by forces around the world. Specifically designed for rapid descent from helicopters, rock faces and in urban warfare situations, the combination of special cover construction and low stretch core ensures high performance and reliability. The high tenacity plaited cover also ensures comfortable handling, excellent abrasion resistance and durability.

### ABSEIL ROPE SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g/m)	LENGTH (m)	COLOUR	CE CERTIFIED	NSN	AV STATIC STRENGTH (kN)
9	67	100	BLACK	-	-	20.3
11	95.4	61	BLACK	MR 10-81	4020-99-543-9005	30.8
11	95.4	61	WHITE	MR 10-81	4020-99-545-7741	30.8
11	95.4	200	BLACK	MR 10-81	4020-99-555-4449	30.8
11	95.4	220	BLACK	MR 10-81	4020-99-789-3539	30.8



## DIABLO STATIC ROPES

Marlow Diablo is a high quality rope with a special heat resistant cover. This rope has been designed for abseiling as rapid descents can in some cases melt the fibres of regular ropes. Diablo remains supple in use and is available in 2 colour options as standard.

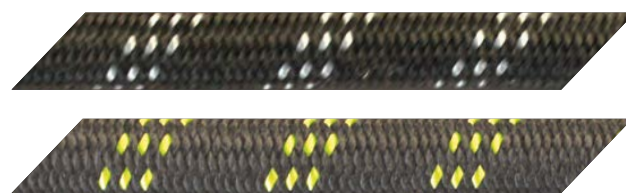
### DIABLO ROPE SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g/m)	LENGTH (m)	COLOUR	CE CERTIFIED	NSN	ELONGATION (%)	FALLS (FIG 8)	PEAK FORCE FIG 8 (kN)	AV STATIC STRENGTH (kN)
11	82.5	61	BLACK	EN1891 TYPE A	4020-99-154-1423	3.4	6	5.64	35.5
11	82.5	200	BLACK	EN1891 TYPE A	4020-99-364-1340	3.4	6	5.64	35.5

## PROTEC 500

The ProTec 500 is a new CE Certified EN1891 Type A 11mm Aramid rope with a 100% Technora® cover, essential for all professionals who require a rappelling rope with outstanding heat resistant properties. Ideal for power ascenders.

Colours available: grey with lime fleck or light grey fleck.



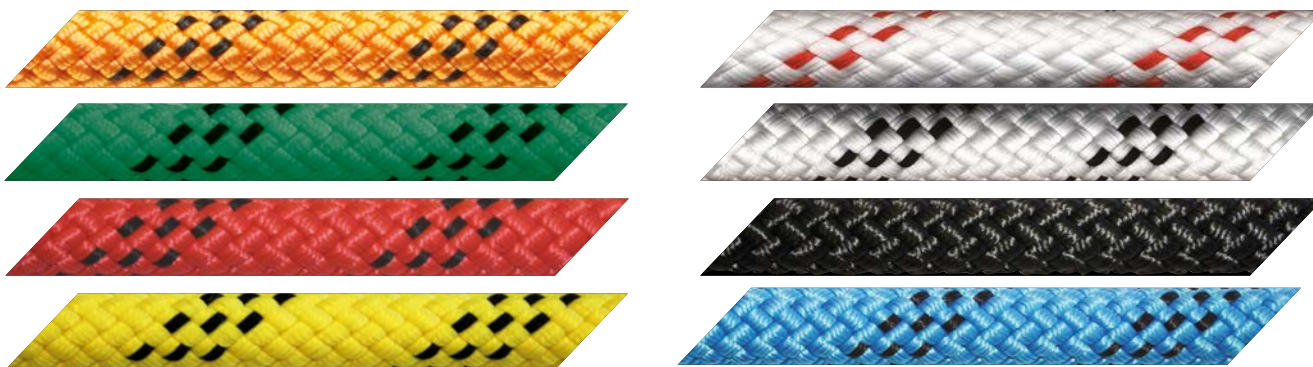
### PROTEC 500 SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g/m)	LENGTH (m)	CE CERTIFIED	AV.BREAKLOAD (kN)	AV. BREAKLOAD WITH FIG 8 KNOT (kN)	STATIC ELONGATION (%)	IMPACT FORCE (kN)
11	83.0	100,200	EN1891 TYPE A	49.1	24.4	3.0	5.31



## STATIC ROPES

Marlow Static are low stretch kernmantle ropes designed for rope access and abseiling. Marlow Static ropes are compatible with most rope management devices and come with a visible year of manufacture marker as standard.



### STATIC ROPE SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g/m)	LENGTH (m)	CE CERTIFIED	ELONGATION (%)	FALLS (FIG 8)	PEAK FORCE FIG8 (kN)	AV STATIC STRENGTH (kN)
9	53.0	50, 60, 100, 200	EN1891 TYPE B	3.3	>6	4.6	25.4
10.5	67.2	50, 60, 100, 200	EN1891 TYPE A	2.0	>10	5.6	33.4
11	73.8	50, 60, 100, 200	EN1891 TYPE A	2.4	>10	5.8	35.3
12	90.3	50, 60, 100, 200	EN1891 TYPE A	1.9	>10	5.5	42.8

Colours available: white with black or red flecks, solid black, solid red, solid blue, solid yellow, solid green, hi-vis orange and white.

## BLUE OCEAN® STATIC



NEW to Marlow's range for 2021, this 11mm rope is made from 100% trademarked Blue Ocean® yarn. Providing a much lower elongation than conventional static ropes.

### SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g/m)	LENGTH (m)	CE CERTIFIED	ELONGATION (%)	FALLS (80kg, FIG 8)	PEAK FORCE FIG8 (kN)	AV STATIC STRENGTH (kN)
11	95.2	100, 200	CE MR1081 AND NFPA 1983:2017	1	5	6.6	15



## DYNAMIC CLIMBING ROPES

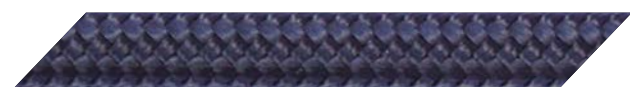
A combination of good handling and abrasion resistance makes these ropes ideal for climbing as well as a safety line when abseiling or work positioning.

Colours available: red, solid black, olive drab, orange and blue.

\* Minimum order quantities may be required.

### DYNAMIC SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g/m)	LENGTH (m)	CE CERTIFIED	STATIC ELONGATION (%)	HELD FACTOR 1.78 FALLS	IMPACT FORCE (kN)
10.5	70	100, 200	EN892	8	7	8
11	78	100, 200	EN892	8	11	8



## ACCESSORY CORD

Stong nylon core offers ideal performance in a variety of applications.

### SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g/m)	COLOUR	CE CERTIFIED	MIN BREAKLOAD (kN)
3	5.6	BLACK	-	1.8
4	10.3	BLACK	EN564	3.2
5	14.2	BLACK	EN564	5.0
6	22.7	BLACK	EN564	6.0
7	31	BLACK	-	9.8
8	37.9	BLACK	EN564	12.8

# HARDWARE

## BLACK LINE



### GOLDEN TOP EVO ALU BLACK HARNESS

Full body harness for suspension and work positioning activities. Steel components with Speedy buckles on the leg loops. Five attachment points: two front, one back, two side. Available with Golden Chest attachment as shown at point B and below. CE certified to standard EN 358 - EN 361 - EN 813 and EAC.

#### SPECIFICATIONS

SIZE	BELT (cm)	LEG (cm)	CHEST (cm)	WEIGHT (g)
S - LARGE	70-110	45-65	55-75	1750
L - XXL	80-130	55-75	65-85	1880



### TITAN BLACK

#### SPECIFICATIONS

SIZE	WEIGHT(g)	CIRC. (cm)	CE CERTIFIED
S	385	48- 56	EN 12492
L	435	54-62	EN 12492



### SKYLOR PLUS BLACK

#### SPECIFICATIONS

WEIGHT (g)	CIRC. (cm)	CE CERTIFIED
495	55 - 62	CE EN 397



### LIBERTY BLACK

A lightweight and compact sit harness. Three attachment points: one front, two side. Designed to be used in combination with the Golden Chest, equipped with one front attachment point, for a full body fall arrest harness. CE certified to EN 358 - EN 813 and EAC.

#### SPECIFICATIONS

SIZE	BELT (cm)	LEG (cm)	WEIGHT (g)
S - L	70-110	45-65	1150
L-XXL	80-130	55-75	1250



### DRUID BLACK

A lightweight, compact auto-braking descender for rope access and rescue designed for semi-static ropes ranging from 10-11 mm. The internal mechanism and locking cam use a patented design for smooth action on the rope which prevents rapid wear-and-tear and absorbs energy from small shocks with a slight amount of rope slippage.

#### SPECIFICATIONS

WEIGHT (g)	STRENGTH (kn)	CE CERTIFIED
280	15	EN 12841/C, EN 15151/1



### GOLDEN CHEST

Ergonomic padded chest harness can be used to convert the Liberty sit harness into a full body fall arrest harness. Front sternal attachment point. CE certified to standard EN 361 and EAC.

#### SPECIFICATIONS

SIZE(cm)	WEIGHT (g)
55-85	540



### I-BLOCK EVO BLACK

#### SPECIFICATIONS

WEIGHT (g)	STRENGTH (kn)	CE CERTIFIED
430	15	EN 12841/C, EN 341/2A

Auto-braking single rope descender with two locking positions.





## GIANT BLACK

An innovative multifunctional descender developed to meet the demands of the most technical rope access and rescue specialists. The patented internal mechanism combines with robust hot-forged construction and advanced ergonomics for exceptional control even with heavy loads (up to 250 kg for two person scenarios).

### SPECIFICATIONS

WEIGHT (g)	STRENGTH (kn)	CE CERTIFIED
540	20	EN 12841/C, EN 15151/1



## OVAL XL LOCK BLACK

### SPECIFICATIONS

HEIGHT (mm)	WIDTH (mm)	GATE OPENING (mm)	MAJOR AXIS (kN)	MINOR AXIS (kN)	OPEN GATE (kN)	CE CERTIFIED
110	62	20	28	11	7	EN 12275, EN - 362



## ATLAS LOCK

### SPECIFICATIONS

HEIGHT (mm)	WIDTH (mm)	GATE OPENING (mm)	MAJOR AXIS (kN)	MINOR AXIS (kN)	OPEN GATE (kN)	LOCK TYPE	CE CERTIFIED
120	68	22	40	10	13	TWIST LOCK EVOLUTION, KEY LOCK	EN 362 - EN 12275



## ATLAS 2 LOCK

### SPECIFICATIONS

HEIGHT (mm)	WIDTH (mm)	GATE OPENING (mm)	MAJOR AXIS (kN)	MINOR AXIS (kN)	OPEN GATE (kN)	LOCK TYPE	CE CERTIFIED
120	68	22	40	10	13	TWIST LOCK EVOLUTION, KEY LOCK	EN 362 - EN 12275



## ATLAS 3 LOCK

### SPECIFICATIONS

HEIGHT (mm)	WIDTH (mm)	GATE OPENING (mm)	MAJOR AXIS (kN)	MINOR AXIS (kN)	OPEN GATE (kN)	LOCK TYPE	CE CERTIFIED
120	68	22	40	10	13	TWIST LOCK EVOLUTION, KEY LOCK	EN 362 - EN 12275



## HMS BELAY LOCK

### SPECIFICATIONS

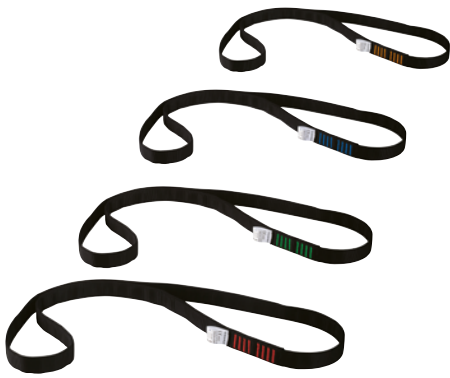
HEIGHT (mm)	WIDTH (mm)	GATE OPENING (mm)	MAJOR AXIS (kN)	MINOR AXIS (kN)	OPEN GATE (kN)	LOCK TYPE	CE CERTIFIED
113	77	23	23	10	7	SCREW GATE KEY LOCK	EN 362 - 12275



## HMS LOCK

### SPECIFICATIONS

HEIGHT (mm)	WIDTH (mm)	GATE OPENING (mm)	MAJOR AXIS (kN)	MINOR AXIS (kN)	OPEN GATE (kN)	LOCK TYPE	CE CERTIFIED
116	73	22	25	8	8	SCREW GATE KEY LOCK	EN 362 - 12275



## TRUCK LOOP BLACK

High strength anchor loops constructed from 28 mm polyamide webbing covered with a tubular webbing sheath that protects the structural webbing from abrasion or exposure to other hazards. Color coded stitching for each length of Truck Loop: 60 cm orange, 80 cm blue, 120 cm green, 160 cm red.

### SPECIFICATIONS

LENGTH (mm)	WEIGHT (g)	STRENGTH (kN)	CE CERTIFIED	ANSI	EAC
600	110	45	-	-	-
800	140	45	-	-	-
1200	200	45	-	-	-
1600	270	45	-	-	-



## GOBLIN BLACK

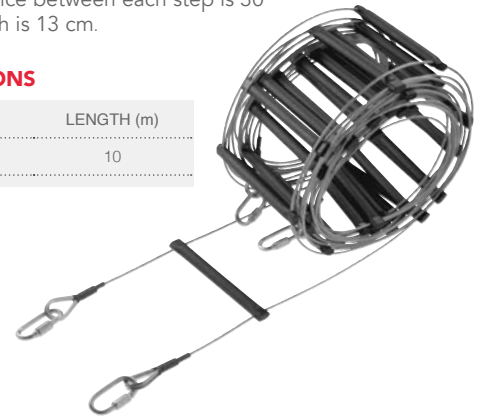
The Goblin fall-arrester represents a monumental step forward in safety for personnel who rely on fall arrest systems.

## CABLE LADDER

This 10 meter steel cable ladder with 33 steps is constructed from 3 mm galvanized steel cable with a breaking strength of 8.5 kN. The distance between each step is 30 cm. Step width is 13 cm.

### SPECIFICATIONS

WEIGHT (g)	LENGTH (m)
2300	10



### SPECIFICATIONS

WEIGHT (g)	RESCUE USE (kg)	CE CERTIFIED	ANSI	EAC
280	200	EN 12841/A-B, EN 352/2	Z359.1	EAC



## OTTO WINGS

Large "figure eight" descender with extensions for tying off.

### SPECIFICATIONS

SIZE	WEIGHT (g)	STRENGTH (kN)
STANDARD	280	36



## OTTO BLACK

Aluminium alloy "figure eight" descender.

### SPECIFICATIONS

SIZE	WEIGHT (g)	STRENGTH (kN)
STANDARD (L)	110	25
LARGE (R)	130	30



## TURBOHAND BLACK

The Turbohand ascender uses proprietary technology and cutting edge design to make climbing ropes safer, faster and easier.

### SPECIFICATIONS

DIAMETER (mm)	WEIGHT (g)	CERTIFICATION
3.5	185	EN 12841/B FOR SEMI-STATIC ROPES 10-13mm, EN 567 FOR SEMI-STATIC & DYNAMIC ROPES 8-13mm

**MARLOW DISTRIBUTE THE FULL RANGE OF CAMP HARDWARE AND ACCESSORIES. CONTACT US FOR FURTHER INFORMATION ON ITEMS NOT LISTED IN THIS BROCHURE.**

# ACCESSORIES



## MARLOW FAST ROPING GLOVES

Kevlar® lined cowhide leather glove with a split leather palm for improved grip, durability, insulation and heat resistance when fast roping. The Neoprene and leather cuff provides a secure fit with a spandex/elastane stretch back adding comfort and flexibility.

### SPECIFICATIONS

COLOUR	SIZE	NSN.
BLACK	MEDIUM (9)	8415-99-574-1793
BLACK	LARGE (10)	8415-99-269-5262
BLACK	X LARGE (11)	8415-99-753-7502



## KEVLAR® FAST ROPING GLOVES

Manufactured from reinforced leather with wool lining and Velcro wrist adjustment. Kevlar® lined palms provide further wear and heat resistance when fast roping.

### SPECIFICATIONS

COLOUR	SIZE	NSN.
BLACK	MEDIUM (9)	8415-99-833-0147
BLACK	LARGE (10)	-
BLACK	X LARGE (11)	-



## ABSEIL GLOVE

Manufactured from water resistant leather with goat skin reinforcement to palm and thumb.

### SPECIFICATIONS

COLOUR	SIZE
BLACK	MEDIUM (9)
BLACK	LARGE (10)

## FAST ROPE STORAGE BAG

Marlow's rope storage bag will keep your fast ropes clean, dry and UV protected. Suitable for Fast Ropes from 12.2 metres (40 Feet) to 27.4 metres (90 Feet) with a twin zipper for easy access.



### SPECIFICATIONS

DIMENSIONS (cm)	MATERIAL	CAPACITY (m)	PART NO.
100 X 40 X 30	1000 DENIER PVC MESH, NYLON WEBBING	12.2 - 27.4	FAA 135
112 X 40 X 30	1000 DENIER PVC MESH, NYLON WEBBING	36.6	FAA 136



## CAMP CARGO BACK PACK

Top load 40 liter backpack constructed from robust Tarpaulin PVC 500D. Top lid features inner zip pocket. Metal hook buckle closure with internal pull cord. Padded shoulder straps. Transparent label pocket. Loops for fixing rope ends. Hauling handle for loads up to 50kg

### SPECIFICATIONS

CAPACITY (Ltr)	PART NO.	NSN.
40	FAA 114	-



## FAST ROPE BACK PACK

Manufactured with back pack straps and padded back section for easy solo carrying. The bag has strong handles for manoeuvring and compression straps to secure the internal load and position weight. When deployed an internal clip attaches the bag to the end of the rope. Available in black premium 1000 denier material.

### SPECIFICATIONS

CAPACITY (m)	PART NO.	NSN.
12.2 & 18.3	FAA 114	-
27.4 & 36.6	FAA 115	8465-99-489-1635



## ABSEIL LEG BAG

Available in three sizes to accommodate 100m, 61m or 30m of 11mm rope, the simple design allows for easy rope stowage and kink free deployment, making rapid descent as trouble free as possible. Available in black premium 1000 denier material.

### SPECIFICATIONS

CAPACITY (m)	DIAMETER (mm)	HEIGHT (mm)	PART NO.
100	220	600	FAA 118
61	222	360	FAA 117
30	150	360	FAA 116



## ROPE BAG

This rope bag has been designed for use with abseil and intervention ropes between 9-12mm in diameter

### SPECIFICATIONS

MAXIMUM CAPACITY (m)	COLOUR	PART NO.
61	BLACK	FAA 119





# Marlow®

Other brochures available:

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- Lifting and Renewables •
- Defence •
- Vehicle Recovery •
- Leisure Marine •
- Rope Access & Rescue •



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