Hardware

2-End Lanyard
- 1/2" 3-strand twisted polyester
- Locking snap hook on both ends
- Non-adjustable

B1AB3833	3'	**B1AB3836**	6'
B1AB3834	4'	**B1AB3837**	10'
B1AB3835	5'		
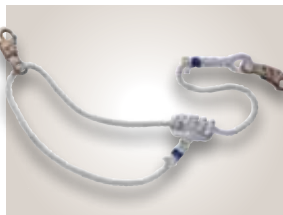
3-Strand Adjustable Lanyard
- 1/2" 3-strand polyester
- Locking snap hook each end

B1AB3846	Adjusts from 3' - 6'

Double-Braid Adjustable Lanyard
- 1/2" double-braid polyester
- Locking snap hook each end

B1AB180	Adjusts from 3' - 6'
B1AB188	Adjusts from 4' - 9'
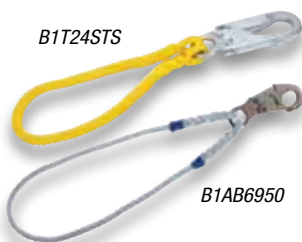
2-in-1 Safety Lanyard
- 1/2" 3-strand twisted polyester
- Locking snap hook each end
- Includes prusik loop

B1AB6890	10'

B1T24STS

B1AB6950

Prusik Snaps
- 3/8" 12-strand Samthane coated Tenex
- 24" long for extra wraps
- Locking snap hook rated to 5,000 lbs.
- 15/16" gate opening

B1T24STS	24"

- 1/2" 3-strand twisted nylon
- 20" long
- Locking snap hook

B1AB6950	20"

Flipline

Fliplines are yet another improvement over the traditional rope lanyard. Our fliplines have a locking snap on one end and a fixed eye on the other. Used in combination with the a twisted clevis and mechanical ascender, the climber can easily tighten the slack in the line with one hand while climbing. Our fliplines are available in 1/2" 16-strand Hi-Vee line from New England Ropes and 1/2" and 5/8" Steel Core from Pelican Rope Works. These fliplines are designed to meet the demands of any professional arborist.

- 1/2" 16-strand Braided Safety Blue Hi-Vee
- Blue safety core acts as a wear and damage indicator warning
- Abrasion resistant
- Extended useful life
- Locking snap hook and rubber boot at ends
- Use with Gibbs #3 Ascender (B1ABG3/B1ABG3S) or Petzl (B1ABB53/B1ABB54)

NEW ENGLAND ROPES

B1ABFL08

B1ABFL08	8'
B1ABFL10	10'
B1ABFL12	12'

B1AB1306

B1AB1308K

Wire Core Flipline

Our wire core lanyards have a bright, tightly braided 16-strand polyester cover over flexible heavy-duty galvanized aircraft cable. Certain sizes are available as kits and contain the lanyard, swivel snap, rope clamp, and carabiner.

- Abrasion resistant
- Extended useful life
- Locking swivel snap hook and galvanized thimble at ends
- Kits includes rope clamp and carabiner

Product No.	Part Name	Dia.	Length
B1AB1306	Wire Core Flipline	1/2"	6'
B1AB1308	Wire Core Flipline	1/2"	8'
B1AB1310	Wire Core Flipline	1/2"	10'
B1AB1312	Wire Core Flipline	1/2"	12'
B1AB1308K	Wire Core Flipline Kit	1/2"	8'
B1AB1310K	Wire Core Flipline Kit	1/2"	10'

Product No.	Part Name	Dia.	Length
B1AB1312K	Wire Core Flipline Kit	1/2"	12'
B1AB306	Wire Core Flipline	5/8"	6'
B1AB308	Wire Core Flipline	5/8"	8'
B1AB310	Wire Core Flipline	5/8"	10'
B1AB312	Wire Core Flipline	5/8"	12'

Hardware

Lanyards

Fixed Axle Rope Clamps

This cam-loaded rope clamp features a bolted axle that eliminates risk of accidentally undoing the system; one of the ends of the rope must pass through it in order to attach to the line. It is perfect for use in semi-permanent applications.

B1ABB53

B1ABB52

Removable Axle Rope Clamps

This cam-loaded rope clamp features a removable axle and can be used to install or remove the clamp at any point on the rope. This is perfect for temporary setups that need to be installed and uninstalled frequently. The included locking pin reduces the risk of undoing the system accidentally.

B1ABB54

B1ABG45

PETZL®

Product No.	Part Name	Diameter
B1ABB53	Micrograb	3/8" - 1/2" (9mm - 13mm)
B1ABB52	Macrograb	1/2" - 3/4" (12mm - 19mm)
B1ABB54	Microcender	3/8" - 1/2" (9mm - 13mm)
B1ABG45	Macrocender	1/2" - 3/4" (12mm - 19mm)

Micrograb Repair Kit
Repair kit for our B1ABB53.

B1ABB53RK

Microcender Repair Kit
Repair kit for our B1ABB54.

B1ABB54RK

Buckingham Woven Nylon Strap
- Extremely pliable
- Center layers contrasting color for visual indicator of excess wear
- Friction buckle for easy adjustment

B1AB496099E
1-3/4" Adjusts from 4' - 6'

B1AB497099E
1-3/4" Adjusts from 4' - 7'

Buckingham Nybuck Strap
- Edges permanently sealed to prevent moisture penetration
- Center layers contrasting color for visual indicator of excess wear
- Tongue buckle for maximum security

B1AB386099E
1-3/4" Adjusts from 4' - 6'

B1AB388099E
1-3/4" Adjusts from 4' - 8'

Positioning Strap
- Fall arrest protection up to 1,800 lbs.
- Complies with ANSI A10.32-2004

B1AB3307   1"   10'

Hardware

PETZL®

GRIGRI 2 Belay Device

The GRIGRI 2 belay device with assisted braking capability is designed to facilitate belay maneuvers. It works equally well for lead climbing and top-roping. It may be used on all single dynamic 8.9 to 11 mm (3/8" - 7/16") ropes on the market. Both compact and ultra-light, the GRIGRI 2 will accompany you on climbs around the world for many years and has a new design that allows excellent control during the descent.

B1ABD142G

Grillon Hook

The Grillon (pronounced gree-yawn) is the most advanced positioning lanyard that we have. Like traditional rope clamps and ascenders, this device allows the climber to take up slack quickly and easily with one hand. The breakthrough is that it allows the climber to release the line in a controlled manner, even under tension. This self-braking descender has a pivoting cam that feeds the lanyard as necessary, but grips when a load is applied. In addition, there is a handle that allows a controlled release of line even under tension. Not to be used on wire core lines.

B1ABL52H003   Dia.: 10.5mm   Length: 9'   Construction: semi-static

Photo: © J Evans/Petzl

Hardware

Climbing Carabiners

These carabiners/attachment tools meet ANSI Z133.1 standards for climbing and life support. These tools are also extremely useful for other tasks including light-duty rigging, tool attachment and storage, line redirection, and many others.

Am'D Ball
Lock: Ball
Material: Aluminum
Major axis: 6295 lbs
Gate opening: 15/16"
ANSI CE

B1ABM18

Am'D Triact
Lock: Triact
Material: Aluminum
Major axis: 6295 lbs
Gate opening: 15/16"
ANSI CE

B1ABM34TL

William Ball
Lock: Ball
Material: Aluminum
Major axis: 5620 lbs
Gate opening: 7/8"
ANSI CE

B1ABM25

William Triact
Lock: Triact
Material: Aluminum
Major axis: 5620 lbs
Gate opening: 13/16"
ANSI CE

B1ABM36TL

Rescue Twist
Lock: Twist
Material: Aluminum
Major axis: 6744 lbs
Gate opening: 1-1/16"
ANSI CE

B1AB912

Rescue Twist
Lock: Twist
Material: Steel
Major axis: 11,240 lbs
Gate opening: 1-1/16"
ANSI CE

B1AB412

H.M.S.
Lock: Twist
Material: Aluminum
Major axis: 5000 lbs
Gate opening: 15/16"
ANSI CE

B1AB962

Fixed Eye
Lock: Triple
Material: Aluminum
Major axis: 5620 lbs
Gate opening: 7/8"
ANSI CE

B1AB85221

Triple D
Lock: Triple
Material: Aluminum
Major axis: 6070 lbs
Gate opening: 7/8"
ANSI CE

B1AB85250

High Density Roller
This high density roller is designed for use with our Weaver floating dee and Buckingham saddles. It eliminates virtually all wear on the suspension strap while providing easier and more consistent side-to-side movement. 2" W x 1-1/2" diameter. It is perfect for the Petzl William. Carabiner not included.

B1ABM20R

Hardware

Accessory Carabiners

These carabiners/attachment tools DO NOT meet ANSI Z133.1 standards for climbing or life support. They are extremely useful for other tasks including light-duty rigging, tool attachment and storage, line redirection, and many others.

Am'D Screw
Lock: Screw
Material: Aluminum
Major axis: 6295 lbs
Gate opening: 1"
CE

B1ABM34SL

William Screw
Lock: Screw
Material: Aluminum
Major axis: 5620 lbs
Gate opening: 13/16"
CE

B1ABM36SL

Attache
Lock: Screw
Material: Aluminum
Major axis: 5171 lbs
Gate opening: 13/16"
CE

B1ABM20

Spirit
Lock: None
Material: Aluminum
Major axis: 5171 lbs
Gate opening: 13/16"
CE

B1ABM15

Caritool - Standard
Lock: None
Material: Plastic
Major axis: 11 lbs
Gate opening: 3/4"

B1ABP42

Caritool - Large
Lock: None
Material: Plastic
Major axis: 33 lbs
Gate opening: 1-3/4"

B1ABP42L

Paddle
Lock: None
Material: Aluminum
Major axis: 5000 lbs
Gate opening: 1-1/4"
CE

B1AB266

Paddle Wire
Lock: None
Material: Aluminum
Major axis: 5000 lbs
Gate opening: 1-1/4"
CE

B1AB901

REGULATION

ANSI Z133.1-2006 (8.1.11) - Carabiners used in climbing shall be self-closing and self-locking, with a minimum tensile strength of 5,000 pounds (22.24 kN). Carabiners shall be designed to release the load by requiring at least two consecutive, deliberate actions to prepare the gate for opening.

(Copyright International Society of Arboriculture. Used with permission.)

Speed Line
Lock: None
Material: Stainless
Major axis: 5395 lbs
Gate opening: 1-1/16"
CE

B1AB563

Rescue Screw
Lock: Screw
Material: Stainless
Major axis: 11240 lbs
Gate opening: 1"
CE

B1AB411

Hardware

Accessory Connectors

These carabiners/attachment tools DO NOT meet ANSI Z133.1 standards for climbing or life support. They are extremely useful for other tasks including light-duty rigging, tool attachment and storage, line redirection, and many others.

Delta Link
Lock: Screw
Material: Stainless
Major axis: 5620 lbs
Gate opening: 7/16"
CE

B1ABP11

Quick Link
Lock: Screw
Material: Stainless
Major axis: 6000 lbs
Gate opening: 3/16"

B1ABQL06

Gate opening: 5/16"

B1ABQL10

Twist Clevis
Lock: Screw
Material: Stainless
Major axis: --
Gate opening: 5/8"

B1ABK1610
Gate opening: 13/16"

B1ABK1612

Leash Swivel Snap
Lock: --
Material: Bronze
Major axis: 500 lbs
Gate opening: --

B1AB2232

Swivel
With the addition of this handy accessory from Petzl, your line will never get twisted again. The Swivel's sealed ball bearings and meticulous design make this a valuable addition for any climber. The Swivel is available in two sizes. The large can be used in light-duty rigging applications.

B1ABP58S	Petzl Swivel - small
B1ABP58L	Petzl Swivel - large

Snap Hooks

These snaps meets ANSI Z133.1 standards for climbing or life support.

Locking Snap
Lock: Self
Material: Aluminum
Major axis: 7000 lbs
Gate opening: 7/8"

B1ABHW105

Locking Snap
Lock: Self
Material: Steel
Major axis: 5000 lbs
Gate opening: 3/4"

B1AB1703

Locking Swivel Snap
Lock: Self
Material: Steel
Major axis: 5000 lbs
Gate opening: 3/4"

B1AB3154

REGULATION

ANSI Z133.1-2006 (8.1.10)- Snap hooks (rope snaps) used in climbing shall be self-closing and self-locking, with a minimum tensile strength of 5,000 pounds (22.42 kN).

(Copyright International Society of Arboriculture. Used with permission.)

Hardware

Snap Hooks continued

Ladder Snap
Lock: Self
Material: Steel
Major axis: 5170 lbs
Gate opening: 2-1/2"

B1AB3150

Butterfly Spreader Snap
Lock: Self
Material: Steel
Major axis: 5000 lbs
Gate opening: 3/4"

B1AB3032

YOUR PARTNER IN TREE CARE

HELMETS

LANYARDS

CONNECTORS

DESCENDERS

ASCENDERS

PULLEYS

www.petzl.com

PETZL

Hardware

B1AB17L

B1AB17R

B1ABC49

B1ABC16

B1ABC74

Ascension Hand Ascender

This hand-held ascender has an ergonomically designed handle that is contoured and coated with thermal insulation. Ascension is designed for use with our B1ABC49 FootPro. Use the Speedy quick link that comes with the FootPro. Use additional holes to attach lanyards and carabiners for self-belaying. Offered in left and right-handed versions. For use with single ropes 3/8" to 1/2" (8mm - 13mm) in diameter.

B1AB17L	7/16" - 1/2"	10mm - 13mm
B1AB17R	7/16" - 1/2"	10mm - 13mm

FootPro

When used in conjunction with a hand-held ascender, the FootPro can save the climber considerable amounts of energy and effort. Attach the Speedy quick link to the hand-held ascender and save your strength for working in the canopy rather than working to get to the canopy.

B1ABC49		

Pantin Foot Ascender

This foot-mounted rope clamp, used with the Croll and Ascension, completes the Petzl personal climbing system and makes climbing faster and less tiring. It's DoubleBack buckle and Dyneema reinforced strap makes it easy to put on and incredibly durable. It can be removed from the rope with a simple twist of the leg. The Pantin is for the right foot only and is not PPE. For use with single ropes 3/8" to 1/2" (8mm - 13mm) in diameter.

B1B02	7/16" - 1/2"	10mm - 13mm

Ascentree Dual Hand Ascender

Designed for ascending double ropes in trees using the "footlock" technique or with Pantin foot ascenders. Its ergonomic handles allows a comfortable, powerful grip while its toothed cam with self-cleaning slot optimizes performance under any conditions. Catch/cam combination is integrated into the body of the rope clamp to prevent rubbing. The large handles can be used with thick gloves. Features lower holes for connecting a lanyard and upper holes through which a carabiner attaches the device to the rope (useful for back-up belays or hauling).

B19WAA	7/16" - 1/2"	10mm - 13mm

Croll Chest Ascender

Croll is a chest-mounted rope clamp designed to be used with the Ascension (B1AB17) for climbing. Croll lays flat against the chest when clipped in facilitating installation and removal of rope while the Croll is already attached to the climber. For use with single ropes 3/8" to 1/2" (8mm - 13mm) in diameter.

B1ABC16	7/16" - 1/2" 10mm - 13mm

Secur Shoulder Strap

Shoulder straps for positioning the Croll chest ascender. Use with the B1ABC69CF0 Petzl Sequoia saddle.

B1ABC74	

Fixed Axle Rope Clamps

This cam-loaded rope clamp features a bolted axle that eliminates risk of accidentally undoing the system; one of the ends of the rope must pass through it in order to attach to the line. It is perfect for use in semi-permanent applications.

B1ABB53

B1ABB52

Removable Axle Rope Clamps

This cam-loaded rope clamp features a removable axle and can be used to install or remove the clamp at any point on the rope. This is perfect for temporary setups that need to be installed and uninstalled frequently. The included locking pin reduces the risk of undoing the system accidentally.

B1ABB54

PETZL®

B1ABG45

Product No.	Part Name	Diameter
B1ABB53	Micrograb	3/8" - 1/2" 9mm - 13mm
B1ABB52	Macrograb	1/2" - 3/4" 12mm - 19mm
B1ABB54	Microcender	3/8" - 1/2" 9mm - 13mm
B1ABG45	Macrocender	1/2" - 3/4" 12mm - 19mm

Micrograb Repair Kit

Repair kit for our B1ABB53.

B1ABB53RK

Microcender Repair Kit

Repair kit for our B1ABB54.

B1ABB54RK

GRIGRI 2 Belay Device

The GRIGRI 2 belay device with assisted braking capability is designed to facilitate belay maneuvers. It works equally well for lead climbing and top-roping. It may be used on all single dynamic 8.9 to 11 mm (3/8" - 7/16") ropes on the market. Both compact and ultra-light, the GRIGRI 2 will accompany you on climbs around the world for many years and has a new design that allows excellent control during the descent.

B1ABD142G	3/8" - 7/16" 8.9mm - 11mm

Tree Climber's Companion

A reference and informational manual for professional tree climbers. Includes climbing techniques, the best knots, and more tools of the trade. Written by Jeff Jepson, copyright 2000.

B1AB100

Hardware

Figure 8s

The Figure 8 is the simplest descender on the market. With no moving parts, it is easy-to-install, use and inspect for wear. Their design allows for a fast yet controlled descent. Figure 8's may also be used as a belay device when a more appropriate tool is not available. The Rescue 8 has ears for extra friction on heavier loads and is available in both steel and aluminum (the Straight 8 is available in aluminum only). Use the aluminum 8's for personal descent and the steel 8's in conjunction with a sling for light-duty rigging.

B1AB802

B1AB462

B1AB81805

Product No.	Part Name	Description	Tensile
B1AB81805	Straight 8	Aluminum Straight 8	7868 lbs 35 kN
B1AB802	Rescue 8	Aluminum Rescue 8	8992 lbs 40 kN
B1AB462	Rescue 8	Stainless Rescue 8	11,240 lbs 50 kN
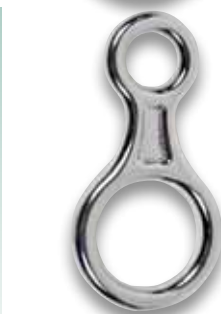
Gibbs Ascenders

These adjustable rope clamps are mainly used in hauling systems and to build adjustable lanyards. Cam-loaded clamps apply the load directly to the cam so that they will engage even if the rope is muddy, wet or icy. We carry them in a number of sizes and materials with both fixed and removable cams so that you can construct the ultimate flipline perfectly suited to your needs.

Gibbs #3 Aluminum	B1ABG3	7/16" - 1/2" 10mm - 13mm
Gibbs #3 Stainless	B1ABG3S	7/16" - 1/2" 10mm - 13mm
Gibbs #4 Aluminum	B1ABG4	5/8" - 3/4" 15mm - 19mm
Gibbs #4 Stainless	B1ABG4S	5/8" - 3/4" 15mm - 19mm

Hardware

Pulleys

B1ABRP110

B1ABRP140

B1ABRP141

B1ABRP102

Arborist Blocks and Pulleys.
Each Designed with You in Mind.
All Made in the USA.

cmi

Franklin, West Virginia

Product No.	Name	OEM	Tensile	WLL	Max Rope Dia.	Sheave Height	Sheave Material	Sideplate	Mechanics	Weight
B1ABRP110	RP110 Micro	cmi	7000 lbs	700 lbs	1/2"	1-1/4"	Aluminum	Aluminum	Bushing	2.4 oz.
B1ABRP140	RP140 Continuous	cmi	7000 lbs	700 lbs	1/2"	1-1/4"	Aluminum	Aluminum	Bushing	3.2 oz.
B1ABRP141	RP141 Micro Mouse	cmi	7000 lbs	700 lbs	1/2"	1-1/4"	Aluminum	Aluminum	Bushing	3.2
B1ABRP102	RP102 Classic	cmi	6000 lbs	600 lbs	5/8"	2-3/8"	Steel	Aluminum	Bushing	7.2 oz.

Hardware

Pulleys continued

B1ABRP104

B1ABRP105

B1ABP60

B1ABP70

B1ABRP124

B1ABP05

B1ABP50

Product No.	Name	OEM	Tensile	WLL	Max Rope Dia.	Sheave Height	Sheave Material	Sideplate	Me-chanics	Weight
B1ABRP104	RP104 Classic	cmi	8500 lbs	850 lbs	5/8"	2-3/8"	Steel	Stainless Steel	Bearing	10.4 oz.
B1ABRP105	RP105 HD	cmi	16,000 lbs	1600 lbs	5/8"	3"	Steel	Stainless Steel	Bushing	1.35 lbs.
B1ABP60	RP106 HD	cmi	16,000 lbs	1600 lbs	5/8"	3"	Aluminum	Stainless Steel	Bearing	1.35 lbs.
B1ABP70	RP107 HD	cmi	16,000 lbs	1600 lbs	5/8"	4"	Aluminum	Stainless Steel	Bushing	1.8 lbs.
B1ABRP124	RP124 HD	cmi	25,000 lbs	2500 lbs	5/8"	4"	Aluminum	Stainless Steel	Bushing	3.95 lbs.
B1ABP05	Fixe	Petzl	4945 lbs	494 lbs	1/2"	5/6"	Aluminum	Aluminum	Bushing	3.2 oz.
B1ABP50	Rescue	Petzl	7193 lbs	719 lbs	1/2"	1-1/2"	Aluminum	Aluminum	Bearing	6.6 oz.

Hardware

Part Number	Name	Lock	Material	Major Axis		Minor Axis		Open Gate		Gate Opening		ANSI	CE	Manuf.
B1ABM18	Am'D Ball	Ball	Aluminum	28 kN	6295 lbs	7 kN	1574 lbs	8 kN	1798 lbs	15/16"	24 mm	ANSI	CE	Petzl
B1ABM34TL	Am'D Triact	Triact	Aluminum	28 kN	6295 lbs	8 kN	1798 lbs	7 kN	1574 lbs	15/16"	24 mm	ANSI	CE	Petzl
B1ABM25	William Ball	Ball	Aluminum	25 kN	5620 lbs	7 kN	1574 lbs	7 kN	1574 lbs	7/8"	22 mm	ANSI	CE	Petzl
B1ABM36TL	William Triact	Triact	Aluminum	25 kN	5620 lbs	7 kN	1574 lbs	7 kN	1574 lbs	13/16"	21 mm	ANSI	CE	Petzl
B1ABM20R	High Density Roller	--	--	--	--	--	--	--	--	--	--			
B1AB912	Rescue Twist	Twist	Aluminum	30 kN	6744 lbs	9 kN	2023 lbs	9 kN	2023 lbs	1-1/16"	27 mm	ANSI	CE	Kong
B1AB412	Rescue Twist	Twist	Steel	50 kN	11,240 lbs	13 kN	2923 lbs	20 kN	4496 lbs	1-1/16"	27 mm	ANSI	CE	Kong
B1AB962	H.M.S.	Twist	Aluminum	22 kN	5000 lbs	8 kN	1798 lbs	--	--	15/16"	24 mm	ANSI	CE	Kong
B1AB85221	Fixed Eye	Triple	Aluminum	25 kN	5620 lbs	8 kN	1798 lbs	8 kN	1798 lbs	7/8"	22 mm	ANSI	CE	
B1AB85250	Triple D	Triple	Aluminum	27 kN	6070 lbs	8 kN	1798 lbs	8 kN	1798 lbs	7/8"	22 mm	ANSI	CE	
B1ABM34SL	Am'D Screw	Screw	Aluminum	28 kN	6295 lbs	7 kN	1574 lbs	8 kN	1798 lbs	1"	25 mm		CE	Petzl
B1ABM36SL	William Screw	Screw	Aluminum	25 kN	5620 lbs	7 kN	1574 lbs	7 kN	1574 lbs	13/16"	21 mm		CE	Petzl
B1ABM20	Attache	Screw	Aluminum	23 kN	5171 lbs	7 kN	1574 lbs	6 kN	1349 lbs	13/16"	21 mm		CE	Petzl
B1ABM15	Spirit	None	Aluminum	23 kN	5171 lbs	10 kN	2248 lbs	9 kN	2023 lbs	13/16"	21 mm		CE	Petzl
B1ABP42	Caritool - Standard	None	Plastic	0 kN	11 lbs	0 kN	0 lbs	--	--	3/4"	19 mm			Petzl
B1ABP42L	Caritool - Large	None	Plastic	0 kN	33 lbs	0 kN	0 lbs	--	--	--	--			Petzl
B1AB266	Paddle	None	Aluminum	22 kN	5000 lbs	8 kN	1798 lbs	7 kN	1574 lbs	1-1/4"	32 mm		CE	Kong
B1AB901	Paddle Wire	None	Aluminum	22 kN	5000 lbs	0 kN	0 lbs	7 kN	1574 lbs	1-1/4"	32 mm		CE	Kong
B1AB563	Speed Line	None	Stainless	24 kN	5395 lbs	7 kN	1574 lbs	8 kN	1798 lbs	1-1/16"	27 mm		CE	Kong
B1AB411	Rescue Screw	Screw	Stainless	50 kN	11240 lbs	13 kN	2923 lbs	9 kN	2023 lbs	1"	25 mm		CE	Kong
B1ABP11	Delta Link	Screw	Stainless	25 kN	5620 lbs	10 kN	2248 lbs	--	--	7/16"	11 mm		CE	

Connectors Reference Chart

Part #	Description	Gate	Material						Size	Size	Brand
B1ABQL06	Quick Link	Screw	Stainless	6000 lbs	27 kN	1798 lbs	8 kN	--	3/16"	21 mm	
B1ABQL10	Quick Link	Screw	Stainless	12,000 lbs	53 kN	1798 lbs	8 kN	--	5/16"	8 mm	
B1ABK1610	Twist Clevis	Screw	Stainless	--	--	--	--	--	5/8"	16 mm	
B1ABK1612	Twist Clevis	Screw	Stainless	--	--	--	--	--	13/16"	21 mm	
B1AB2232	Leash Swivel Snap	--	Bronze	500 lbs	2 kN	--	--	--	--	--	
B1ABP58S	Swivel	--	--	--	--	--	--	--	--	--	Petzl
B1ABP58L	Swivel	--	--	--	--	--	--	--	--	--	Petzl
B1ABHW105	Locking Snap	Self	Aluminum	7000 lbs	31 kN	--	--	--	7/8"	22 mm	
B1AB1703	Locking Snap	Self	Steel	5000 lbs	22 kN	--	--	--	3/4"	19 mm	
B1AB3154	Locking Swivel Snap	Self	Steel	5000 lbs	22 kN	--	--	--	3/4"	19 mm	
B1AB3150	Ladder Snap	Self	Steel	5170 lbs	23 kN	--	--	--	2-1/2"	63 mm	
B1AB3032	Butterfly Spreader Snap	Self	Steel	5000 lbs	22 kN	--	--	--	3/4"	19 mm	

References