



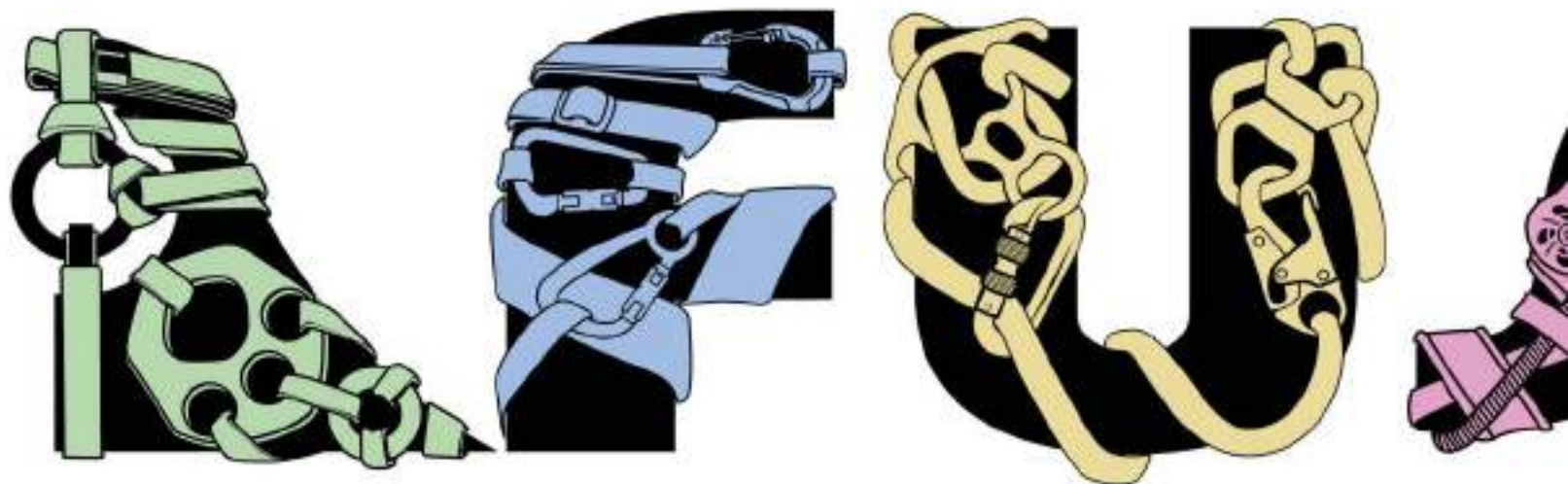
 **FUSION**™

WWW.FUSIONCLIMB.COM

ADVENTURE GEAR... ENJOY THE WORLD!

ABOUT US

After years of designing and manufacturing safety and tactical products, we decided to explore the outside world! Our love of adventure and the outdoors has brought us into the worlds of climbing, caving, rappelling, bungee jumping and zip-lining! The products we have been making for years gave us the tools and the experience to branch out into these new areas with a full line of great products for all aspects of outdoor adventures. We continuously strive to improve our existing line and come up with new products that not only meet but exceed the safety standards (UIAA, CE, ANSI) yet are affordable and practical enough for the everyday adventurer to the professional climber and outdoor enthusiast. Our belts and harnesses are made right here in California, and our hardware parts are from Taiwan, UK, or Canada. In addition to our own in house testing procedures, we also use 3rd party testing facilities such as John Batchelor, Midwest Testing, and Exvo OCM Test Laboratories. Please check our "Testing" section on the bottom of our website to view some examples of testing reports.





MISSION STATEMENT

Fusion is passionate in providing the highest level of integrity, quality, customer service, and value to all customers while dedicating our energy and effort to continual improvement towards positive satisfaction, professional knowledge, promptness, friendliness, respect, and mutual success. We only manufacture products that we stand behind and use ourselves.

Furthermore, we believe our success is based on earning the satisfaction and respect of our customers on top of the positive attitude and pride of our employees. We aim to guide, protect, train and provide a pleasant working environment to our employees. We treat them with care, respect and the dignity they deserve while expecting them to pass the same respect to our customers. We also have CE and UIAA certified products, please ask your rep for details!

AMBASSADORS & TESTIMONIALS



ANDREW RENTZEL



ISAIAH HABIB



ADRIA CHAMAS



I started buying and using Fusion Climb equipment about two years ago. I was at a Christmas party where a few of my friends put the idea in my head to start up a vertical climbing school. When I set out looking for affordable but sturdy equipment, I found Fusion Climb in Chino. The sales staff was fantastic to work with and they gave me the opportunity to design a rescue harness, which I did. It is used at my school for all of our classes. I have also been buying hardware from Fusion and in my opinion, the carabiners are superior in quality. They have a large selection of aluminum and steel to choose from. I wouldn't put myself or one of my students in a vertical environment today without being connected with Fusion hardware.

JIM HAHN

Instructor/Carolina Mountain Company



**FUSION ON THE BRIG SHIP
LADY WASHINGTON**



MARIA MOTA

2017 FUSION TEAM BUILDING

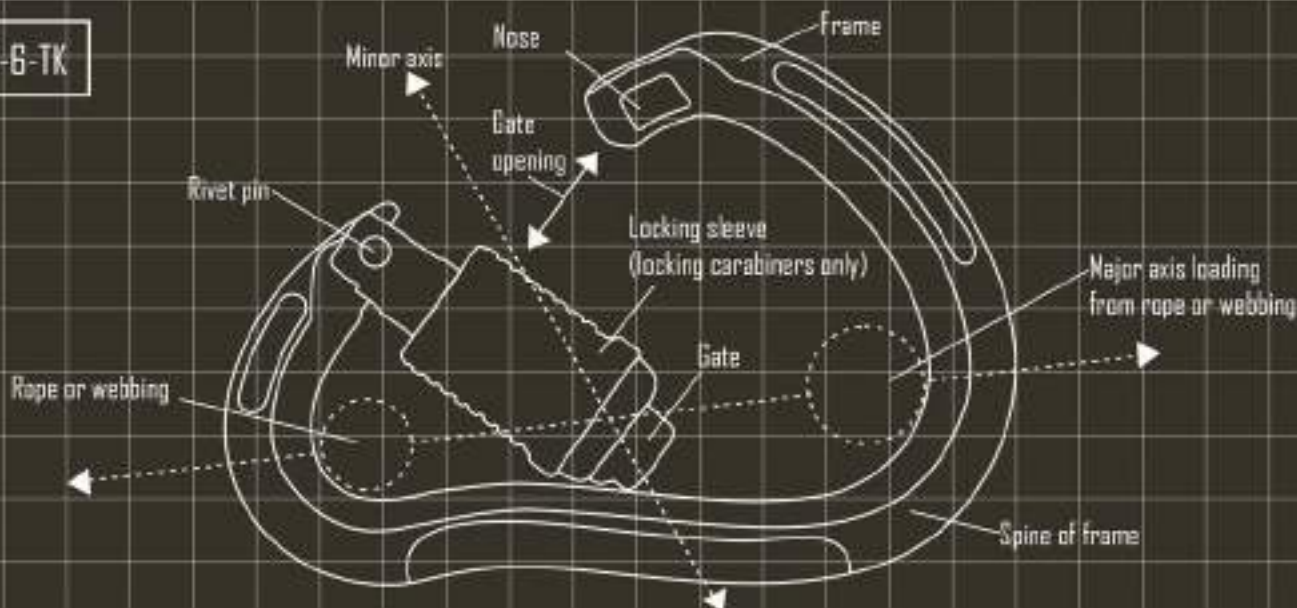
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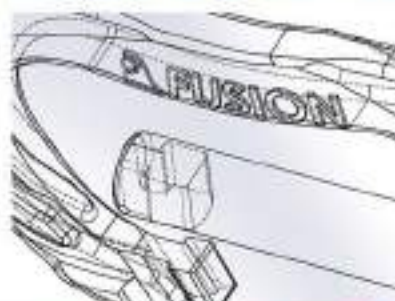


FP-9316-S-TK



CARABINER

Choosing the right carabiner is extremely important; the product you choose can save your life! Carabiners are used for a variety of applications from industrial to sporting. Their main function is to connect things together; a climber to a wall, a window washer to scaffolding, a stretcher to a rescue helicopter, and sometimes your keys to your belt loop. Given the multitude of uses for carabiners, each carabiner has a specific shape, rating, and function. It is vital to familiarize yourself with the right carabiner, its safety precautions, proper maintenance and operation.



CARABINER 101

MATERIALS

The two primary materials used are Aluminum and Steel. Both are very strong but have very different uses primarily due to weight.



ALUMINUM

Aluminum is significantly lighter than steel, and is therefore far more popular in the outdoor and climbing industries where weight is a major factor.



STEEL

Steel is used more commonly in the industrial industries due to its extreme strength and durability.

WHEN TO USE STEEL

Steel is most often the popular choice for industrial and high-strength applications. Steel can be tempered to be stronger without increasing the overall size of the carabiner by too much. Steel can also withstand much more wear before beginning to break down. Anytime a connection directly onto a metal anchor or other object is necessary, it is important to use steel. Steel is a much stronger metal than aluminum and can hold up much longer, especially if a constant level of tension or movement is required. Steel is also much heavier than aluminum, making this ideal for industrial applications rather than climbing applications. Using an aluminum carabiner with a steel cable will destroy the carabiner very quickly; however, a steel carabiner would be able to endure the pull and last a long time, even in high use situations.

STRENGTH

Carabiner strength is commonly measured by kilonewtons (kN) or in scientific terms, mass times acceleration. The minimum strength for most applications, including rock climbing is 5,000 lbs. of force or 22.2 kN. However, other industries may require higher strengths and minimum loads ranging up to 60 kN. The overall strength rating of a carabiner is along its Major Axis, or along the spine/longest section of the 'biner. Minor Axis (the shorter distance) and Open (when the carabiner's gate is open) are the other two areas a carabiner is rated for strength.

ON ROCK CLIMBING...

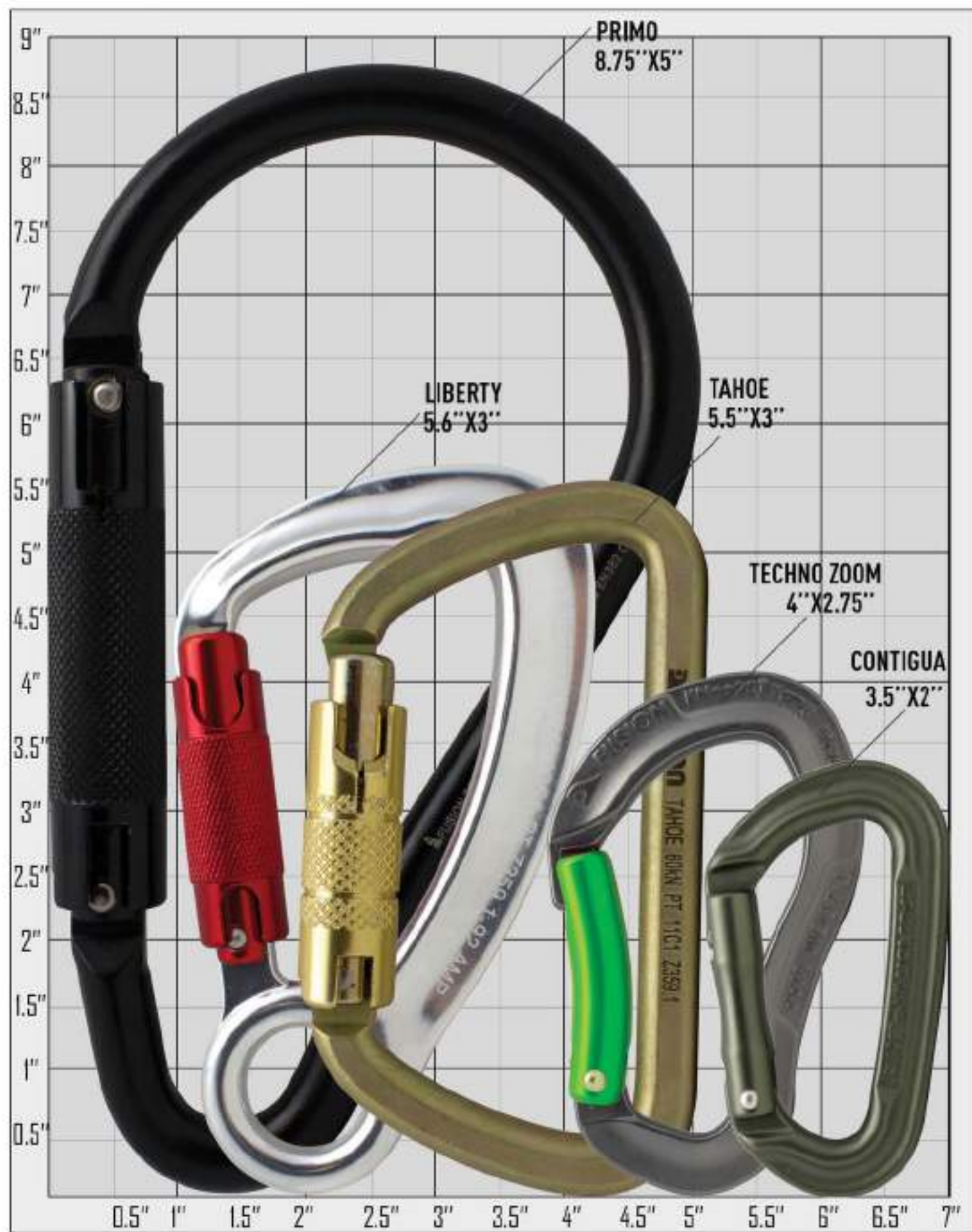
Rock climbing users prefer aluminum carabiners solely for the weight. For belaying you ALWAYS use a locking carabiner, whether screw gate, auto lock or triple lock, it is largely a personal preference factor. For anchor building, two non-locking carabiners set up with the gates facing in opposite directions or a screw gate, are most often chosen. For lead climbing, whether on traditional or sport routes, you want non-locking carabiners



MAINTENANCE

Plated finishes are now commonly used on carbon and alloy steel carabiners to protect them from surface oxidation (rusting). These finishes are expensive, particularly due to the environmental protection requirements which the plating process must comply with in the United States. However, the plating is soft and easily damaged in use. Also, it can be worn through where different parts of the carabiner rub together, such as the gate pivot area or between the threaded locking knob and the gate. Once the underlying steel is exposed, it may rust. This is most likely when exposed to corrosive environments which include such diverse things as chemicals in some industrial plants, acid rain, salt-water atmosphere, and even sweaty hands. To protect carbon and alloy steel carabiners from rusting, clean and dry them after each use to remove dirt and moisture. Apply a generous amount of a good preservative, such as LPS1, to the entire gate surface including the cross-pins, gate pivoting area and under the locking knob. Inspect the body of the carabiner for damage to the plated finish and apply preservative there also, then wipe off the surplus from all of the carabiner's exposed surfaces. We suggest LPS1 because it will penetrate into tiny spaces and get between steel surfaces and the moisture that attacks them. In normal use, stainless steel carabiners are usually free from the corrosion problems of those made from carbon and alloy steel. However, stainless steel is often chosen for use in harsh and corrosive environments. It is advisable to test any situation in which there is the possibility of unacceptable corrosive attack, in order to reassure yourself that the carabiner may be safely used for that application. Stainless steel carabiners should also be cleaned and dried after use to remove dirt and moisture. Apply LPS1 to the gate pivot area and locking knob threads for lubrication, then wipe off the surplus.

SIZING CHART





GATE TYPE & NOSE TYPE

The carabiner's gate type makes a big difference in what the carabiner is used for. The two main types of gates are locking and non-locking.

There are two types of "noses" commonly used as well. They are "key" nose and "pin" nose.





NON-LOCKING

Non-locking carabiners are for general use and when clipping quickly is important. Non-locking carabiners come in straight gate, bent gate and wire gate. All non-locking carabiners are spring-loaded to ensure immediate gate closure upon release. If a gate does not close automatically it is time for a new carabiner!

STRAIGHT GATE

The straight gate is the most common gate used. The straightened gate tends to be a little bit stronger than the bent gate carabiner.



FP-9307-7A-SK-GYOR

FP-9307-7A-SK-GYBG

FP-9307-7A-SK-GYPP



WIRE GATE

FP-9307-7A-WK-GYSV

A wire gate carabiner uses a loop of stainless steel wire as the gate. Although it appears as though it might not be as strong as the straight gate or bent gate, it is. The wire itself creates a "spring to close" gate, eliminating the need for an extra mechanism and making the carabiner very lightweight. In addition, there is no spring mechanism so the gate will never freeze shut.

BENT GATE

A bent gate carabiner allows a faster and more ergonomic clip in, especially when you only have one hand available! It's very popular in sport climbing when needing to clip a rope into the carabiner.



LOCKING GATE

Locking gates come with a separate mechanism or sleeve that ensures the carabiner does not accidentally open. There are several types of locking carabiners that we manufacture.



SCREW-LOCKING

The screw gate is the most common style of locking carabiner. A sleeve must be manually loosened to unlock the carabiner then tightened to lock the carabiner.



AUTO-LOCKING

An auto-locking carabiner uses an internal spring mechanism to not only close the carabiner, but also lock the carabiner as soon as the gate is released. The user can then twist the sleeve to unlock and open the carabiner.



TRIPLE-LOCKING

Another type of locking carabiner is the triple-locking carabiner. With this carabiner, the user must push the sleeve up or down before twisting it in order to unlock the carabiner, hence, adding another safety step. All triple locking carabiners meet ANSI Standards.



FP-9313-2A-AK-BLGL

KEY NOSE

The second type is referred to as a key nose. The advantage of having a key nose carabiner is that there is no notch to snag onto anything while clipping or unclipping. Products featuring a key nose carabiner are marked with a "K" insignia.



PIN NOSE

The first and older type of a "nose" is the pin nose. It utilizes a pin in the gate and a notch in the nose of the carabiner to maintain a structure and strength. This type of nose is typically stronger and more affordable.

NOSE TYPE



FP-8105-1A-TP-BGGY

ERGONOMIC

Designed to minimize physical effort and discomfort, and hence maximize efficiency.



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-WK-GYSV



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-SK-GYOG



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-SK-GYBG



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-SK-GYPP



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-SK-BKKB



Finish : Anodized
MBS : 25 kN



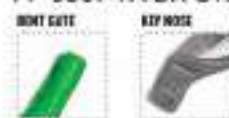
ALUMINIUM
TECHNO ZOOM
FP-9307-7A-BK-GYOR



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-BK-GYAG



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-BK-GYOR



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-BK-GYGR



Finish : Anodized
MBS : 25 kN



ALUMINIUM
TECHNO ZOOM
FP-9307-7A-BK-BKKB



Finish : Anodized
MBS : 25 kN



ALUMINIUM

TECHNO ZOOM

FP-9307-7A-BK-GYPP

BENT GATE

KEY NOSE



Finish : Anodized
MBS : 25 kN



ALUMINIUM

TECHNO WAVE

FP-9307-3A-RK-GYBG

SCREW LOCKING

KEY NOSE



Finish : Anodized
MBS : 23 kN



ALUMINIUM

TECHNO WAVE

FP-9307-5A-SP-GYBG

STRAIGHT GATE

PIN NOSE



Finish : Anodized
MBS : 25 kN



ALUMINIUM

TECHNO WAVE

FP-9307-5A-WP-BKSV

WIRE GATE

PIN NOSE



Finish : Anodized
MBS : 25 kN



ALUMINIUM

TECHNO WAVE

FP-9307-5A-WP-SVSV

WIRE GATE

PIN NOSE



Finish : Anodized
MBS : 25 kN



ALUMINIUM

TECHNO WAVE

FP-9307-5A-BK-GYBG

BENT GATE

PIN NOSE



Finish : Anodized
MBS : 23 kN



ALUMINIUM

TECHNO

FP-9316-6A-TK-SVBK

TRIPLE-LOCKING

KEY NOSE



Finish : Anodized
MBS : 25 kN



ALUMINIUM

HS CARABINER

FP-9316-5A-TKH-BLGL

AUTO-LOCKING

KEY NOSE



Finish : Anodized
MBS : 25 kN



ALUMINIUM

TECHNO WAVE

FP-9316-5A-TK-BLSV

TRIPLE-LOCKING

KEY NOSE



Finish : Anodized
MBS : 25 kN



MODIFIED "D" SHAPE



This shape helps to push the load to the back ("spine") of the carabiner. This allows the weight to be carried primarily by the spine and less by the gate, making the carabiner stronger yet lighter.



HS CARABINER
FP-8106-1A-TKH-BLGL



Finish : Anodized
MBS : 28 kN



HS CARABINER
FP-8106-1A-AKH-SVPP



Finish : Anodized
MBS : 28 kN



VAPOR
FP-8122-1A-BP-BKBK



Finish : Anodized
MBS : 25 kN



VAPOR
FP-8122-1A-SP-BKBK



Finish : Anodized
MBS : 25 kN



VAPOR
FP-8122-1A-RP-BKBK



Finish : Anodized
MBS : 25 kN



CONTIGUA
FP-9301-2A-SK-BKBK



Finish : Anodized
MBS : 25 kN



CONTIGUA
FP-9301-2A-SK-CBCB



Finish : Anodized
MBS : 25 kN



CONTIGUA
FP-9301-2A-SK-FGFG



Finish : Anodized
MBS : 25 kN



CONTIGUA
FP-9301-1A-WP-BLSV



Finish : Anodized
MBS : 25 kN



CONTIGUA
FP-9301-1A-WP-ORSV



Finish : Anodized
MBS : 25 kN



ALUMINIUM

CONTIGUA

FP-9301-1A-SP-BKBK

STRAIGHT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 25 kN



ALUMINIUM

CONTIGUA

FP-9301-1A-SP-BLBL

STRAIGHT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 25 kN



ALUMINIUM

CONTIGUA

FP-9301-1A-SP-OROR

STRAIGHT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 25 kN



ALUMINIUM

TECHNO

FP-9307-6A-8P-GYBG

BENT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

TECHNO

FP-9307-6A-SP-GYBG

STRAIGHT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

SPIRIDON

FP-9309-1A-RP-BLGL

SCREW-LOCKING

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

SPIRIDON

FP-9309-1A-BP-BLGL

BENT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

ESSENCE

FP-9313-2A-AK-BKBK

AUTO-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

ESSENCE

FP-9313-2A-AK-BLGL

AUTO-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

ESSENCE

FP-9313-2A-TK-ORSV

TRIPLE-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

SPIRIDON

FP-9309-1A-RP-GLSV

SCREW-LOCKING

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

TAZO

FP-9320-3A-RP-BKBK

SCREW-LOCKING

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

TAZO

FP-9320-3A-RP-SVSV

SCREW-LOCKING

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

TAZO

FP-9320-1A-SP-BKBK

STRAIGHT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINIUM

TAZO

FP-9320-1A-SP-SVSV

STRAIGHT GATE

PIN NOSE



FINISH : ANODIZED
MBS : 28 kN



ALUMINUM

TAZO
FP-9320-3A-RP-CBCB



FINISH : ANODIZED
MBS : 20 kN



ALUMINUM

TAZO
FP-9320-3A-SP-BKBK



FINISH : ANODIZED
MBS : 20 kN



ALUMINUM

TAZO
FP-9320-3A-SP-CBCB



FINISH : ANODIZED
MBS : 20 kN



STEEL

TACOMA
FP-9005-1S-TKP-GLGL



FINISH : CADMIUM
MBS : 50 kN



STEEL

TACOMA
FP-9005-1S-TKHP-GLGL



FINISH : CADMIUM
MBS : 50 kN



STEEL

TACOMA
FP-9005-1S-TKP-BKBK



FINISH : E COATING
MBS : 50 kN



STAINLESS STEEL

TACOMA
FP-9005-1SS-AP-SVSV



FINISH : STAINLESS
MBS : 50 kN



STEEL

TACOMA
FP-9005-1S-RP-BKBK



FINISH : E COATING
MBS : 50 kN



STEEL

TACOMA
FP-9005-1S-RP-GLGL



FINISH : CADMIUM
MBS : 50 kN



STEEL

TACOMA
FP-9005-1S-AKP-BKBK



FINISH : E COATING
MBS : 50 kN



STEEL

TACOMA
FP-9005-1S-APHP-GLGL



FINISH : CADMIUM
MBS : 50 kN



STEEL

TACOMA
FP-9005-1S-AKPH-GLGL



FINISH : CADMIUM
MBS : 50 kN



STEEL

TAHOE
FP-9008-1S-RK-BKBK



FINISH : E COATING
MBS : 60 kN



STEEL

TAHOE
FP-9008-1S-RK-GLGL



FINISH : CADMIUM
MBS : 60 kN



STEEL

TAHOE
FP-9008-1S-TK-GLGL



FINISH : CADMIUM
MBS : 60 kN



HMS

Some carabiners, such as the modified D and HMS, have one axis that is longer than the other to allow for a larger gate opening. The HMS, also known as the pear-shaped carabiner, was originally invented for use with Halbmastwurfsicherung knots, commonly used when belaying. This type of carabiner is popular amongst all industries and is a top choice for use with a belay device.



EUREKA
FP-8105-1A-TP-RDSV



FINISH : ANODIZED
MBS : 28 kN



EUREKA
FP-8105-1A-RP-RDSV



FINISH : ANODIZED
MBS : 28 kN



EUREKA
FP-8105-1A-TP-RDSV



FINISH : ANODIZED
MBS : 28 kN

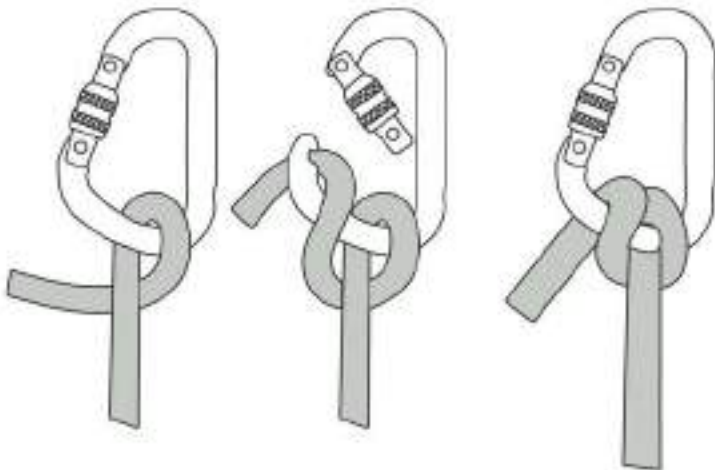


TECHNO
FP-9316-3A-TK-GYGR



FINISH : ANODIZED
MBS : 24 kN

HALBMASTWURFSICHERUNG KNOTS



AZTEC
FP-9001-1S-APHPGLGL



FINISH : ANODIZED
MBS : 28 kN



AZTEC
FP-9001-1S-APHPBKBK



FINISH : ANODIZED
MBS : 28 kN

OVAL

The original shape of carabiner is the "Oval," the symmetrical shape keeps the load from shifting creating more stability, but is typically not as strong as other shapes.



SUPREME

FP-9318-3A-SK-BKBK

STRAIGHT GATE

KEY NOSE



FINISH : ANODIZED
MBS : 23 kN



SUPREME

FP-9318-3A-SK-BLSV

STRAIGHT GATE

KEY NOSE



FINISH : ANODIZED
MBS : 23 kN



SUPREME

FP-9318-3A-RK-BKBK

SCREW LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 23 kN



SUPREME

FP-9318-3A-RK-SVSV

SCREW LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 23 kN



SUPREME

FP-9318-3A-SK-SVSV

STRAIGHT GATE

KEY NOSE



FINISH : ANODIZED
MBS : 23 kN



OVATTI

FP-9108-1S-AP-BKBK

AUTO-LOCKING

PIN NOSE



FINISH : E COATING
MBS : 27kN



OVATTI

FP-9108-1S-AP-GLGL

AUTO-LOCKING

PIN NOSE



FINISH : CADMIUM
MBS : 27 kN



OVATTI

FP-9104-1S-RP-BKBK

SCREW-LOCKING

PIN NOSE



FINISH : E COATING
MBS : 27kN



OVATTI

FP-9104-1S-RP-GLGL

SCREW-LOCKING

PIN NOSE



FINISH : CADMIUM
MBS : 27 kN

CAPTIVE EYE

A captive eye carabiner has two separate points to tie in to, which prevents cross loading of the gate. Some of our carabiners have the option of adding a captive eye pin to turn a modified "D" carabiner into a captive eye carabiner!



ALUMINUM

LIBERTY

FP-9313-1A-AKH-BLSV

AUTO-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



ALUMINUM

LIBERTY

FP-8022-1A-AKHP-BKSV

AUTO-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



ALUMINUM

LIBERTY

FP-8020-1A-RKP-SVBL

SCREW-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



ALUMINUM

LIBERTY

FP-8020-1A-AKP-SVRD

AUTO-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



ALUMINUM

LIBERTY

FP-8021-1A-TKS-SVOR

TRIPLE-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



ALUMINUM

LIBERTY

FP-8021-1A-TKS-SVOR

TRIPLE-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



ALUMINUM

LIBERTY

FP-8020-1A-TKP-SVOR

TRIPLE-LOCKING

KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



STEEL

LIBERTY

FP-8120-1S-AKH-GLGL

AUTO-LOCKING

KEY NOSE



FINISH : CADMIUM
MBS : 45 kN

OTHERS

Because of the wide variety of industries and applications for carabiners, we manufacture an endless variety of new carabiners that are frequently gaining popularity in the market place. Some people prefer certain sizes or shapes for their industry specific applications, such as our ladder hooks and rebar hooks. These high quality hooks are large enough for a fire fighter or rescue person to clip onto a pipe in an emergency, while our mini Contigua carabiner is small enough to accommodate a keychain, yet is strength rated at 5,000 lb.



STEEL

PRIMA

FP-9201-1S-APHP-GLGL

AUTO-LOCKING PIN NOSE



FINISH : CADMIUM
MBS : 45 kN



STEEL

PRIMA

FP-9201-1S-APHP-BKKBK

AUTO-LOCKING PIN NOSE



FINISH : E COATING
MBS : 45 kN



STEEL

PRIMO

FP-9202-1S-TPHP-GLGL

TRIPLE-LOCKING PIN NOSE



FINISH : CADMIUM
MBS : 45 kN



ALUMINUM

PRIMO

FP-9351-1A-AK-BKKBK

AUTO-LOCKING KEY NOSE



FINISH : ANODIZED
MBS : 30 kN



STEEL

PRIMO

FP-9202-1S-APP-BKKBK

AUTO-LOCKING PIN NOSE



FINISH : E COATING
MBS : 45 kN



STEEL

PRIMO

FP-9202-1S-APHP-GLGL

AUTO-LOCKING PIN NOSE



FINISH : CADMIUM
MBS : 45 kN

CARABINER CHAT

MODEL NUMBER
FP-9301
FP-9302
FP-9303
FP-9304
FP-9305
FP-9306
FP-9307
AND SO FORTH

GENERATION
1
2
3
4
5
6
7
AND SO FORTH

MATERIAL
A (Aluminum)
S (Steel)
SS (Stainless steel)

GATE TYPE
S (Straight)
B (Bent)
W (Wire)
R (Screw)
A (Auto)
T (Triple)

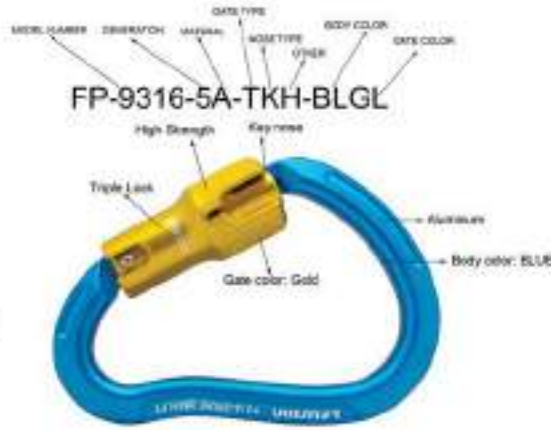
NOSE TYPE
P (Pin nose)
K (Key nose)

OTHER
H (High Strength)
P (Captive eye pin)
S (Swivel)
F (Fall indicator)
O (Other)

BODY COLOR	GATE COLOR
BK Black	BK Black
CB Carbon Black	CB Carbon Black
FG Forest Green	FG Forest Green
RD Red	RD Red
BL Blue	BL Blue
OR Orange	OR Orange
GY Grey	GY Grey
YW Yellow	YW Yellow
GL Gold	GL Gold
SV Silver	SV Silver
GR Green	GR Green
AG Apple Green	AG Apple Green
PP Purple	PP Purple
SB Sky Blue	SB Sky Blue
BG Burgundy	BG Burgundy



Steel Carabiner



Aluminum Carabiner

RETAIL PACKAGING

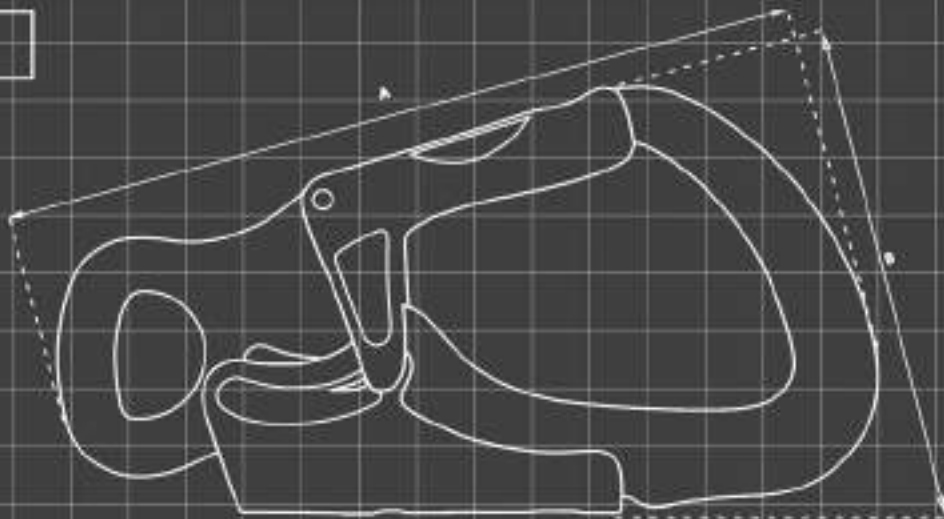


CARABINER SPEC CHART



ITEM NUMBER	ITEM NAME	MATERIAL	GATE TYPE	MAJOR	MINOR	OPEN	A	B	C	WEIGHT	ANSI Z359.12-2009 COMPLIANT
FP-8026-1A-AKP-SVRD	LIBERTY	ALUMINUM	AUTO-LOCKING	30kN	9kN	9kN	5.40"	3.03"	0.68"	3.00 oz	-
FP-8026-1A-RKP-SVBL	LIBERTY	ALUMINUM	SCREW-LOCKING	30kN	9kN	9kN	5.43"	3.01"	0.70"	3.00 oz	-
FP-8026-1A-TKP-SVBL	LIBERTY	ALUMINUM	TRIPLE-LOCKING	30kN	9kN	9kN	5.40"	3.03"	0.44"	10.00 oz	-
FP-8021-1A-TKS-SVDR	LIBERTY	ALUMINUM	TRIPLE-LOCKING	25kN	7kN	7kN	5.43"	3.03"	0.96"	7.00 oz	-
FP-8021-1A-AKHPKSV	LIBERTY	ALUMINUM	AUTO-LOCKING	28kN	7kN	7kN	5.07"	2.03"	0.38"	4.00 oz	-
FP-8105-1A-AP-RDSV	EUREKA	ALUMINUM	AUTO-LOCKING	28kN	7kN	7kN	4.77"	2.66"	0.69"	4.00 oz	-
FP-8105-1A-AP-RDSV	EUREKA	ALUMINUM	SCREW-LOCKING	28kN	7kN	7kN	4.65"	2.67"	0.42"	3.00 oz	-
FP-8106-1A-TKH-BLGL	HS CARABINER	ALUMINUM	TRIPLE-LOCKING	28kN	7kN	7kN	4.77"	2.89"	0.45"	4.00 oz	-
FP-8106-2A-AP-BKBK	HS CARABINER	ALUMINUM	AUTO-LOCKING	25kN	7kN	7kN	4.36"	2.46"	0.73"	3.00 oz	-
FP-8106-2A-AP-SVBUR	HS CARABINER	ALUMINUM	AUTO-LOCKING	25kN	7kN	7kN	4.36"	2.46"	0.73"	3.00 oz	-
FP-8126-7S-AKHPGLGL	LIBERTY	STEEL	AUTO-LOCKING	45kN	9kN	9kN	5.18"	2.88"	0.68"	10.00 oz	✓
FP-8127-1A-BP-BKBK	VAPOR	ALUMINUM	BENT GATE	25kN	7kN	7kN	4.01"	2.51"	0.35"	2.00 oz	-
FP-8127-1A-AP-BKBK	VAPOR	ALUMINUM	SCREW-LOCKING	25kN	7kN	7kN	4.25"	2.47"	0.10"	2.00 oz	-
FP-8127-1A-SP-BKBK	VAPOR	ALUMINUM	STRAIGHT GATE	25kN	7kN	7kN	4.01"	2.51"	0.35"	2.00 oz	-
FP-8131-1A-AK-RDEK	PARABINER	ALUMINUM	AAUTO-LOCKING	18kN	7kN	7kN	3.24"	5.07"	0.87"	2.40 oz	-
FP-9001-1S-APHPKSK	AZTEK	STEEL	AUTO-LOCKING	45kN	9kN	9kN	4.75"	3.28"	0.80"	10.00 oz	✓
FP-9001-1S-APHPGLGL	AZTEK	STEEL	AAUTO-LOCKING	45kN	9kN	9kN	4.75"	3.28"	0.80"	10.00 oz	✓
FP-9005-1S-AKH-BKBK	TACOMA	STEEL	AUTO-LOCKING	50kN	9kN	9kN	4.44"	3.20"	1.00"	9.00 oz	-
FP-9005-1S-AKHPGLGL	TACOMA	STEEL	AUTO-LOCKING	50kN	9kN	9kN	4.44"	3.20"	1.00"	9.00 oz	✓
FP-9005-1S-AP-BKBK	TACOMA	STEEL	SCREW-LOCKING	50kN	9kN	9kN	4.42"	2.82"	0.74"	8.00 oz	-
FP-9005-1S-AP-GLGL	TACOMA	STEEL	SCREW-LOCKING	50kN	9kN	9kN	4.42"	2.82"	0.74"	8.00 oz	-
FP-9005-1S-TKH-BKBK	TACOMA	STEEL	TRIPLE-LOCKING	50kN	9kN	9kN	4.44"	3.20"	1.00"	9.00 oz	-
FP-9005-1S-TKHPGLGL	TACOMA	STEEL	TRIPLE-LOCKING	50kN	9kN	9kN	4.42"	2.83"	0.79"	9.00 oz	✓
FP-9006-1S-RK-BKBK	TAHOE	STEEL	SCREW-LOCKING	60kN	9kN	9kN	5.07"	2.68"	0.70"	9.00 oz	-
FP-9006-1S-RK-GLGL	TAHOE	STEEL	SCREW-LOCKING	60kN	9kN	9kN	5.18"	2.78"	0.68"	9.00 oz	-
FP-9006-1S-TK-GLGL	TAHOE	STEEL	TRIPLE-LOCKING	60kN	9kN	9kN	5.43"	2.88"	0.71"	9.00 oz	-
FP-9104-1S-AP-BKBK	OVATTI	STEEL	SCREW-LOCKING	25kN	9kN	9kN	4.18"	3.84"	2.88"	6.00 oz	-
FP-9104-1S-AP-GLGL	OVATTI	STEEL	SCREW-LOCKING	25kN	9kN	9kN	4.18"	2.31"	0.70"	6.00 oz	-
FP-9106-1S-AP-BKBK	OVATTI	STEEL	AUTO-LOCKING	25kN	9kN	9kN	4.80"	3.84"	2.88"	7.00 oz	-
FP-9106-1S-AP-GLGL	OVATTI	STEEL	AUTO-LOCKING	25kN	9kN	9kN	4.80"	3.84"	2.88"	7.00 oz	-
FP-9108-1S-TP-GLGL	OVATTI	STEEL	TRIPLE-LOCKING	25kN	9kN	9kN	4.29"	2.37"	0.71"	6.00 oz	-
FP-9201-1S-APHPKSK	PRIMA	STEEL	AUTO-LOCKING	50kN	9kN	9kN	7.67"	5.57"	1.08"	29.00 oz	✓
FP-9201-1S-APHPGLGL	PRIMA	STEEL	AAUTO-LOCKING	50kN	9kN	9kN	7.67"	5.57"	1.08"	29.00 oz	✓
FP-9202-1S-APHPGLGL	PRIMO	STEEL	AUTO-LOCKING	50kN	9kN	9kN	8.45"	4.80"	0.94"	24.00 oz	✓
FP-9202-1S-APP-BKBK	PRIMO	STEEL	AUTO-LOCKING	50kN	9kN	9kN	8.45"	4.80"	0.94"	24.00 oz	-
FP-9202-1S-TPHPGLGL	PRIMO	STEEL	TRIPLE-LOCKING	50kN	9kN	9kN	8.26"	4.80"	0.94"	24.00 oz	✓
FP-9301-1A-SK	CONTIGUA	ALUMINUM	STRAIGHT GATE	23kN	7kN	7kN	3.40"	1.98"	0.48"	1.00 oz	-
FP-9301-1A-SP	CONTIGUA	ALUMINUM	STRAIGHT GATE	23kN	7kN	7kN	3.40"	1.98"	0.48"	1.00 oz	-
FP-9301-1A-SP	CONTIGUA	ALUMINUM	STRAIGHT GATE	23kN	7kN	7kN	3.40"	1.98"	0.48"	1.00 oz	-
FP-9301-1A-VP	CONTIGUA	ALUMINUM	WIRE GATE	23kN	7kN	7kN	3.40"	1.98"	0.48"	1.00 oz	-
FP-9307-3A-RK-GYBUR	TECHNO ZOOM	ALUMINUM	SCREW-LOCKING	23kN	7kN	7kN	4.04"	2.14"	0.30"	2.00 oz	-
FP-9307-7A-BK	TECHNO ZOOM	ALUMINUM	BENT BENT GATE	25kN	7kN	7kN	4.04"	2.14"	0.30"	2.00 oz	-
FP-9307-7A-SK	TECHNO ZOOM	ALUMINUM	STRAIGHT GATE	25kN	7kN	7kN	4.04"	2.14"	0.30"	2.00 oz	-
FP-9307-7A-VK-GYSV	TECHNO ZOOM	ALUMINUM	WIRE GATE	25kN	7kN	7kN	4.04"	2.14"	0.30"	1.00 oz	-
FP-9309-1A-AP-BLGL	SPIRIDON	ALUMINUM	BENT GATE	27kN	8kN	8kN	4.58"	3.00"	0.42"	3.00 oz	-
FP-9309-1A-AP-BLGL	SPIRIDON	ALUMINUM	SCREW-LOCKING	27kN	8kN	8kN	4.58"	3.00"	0.42"	3.00 oz	-
FP-9313-2A-AK-BKBK	ESSENCE	ALUMINUM	AUTO-LOCKING	28kN	7kN	7kN	4.44"	2.94"	0.70"	3.00 oz	-
FP-9313-2A-AK-BLGL	ESSENCE	ALUMINUM	AUTO-LOCKING	28kN	7kN	7kN	4.44"	2.94"	0.70"	3.00 oz	-
FP-9313-2A-TK-ORSV	ESSENCE	ALUMINUM	TRIPLE-LOCKING	28kN	7kN	7kN	4.44"	2.94"	0.70"	3.00 oz	-
FP-9316-3A-TK-GYGR	TECHNO GROOVE	ALUMINUM	TRIPLE-LOCKING	24kN	7kN	7kN	4.33"	1.81"	0.39"	3.00 oz	-
FP-9316-5A-TKH-BLGL	TECHNO GROOVE	ALUMINUM	TRIPLE-LOCKING	28kN	7kN	7kN	4.78"	3.67"	0.98"	5.00 oz	-
FP-9318-3A-RK-BKBK	SUPREME	ALUMINUM	SCREW-LOCKING	23kN	9kN	9kN	4.30"	2.38"	0.46"	3.00 oz	-
FP-9318-3A-RK-SVSV	SUPREME	ALUMINUM	SCREW-LOCKING	23kN	9kN	9kN	4.30"	2.38"	0.46"	3.00 oz	-
FP-9318-3A-SK-BKBK	SUPREME	ALUMINUM	STRAIGHT GATE	23kN	9kN	9kN	4.31"	2.38"	0.42"	3.00 oz	-
FP-9318-3A-SK-BLSV	SUPREME	ALUMINUM	STRAIGHT GATE	23kN	9kN	9kN	4.31"	2.38"	0.42"	3.00 oz	-
FP-9318-3A-SK-SVSV	SUPREME	ALUMINUM	STRAIGHT GATE	23kN	9kN	9kN	4.31"	2.38"	0.42"	3.00 oz	-
FP-9326-3A-AP-BKBK	TAZO III	ALUMINUM	SCREW-LOCKING	23kN	8kN	8kN	4.51"	2.48"	0.70"	3.00 oz	-
FP-9351-1A-AK-BKBK	PRIMO	ALUMINUM	AUTO-LOCKING	23kN	7kN	7kN	8.65"	2.31"	0.70"	9.00 oz	-

HOOK



SNAP HOOKS

In accordance with ANSI regulations, any carabiner or snap hook used in a fall arrest system must be steel, auto-locking and the gate must be strength rated at 16 kN (3,600 lb). The minimum strength of the major axis is 22.2 kN (5,000 lb). While aluminum is lighter, steel is far more durable and remains the go-to choice for high strength and heavy duty applications. Our high strength line of carabiners and snap hooks come in several different sizes, shapes and colors, that not only meet but exceed the minimum standards for a large variety of industries and applications.





SNAP HOOKS

ALUMINUM



TUDOR
FP-8001-1A-AK-SVRD

KEY NOSE

Finish : Anodized
MBS : 32 kN



ALUMINUM



TUDOR
FP-8001-1A-AP-SVBL

PIN NOSE

Finish : Anodized
MBS : 32kN



ALUMINUM



TUDOR
FP-8001-1A-AK-BKBK

KEY NOSE

Finish : Anodized
MBS : 32 kN



ALUMINUM



TUDOR
FP-8001-2A-AK-BKBK

KEY NOSE

Finish : Anodized
MBS : 32 kN



ALUMINUM



METILLO
FP-8003-1A-AK-BLSV

KEY NOSE

Finish : Anodized
MBS : 32 kN



ALUMINUM



POSEIDON
FP-8009-1A-AK-BLSV

KEY NOSE

Finish : Anodized
MBS : 27 kN



SNAP HOOKS



STEEL

MAXI 2
FP-6013-5S-AKH-BKBK

KEY NOSE



Finish : Cadmium
MBS : 23 kN



STEEL

MAXI 2
FP-6013-2S-AK-GLGL

KEY NOSE



Finish : Cadmium
MBS : 23 kN



STEEL

MAXI 2
FP-6013-5S-AKH-GLGL

KEY NOSE



Finish : Cadmium
MBS : 23 kN



STEEL

COBRA
FP-6020-1S-AK-SVSV

KEY NOSE



Finish : Cadmium
MBS : 23 kN



STEEL

SECTOR
FP-6026-1S-AKS-GLGL

KEY NOSE



Finish : Cadmium
MBS : 23 kN



STEEL

INFINITY
FP-6033-2S-AK-GLGL

KEY NOSE



Finish : Cadmium
MBS : 23 kN

ITEM NUMBER	MATERIAL	NOSE TYPE	GATE OPENING	STRENGTH	LENGTH	WIDTH	WEIGHT	ANSI Z359.12-2009 COMPLIANT**
FP-6013-5S-AKH-BKBK	STEEL	KEY NOSE	1.00"	23 kN	5.56"	2.33"	0.88oz	✓
FP-6013-2S-AK-GLGL	STEEL	KEY NOSE	1.06"	25 kN	5.58"	2.33"	0.69oz	-
FP-6013-5S-AKH-GLGL	STEEL	KEY NOSE	0.88"	60 kN	6.57"	3.01"	1.14oz	✓
FP-6020-1S-AK-SVSV	STEEL	KEY NOSE	0.44"	23 kN	7.23"	2.20"	0.75oz	-
FP-6026-1S-AKS-GLGL	STEEL	KEY NOSE	0.81"	23 kN	7.33"	2.20"	0.75oz	-
FP-6033-2S-AK-GLGL	STEEL	KEY NOSE	2.50"	25 kN	8.46"	4.78"	1.63oz	-
FP-8001-2A-AK-BKBK	ALUMINUM	KEY NOSE	1.18"	32 kN	5.26"	2.89"	0.31oz	-
FP-8001-1A-AK-SVBL	ALUMINUM	PIN NOSE	1.18"	33 kN	5.33"	2.77"	0.25oz	-
FP-8001-1A-AK-BKBK	ALUMINUM	KEY NOSE	1.18"	33 kN	5.33"	2.71"	0.25oz	-
FP-8001-1A-AK-SVRD	ALUMINUM	KEY NOSE	1.18"	33 kN	5.33"	2.77"	0.25oz	-
FP-8003-1A-AK-BLSV	ALUMINUM	KEY NOSE	1.06"	27 kN	6.17"	2.65"	0.44oz	-
FP-8009-1A-AK-BLSV	ALUMINUM	KEY NOSE	2.50"	23 kN	9.44"	4.68"	1.00oz	-



TCH-605

Buckle

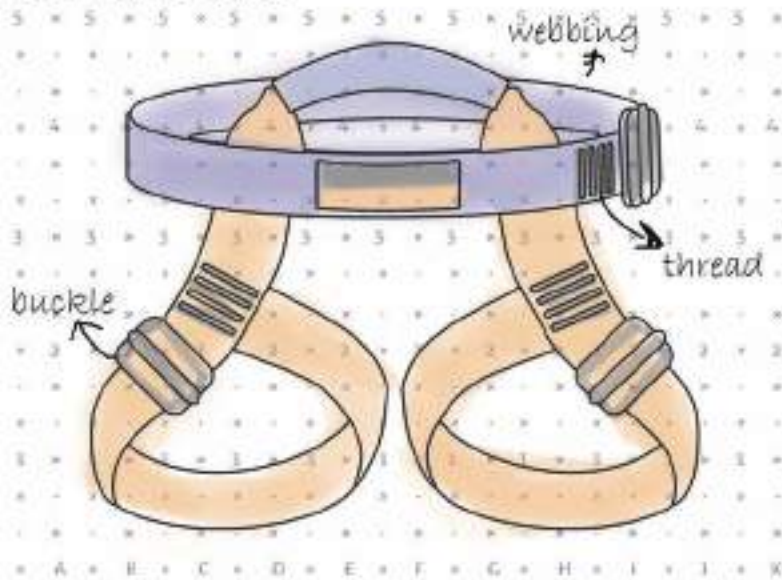
HARNESS

D-ring

3D EVA Foam
Padding

Buckle

TCH-107-2139-3



HC-550



HARNESSES

FUSION is your go-to manufacturer for the latest in handcrafted harnesses and innovative outdoor adventure products! We design & manufacture a wide variety of durable, affordable harnesses that will keep you safe and secure while you have fun traversing rock faces, for use on the job or for tactical purposes. Browse our selection to find the harness that best suits your needs and applications! Made in the USA! We continuously strive to improve our existing line and come up with new products that not only meet but exceed the safety standards (UIAA, CE/EN, ANSI) yet are affordable and practical enough for the everyday adventurer to the professional climber, as well as the outdoor enthusiast. Stay tuned for more products to meet your every outdoor need!





STYLE OF FUSION HARNESS

FULL BODY HARNESS

A full body harness is a holding device that the user wears to protect themselves from accidental falls. Full body harness minimizes the risk of injury caused by a fall by distributing the force of the fall over a large area of the body and keeping the subject of the fall upright and suspended. Body belts were previously used for fall protection, but were deemed unsafe and discontinued by OSHA in 1988 due to body belts causing internal injuries. Fusion full body harnesses come in two different styles; H-style and V-style.



H-STYLE FULL BODY HARNESS
(TCH-203-H)



V-STYLE FULL BODY HARNESS
(TCH-603)

HALF BODY HARNESS

We offer various types of Half Body Harness that is easily adjustable at the thigh straps and shoulders. These are comfortable to wear and also easy to use. It helps to provide protection against safety falls, industry fall etc. our products are made of using the best quality plastic sourced from the most reliable vendors in the market. We offer our products at the best prices in the market which is the main reason for the demand of our product.



HALF BODY HARNESS
(KH-103)

CHEST HARNESS

Chest harness designed to be used with a seat harness. Safe and fully adjustable fast-pass buckles on the shoulders with polyurethane back plate to keep the harness together. Reinforcement loops for webbing so the harness can last longer where the carabiner clips in.



CHEST HARNESS
(CH-200)

SPECIALTY HARNESS

We offer various types of Half Body Harness that is easily adjustable at the thigh straps and shoulders. These are comfortable to wear and also easy to use. It helps to provide protection against safety falls, industry fall etc. our products are made of using the best quality plastic sourced from the most reliable vendors in the market. We offer our products at the best prices in the market which is the main reason for the demand of our product.



SPECIALTY HARNESS
(TZP-555)

RESCUE HARNESS

Our rescue harnesses are one-of-a-kind convertible. Users place the belts around their waists and when needed, open the middle flap to reveal hidden straps that conveniently turn into a half body harness. Perfect for last-minute climbing and rappelling use on the field.



RIGGERS BELT WITH POUCH



OPEN THE POUCH
PULL THE LEG STRAP
DOWN.



RESCUE HARNESS



FUSION HARNESS ELEMENTS

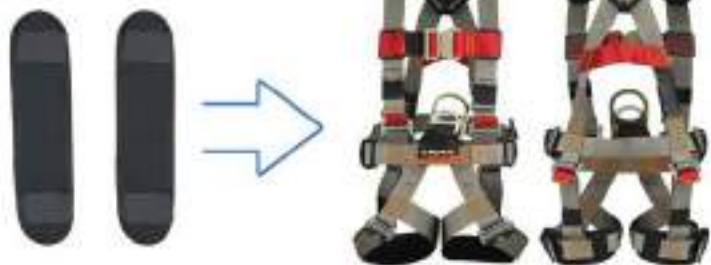
SHOULDER PAD

Fusion harnesses come equipped with a variety of shoulder pads for a comfortable, yet snug fit every time. X-pads fit our H-style harnesses like the TAC-SCAPE TACTICAL (TCH-501) and the PLEMISTIS (TCH-203). V-pads come standard on the original TAC-SCAPE (TCH-603) and TAC-RESCUE (TCH-608). Our 2-piece pad is an interchangeable pad capable of adapting to almost any harness.

X-PAD



2 PIECE-PAD



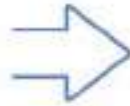
V-PAD



WAIST PAD

Much like our shoulder pads, we offer waist padding in a variety of different options. Padded waist support can decrease user fatigue during prolonged usage. Lumbar support is also vital when carrying additional equipment or descending with heavier packs or loads

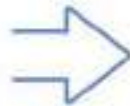
FLAT BIG PAD



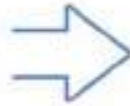
FLAT SMALL PAD



3D EVA FOAM PAD



3D EVA FIT PAD



2 PIECE WAIST PAD



LEG PAD

Optional leg padding provides yet another area to reduce user fatigue and increase comfortability.

NORMAL



SMALL "L" PAD



LARGE "L" PAD



HARDWARE

ALUMINUM QUICK RELEASE BUCKLE



ALUMINUM RAPTOR BUCKLE
5,000 lb rated

STEEL QUICK RELEASE BUCKLE



STEEL PRESTO BUCKLE
5,000 lb rated

INSERTION BUCKLE



ADJUSTABLE BUCKLE



D-RING



O-RING

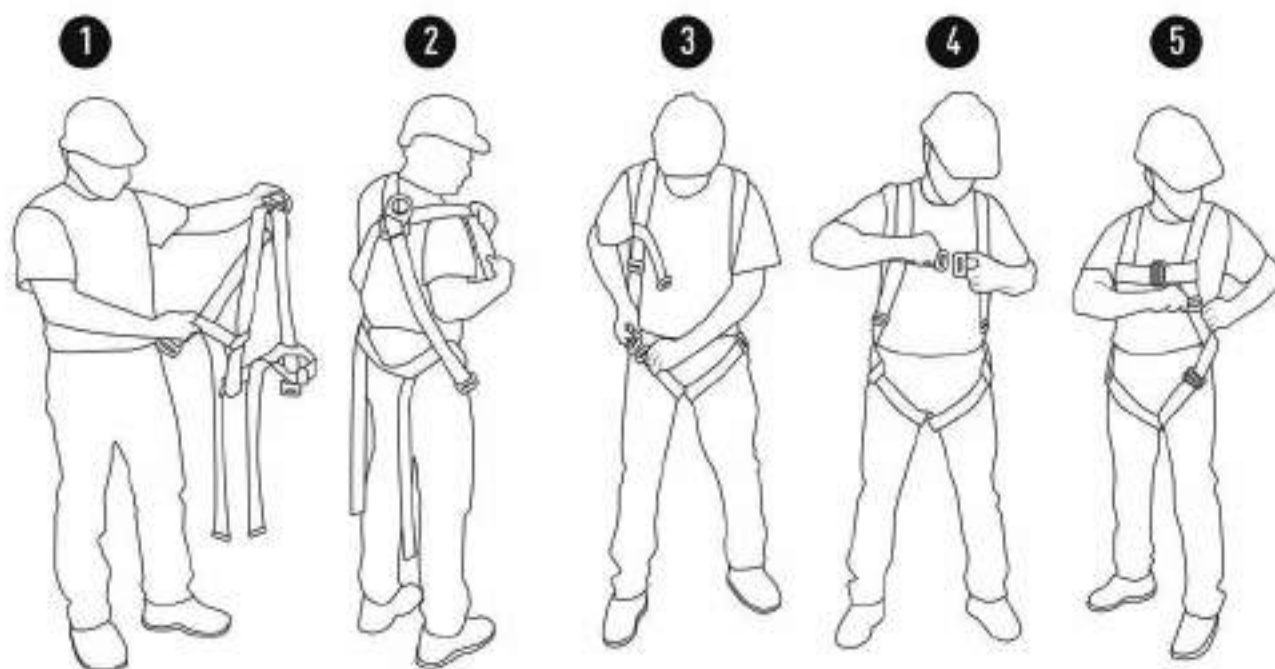


ALUMINUM O-RING



STEEL O-RING

INSTRUCTIONS



1. Find the back "D" ring or plate
2. Stand in an upright position placing harness on shoulders.
3. Connect all leg strap buckles.
4. Connect chest strap.
5. Adjust harness until snug, yet comfortable.

HARNES SIZING CHART

	XS	S	M	L	XL
CHEST	24-34	34-38	38-42	42-46	46-52
WAIST	21-24	24-28	28-33	33-38	38-42
LEGS	16-18	18-20	20-24	24-28	28-32
HEIGHT	3.5-4.5'	4.5-5'	5-5.5'	5.5-6'	6-6.5'



FULL BODY SERIES



FRONT VIEW



BACK VIEW

2

1

2

2

4

4

3

3

PLEMISTIS TCH-203-H MEETS ANSI Z359.11-2014

The PLEMISTIS is a robust harness designed specifically for commercial zip lines and challenge courses. This new generation harness has been 3rd-party tested according to ANSI standards which covers headfirst falls, feetfirst falls and static tests on both the chest and waist connections for restraint application. This harness offers three points of connection and is available V-style and H-style. A full body harness, made with high strength hardware, including steel D-rings, webbing and sewing patterns with T131 nylon bonded thread, that meet and exceeds ANSI requirements, and is available in HD (Heavy Duty). The following versions include a variety of options including 3D EVA Foam padding on the waist and padding for the legs. Like a true zip lining warrior, tackle those challenges with this fully-loaded harness! ANSI Z359.11-2014 Tested & Certified.

1

Presto™ quick-release steel buckles



3

Four fast-pass steel adjuster buckles



2

Back steel D-ring connection points



4

Four rolling steel bars for easy adjustment of the webbing



PLEMISTIS-V TCH-203-V

MEETS ANSI Z359.11-2014

- 1 Three connection point steel D-rings in front



- 2 Back-up steel D-ring in the belay loop area



- 3 Seven adjuster buckles for both the chest, waist and legs



- 4 Padded waist



PLEMISTIS-H TCH-203-H-DLX

MEETS ANSI Z359.11-2014

- 1 Presto™ quick-release steel buckles



- 2 Three steel D-ring connection points



Front

Back

- 3 Eight rolling bars with knurling's for rapid adjustment



- 4 3D EVA Foam padded waist



FRONT VIEW



BACK VIEW

PLEMISTIS-HD TCH-203-H-HD

MEETS ANSI Z359.11-2014

- 1 Presto™ quick-release steel buckle



- 2 Three steel D-ring connection points



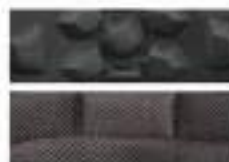
Front

Back

- 3 Eight adjuster buckles



- 4 Waist and leg padding



Option 1
3D EVA Foam

Option 2
Flat mesh padding



FRONT VIEW



BACK VIEW

GLADIUS TCH-202-FB

MEETS ANSI Z359.11-2014

1 Presto™ quick-release steel buckles



2 Three steel D-ring connection points



3 Fast pass steel adjuster buckle



4 Handle



5 Gear loop



FRONT VIEW



BACK VIEW

HOPLON TCH-207

MEETS ANSI Z359.11-2014



FRONT VIEW



BACK VIEW

1 Fast pass steel buckle



2 Steel back D-ring



3 Gear loop



4 Fast-pass steel adjuster buckles



5 Gear loop





STREAK RACER TCH-107-2FB

MEETS ANSI Z359.11-2014

The STREAK RACER is a full body zip line harness constructed of 5,000 lb rated webbing and featuring a variety of heavy-duty hardware. An H-style top, with reinforced stitching of T131 nylon bonded thread, six adjustment points, two anchor points (front belay loop and back steel slotted D-ring) and Presto™ quick-release steel buckles on chest and legs for quick and safe adjustments. Our design Leap of Faith (below), has multiple fast-pass steel adjustable buckles on the chest and leg straps, one gear loop on the side waist, one reinforced belay loop on front waist, a steel D-ring on the back and padded leg straps. Our Streak Racer Pro (next page) has multiple fast-pass steel adjustable buckles, one gear loop on the side waist, two attachment points (a steel D-ring on the front waist and on the back) and elastic seat straps which provide additional comfort for the user. The chest has a 4,000 lb rated Presto™ quick-release steel buckle that allows for quick and secure on/off. Available in black, red and blue. Meets ANSI Z359.11-2014 requirements.



STREAK RACER TCH-107-3FB-BLK

MEETS ANSI Z359.11-2014

- 1 Presto™ quick-release steel buckles
- 2 Fast-pass steel adjuster buckles
- 3 Gear loop
- 4 Steel D-ring
- 5 Belay Loop



STREAK RACER-LEAP OF FAITH TCH-109-FB-LF

MEETS ANSI Z359.11-2014



- 1 Presto™ quick-release steel buckles
- 2 Leap of Faith system & back D-ring
- 3 Fast-pass steel adjuster buckles
- 4 Two gear loop

AVATAR TCH-205-A

MEETS ANSI Z359.11-2014

This harness is manufactured by Fusion Climb using components and techniques that meet or exceed the strength requirements of ANSI Z359.11-2014 standards. Batch testing is performed in accordance with FUSION climb quality control procedures.



1 Rolling steel buckle for easy adjustment of the webbing



2 Back steel D-ring



3 O-ring



4 Quick-release buckle



AVATAR TCH-205-E

MEETS ANSI Z359.11-2014

1 Steel D-ring connection point on back



3 Gear loop



4 Rolling steel bars



5 Fast-pass steel adjuster buckles





FRONT VIEW

BACK VIEW

AVATAR TCH-205-G
MEETS ANSI Z359.11-2014

- 1 Back steel D-ring 
- 2 Quick-release buckle 
- 3 Fast-pass steel adjuster buckles 
- 4 Steel gear ring 

COSMO TCH-206 MEETS ANSI Z359.11-2014

The COSMO is a durable and heavy duty H-style full body harness constructed of 5,000 lb rated reinforced webbing. It has multiple fast-pass steel adjuster buckles on the chest and leg straps, one gear loop on the side waist, two steel slotted rings on the front waist, padded leg straps and one steel D-ring on the back with reinforced polyurethane back plate. This harness provides the utmost in durability to give you long lasting support. Meets ANSI Z359.11-2014 requirements.

- 1 Steel D-ring connection point on back 
- 2 Fast-pass steel adjuster buckles 
- 3 Two steel slotted rings 
- 4 Padded leg straps 



FRONT VIEW

BACK VIEW

CERBERUS

TCH-139-FB



1 Gear loop



2 Rolling steel bars for easy adjustment of the webbing



3 Steel carabiner



4 Fast-pass steel adjuster buckles



VERTIGO TCH-201AP-2106/TCH-201AP-2105

MEETS ANSI Z359.11-2014

This light-weight full body harness is constructed of 5,000 lb rated reinforced webbing and features a variety of heavy-duty hardware. It has multiple steel fast-pass adjuster buckles on the chest. Both legs have 4,000 lb rated Presto™ quick-release steel buckles that allow for quick and secure on/off. Includes two gear loops on the front waist, a single steel lanyard attachment ring on the front chest and one steel D-ring on the back with reinforced polyurethane back plate. Meets ANSI Z359.11-2014 requirements.

1 Back steel D-ring connection points



2 Fast-pass steel adjuster buckle



3 Two gear loops on the front waist



4 Buckle options

OPTION 1

Presto™ quick-release steel leg buckles



TCH-201AP-2106

OPTION 2

Fast-pass steel adjuster buckle



TCH-201AP-2105



VERTIGO BASIC TCH-201A-BLK

MEETS ANSI Z359.11-2014

- 1 Fast-pass steel adjuster buckles



- 2 Reinforced polyurethane back plate



- 3 Steel back D-ring



VERTIGO TCH-201A-2-BLK

MEETS ANSI Z359.11-2014

- 1 Die-electric back D-ring



- 2 Fast-pass black adjuster buckles



- 3 Presto™ quick-release steel buckles



- 4 Fast-pass steel adjuster buckles



PEGASUS TCH-215-FB-ECO

This full body harness features a steel adjuster buckle across the chest, multiple steel slotted D-rings as anchor points and multiple fast-pass steel buckles. This harness comes with two reinforced lanyards and attached seat straps for additional comfort.



- 1 Four steel slotted D-rings 
- 2 Fast-pass steel adjuster buckles 
- 3 Reinforced primary lanyards 
- 4 Seat straps secondary 

SKYLUX TR-320-FB MEETS ANSI Z359.11-2014

The SKYLUX padded full body harness is constructed of 5,000 lb rated reinforced webbing and features a variety of heavy-duty hardware that you adjust from the front only. Two aluminum D-rings on each side of the waist, one steel D-ring on the back with reinforced polyurethane back plate, Raptor™ quick-release aluminum buckle on the chest, and multiple Presto™ quick-release steel buckles on the waist and legs allowing for easy and secure on/off, with a two-piece pad design on waist and padded legs straps.

- 1 Raptor™ quick-release aluminum buckle 
- 2 Steel D-ring on back and both waist sides 
- 3 Multiple Presto™ quick-release steel buckles 
- 4 Padded leg loops 



HARPY

TR-300-FB / TR-300-FB-SW

MEETS ANSI Z359.11-2014



FRONT VIEW



BACK VIEW

1 Quick-release buckle



2 Fast-pass steel adjuster buckles



3 Gear loop



OPTION 1



TR-300-FB

OPTION 2



TR-300-FB-SW

HARPY TR-300-2-FB-X

MEETS ANSI Z359.11-2014

1 Quick-release buckle



2 Fast-pass steel adjuster buckles



3 Gear loop



FRONT VIEW



BACK VIEW

TAC-SCAPE-H TCH-501-3D / TCH-501-FLAT

MEETS ANSI Z359.11-2014

The TAC-Scape H-Style Harness is a heavy-duty full body harness featuring Presto™ quick-release steel buckles on chest, waist and legs for easy on/off. Light-weight aluminum D-rings are included on the side, back and front of the harness. The back and shoulders is a replaceable foam mesh X-Pad and the legs feature inner flat foam replaceable padding for comfort even during long hours of wear. For lumbar support, the waist is equipped with 3D EVA Foam ridged padding. Constructed with industrial type seat straps, the functional adjustable webbed leg straps are for a more stationary position during long hours of wear. The top shoulder D-rings are low for ease in extraction attachments. Available in sizes M-XL. Meets ANSI Z359.11-2014 requirements.



FRONT VIEW

BACK VIEW

1 Presto™ quick-release steel buckles



2 Seven D-ring points of attachment



3 Foam padding options

Waist: 3D EVA Foam



TCH-501-3D

Flat Foam mesh padding



TCH-501-FLAT

4 X-Pad



5 Fast-pass steel adjuster buckles



6 Two gear loops



7 Removeable shoulder pad



8 Polyurethane back plate



TAC-SCAPE-H TCH-501-2

MEETS ANSI Z359.11-2014



1 Presto™ quick-release steel buckles



2 D-ring points of attachment



3 Fast-pass steel adjuster buckles



4 X-Pad



5 Removeable shoulder pad



6 Polyurethane back plate



7 Two leg straps in the front



TAC-RESCUE TCH-603-3D / TCH-603-FLAT

MEETS ANSI Z359.11-2014

This harness comes fully equipped! Inner 3D EVA Foam padded back with ridges to help keep the user cool and comfortable; replaceable flat foam shoulder pads; six points of connection and the aluminum D-ring in the back allowing for free movement and pivoting while in a suspended position; the contour of this harness follows wherever the user's weight is placed throughout. There are two gear loops in back and one steel delta quick link on the waist, five-points of adjustability, with heavy duty leg/chest straps made of 5,000 lb rated nylon webbing. Featuring plated hardware for corrosion resistance, forged hardware parts, with one D-ring on the chest, and positioning and restraint D-rings on each side. Available in Black and Coyote Brown in Sizes M-L. Meets ANSI Z359.11-2014 requirements.



FRONT VIEW

BACK VIEW

1 Presto™ quick-release steel buckles



2 Six D-ring points of attachment



3 Foam waist padding

Waist: 3D EVA Foam



TCH-603-3D

Flat Foam mesh padding on back, shoulders & legs



TCH-603-FLAT

4 Fast-pass steel adjuster buckles



5 Steel delta quick link



6 Two gear loops



7 Adjustable seat straps



TAC-RESCUE VARIATIONS MEETS ANSI Z359.11-2014

CUSTOM BUILT TCH-603 / TCH-603-HV / TCH-603-STEEL / TCH-603-LITE



CUSTOM BUILT TCH-603

- Additional D-rings for hanging equipment/gear
- Adjustable Radio/coms holder with strap
- Custom color stitching



TCH-603-HV

- High visibility reflective strips



TCH-603-STEEL

- All steel D-rings



BASIS TCH-603



TCH-603-LITE

- Lite weight less padding
- Aluminum D-ring

TAC GT FLEX TCH-605-3D / TCH-605-FLAT MEETS ANSI Z359.11-2014

This harness comes fully equipped with inner 3D EVA Foam padding on the waist with ridges to keep the user cool and lumbar-supported, and a replaceable shoulder pad unit for comfort. Six points of connection on this design as well as an O-ring in the back allowing for ease of movement and pivoting of your body while in a suspended position leaving freedom to work on other matters for the arms and upper body, while the contour follows wherever your weight is placed throughout the harness. There are high-visibility strips on the back straps freeing the user from wearing a safety vest and two gear loops. This harness also supports access to a reclining position because of the unique lumbar and leg design. The seat straps for the Tac-Scape are reinforced stitching. Meets ANSI Z359.11-2014 requirements.



- | | | | |
|--|--|--|--|
| <p>1 Presto™ quick-release steel buckles</p>  | <p>2 Six D-ring connector attachments</p>  | <p>3 Supportive Padding
3D EVA Foam Flat Foam</p>   <p>TCH-605-3D TCH-605-FLAT</p> | <p>4 O-ring on the back</p>  |
| <p>5 Two gear loops</p>  | <p>6 High-Visibility strip</p>  | <p>7 Delta quick link</p>  | <p>8 Adjustable seat straps</p>  |

TAC-RESCUE PRO STEEL TCH-608-3D / TCH-608-FLAT

MEETS ANSI Z359.11-2014

FUSION's TAC-Rescue Pro Steel is one of our most popular harness designs based much like our Tac-Scape Flex and used by Fire Department Rescue Teams, USAR teams, helicopter crews and wilderness SAR teams. The unique design of the dorsal D-ring allows adjustment for different size rescuers, but stays in place when loaded, greatly increasing comfort. Three gear loops for storing equipment. The front waist D-ring allows a comfortable, stable sitting position for rappelling, the sternum D-ring works well for helicopter hoists with foam mesh shoulders. Presto™ quick-release steel buckles on shoulder strap and leg loops make donning the harness simple and fast. Molded pads on the leg loops can be adjusted to the most comfortable position. The name and red color is in recognition of our customer's selection of this harness as a versatile, multiple-use apparatus for fire/rescue. Front strap accepts screw-links for adding a chest ascender or safety lanyards. Best for extended periods of suspended work time. Meets ANSI Z359.11-2014 requirements.



1 Presto™ quick-release steel buckles

2 Six points of attachment

3 Supportive padding
Waist 3D EVA Foam

Shoulders/legs Flat
Foam mesh padding



TCH-608-3D

TCH-608-FLAT

4 Fast-pass steel adjuster buckles

5 Three gear loops

6 Delta quick link

7 Adjustable seat straps



TAC-SCAPE LITE TCH-625-3D / TCH-625-FLAT

MEETS ANSI Z359.11-2014

The FUSION TAC-Scape Lite Harness is a modified, lighter version of our original TAC-Rescue Harness, with lighter padding than the Pro Steel and added D-ring for fall arrest. The D-ring in the back allows for free movement and pivoting while in a suspended position and the contour of this harness follows wherever the user's weight is placed throughout. This harness comes equipped with 3D EVA Foam low-profile padding at the lumbar/waist and leg pads, but no padding at the shoulders for increased adjustability. Five points of connection and available in Black and Coyote Brown. Meets ANSI Z359.11-2014 requirements.



FRONT VIEW

BACK VIEW

1 Presto™ quick-release steel buckles



2 Five points of attachment with steel D-rings



3 Foam padding options

Waist: 3D EVA Foam



TCH-625-3D

Flat Foam mesh padding



TCH-625-FLAT

4 Fast-pass steel adjuster buckles



5 Two gear loops



6 Back design



7 Adjustable seat straps



KULA TR-300-FB-X-3D / TR-300-FB-X-FLAT

The KULA fully-padded waist harness features side attachment points designed specifically for use with bungee trampolines. The reinforced nylon attachment point on each hip is for easy setup. Hook and loop material on the leg loops and the high strength Presto™ quick-release steel buckles make the harness very easy to quickly put on and take off. Features an elastic strap to keep legs from spreading. Available with velour pads for extra comfort.



1 Presto™ quick-release steel buckles



2 Full strength side attachment points



3 Foam padding options

Waist: 3D EVA Foam



TR-300-FB-X-3D

Flat Foam mesh padding



TR-300-FB-X-FLAT

4 Padded legs



5 Back design



6 Elastic seat strap





HALF BODY SERIES

APOLLO TCH-101-1-2105+2105 / TCH-101-1-2106+2015 / TCH-101-1-2106+2106

The APOLLO Harness is part of FUSION's half body series and has adjustable, fast-pass steel adjuster buckles for the waist and legs, is comfortable and easy to don and can be used for rappelling out of helicopter and rescue applications. Featuring a single front waist reinforced D-ring connector point, 3D EVA Flat Foam Mesh padding supported waist with 5,000 lb rated webbing and additional rear leg straps for a more secure hold of the legs. Users have the option of fast-pass steel adjuster buckles or Presto™ quick-release steel buckles.



1 Buckle options

TCH-101-1-2106+2105



One Presto™ quick-release steel buckle

TCH-101-1-2106+2106



Three Presto™ quick-release steel buckles

2 Steel front D-ring



3 Padded waist



4 Elastic seat straps



TEKA TCH-101-2-2139-ES

The TEKA black tactical harness is simple to use, versatile and durable. Featuring fast-pass steel adjuster waist and leg buckles, two reinforced tie-in D-rings on the front and back of the waist, elastic seat straps to keep the leg loops close by that are good for mobility while walking or climbing; creates give to leg movement in any position. 1.75" 5,000 lb rated nylon webbing for waist and legs (legs have padding). Comfortable and easy to adjust.



FRONT VIEW



BACK VIEW

1 Three points of adjustment



2 D-rings



3 Padded legs



4 Elastic seat straps



APOLLO LITE TCH-101-2139-3

A step in harness that is simple to use, safe and durable, yet quick to remove. This black tactical harness has fast-pass steel adjustable waist and leg buckles, a single reinforced tie-in D-ring in the front of the waist, padded foam 4" waist and 1.75" 5,000 lb rated webbing. Elastic straps on the legs makes for easy mobility while walking or climbing and creates give to leg movement in any position.



FRONT VIEW



BACK VIEW

1 Fast-pass steel adjuster buckles on waist/legs



2 Front steel D-ring



3 Mesh foam padded waist



4 Elastic leg straps



THEO PRO HC-500-2

FUSION's Theo Pro is a step-in climbing harness with four gear loops, four points of adjustment allowing it to be centered at all times. 3-inch 3D EVA foam mesh padding on both the waist and legs, with double belay loops for tie offs. Leg loops stay securely in place with adjustable elastic seat straps for setting position based on your body type.



FRONT VIEW



BACK VIEW

- 1 Fast-pass steel adjuster buckles



- 2 Gear loops on the side and back



- 3 Padded legs and waist



- 4 Plastic adjustable buckle



THEO LITE HC-550

Theo Lite is our lighter climbing harness with its three points of adjustment, single belay hook in the front, 2 gear loops and a fixed elastic seats straps.



FRONT VIEW



BACK VIEW

- 1 Fast-pass steel adjuster buckles



- 2 Two gear loops on the side



- 3 Padded legs and waist



- 4 Elastic leg straps



SPARTACUS TCH-603-SEAT-3D / TCH-603-SEAT-FLAT

The heavy duty SPARTACUS Harness is the ideal multi-purpose and working harness as well as our most popular units. Features both outer leg and waist Presto™ quick-release steel buckles, is light-weight, quick to don/doff and easily adjustable. Made from 5,000 lb webbing with a reinforced tie-in point and stitching, this harness will last even under high use conditions like a climbing gym or ropes course. 3D EVA Foam padded waist and leg loops keep you comfortable even when worn for long periods. Front, side and rear D-rings for multiple high strength attachment points plus two gear loops to carry your tools.





FRONT VIEW




BACK VIEW


- 1** Presto™ quick-release steel buckles


- 2** Fast-pass steel adjuster buckles



- 3** Foam waist padding
Option 1
3D EVA Foam



TCH-603-SEAT-3D
- Option 2
Flat Foam



TCH-603-SEAT-FLAT
- 4** Adjustable seat straps



CENTAUR DELUXE TCH-107-3D-ES / TCH-107-FLAT-ES

This light-weight harness features a reinforced belay loop, gear loops and 3D EVA foam mesh padded waist and legs. Three-point adjustment and fast-pass steel adjuster buckles on waist and legs for safe, secure adjustment and quick on/off. Also features elastic seat straps for a more secure hold of the leg loops. An ideal harness for indoor climbing gyms, ropes courses and outdoor guides. Made from 5,000 lb rated nylon webbing and weighs under 3 lbs. Available in Adult Size M-XL.



FRONT VIEW



BACK VIEW

- 1** Fast-pass steel adjuster buckles


- 2** Front belay anchor point


- 3** Foam waist padding
Option 1
3D EVA Foam



TCH-107-3D-ES
- Option 2
Flat Foam



TCH-107-FLAT-ES
- 4** Gear loops



CONCERTO TCH-107-2106-3C / TCH-107-2106-BLK

The CONCERTO half body harness is great for the beginner just learning applications, especially utilizing the dual-colored legs, which specify the left from the right, meaning easier on/off. Constructed of high-strength webbing and featuring Presto™ quick-release steel buckles on the waist and leg areas for safe and convenient donning and doffing, this is a simple-to-use climbing harness for the entry to intermediate climbers. It also features a single reinforced waist front tie-in anchor point and 2" waist with 5,000 lb rated webbing.



1 Presto™ quick-release steel buckles on waist/legs



2 Front belay anchor point



3 Dual-colored legs



TCH-10-2106-BLK



CENTAUR TCH-107-2139-3-ES

The CENTAUR Harness is the ideal multi-purpose and rental harness as well as our most popular designs. Featuring both outer leg and waist fast-pass steel adjustable buckles, light-weight and easy adjustability. Made from 5,000 lb webbing with a reinforced tie-in point and stitching, this harness will last even under high use conditions like a climbing gym or ropes course. The Centaur's adjustable buckles on the waist loop and one on the outside of each leg loop assures extra comfort.



1 Fast-pass steel adjustable buckles on waist/legs



2 Front belay anchor point



3 Elastic leg straps



SAVA TCH-108

The MIRAJ Harness has Presto™ quick-release steel buckles on the waist and leg area. Easy to put on, simple to use, features a single reinforced waist front belay loop, 2" wide waist with 5,000 lb rated webbing and wider leg loops providing more comfort for long descents. Available in 3 colors: Black, Coyote Brown and Foliage Green.



1 Presto™ quick-release steel buckles



2 Front belay anchor point



3 5,000 lb webbing with reinforced stitching



PROTO TCH-116-BLK



1 Tactical belt with 2 gear loop



2 Removable leg strap



3 Front belay loop



CHRONIS TR-103-2139-A-ES / TR-103-2139-B-ES / TR-103-2139-C-ES

The CHRONIS half body harness is constructed of 5,000 lb rated webbing and features three fast-pass steel adjustable buckles, one in the front and one on each leg loop. There is a webbed belay loop in the front, webbed rated loop on the back for restraint applications, leg loops with elastic seat straps for extra comfort and a four-inch wide 3D EVA mesh waist pad for lumbar support. Great for climbing activities.



FRONT VIEW



BACK VIEW

1 Fast-pass steel adjuster buckles



2 Gear loop on back



3 Elastic straps



4 SIDE LOOP OPTIONS



TR-103-2139-B-ES

TR-103-2139-C-ES

REBOUNDER TR-300-ML / TR-300-SW-ML



3

1

2

1



1 Presto™ quick-release steel buckles



2 Fast-pass steel adjuster buckles



3 Gear loop



4 OPTIONAL SWIVEL



TR-300-SW-ML

REBOUNDER TR-700

The REBOUNDER is a comfortable bungee harness featuring a foam mesh padded waist and wide, heavily padded legs with a larger surface area for more support jumping. It has two reinforced belay loops on each hip and Presto™ quick-release steel buckles on the waist and each leg for quick and secure on/off.



- 1** Presto™ quick-release steel buckles



- 2** Nylon attachment points on hips



- 3** Fully padded waist and legs



PEGASUS-LITE

TCH-115-ECO-HB

This half body harness features reinforced 5,000 lb rated webbing, has multiple steel slotted D-rings as anchor points and fast-pass steel adjuster buckles. This harness comes with two reinforced lanyards attached as well as seat straps for further comfort. It is applicable to most activities including zip lining and challenge courses.

- 1** Four steel slotted D-rings



- 2** Fast-pass steel adjuster buckles



- 3** Double reinforced lanyards



BD REVOLUTION TR-800

The BD REVOLUTION is our Bungee Dancing half body harness, for the uniqueness in you! Raptor™ quick-release aluminum buckles on the waist and leg areas securely holds the user who is typically suspended indefinitely. Simple to use, with two side O-rings and reinforced O-rings on the front waist and back this is the perfect harness to perform or train with! A foam mesh supported waist with 5,000 lb rated webbing and additional rear leg straps with padding, for a more secure hold of the legs. This harness is comfortable and easy to put on.



FRONT VIEW



BACK VIEW



- 1 Raptor™ quick-release aluminum buckle



- 2 Front connection



- 3 Waist connection



- 4 Foam mesh padding





ARBORIST TCH-400

The newest addition to the Fusion family is our Arborist Harness. Featuring a secondary, extended length, reinforced belay loop with O-ring, 3D EVA foam waist for lumbar support, padded legs, 6 points of adjustment via four Raptor™ quick-release aluminum buckles and two rear fast-pass steel adjustable buckles with adjustable back leg webbing. Four D-rings on each hip, front and back and each hip side, and two O-rings on the front. Made from 5,000 lb tested webbing and weighing 5 lbs, this harness is made for safety!



- 1** Raptor™ quick-release aluminum buckle



- 2** Positioning O-ring



- 3** Snag-free O-ring



- 4** Foam mesh padding



- 5** Fast-pass steel adjustor buckles



- 6** Gear loop



ROAR TZP-555

MEETS ANSI Z359.11-2014

Imagine zip lining in a hammock! The ROAR Harness is light weight, only 4 lbs and designed for maximum overall comfort on long zip line rides creating a smooth and enjoyable excursion. This ergonomically designed harness is supported with a seat style harness, that is fully padded throughout with 3D EVA mesh contour foam padding the back and supporting the lumbar area, with wide padded leg loops providing comfort on extended rides. Multiple adjustment points - two points of attachment reinforced by four connector loops - to keep the rider balanced and Presto™ quick-release steel buckles on the torsal and legs for ease when securing in or getting out. Includes gear loops, with an optional storage pouch for stashing personal belongings. All material, from webbing to stitching to craftsmanship, are manufactured in accordance to standards established by ANSI Z359.11-2014. The shoulder straps allow users of different body shapes to adapt the apparatus to their body shape and will not bunch due to the polyurethane back plate with D-ring. Features coated nylon on the outside for moisture wicking and quick-dry washing.



BACK VIEW



FRONT VIEW

1

4

2

3

3

2

1

Three Presto™ quick-release steel buckles on legs & chest.



2

Mesh padding



3

Four Connection loops



4

Back up D-ring



ROAR HARNESS WITH HEAD SUPPORT

TZP-555-HS MEETS ANSI Z359.11-2014

Originally designed to allow people with disabilities to enjoy the thrilling experience of ziplining, this harness is perfect for adventurers with disabilities. Similar to the standard ROAR TZP-555, the HS model provides extra support for the head and neck. Has four loops for secure carabiner clip-ons. Legs and chest designed to easily secure in or take off with Presto™ quick-release steel buckles. Legs and chest designed to easily secure in or take off with Presto™ quick-release steel buckles. Headrest is made of water resistant PVC material with two permanently attached lanyards that can be adjusted up to 19". This harness is designed with teenaged-sized kids to petite adults in mind.

DESIGNED SPECIFICALLY TO ACCOMMODATE PEOPLE WITH DISABILITIES! (HEAD/NECK SUPPORT)



HEAD SUPPORT

FRONT VIEW

BACK VIEW

4 Head & neck support

1 Three Presto™ quick-release steel buckles on the legs and chest.



2 Mesh padding



3 Reinforced connection loops



SKYFLEX TZP-688 MEETS ANSI Z359.11-2014

The SKYFLEX full body H-style harness that offers comfort and versatility all-in-one. Designed with six points of connection and featuring a 1.75" double layer brass heavy duty grommet belt with tongue buckle bound together with industrial strength bonded T131 nylon thread. This is a great harness for general construction and aerial/vertical works. The soft webbing is for added overall comfort without compromising strength or safety. Users back is supported from the shoulders with a foam mesh X-pad, with a wide waist of ridged 3D EVA Foam for lower lumbar support and a polyurethane back plate with D-ring. There are two gear loops, two tool rings and back elastic seat straps for the bosun seat keeping the harness in a comfortable position when working long hours in a suspended position. The chest and legs straps use Presto™ quick release buckle that allows the user for quick donning and doffing of the harness. Meets ANSI Z359.11-2014 requirements.



1 Three Presto™ quick-release steel buckles on the legs and chest.



2 Six steel D-rings



3 Fast-pass steel adjustable buckles



4 3D EVA Foam padded lumbar support



5 Waist grommet and tongue buckle



6 X-Pad

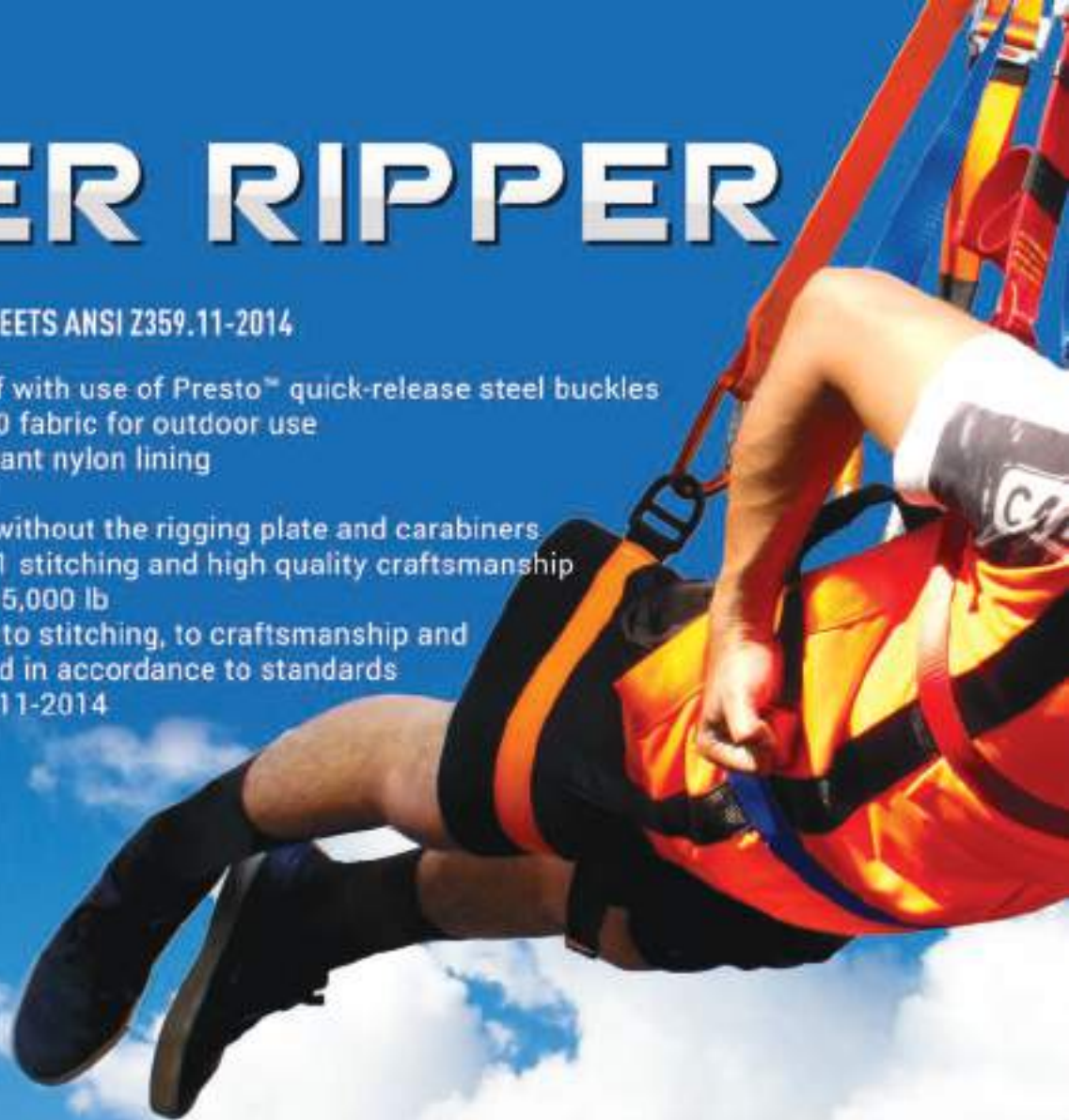
7 Wood inside



SUPER RIPPER

TZP-588-2 (HARNESS) MEETS ANSI Z359.11-2014

- Easy to put on and take off with use of Presto™ quick-release steel buckles
- Made of durable denier 900 fabric for outdoor use
- Designed with water resistant nylon lining
- Webbing rated to 5,000 lb
- Can be purchased with or without the rigging plate and carabiners
- Durable nylon bonded T131 stitching and high quality craftsmanship
- Hardware rated to at least 5,000 lb
- All material, from webbing to stitching, to craftsmanship and hardware are manufactured in accordance to standards established by ANSI Z359.11-2014
- Sizes: M-XL
- Made in the USA





**TZP-588-2-COMBO-BLK
ALL BLACK**

**COMPLETE SYSTEM
WITH ALL RIGGINGS**

TZP-588-2-COMBO

- Superman Style Zip Line Harness
- Four points of adjustment to accommodate all types of rigging systems
- Single connection point

**TZP-588-AS
ANCHOR SPREADER SET**



**TZP-588-60-COMBO
COLOR CODED ADJUSTABLE LANYARDS**



CHEST HARNESS

STIKA CH-200

The STIKA chest harness features 1.75" durable polyester material and is designed to be used with a seat harness. This torso harness is not just for kids, but also works for when user needs to convert a half body harness to a full body. Including fast-pass steel adjuster buckles on the chest with a polyurethane back plate to prevent bunching and D-ring. Includes reinforcement loops for webbing so the harness can last longer where the carabiner clips in.

1 Reinforced loops



2 Fast-pass steel adjustable buckles



3 Polyurethane back plate



3

2

1



TYCHE CH-201

The TYCHE is a light weight, basic chest harness featuring 1.75" durable polyester material and designed to be used with a seat harness. Fast-pass steel adjuster buckles on the waist for quick and safe adjustments and a polyurethane back plate with D-ring preventing bunching. Includes reinforcement loops on webbing so the harness can last longer where the carabiner clips in. This is also a torso harness that is a light and easy addition to users half body harness with front connects, especially for water rescue applications. This chest harness is simple to attach for front and back line connection. Harness is not to be used by itself! No solo suspension. Not for kids.



3

2

1



1 Reinforced loops



2 Fast-pass steel adjuster buckles



3 Polyurethane back plate



HEMERA TCH-300

The HEMERA H-style carrier system chest harness features fast-pass steel adjustable buckles for safe, quick adjustments and Raptor™ quick-release aluminum buckles (rated 4,000 lb) on the chest and waist for easy on/off. Constructed of 5,000 lb nylon webbing with reinforced stitching, includes a removable back pouch to hold necessary items and features inner velcro lining for closure and velcro lined straps for easy on/off.



FRONT VIEW



BACK VIEW

1 Raptor™ quick-release aluminum buckle



2 High-Visibility strip



3 Removable pouch



SPARTACUS CH-603-SHD

The SPARTACUS Y-style chest harness compliments the SPARTACUS half body harness. Constructed of 1.75" durable polyester material with reinforced stitching and comfortably padded shoulders and back. Front and back aluminum D-rings for multiple connection points and a front Presto™ steel quick-release buckle for easy on/off.



FRONT VIEW



BACK VIEW

1 Presto™ quick-release steel buckle



2 Fast-pass steel adjuster buckles



3 Aluminum D-ring



4 Padded shoulder/back



ARES TCH-500

The ARES Chest Harness Battle Belt System features a detachable 3D EVA Foam padded shoulder support system to distribute weight throughout the harness, and a waist support with 3D EVA Foam ridges to keep the user cool throughout wear. Includes 6 Raptor™ quick-release aluminum buckles with one on the chest and five on the waist for safe and quick on/off. Constructed of 5,000 lb rated webbing with reinforced stitching for extra durability and security. Bottom harness is equipped with a removable Riggers Belt and molle's on the outside to hold radios and other tactical accessories. There are two aluminum D-rings in front and a reinforced loop on the back.



BACK VIEW

FRONT VIEW

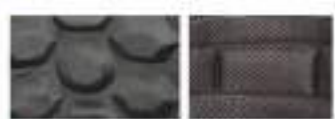
1 Six Raptor™ quick-release aluminum buckles



4 Padded shoulders



2 3D EVA Foam waist padding



5 Removable Shooters Belt on the waist



3 Two front aluminum D-rings





RESCUE HARNESS

GRIFFIN RH-1211-32 / RH-1211-22 / RH-1321-32 / RH-1211-21-3C

The GRIFFIN is the pouch version the popular MIRAJ with all the same specs including a built-in, heavy duty 800D nylon pouch to store the harness when not in use. Just a quick pull on the pouch and the harness drops down - ready for use. This harness could be put on in as fast as 10 seconds with practice. The GRIFFIN features a reinforced web front connection point with 5,000 lb rated webbing throughout the construction of the harness. In the GRIFFIN's engineering, there is a wide leg strap creating a larger surface area for added comfort and support when doing long rappel exercises. All bar-tack stitching is 5,000 lb rated. This tactical harness also features the Raptor™ quick-release aluminum buckles with a 4,000 lb rating for both waist and leg adjustment.

RB BELT WITH POUCH



OPEN THE POUCH



PULL OUT THE LEG STRAPS



FRONT VIEW



BACK VIEW

1 Raptor™ quick-release aluminum buckle



2 Front tie-in anchor point



COLOR OPTIONS

3 COLOR



RH-1121-21-3C

BLACK



RH-1211-22

COYOTE BROWN



RH-1211-32

FOLIAGE GREEN



RH-1321-32

SKY KIDS

KH-201A



MEETS ANSI Z359.11-2014

This full body harness is constructed of 5,000 lb rated webbing and features a variety of heavy-duty hardware; including fast-pass steel adjustable buckles on the shoulders, padded leg straps, two gear loops on the front waist and an aluminum D-ring (rated 23kN) on the back. This harness is great for activities requiring fall safety protection such as zip lining and challenge courses.



FRONT VIEW



BACK VIEW

ADVENTAR KIDS KH-201B

MEETS ANSI Z359.11-2014

A full body harness constructed of 5,000 lb rated webbing and features a variety of heavy-duty hardware: Multiple fast-pass steel adjustable buckles on the shoulder and leg straps, one gear loop on the side waist, a steel D-ring on the back and padded leg straps. The chest has a 4,000 lb rated Raptor™ quick-release aluminum buckle that allows for quick and secure on/off. This harness is great for activities requiring fall safety protection such as zip lining and challenge courses.



FRONT VIEW



BACK VIEW



CENTAUR KIDS

The KH-103 is the kids' version of our popular Centaur harness. Our most popular harness for children with fast-pass steel adjustable buckles on the waist and legs. The belay loop on the front is reinforced with a double layer of webbing to ensure maximum safety.

AVATAR KIDS

KH-205D-2106

MEETS ANSI Z359.11-2014



This harness is manufactured by Fusion Climb using components and techniques that meet or exceed the strength requirements of ANSI Z359.11-2014 standards. Batch testing is performed in accordance with FUSION climb quality control procedures.



FRONT VIEW

BACK VIEW

PLEMISTIS KIDS

KH-203 MEETS ANSI Z359.11-2014



FRONT VIEW

BACK VIEW

STREAK RACER-LEAP OF FAITH

KH-109-FB-LF MEETS ANSI Z359.11-2014

The STREAK RACER is a full body zip line harness constructed of 5,000 lb rated webbing and featuring a variety of heavy-duty hardware. An H-style top, with reinforced stitching of T131 nylon bonded thread, six adjustment points, two anchor points (front belay loop and back steel slotted D-ring) and Presto™ quick-release steel buckles on chest and legs for quick and safe adjustments. Our design Leap of Faith (below), has multiple fast-pass steel adjustable buckles on the chest and leg straps, one gear loop on the side waist, one reinforced belay loop on front waist, a steel D-ring on the back and padded leg straps. Our Streak Racer Pro (next page) has multiple fast-pass steel adjustable buckles, one gear loop on the side waist, two attachment points (a steel D-ring on the front waist and on the back) and elastic seat straps which provide additional comfort for the user. The chest has a 4,000 lb rated Presto™ quick-release steel buckle that allows for quick and secure on/off. Available in black, red and blue. Meets ANSI Z359.11-2014 requirements.



FRONT VIEW

BACK VIEW

REBOUNDER KIDS

TR-300-FB-XXS / TR-300-FB-SW-S



FRONT VIEW



BACK VIEW



TR-300-FB-SW-S



TR-300-SW / TR-300

A fully padded waist harness with side attachment points designed specifically for use with bungee trampolines. The two reinforced nylon attachment points on each hip are different colors for easy setup. Hook and Loop material on the leg loops and the high strength Presto™ quick-release steel buckle make the harness very easy to put on and take off.



FRONT VIEW



BACK VIEW



TR-300-SW-S



HARNESSES SUMMARY

FULL BODY HARNESSES



TCH-107-2FB



TCH-107-3FB



TCH-109-LF



TCH-109-LF-2



TCH-139-FB



TCH-201A-BLK



TCH-201A-2-BLK



TCH-201AP-2105



TCH-201AP-2106



TCH-202-FB-GL



TCH-203-H-DLX



TCH-203-H



TCH-203-H-HD



TCH-203-V



TCH-205A



TCH-205G



TCH-205E



TCH-206



TCH-207



TCH-215-ECO-NP



TCH-501



TCH-501-2



TCH-603-FL



TCH-603-3D



TCH-603-HV



TCH-603-RED



TCH-603-STEEL



TCH-605



TCH-608



TCH-625



TR-300-FB-X



TR-300-FB



TR-300-SW



TR-300-2-FB-X



TR-300-FB-SW-S



TR-300-FB-XXS



TR-320-FB-SM



KH-109-FB



KH-201A-BLK



KH-201A-ORG



KH-201B



KH-203



KH-205D-2106

HALF BODY HARNESS



HC-500-2



HC-550



KH-103



TCH-101-1-2105+2105



TCH-101-1-2106+2105



TCH-101-1-2106+2105-RED



TCH-101-1-2106+2106



TCH-101-1-2139+2139



TCH-101-2-2139-ES



TCH-107-2139-3-ES



TCH-107-2106



TCH-107-2106-3C



TCH-107-FL



TCH-107-3D



TCH-107-2-PD



TCH-108-BLK



TCH-116-BLK



TCH-400



TCH-603-SEAT



TCH-603-SEAT-BLU



TR-103-2139-A-ES



TR-103-2139-B-ES



TR-103-2139-C-ES



TR-300-M



TR-300-S



TR-300-SW-M



TR-300-SW-S



TR-700



TR-800-ORG



TR-800-BLK



TCH-115-ECO



TCH-115-ECO-PD



RH-1121-21-3C



RH-1211-22



RH-1211-32



RH-1321-32

CHEST HARNESS



CH-200



CH-201



CH-500



CH-300



TCH-603-SHD

SPECIALTY HARNESS



TCH-688



TZP-555



TZP-555-HS



TZP-588





LANYARDS & WEBBING

We offer a various selection of safety lanyards that can be used for different applications. Safety lanyards are a workers vital link to their fall protection anchor point. Lanyards are typically short sections of webbing or cable that are usually attached to the D-ring of a fall protection harness. Lanyards can come with a shock absorbing feature or simply be a short connection that attaches to a lifeline or fall protection anchor point. Y-Lanyards allow the user to work and navigate obstacles while remaining tied-off completely at all times.





HITCHED LOOP

FLAT LOOP

GEAR LOOP

SOFT RUBBER HANDLE

ROUND RUBBER HANDLE

LARGE LOOP

CONNECTOR AND HARDWARE OPTIONS

FUSION's connector and snap hook options vary as you can see. These provide you with the security to get your job done safely. Remember the 3,600 lb gate rule that ANSI Z359 requires, and OSHA adopted, when choosing your lanyard.



CARABINERS



SHACKLES



HOOKS

WEBBING TYPE

Choosing the proper lanyard includes determining the proper webbing type to be used, the correct length and even the standards to which the product must meet such as ANSI Z359.12-2009.

Webbing comes in various styles, and depending on the many different webbing used in lanyards, needs to be determined for either highly abrasive, corrosive or flammable environments. Be sure to recognize the working hazards that your fall protection gear could be exposed to and consult with a competent person, as defined by OSHA, to determine the best lanyard to choose.



FLAT



ELASTIC



ROPE



DIE-ELECTRIC

SHOCK ABSORBERS

Lanyards can be created with a choice of shock absorbers as well as connector and hook options. FUSION's shock absorbers are designed in pack or tubular design, that is either stretchable or non-stretchable.

FUSION's shock absorbers are made to ANSI Z359.13-2013 standards.



STANDARD METHOD OF MEASUREMENT

The standard method in which FUSION calculates and measures the effective length of a lanyard is simple. For lanyard type with loop to loop or loop to hardware configuration, one should start measurement from one end of the inside edge of the loop or hardware, to the other end of the inside edge of the loop or hardware.



ADJUSTABLE OR STRETCH-TYPE LANYARD MEASUREMENT

For adjustable or stretch-type lanyard, the way in which we take our measurement will be to start your measurement from one end of the lanyard. (Inner edge of the metal/connector or loop to the other inner edge of the metal/metal connector or loop.) The effective length claimed in the specs will be the maximum length that the lanyard will adjust to. The minimum length for the adjustment of the lanyard will vary, and should not be specified. (Note: The stated length will be the fully stretched length, not retracted length.)

LENGTH

The length of the lanyard is a critical consideration as well. While lanyards vary in length, the standard lanyard is 6 feet long. Shorter and longer lengths can be used if determined safe to use by your competent person. Minimizing the free fall distance is a big consideration when selecting the proper length.

FUSION Tactical HELO Retention Lanyard

The FUSION HELO Retention Lanyard is constructed for rescue use on helicopters and is available in standard extended lengths of 2, 3 and 4 ft. Custom lengths are available on request. Being a critical piece of gear, it's extended length is made to allow you to sit on planks. Stainless steel quick-release shackles are used and rated at 18 kN with a swaged pin and a welded ring to prevent accidental release. Opening of shackle diameter is 1/4". MIL-SPEC rated tubular webbing is 4,000 lb rated, with thread made of industrial grade nylon bonded T-131 thread for maximum strength of load bearing equipment.

The ends of the lanyards can include webbing loops, rubberized handle bars, aluminum snaphooks or carabiners. FUSION is a California-based manufacturer; we can customize products to fit your needs with a fast turnaround. Please contact our knowledgeable sales representatives for more info.



SINGLE LEG LANYARD WITH FP-8001+FP-2999

LH-32-8001-2999-BK24



KEY NOSE



FP-2999 SHACKLE



Length	BLK	CYB
2'	LH-32-8001-2999-BK24	LH-32-8001-2999-CB24
3'	LH-32-8001-2999-BK36	LH-32-8001-2999-CB36
4'	LH-32-8001-2999-BK48	LH-32-8001-2999-CB48

SINGLE LEG LANYARD WITH FP-9001+FP-2999

LH-32-9001-2999-BK24



HIGH STRENGTH GATE



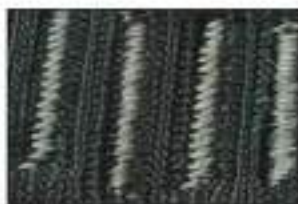
WEBBING



Length	BLK	CYB
2'	LH-32-9001-2999-BK24	LH-32-9001-2999-CB24
3'	LH-32-9001-2999-BK36	LH-32-9001-2999-CB36
4'	LH-32-9001-2999-BK48	LH-32-9001-2999-CB48

SINGLE LEG LANYARD WITH FROG+FP-2999

LH-32-FROG-2999-BK24



Length	BLK	CYB
2'	LH-32-FROG-2999-BK24	LH-32-FROG-2999-CB24
3'	LH-32-FROG-2999-BK36	LH-32-FROG-2999-CB36
4'	LH-32-FROG-2999-BK48	LH-32-FROG-2999-CB48

SINGLE LEG LANYARD WITH FP-8001+FROG

LH-32-8001-FROG-BK24



Length	BLK	CYB
2'	LH-32-8001-FROG-BK24	LH-32-8001-FROG-CB24
3'	LH-32-8001-FROG-BK36	LH-32-8001-FROG-CB36
4'	LH-32-8001-FROG-BK48	LH-32-8001-FROG-CB48

FUSION Tactical HELO Retention Lanyard



SINGLE LEG LANYARD WITH HITCHED LOOP+FP-2999

LH-32-HL-2999-BK24



HITCHED LOOP



FP-2999 SHACKLE



Length	BLK	CYB
2'	LH-32-HL-2999-BK24	LH-32-HL-2999-CB24
3'	LH-32-HL-2999-BK36	LH-32-HL-2999-CB36
4'	LH-32-HL-2999-BK48	LH-32-HL-2999-CB48

SINGLE LEG LANYARD WITH HITCHED LOOP+FP-8001

LH-32-HL-8001-BK24



HITCHED LOOP



KEY NOSE



Length	BLK	CYB
2'	LH-32-HL-8001-BK24	LH-32-HL-8001-CB24
3'	LH-32-HL-8001-BK36	LH-32-HL-8001-CB36
4'	LH-32-HL-8001-BK48	LH-32-HL-8001-CB48

SINGLE LEG LANYARD WITH FP-8001+FP-8001

LH-32-8001-8001-BK36



Length	BLK	CYB
2'	LH-32-8001-8001-BK24	LH-32-8001-8001-CB24
3'	LH-32-8001-8001-BK36	LH-32-8001-8001-CB36
4'	LH-32-8001-8001-BK48	LH-32-8001-8001-CB48

SINGLE LEG LANYARD WITH HITCHED LOOP+FP-8001

LH-32-9320SG-8001-BK24



SCREW LOCK



Length	BLK	CYB
2'	LH-32-9320SG-8001-BK24	LH-32-9320SG-8001-CB24
3'	LH-32-9320SG-8001-BK36	LH-32-9320SG-8001-CB36
4'	LH-32-9320SG-8001-BK48	LH-32-9320SG-8001-CB48

FUSION Tactical HELO Retention Lanyard

TWIN LEG LANYARD WITH FP-8001+FP-2999

LYH-32-8001-2999-BK36



ELASTIC WEBBING



LANYARD DETAIL

Length	BLK	CYB
2'	LYH-32-8001-2999-BK24	LYH-32-8001-2999-CB24
3'	LYH-32-8001-2999-BK36	LYH-32-8001-2999-CB36
4'	LYH-32-8001-2999-BK48	LYH-32-8001-2999-CB48

TWIN LEG LANYARD WITH FP-8001+FP-2999

LYH-12-8001-2999-BK36



FLAT WEBBING



LANYARD DETAIL

Length	BLK	CYB
2'	LYH-12-8001-2999-BK24	LYH-12-8001-2999-CB24
3'	LYH-12-8001-2999-BK36	LYH-12-8001-2999-CB36
4'	LYH-12-8001-2999-BK48	LYH-12-8001-2999-CB48

SINGLE LEG ROPE LANYARD+FP-2999

LH-46-FL-2999-BK36



ROPE



FP-2999 SHACKLE



Length	BLK
2'	LH-46-FL-2999-BK24
3'	LH-46-FL-2999-BK36
4'	LH-46-FL-2999-BK48

SINGLE LEG ROPE LANYARD+FP-8009

LH-46-FL-8009-BK36



PROTECT COVER



KEY NOSE



Length	BLK
2'	LH-46-FL-8009-BK24
3'	LH-46-FL-8009-BK36
4'	LH-46-FL-8009-BK48

Specialty Lanyards

FUSION is a manufacturer located in Southern California, that will customize lanyards to various specs to fit your needs. The versatility that we offer gives the user a number of options so that they have the right tools to get the job done safely.

Customers can customize with a variety of options, from the width and length of the webbing, to an array of hardware and adjustability, through a collection of colors to differentiate lanyard use and application. Please see the available designs. If you don't find what you need, please contact one of our specialists to assist in creating a design for your application.



1.75" SINGLE LEG LANYARD WITH TWO LOOPS AT EACH END LS-14-GL-GL-OR24



GEAR LOOPS



Length	Red	Orange	Black
2'	LS-14-GL-GL-RD24	LS-14-GL-GL-OR24	LS-14-GL-GL-BK24
3'	LS-14-GL-GL-RD36	LS-14-GL-GL-OR36	LS-14-GL-GL-BK36
4'	LS-14-GL-GL-RD48	LS-14-GL-GL-OR48	LS-14-GL-GL-BK48

1.75" ADJUSTABLE SINGLE LEG LANYARD WITH LOOP AND ADJUSTABLE DELTA RING LS-24-GL-2013-OR24

DELTA RING



BIG CONTRAST THREAD



Length	Red	Orange	Black
2'	LS-24-GL-2013-RD24	LS-24-GL-2013-OR24	LS-24-GL-2013-BK24
3'	LS-24-GL-2013-RD36	LS-24-GL-2013-OR36	LS-24-GL-2013-BK36
4'	LS-24-GL-2013-RD48	LS-24-GL-2013-OR48	LS-24-GL-2013-BK48

1.75" ADJUSTABLE SINGLE LEG LANYARD WITH TWO STEEL CARABINERS AT EACH END LS-24-9005-9005-BK36

KEY NOSE
BIG HOOK



Length	Red	Orange	Black
2'	LS-24-9005-9005-RD24	LS-24-9005-9005-OR24	LS-24-9005-9005-BK24
3'	LS-24-9005-9005-RD36	LS-24-9005-9005-OR36	LS-24-9005-9005-BK36
4'	LS-24-9005-9005-RD48	LS-24-9005-9005-OR48	LS-24-9005-9005-BK48

1.75" SINGLE LEG LANYARD WITH A LOOP AT THE END LS-24-GL-NA-OR24

ADJUSTABLE BAR



Length	Red	Orange	Black
2'	LS-24-GL-NA-RD24	LS-24-GL-NA-OR24	LS-24-GL-NA-BK24
3'	LS-24-GL-NA-RD36	LS-24-GL-NA-OR36	LS-24-GL-NA-BK36
4'	LS-24-GL-NA-RD48	LS-24-GL-NA-OR48	LS-24-GL-NA-BK48

Specialty Lanyards



1.75" SINGLE LEG LANYARD WITH SWIVEL CARABINER AND ALUMINUM SNAP HOOK LS-12-8001-8021-BK36

SWIVEL CARABINER

KEY NOSE HOOK



Length	Red	Blue	Black
2'	LS-12-8001-8021-RD34	LS-12-8001-8021-BL24	LS-12-8001-8021-BK24
3'	LS-12-8001-8021-RD36	LS-12-8001-8021-BL36	LS-12-8001-8021-BK36
4'	LS-12-8001-8021-RD48	LS-12-8001-8021-BL48	LS-12-8001-8021-BK48



1" ADJUSTABLE SINGLE LEG LANYARD WITH HITCHED LOOP AND STEEL AUTOLOCK CARABINER LS-22-HL-9103-RD24

ADJUSTABLE BUCKLE

HIGH STRENGTH GATE



Length	Red	Blue	Black
2'	LS-22-HL-9103-RD24	LS-22-HL-9103-BL24	LS-22-HL-9103-BK24
3'	LS-22-HL-9103-RD36	LS-22-HL-9103-BL36	LS-22-HL-9103-BK36
4'	LS-22-HL-9103-RD48	LS-22-HL-9103-BL48	LS-22-HL-9103-BK48



1" ADJUSTABLE SINGLE LEG LANYARD WITH STEEL CARABINER AND ALUMINUM REBAR HOOK LS-22-8120-8009-BL24

KEY NOSE BIG HOOK

KEY NOSE CARABINER



Length	Red	Blue	Black
2'	LS-22-8120-8009-RD24	LS-22-8120-8009-BL24	LS-22-8120-8009-BK24
3'	LS-22-8120-8009-RD36	LS-22-8120-8009-BL36	LS-22-8120-8009-BK36
4'	LS-22-8120-8009-RD48	LS-22-8120-8009-BL48	LS-22-8120-8009-BK48



1.75" ADJUSTABLE SINGLE LEG LANYARD WITH TWO STEEL AUTOLOCK CARABINERS LS-24-9005-9005-BK36

KEY NOSE CARABINER

ADJUSTABLE BAR



Length	Red	Blue	Black
2'	LS-24-9005-9005-RD24	LS-24-9005-9005-BL24	LS-24-9005-9005-BK24
3'	LS-24-9005-9005-RD36	LS-24-9005-9005-BL36	LS-24-9005-9005-BK36
4'	LS-24-9005-9005-RD48	LS-24-9005-9005-BL48	LS-24-9005-9005-BK48



Specialty Lanyards



Y LEGGED LANYARD WITH LOOP AT ENDS

LY-12-FL-FL-CB72

FLAT LOOP



Length	CYB	Black
2'	LY-12-FL-FL-CB24	LY-12-FL-FL-BK24
3'	LY-12-FL-FL-CB36	LY-12-FL-FL-BK36
4'	LY-12-FL-FL-CB48	LY-12-FL-FL-BK48



Y LEGGED LANYARD WITH HITCHED LOOPS AT ALL ENDS

LY-12-HL-FL-BK72

HITCHED LOOP



Length	RED	Black
2'	LY-12-HL-FL-RD24	LY-12-HL-FL-BK24
3'	LY-12-HL-FL-RD36	LY-12-HL-FL-BK36
4'	LY-12-HL-FL-RD48	LY-12-HL-FL-BK48



Y LEGGED LANYARD WITH 6FT ADJUSTABLE LEGS AND HITCHED LOOPS

LY-22-HL-FL-BL72

ADJUSTABLE BUCKLE



HITCHED LOOP



Length	Red	Blue	Black
2'	LY-22-HL-6126-RD24	LY-22-HL-6126-BL24	LY-22-HL-6126-BK24
3'	LY-22-HL-6126-RD36	LY-22-HL-6126-BL36	LY-22-HL-6126-BK36
4'	LY-22-HL-6126-RD48	LY-22-HL-6126-BL48	LY-22-HL-6126-BK48



Y LEGGED LANYARD WITH HIGH STRENGTH AUTOLOCKING SNAP HOOK

LY-22-HL-6015-BK72

HARDWARE DETAIL



Length	BLUE	Black
2'	LY-22-HL-6015-BL24	LY-22-HL-6015-BK24
3'	LY-22-HL-6015-BL48	LY-22-HL-6015-BK48
4'	LY-22-HL-6015-BL72	LY-22-HL-6015-BK72



Specialty Lanyards



Y LEGGED ADJUSTABLE LANYARD WITH 2 STEEL AUTOLOCK CARABINERS

LY-22-HL-9005-BK72

HARDWARE
DETAIL



HITCHED LOOP



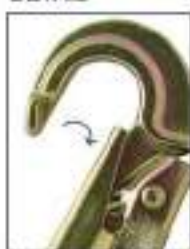
Length	Red	Blue	Black
24"	LY-22-HL-9005-ED24	LY-22-HL-9005-BL24	LY-22-HL-9005-BK24
48"	LY-22-HL-9005-ED48	LY-22-HL-9005-BL48	LY-22-HL-9005-BK48
72"	LY-22-HL-9005-ED72	LY-22-HL-9005-BL72	LY-22-HL-9005-BK72



Y LEGGED LANYARD WITH AUTOLOCKING HIGH STRENGTH SNAP HOOKS

LY-22-HL-6013-BK72

HARDWARE
DETAIL



ADJUSTABLE
BUCKLE



Length	Red	Blue	Black
24"	LY-22-HL-6013-ED24	LY-22-HL-6013-BL24	LY-22-HL-6013-BK24
48"	LY-22-HL-6013-ED48	LY-22-HL-6013-BL48	LY-22-HL-6013-BK48
72"	LY-22-HL-6013-ED72	LY-22-HL-6013-BL72	LY-22-HL-6013-BK72



Y LEGGED LANYARD WITH HIGH STRENGTH AUTOLOCKING CARABINERS 6FT - ADJUSTABLE

LY-22-HL-8120-BL72

KEY NOSE



LANYARD INSTRUCTION
COVER



Length	Red	Blue	Black
24"	LS-12-8001-8021-ED24	LS-12-8001-8021-BL24	LS-12-8001-8021-BK24
48"	LS-12-8001-8021-ED48	LS-12-8001-8021-BL48	LS-12-8001-8021-BK48
72"	LS-12-8001-8021-ED72	LS-12-8001-8021-BL72	LS-12-8001-8021-BK72



Y LEGGED LANYARD WITH HIGH STRENGTH AUTOLOCKING CARABINERS

LY-22-HL-8022-RD72

KEY NOSE



Length	Red	Black
24"	LY-22-HL-8022-ED24	LY-22-HL-8022-BK24
48"	LY-22-HL-8022-ED48	LY-22-HL-8022-BK48
72"	LY-22-HL-8022-ED72	LY-22-HL-8022-BK72



Specialty Lanyards

Y LEGGED ADJUSTABLE LANYARD
WITH ALUMINUM SNAPHOOK AT
THE END

LY-22-HL-8001-RD72

KEY NOSE



Length	Red	Blue
24"	LY-22-HL-8001-RD24	LY-22-HL-8001-BL24
48"	LY-22-HL-8001-RD48	LY-22-HL-8001-BL48
72"	LY-22-HL-8001-RD72	LY-22-HL-8001-BL72

Y LEGGED 6 FOOT LANYARD WITH SNAP HOOKS
AND PULL TAB

LY-24-FR-6013-RD/BK72

FLAT RUBBER HANDLE



Length	Red	Orange
24"	LY-24-FR-6013-RD/BK24	LY-24-FR-6013-OR/BK24
48"	LY-24-FR-6013-RD/BK48	LY-24-FR-6013-OR/BK48
72"	LY-24-FR-6013-RD/BK72	LY-24-FR-6013-OR/BK72

SPREADER BAR
(CARABINER NOT INCLUDED)

TZP-1802

CARABINER GATE

STITCHING



Length	BLACK (ONLY)
24"	LSP-14-60135-6033-BK24
48"	LSP-14-60135-6033-BK48
72"	LSP-14-60135-6033-BK72

36" FOOT STEP FOR SELF RESCUE

LS-22-LL-FL-BK24

LARGE LOOP



Length	BLACK (ONLY)
24"	LSP-14-60135-6033-BK24
48"	LSP-14-60135-6033-BK48
72"	LSP-14-60135-6033-BK72

Shock Absorbing Lanyards

FUSION's Shock Absorbing Lanyard is used when the exposure for a fall is present. All shock absorbing lanyards meet the stringent ANSI Z359.13-2013 regulations, and the integrated shock absorbing component limits average arresting forces to 900 lbs or less. 6 feet long, comprised of 1" or 1.75" nylon webbing and available in a variety of connector options, including steel and aluminum snap hooks and rebar hooks, all of which make it one of the most functional and durable lanyards on the market.



SHOCK PACK LANYARD W/HOOK AND D-RING MEETS ANSI Z359.13-2013

LSP-14-2020-6013-BK24

HOOK DETAIL

SLOTTED D-RING



Length	BLACK (ONLY)
24"	LSP-14-2020-6013-BK24
48"	LSP-14-2020-6013-BK48
72"	LSP-14-2020-6013-BK72



SHOCK PACK LANYARD WITH HOOK AND LOOP MEETS ANSI Z359.13-2013

LSP-14-GL-6013-BK24

KEY NOSE

HIGH STRENGTH THREAD



Length	BLACK (ONLY)
24"	LSP-14-GL-6013-BK36
48"	LSP-14-GL-6013-BK48
72"	LSP-14-GL-6013-BK72



SHOCK PACK LANYARD WITH TWO SNAP HOOKS MEETS ANSI Z359.13-2013

LSP-14-6013-6013-BK36

FP-6013



Length	BLACK (ONLY)
24"	LSP-14-6013-6013-BK24
48"	LSP-14-6013-6013-BK48
72"	LSP-14-6013-6013-BK72



SHOCK PACK LANYARD WITH SNAP HOOK AND REBAR HOOK MEETS ANSI Z359.13-2013

MEETS ANSI Z359.13-2013

LSP-14-6013-6033-BK36

FP-6033



Length	BLACK (ONLY)
24"	LSP-14-6013-6033-BK24
48"	LSP-14-6013-6033-BK48
72"	LSP-14-6013-6033-BK72



Shock Absorbing Industrial Lanyards

SHOCK PACK LANYARD WITH HIGH STRENGTH SNAP HOOK AND SELF-TRAILING ROPE GRAB
MEETS ANSI Z359.13-2013

LSP-14-7202-6013-5-BK48

SELF-TRAILING ROPE GRAB DETAIL



Length	BLACK (ONLY)
24"	LSP-14-2020-6013-BK24
48"	LSP-14-2020-6013-BK48
72"	LSP-14-2020-6013-BK72



SHOCK PACK LANYARD WITH ALUMINUM SNAP HOOK ON BOTH ENDS
MEETS ANSI Z359.13-2013

LSP-14-8003-8003-BK72

SHOCK PACK



HOOK DETAIL



Length	BLACK (ONLY)
24"	LSP-14-8003-8003-BK24
48"	LSP-14-8003-8003-BK48
72"	LSP-14-8003-8003-BK72



SHOCK PACK LANYARD WITH HIGH STRENGTH SNAP HOOK AND REBAR HOOK
MEETS ANSI Z359.13-2013

LSP-14-6013-8099-BK72

HOOK DETAIL



Length	BLACK (ONLY)
24"	LSP-14-60135-6033-BK24
48"	LSP-14-60135-6033-BK48
72"	LSP-14-60135-6033-BK72



SHOCK PACK LANYARD WITH HITCHED LOOP AND HIGH STRENGTH SNAP HOOK
MEETS ANSI Z359.13-2013

LSP-14-FL-60135-BK72

HITCHED LOOP



Length	BLACK (ONLY)
24"	LSP-14-FL-60135-BK24
48"	LSP-14-FL-60135-BK48
72"	LSP-14-FL-60135-BK72



Shock Absorbing Industrial Lanyards

Y LEGGED SHOCK ABSORBING LANYARD WITH 1.75" WEBBING AND HIGH STRENGTH SNAP HOOKS
MEETS ANSI Z359.13-2013

LSYP-14-60135-60135-BK72



Length	BLACK (ONLY)
24"	LSYP-14-2020-6013-BK24
48"	LSYP-14-2020-6013-BK48
72"	LSYP-14-2020-6013-BK72



Y LEGGED SHOCK ABSORBING LANYARD WITH 1.75" WEBBING AND ADJUSTABLE BUCKLE AND HIGH STRENGTH SNAP HOOKS
MEETS ANSI Z359.13-2013

LSYP-24-6013-6013-BK72



Length	BLACK (ONLY)
24"	LSYP-14-8003-8003-BK24
48"	LSYP-14-8003-8003-BK48
72"	LSYP-14-8003-8003-BK72



1.75" Y LEGGED ADJUSTABLE SHOCK PACK ABSORBING LANYARD WITH HIGH STRENGTH SNAP HOOK AND REBAR HOOKS
MEETS ANSI Z359.13-2013

LSYP-24-6015-6033-BK72



Length	BLACK (ONLY)
24"	LSYP-24-6015-6033-BK24
48"	LSYP-24-6015-6033-BK48
72"	LSYP-24-6015-6033-BK72



1" Y LEGGED ADJUSTABLE SHOCK PACK ABSORBING LANYARD WITH THREE SNAP HOOKS
MEETS ANSI Z359.13-2013

LSYP-22-6013-6013-BK72



Length	BLACK (ONLY)
24"	LSYP-22-6013-6013-BK24
48"	LSYP-22-6013-6013-BK48
72"	LSYP-22-6013-6013-BK72



Shock Absorbing Lanyards



**Y LEGGED SHOCK ABSORBING ELASTIC LANYARD
WITH ALUMINUM SNAP HOOK AND REBAR HOOKS
MEETS ANSI Z359.13-2013/OR ANSI A10-14**

LYP-35-8009-8003-BK24

**Y LEGGED SHOCK ABSORBING ELASTIC LANYARD
WITH STEEL SNAP HOOK AND REBAR HOOKS
MEETS ANSI Z359.13-2013/OR ANSI A10-14**

LYP-35-6033-6013-BK72



Length	BLACK (ONLY)
24"	LSP-14-2020-6013-BK24
48"	LSP-14-2020-6013-BK48
72"	LSP-14-2020-6013-BK72

Aluminum



Length	BLACK (ONLY)
24"	LSP-14-2020-6013-BK24
48"	LSP-14-2020-6013-BK48
72"	LSP-14-2020-6013-BK72

Steel

Steel



Elastic / Bungee style lanyards:

The Elastic / Bungee style Lanyard is ideal for Fall Arrest applications in confined or tight spaces, and or on activities where tripping hazard could occur. Its stretching capability helps reduce hazards of tripping or catching on moving parts. This type of lanyard stretches from various length. If it states 6' as the length, then this means that will be the maximum length that the lanyard will stretch to. The stated length will also include the integrated shock absorbing component if its present. It is available in both single and double leg models, as well as with a variety of connector options.



2" NYLON WEBBING SHOCKPACK WITH A STEEL HOOKS AND A SLOTTED D-RING

LSP-14-2020-6013-BK24

HOOK DETAIL



SLOTTED D-RING



Length	BLACK (ONLY)
24"	LSP-14-2020-6013-BK24
48"	LSP-14-2020-6013-BK48
72"	LSP-14-2020-6013-BK72



2" NYLON WEBBING SHOCKPACK WITH A STEEL HOOK AND A GEAR LOOP AT THE END

LSP-14-GL-6013-BK36

KEY NOSE



HIGH STRENGTH THREAD



Length	BLACK (ONLY)
24"	LSP-14-GL-6013-BK36
48"	LSP-14-GL-6013-BK48
72"	LSP-14-GL-6013-BK72



2" NYLON WEBBING SHOCKPACK WITH TWO STEEL HOOKS AT THE END

LSP-14-6013-6013-BK24

FP-6013



Length	BLACK (ONLY)
24"	LSP-14-6013-6013-BK24
48"	LSP-14-6013-6013-BK48
72"	LSP-14-6013-6013-BK72



2" NYLON WEBBING SHOCKPACK WITH TWO STEEL HOOKS AT EACH END

LSP-14-6013-6033-BK24

FP-6033



Length	BLACK (ONLY)
24"	LSP-14-6013-6033-BK24
48"	LSP-14-6013-6033-BK48
72"	LSP-14-6013-6033-BK72



Self Retractable Lanyard Systems (SRL)

Self Retractable Lanyards (SRL) can be used for support in personal fall arrest applications. Light weight and practical design to replace standard tethers or lanyards. No free fall is permitted. SRL must always be positioned at or above harness dorsal D-ring. High strength carabiner and snap hooks are some of the choices for the anchor.



**30 FEET SRL WITH GALVANIZED CABLE,
DOUBLE LOCKING SNAP HOOK AND FALL INDICATOR
MEETS ANSI Z359.14-2014**

SRL-30GC

Fall Indicator



Steel Housing



**6 FT COMPACT SELF RETRACTABLE LANYARD
WITH HIGH STRENGTH SNAP HOOK (CARABINER INCLUDED)
MEETS ANSI Z359.14-2014**

SR-L-9166-6 Carabiner FP9005GKHS



**TWIN LEGGED SRL WITH D-RING
LATCH LOCK**

FP-AC9006



**6 FT TWIN LEGGED SRL SYSTEM WITH
ALUMINUM REBAR HOOKS**

SRL-2-9166-06



LANYARD OPTIONS CHART

NO.	PREFIX TYPE	NO.	WEBBING TYPE	NO.	WEBBING WIDTH	NO.	HARDWARE A (Person)	NO.	HARDWARE B (Anchors)	NO.	WEBBING COLOR	LENGTH (Inch)	
LH	HELLO LANYARD	1	Flat	1	0.75"	NA	NOT APPLICABLE	NA	NOT APPLICABLE	BK	Black	12	12"
LYH	HELLO Y-LEGGED LANYARD	2	Flat Adjustable	2	1.00"	HL	ITCHED LOOP	HL	ITCHED LOOP	CB	Light Blue	13	13"
LD	DOG LEASH	3	Elastic	3	1.50"	SFL	SMALL FLAT LOOP	SFL	SMALL FLAT LOOP	FG	Orange/Yellow	14	14"
LYD	Y-LEGGED DOG LEASH	4	Rope	4	1.75"	FL	FLAT LOOP	FL	FLAT LOOP	RD	Red	15	15"
LS	SINGLE LANYARD	5	Tubular Clasp	5	2.00"	GL	GEAR LOOP	GL	GEAR LOOP	BL	Blue	16	16"
LY	Y-LEGGED LANYARD	6	Die-Electric			FR	Flat Rubber	FR	Flat Rubber	OR	Orange	17	17"
LSP	SHOCK PACK LANYARD					RR	Round Rubber	RR	Round Rubber	GY	Gray	18	18"
LYSP	SHOCK PACK Y-LEGGED LANYARD					LL	Large Loop	LL	Large Loop	OD	Olive	19	19"
						8013	FP-8013	8013	FP-8013	YW	Yellow	20	20"
						80012	FP-8001-2	80012	FP-8001-2	BKOR	Black/Orange	21	21"
						8006	FP-8006	8006	FP-8006	ORGY	Orange/Gray	22	22"
						8021	FP-8021	8021	FP-8021				
						8120BL	FP-8120-BL	8120BL	FP-8120-BL				
						9001	FP-9001	9001	FP-9001				
						9006HS	FP-9006-HS	9006HS	FP-9006-HS				
						List the number	AND SO FORTH	List the number	AND SO FORTH				

Thread color:

Black webbing - Gray thread

Color webbing - Orange thread

Orange webbing - Gray thread

Prefix	Type
LH	Hello
LYH	Hello Y-legged

Explanation: LH-31-HL-2999-BK36

HELO

Prefix	Type
LS	Single
LY	Y-Legged

Explanation: LS-23-GL-2013-OR14

SPECIALTY

Prefix	Type
LSP	Shock Pack

Explanation: LSP-14-8013-GL-BK12

SHOCK PACK

Prefix	Type
LYSP	Shock Pack Y-Legged

Explanation: LYSP-54-8003BL-8006-BK36

Prefix	Type
LD	Dog Leash

Explanation: LD-31-FR-29992-BK24

DOG LEASH

FUSION ON THE BRIG SHIP, LADY WASHINGTON





WEBBING

QUICKDRAW WEBBING

QD-1511-11



Webbing width: 1"
Replacement quickdraw runners stitched from 0.75" (19 mm) wide 5,000 lb tested nylon. Tight on the rope side to keep the carabiner from spinning. Available in 11cm long.

QD-1511-20



Webbing width: 1"
Stitched loops of 0.75" (19 mm) wide nylon webbing. Ideal for extending quickdraws or creating anchors. 5,000 lb MBS. Available in 20 cm long.



NYLON SLINGS WITH EYE TO EYE LOOPS

QD-1811-82



Webbing width: 1"
Stitched loops of 0.75" (19 mm) wide nylon webbing. Ideal for extending quickdraws or creating anchors. 5,000 lb MBS. 32" (80 cm)



HEAVY DUTY DAISY CHAINS

QD-2020-180



Webbing width: 1.75"
The mother of all daisy chains! Made from 1.75" (4.5 cm) wide, 5,000 lb rated webbing, with each loop stitched and rated at 1,000 lb per loop. Designed as a component for search and rescue anchor systems. It's made tough enough to last. Overall length: 5 feet.



INDIVIDUAL LOOP CHAINS

QD-3015-80 Webbing width: 1"

A chain of individual high strength nylon loops. By using individual loops instead of a traditional daisy chain, you prevent accidental unclipping when used as a personal anchor system. Daisy loops for climbing; multiple loops assists the climber to have the ability to use the different lengths based on the needs. 12 loops sewn together to make a total length of 36" (91 cm). Total sling strength is 5,000 lb rated. Each loop rated 5,000 lb breaking strength.



STANDARD DAISY CHAINS

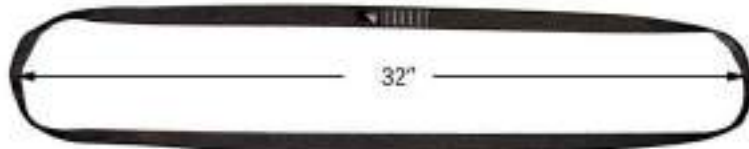
QD-2015-120-BLK Webbing width: 1"

0.75" (19 mm) wide 5,000 lb rated nylon webbing stitched back on itself to create loops (total 7 loops). Each loop is 1,000 lb rated. A daisy chain is a primary component to any aid climbing rig. Combine with an atrieer (aid ladder) and start hitting big walls around the world! Color: Black. Overall length: 47" (119 cm) total sling.





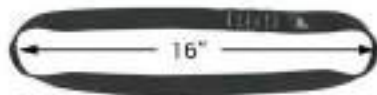
QD-1511-120



QD-1511-80



QD-1511-60



QD-1511-040-SLING



QD-1511-020-SLING



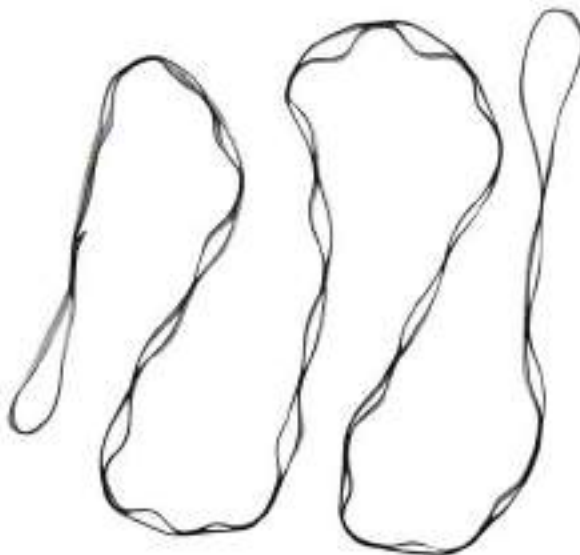
STITCHED NYLON LOOPS

QD-1511-020-SLING / QD-1511-040-SLING
QD-1511-60 / QD-1511-80 / QD-1511-120

Stitched loops of 0.75" (19 mm) wide nylon webbing. Ideal for extending quickdraws or creating anchors. 5000lb MBS. Available in 8", 16", 24", 32" and 48" (20 cm, 40 cm, 60 cm, 80 cm and 120 cm) lengths.

DYNEEMA SLING W/LOOP

QDD-30-50-150



ATRIER (AID LADDER)

QD-4000-120

High strength nylon stitched into a small ladder. Perfect for use with a daisy chain as part of an aid climbing system. This also comes with a small Velcro pouch for easy storage and quick deployment.





RIGGING GEAR

FP-2304



ANCHORS FUSE LINKS SHACKLES

Fuse links are stainless steel, oval shaped quick links with screw type gates that come in various sizes. They are usually connected to an anchor at an anchoring point and it is also considered a fast, easy connection for permanent or temporary applications. Quick links can be more secure when tightened all the way and are more cost effective compared to a traditional carabiner.





ANCHORS



CABAL STEEL
BH-1010A



CABAL STEEL
BH-1010-BLK



CABAL-STAINLESS STEEL
BH-1010-SS



O-RING
FP-2206-6



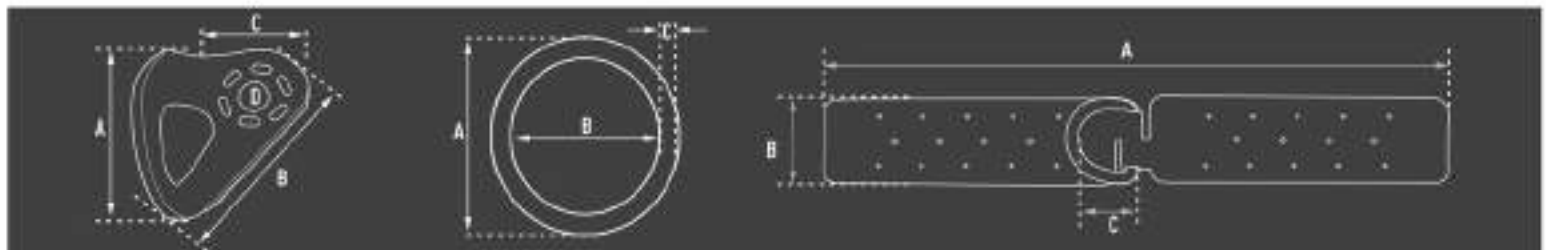
O-RING
FP-2206-5



ROOF ANCHOR (REUSABLE)
RF-1036-RED



ROOF ANCHOR (SINGLE USE)
RF-1034-2-ORG



ITEM NUMBER	MATERIAL	A	B	C	D	STRENGTH	WEIGHT
BH-1010-SS	Stainless Steel	2.19"	2.50"	1.50"	0.44"	30 kN	2.3 oz
BH-1010A	Carbon Steel	2.19"	2.50"	1.50"	0.5"	23 kN	2.6 oz
BH-1010-BLK	Carbon Steel	2.19"	2.50"	1.50"	NA	23 kN	2.3 oz
FP-2206-6	Steel	3.88"	3.125"	0.56"	NA	23kN	8.0 oz
FP-2206-5	Steel	3.13"	2.25"	0.56"	NA	23kN	7.0 oz
RF-1036-RED	Steel	10.80"	3.00"	2.00"	NA	23 kN	32.0 oz
RF-1034-2-ORG	Steel	12.80"	1.75"	1.25"	NA	23 kN	14.5 oz

ANCHOR STRAPS

ANCHOR STRAP WITH STEEL DELTA RING & D-RINGS AT THE END
AS-14-2010-2021-BK36



LENGTH	BLACK
36"	AS-12-2010-2021-BK36
72"	AS-14-2010-2020-BK72
108"	AS-12-2010-2021-BK108

ANCHOR STRAP WITH TWO STEEL D-RINGS AT THE END
AS-14-20062.5-2005-OR36



LENGTH	ORANGE
36"	AS-14-20062.5-2005-OR36
72"	AS-14-20062-2005-OR72
108"	AS-14-20062-2005-OR108

ANCHOR STRAP WITH TWO STEEL D-RINGS AT THE END
AS-14-20062-20062.5-BL72



LENGTH	BLACK
36"	AS-15-20062-20063-BL36
72"	AS-15-20062-20063-BL72
108"	AS-15-20062-20063-BL108

ADJUSTABLE ANCHOR STRAP WITH 2 STEEL D-RINGS AT THE END
AS-24-20062-20062.5-RD36



LENGTH	RED
36"	AS-23-20062-20062.5-RD36
72"	AS-23-20062-20063-RD72
108"	AS-23-20062-20063-RD108

ANCHOR STRAP WITH STEEL DELTA RING & D-RINGS AT THE END
AS-14-2010-20062.5-BK72



LENGTH	BLACK
36"	AS-12-2010-20062-BK26
72"	AS-14-2010-20062.5-BK72
108"	AS-12-2010-20062-BK108

ANCHOR STRAP WITH HITCHED LOOP & FP-6013 STEEL HOOK
AS-14-HL-6013-BK12



LENGTH	BLACK
36"	AS-14-HL-6033-BK36
72"	AS-14-HL-6033-BK72
108"	AS-14-HL-6033-BK108



FUSE LINKS



FP-2501-SS
MBS:4 kN



FP-2501-2-SS
MBS:4 kN



FP-2502-SS
MBS:19 kN



FP-2503-SS
MBS:39 kN



FP-2504-SS
MBS:48 kN

OVAL QUICK LINKS

The FUSION Oval Quick Links are a stainless steel, oval shaped quick links with screw-type gates. They are available in various sizes to accommodate your application needs. It's a fast, easy connection for permanent or temporary applications. Quick links can be secured to your liking by tightening down on the screw-type gate, and can be more cost effective in an emergency compared to a traditional carabiner.



FP-2304-SS
MBS:35 kN



FP-2303-SS
MBS:22 kN



FP-2302-SS
MBS:13 kN



FP-2301-SS
MBS:8 kN

DELTA QUICK LINKS

The FUSION Delta Quick Links are stainless steel, delta shaped quick links with screw type gates. They are available in various sizes to accommodate your application needs. It's a fast, easy connection for permanent or temporary applications. Quick links can be secured to your liking by tightening down on the screw-type gate, and can be more cost effective in an emergency compared to a traditional carabiner.

SNAP SHACKLES



FP-2995
MBS:18 kN



FP-2999
MBS:18 kN

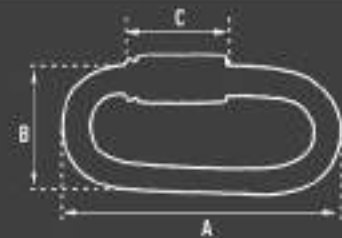


FP-2999-BLK
MBS:18 kN



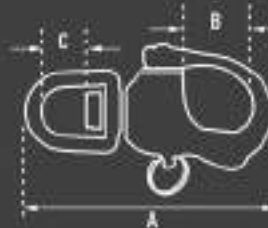
FP-2999-SW
MBS:18 kN

FUSE LINKS



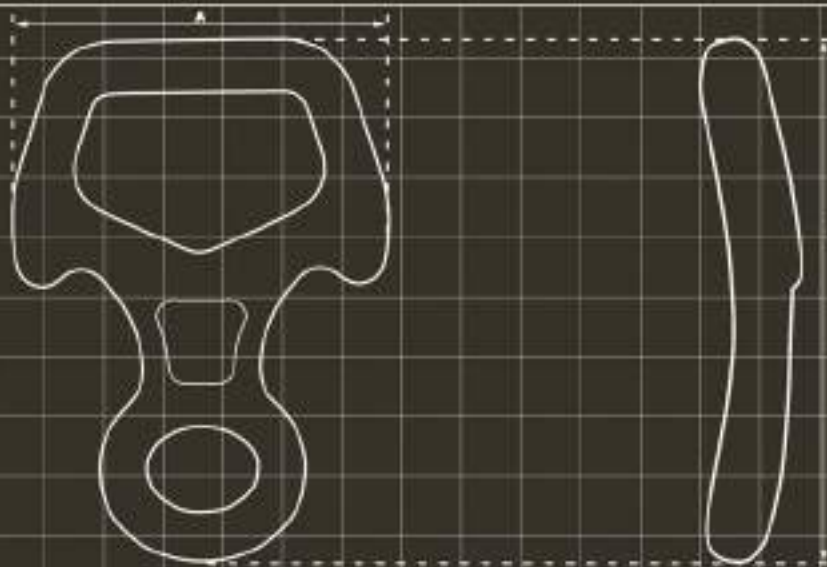
ITEM NUMBER	MATERIAL	SIZE	A	B	C	WLL	WEIGHT
FP-2501-SS	STAINLESS STEEL	1/8"	1 7/16"	1 1/16"	3/16"	990 lb	0.846 oz
FP-2501-2-SS	STAINLESS STEEL	3/16"	1 15/16"	15/16"	1/4"	990 lb	0.846 oz
FP-2502-SS	STAINLESS STEEL	1/4"	2 15/16"	1 1/16"	5/16"	1430 lb	0.80 oz
FP-2503-SS	STAINLESS STEEL	5/16"	2 1/4"	1 5/16"	3/8"	2420 lb	0.172 oz
FP-2504-SS	STAINLESS STEEL	3/8"	2 15/16"	1 9/16"	1/2"	3960 lb	0.333 oz
FP-2304-SS	STAINLESS STEEL	3/8"	3 7/16"	2 5/8"	1/2"	2750 lb	0.34 oz
FP-2303-SS	STAINLESS STEEL	5/16"	2 7/8"	2 3/16"	3/8"	1690 lb	0.19 oz
FP-2302-SS	STAINLESS STEEL	1/4"	2 3/16"	1 7/8"	5/16"	990 lb	0.89 oz
FP-2301-SS	STAINLESS STEEL	3/16"	1 7/8"	1 9/16"	1/4"	710 lb	0.89 oz

SNAP SHACKLES



ITEM NUMBER	MATERIAL	COLOR	A	B	C	STRENGTH (kN)	WEIGHT
FP-2995	STAINLESS STEEL		2.31"	0.5"	0.38"	18	1.5 oz
FP-2999	STAINLESS STEEL		2.75"	0.81"	0.75"	18	4 oz
FP-2999-BLK	STEEL		2.75"	0.81"	0.75"	18	4 oz
FP-2999-SW	STEEL		3.5"	0.88"	0.63"	18	6 oz

FP-8M6-2-BLK



BELAYS
SWIVELS
DESCENDERS
ASCENDERS
RIGGING PLATES

For every climbing enthusiast, having the right gear is essential. Making sure that you are safe while you are climbing all comes down to having the correct equipment, that is engineered to withstand any climb that you are looking to make. A Belay is crucial when it comes to being safe on the rock face with a main purpose of allowing the rope to be locked off with minimal effort to arrest a climber's fall. The Swivel is one of the most fundamental pieces of equipment that you are going to need by keeping your rope from becoming tangled and twisted. Your Descender creates a friction brake designed for descending ropes, Ascenders allow the climber to maintain his progress when taking a break. Rigging Plates provide multiple attachment points for multiple anchors.





DESCENDERS & ASCENDERS



FP-8145-ST
MBS:50kN



FP-8145-BLK/SIL/RED
MBS:45kN



FP-8143-BLK/BLU/SIL
MBS:35kN

TERMINAL 8 The Fusion Terminal 8 descender has a large inside diameter and is equipped with ears and belay slots. The large design makes it ideal for quick use in adverse conditions and makes it easier to manage heavy loads. The ears allow the user the ability to tie off the rope and use both hands freely. Available in aluminum silver, aluminum red, aluminum black or steel.

FIGURE 8 Available in Blue or Black - This large aluminum Figure-8 style descender is an ideal choice allowing for smooth rope action while descending or belaying. It is light-weight yet strong. MBS: 35 kN



FP-8146-2-BLK MBS:25kN

COMPACT BENT 8
This aluminum descender is extra thick with ears and belay slots. It allows the user control while descending or belaying with a heavy load. MBS: 25 kN



FP-7215-LT/ RT
VOLTRON-RT



FP-7216-BK
DUAL-VOLTRON



FP-7218-BK
RANGER



RIGGING PLATES & SWIVELS



BIG FOOT
FP-8144-2-BLK/BLU
 MBS:40kN

Large 5 Hole Rigging Plate allowing easy rigging setups for a variety of big wall anchors, rescue and lowering setups. MBS 40 kN



LITTLE FOOT
FP-8144-3-BLK/GLD
 MBS:30kN

Small 4 Hole Rigging Plate gives you an ultra-small light-way to set up complex anchor and rescue systems. MBS 30 kN



ALUMINUM O-RING - SMALL/LARGE
FP-8166-2-BLU MBS:25kN
FP-8166-3-GLD/BLK MBS:32kN

Super light and strong solid forged aluminum ring. Perfect for rappel applications and bailouts, will not burn through webbing or rope.



PRESTO SWIVEL
FP-8330-BLK
 MBS:36kN



DELTA SWIVEL
FP-8300-BLK
 MBS:36kN



SWIVEL
FP-8310-BLK
 MBS:36kN



SHACKLE SWIVEL
FP-8320-BLK
 MBS:36kN

High density aluminum alloy mounted onto sealed stainless steel ball bearings, making this high-strength swivel extremely strong and durable. Both delta rings allow room for multiple carabiners to easily clip in back-ups or transition from one anchor to another; they also allow for a directional pull.



BELAY & COMBO



NEO-SAT BELAY DEVICE
FP-9589

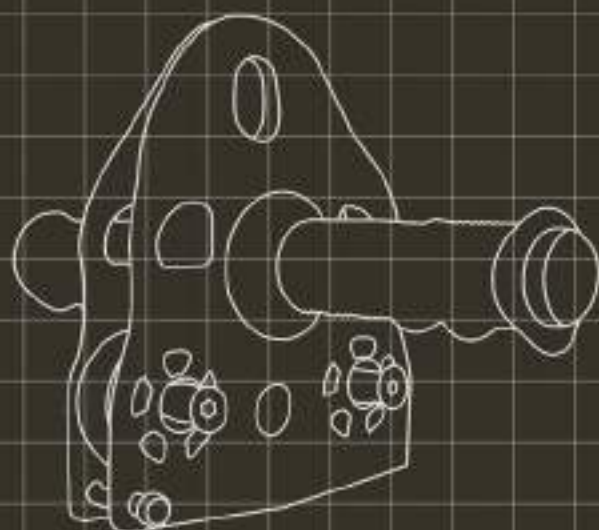
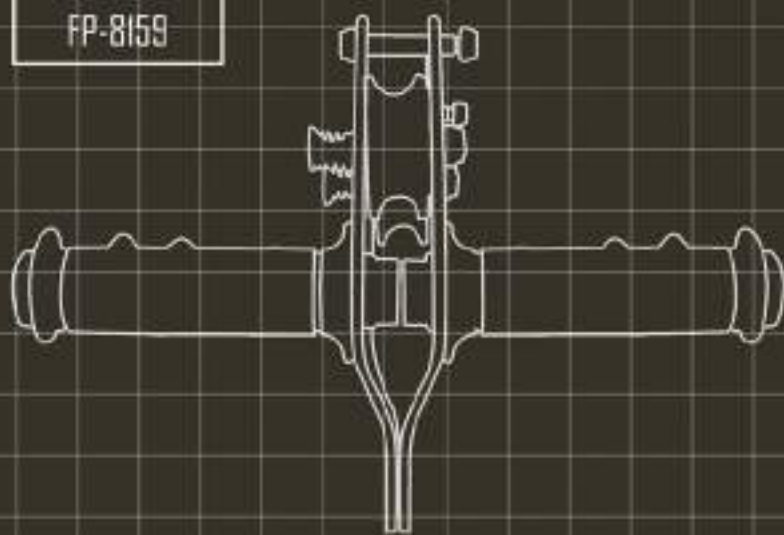


NEO-SAT BELAY DEVICE COMBO
BC-9313-2K-89

ITEM NUMBER	MATERIAL	A	B	C	D	STRENGTH	WEIGHT
FP-8145-ST	Stainless Steel	6.5"	6.5"	2.8"	1.5"	45kN	22.85 oz
FP-8145-BLK/SIL/RED	Aluminum	6.5"	6.5"	2.8"	1.5"	45kN	9.28 oz
FP-8143-BLU/BLK/SIL	Aluminum	5.6"	3.8"	2.0"	1.0"	35kN	4.78 oz
FP-8146-2-BLK	Aluminum	4.4"	3.1"	2.1"	1.0"	25kN	3.8 oz
FP-8144-2-BLK/BLU	Aluminum	4.7"	6.2"	2.1"	0.9"	40kN	7.8 oz
FP-8144-3-BLK/GLD	Aluminum	3.3"	3.5"	1.4"	0.8"	30kN	2.8 oz
FP-8166-2-BLU	Aluminum	2.0"	1.1"	0.5"	—	25kN	1.8 oz
FP-8166-3-GLD/BLK	Aluminum	2.7"	1.8"	0.5"	—	32kN	2.8 oz

ITEM NUMBER	MATERIAL	A	B	C	D	STRENGTH	WEIGHT
FP-8330-BLK	Aluminum	3.75"	1.29"	1.85"	0.63"	23kN	8 oz
FP-8300-BLK	Aluminum	4.33"	2.15"	2.16"	1.14"	36kN	6 oz
FP-8310-BLK	Aluminum	4.41"	2.87"	2.24"	1.27"	36kN	5 oz
FP-8320-BLK	Aluminum	4.21"	1.93"	1.93"	1.23"	36kN	9 oz
FP-9589-GLD	Aluminum	3.73"	2.17"	2.78"	1.77"	—	2 oz

FP-8159



PULLEYS

Our collection of FUSION Pulleys feature a wide variety of styles, from the lightweight and simple swing-side Secura Pulley, all the way up to our heavy duty Z-Max Zip Line Pulley for smooth outdoor adventures. We supply professional quality pulleys at an everyday low price. Our pulleys are designed to be used with our hand-crafted harnesses and one of our many designs of carabiners.



FP-8149-BLK / FP-8149-ORG FIXED SIDE PULLEY

MBS: 20 kN

ROPE SIZE: up to 12 mm diameter

The FUSION Fixed Side Pulley is lightweight and durable, ideal for various applications. It is equipped with fixed aluminum side plates and has smooth rounded edges for a snag free performance.



FP-8151-BLK / FP-8151-ORG MICRO PULLEY

MBS: 20 kN

ROPE SIZE: Up to 11mm diameter

The FUSION Micro Pulley is an ideal choice for rescue applications because of its small and lightweight nature. It has swivel open aluminum side plates with smooth rounded edges for a snag free performance.



TESA SPEED PULLEY

FP-8154-7-BLU / FP-8154-7-BLK

MBS: 24 kN

ROPE SIZE: Up to 1/2" (13mm) rope / 15/32" (12mm) cable

The FUSION Tesa Speed Pulley is a lightweight device equipped with carbon steel sheaves. The stainless steel ball bearings make this pulley a great choice for a variety of industrial and sports applications. It features aluminum side plates with smooth rounded edges and sealed stainless steel ball bearings, making it perform more efficiently while maintaining its dual pulley stability. It is designed for use with a cable or rope. The large hole is designed to provide the user ease when attaching a carabiner. Highly efficient, performing at 65 ft/s (20 m/s).



Picture from :<http://www.ziplinesafety.com/>



ADVENT FP-8160-SS

MBS: 50 kN

ROPE SIZE: Up to 1/2" (13mm) rope / 15/32" (12mm) cable

The Advent is considered the best in its class for durability and stability. Stainless steel 304 heat-treated body, and using chrome steel ball bearing designed for extreme and continuous service in permanently rigged challenge courses, commercial zip lines and eco-tourism applications. This pulley has two points of attachment both primary and back-up. Great for commercial operators by giving them the ability to replace bearings for extended use. This product is strong and reliable with sealed ball bearings & long wear alloy sheaves making it the ideal tandem pulley.



FP-8152-BLU / FP-8152-BLK STRUX PULLEY

MBS: 34 kN

ROPE SIZE: Up to 17/32" (14mm)

The FUSION Strux Pulley is a light-weight 2" pulley ideal for various applications. Swivel open aluminum side plates with smooth rounded edges and sealed stainless steel ball bearings for a more efficient performance. It is designed with a large hole to allow for multiple carabiner attachments.



FP-8155-BLK / FP-8155-PUR SECURA

MBS: 32 kN

ROPE SIZE: Up to 19/32" (15mm)

The FUSION side swing Secura Pulley is a light-weight, swing side aluminum double pulley. It is a great choice for a variety of industrial and sports applications. Two independent wheels can be used for multiple pulley setups. Swivel open aluminum side plates with smooth rounded edges ensure a snag free performance. Enclosed copper bushing provide for greater durability.



FP-8159-RED / FP-8159-BLK Z-MAX SPEED PULLEY

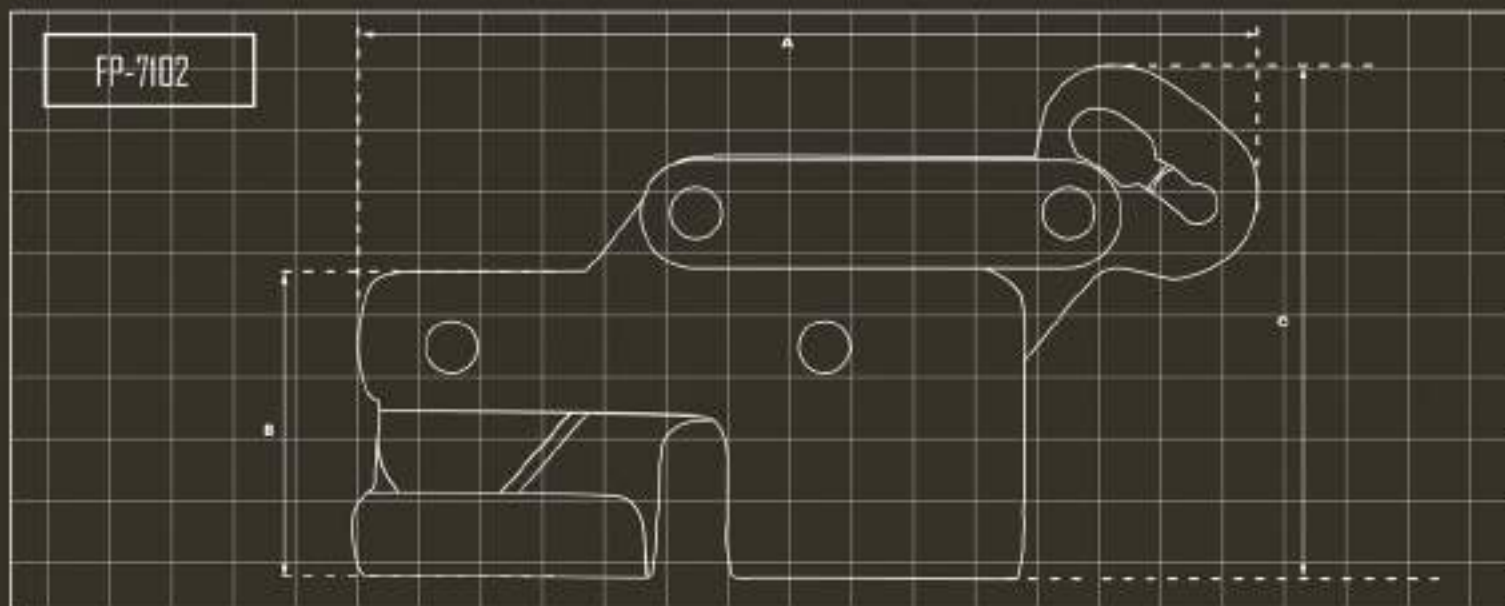
MBS: 45 kN

ROPE SIZE: 3/8"-1/2" (9- 13mm)cable/rope

The FUSION Z-Max Speed Pulley is a heavy-duty pulley made with stainless steel sheaves complete with dual stainless steel sealed ball-bearings, making it a popular choice for enthusiasts of maximum speed! It has high strength stainless steel side plates with a soft grip handle bar for efficient performance and fun for all ages! The Z-Max is stable and amazingly fast, complete with four generous attachment points for back up tethers. High efficiency at 295 ft/s (90 m/s).



ITEM NUMBER	MATERIAL	GATE OPENING		STRENGTH (KN)			DIMENSION (IN)		WEIGHT	
		INCHES	MM	MAJOR	MINOR	OPEN	LENGTH	WIDTH	OUNCES	LBS
FP-8149	ALUMINUM	1.25	13 OR SMALLER	20	10	10	3.2	2.3	3.20	0.2
FP-8151	ALUMINUM	1.5	13 OR SMALLER	34	17	17	4.9	3.3	4.20	0.2625
FP-8152	ALUMINUM	2	16 OR SMALLER	34	17	17	4.25	3.25	9.90	0.61875
FP-8154-BLU	ALUMINUM	NA	9-13	24	NA	NA	4.25	3	8.20	0.5125
FP-8155	ALUMINUM	2	16 OR SMALLER	25	12	12	4.3	3	17.00	1.10
FP-8159	ALUMINUM	NA	9-13	34	NA	NA	7	5.7	80	5
FP-8160	ALUMINUM	NA	9-13	34	NA	NA	4.25	4	10.2	1



ROPE GRABS

Whether you're climbing a mountain or conducting a rescue application, your life depends upon every piece of equipment you use. Our collection of high quality Rope Grabs feature the Puma and Terra Max, grabs with a reputation for safety and dependability. We also carry the dual cam locking stainless steel cable grab for commercial climbers.





FP-7208-AL-BLK



FP-7208-AL



FP-7208-AS

PUMA GRAB II

FP-7208-AL / FP-7208-AS

ROPE SIZE

FP-7208-AL: 1/2"-5/8" (13-16mm)

FP-7208-AS: 1/4"-7/16" (7-12mm)

MBS: 23 kN

The FUSION Puma Grab II is an aluminum, light-weight compact ascender, with a rope-friendly locking mechanism and removable pin for easy release. It is designed in two versions: One for use in self-belaying on a 12-16 mm fixed rope; one for use with a 7-11 mm fixed rope. Built for simple yet reliable operation and positioning.



If the steel ball is not showing, continue to push until the steel ball is visible for secured lock.





FP-7102

STAINLESS STEEL CABLE GRAB

MBS: 23 kN

CABLE SIZE: 3/8" galvanized steel cable

The FUSION Stainless Steel Rope Grab is a sternal attachment that is to be used with a link that is less than 9" long. It has a dual cam locking mechanism and is designed for use with a 3/8" galvanized steel cable. It is made of non-corrosive stainless steel that is tumbled and burnished. Meets ANSI Z359.1-2007 requirements.



FP-7103

OPTIMUS GRAB

MBS: 23 kN

ROPE SIZE: Up to 13/32" (10mm) rope

The FUSION Optimus Grab is a manual rope grab with a smaller eye. An ideal choice for use with verticle lifeline applications, simply press or release the mechanism to move along. Built for simple, yet reliable operation and positioning, and is designed to be used with a 5/8" rope. Meets ANSI Z359.1-2007 requirements.





FP-7202-L-GLD TERRA MAX

MBS: 25 kN

ROPE SIZE: 5/8"-1/2" (12-16mm)

The FUSION Terra Max is a self-tracking and locking steel rope grab with a large 2 1/4" ring on one end. It is designed for use with a 5/8"-1/2" rope and is built for simple, yet reliable operation and positioning as part of a PPE system.



ITEM NUMBER	MATERIAL	ROPE SIZE MM	STRENGTH (KN) MAJOR	DIMENSION (IN)			WEIGHT OUNCES
				A	B	C	
FP-7208-AL	Aluminum	7mm-11mm rope	23 kN	4.37"	3.85"	2.43"	11.80 oz
FP-7208-AS	Aluminum	12mm-16mm rope	23 kN	4.37"	2.43"	3.85"	11.80 oz
FP-7102	STEEL	5/16" [8 mm]	25 kN	3.94"	2.57"	0.79"	17.70 oz
FP-7103	STEEL	12mm	25 kN	3.87"	2.69"	0.98"	16.00 oz
FP-7202-GL	STEEL	13mm-16mm rope	25 kN	2.88"	4.53"	2.50"	21.00 oz



QUICKDRAW

A quickdraw is two carabiners connected by a nylon runner. There are many different combinations of quickdraws depending upon the carabiner and gate opening. It is very important to use two distinctly different carabiners, or carabiners that differ in color, so that the user can differentiate between the carabiner coming in contact with the rope and the carabiner coming into contact with the bolt hanger. The carabiner coming into contact with the steel bolt hanger could cause metal spurs and extreme wear to the carabiner over time. The user should never interchange this carabiner with the rope carabiner as the metal spurs could cause hazardous damage to the rope. The length of the nylon runner depends on personal preference, but a longer runner ensures less rope drag for the user if the route wanders or encounters a rock that bulges. In addition, all of our quickdraws are available for purchase with the choice of buying a single quickdraw or a sets of five or six.



CONTIGUA SERIES

Our smallest and lightest carabiners connected by an 11 cm long, 16mm wide nylon runner. Perfect for trad/aid climbing, wire-gate carabiners offers wide gate openings and will never freeze shut. Full strength protection but at a fraction of the weight. Available in a variety of colors. 20 cm draw length also available.



SINGLE SET - QD



ST & ST

QD-9301-ST-ORG+9301-ST-BLU-11



ST & ST

QD-9301-ST-CYB+9301-ST-BLK-11



ST & WG

QD-9301-ST-FLG+9301-WG-CYB-11



WG & WG

QD-9301-WG-ORG+9301-WG-BLU-11



WG & WG

QD-9301-WG-CYB+9301-WG-FLG-11

5 SETS - QDF



ST & ST

QDF-9301-ST-ORG+9301-ST-BLU-11

6 SETS - QDS



WG & WG

QDS-9301-WG-ORG+9301-WG-BLU-11



TECHNO WAVE SERIES

Our Techno Wave series has a cold forged, contoured, ergonomic body providing easy handling and smooth clipping. It is ideal for sport racks or any application where using a lightweight carabiner is of utmost importance to the user.

SINGLE SET - QD



SG & ST

QD-9307-3SGK+9307-7ST-ORG-11



SG & WG

QD-9307-3SGK+9307-7WG-GRY-11



SG & ST

QD-9307-3SGK+9301-ST-ORG-11



SG & WG

QD-9307-3SGK+9301-WG-BLU-11



SG & LINK

QD-9307-3SGK+2502-SS-11

5 SETS - QDF



SG & LINK

QDF-9307-3SGK+2502-SS-11

6 SETS - QDS



SG & BG

QDS-9301-WG-ORG+9301-WG-BLU-11



TECHNO ZOOM SERIES

Ultra light (1.5 oz) and ultra strong (25 kN, Major Axis), Techno Zoom carabiners can be connected by an 11 cm or 20 cm long, 16 mm wide nylon runner. Available in a variety of colors.

SINGLE SET - QD



BG & BG

QD-9307-7BG-GRN+9307-7BG-BUR-11



ST & ST

QD-9307-7ST-ORG+9307-7ST-PUR-11



BG & ST

QD-9307-7BG-GRN+9307-7ST-PUR-11



BG & WG

QD-9307-7BG-AGR+9307-7WG-GRY-11



ST & WG

QD-9307-7ST-PUR+9307-7WG-GRY-11

5 SETS - QDF



ST & WG

QDF-9307-7ST-BUR+9307-7WG-GRY-11

6 SETS - QDS



ST & ST

QDS-9307-7ST-ORG+9307-7ST-BUR-11












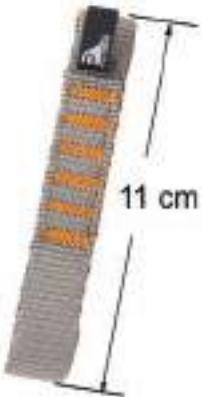














PACKS OF 5 OR 6 SETS

HOW TO BUILD YOUR OWN QUICKDRAW



PACK - CARABINER A + CARABINER B - DRAW LENGTH (CM)
= QD-9301-WG-BLU+9307-3-SG-11

PACK	Carabiner A	Carabiner B	Draw
	 9301-ST-BLK	 9301-ST-BLK	 11 cm
	 9301-ST-BLU	 9301-ST-BLU	
	 9301-ST-ORG	 9301-ST-ORG	 20 cm
	 9301-WG-BLU	 9301-WG-BLU	
	 9301-WG-ORG	 9301-WG-ORG	

PACK	Carabiner A	Carabiner B	Draw
 <p>QDF ★ includes 5 quickdraw sets</p>	 <p>QUICK LINK</p>  <p>9307-7-BG-AGRN</p>  <p>9307-7-BG-GRN</p>  <p>9307-7-BG-ORG</p>	 <p>QUICK LINK</p>  <p>9307-7-BG-AGRN</p>  <p>9307-7-BG-GRN</p>  <p>9307-7-BG-ORG</p>	 <p>11 cm</p>
 <p>QDS ★ includes 6 quickdraw sets</p>	 <p>9307-7-BG-BUR</p>  <p>9307-7-ST-PUR</p>  <p>9307-7-ST-ORG</p>  <p>9307-7-ST-BUR</p>  <p>9307-7-WG-GREY</p>  <p>9307-3-SG</p>	 <p>9307-7-BG-BUR</p>  <p>9307-7-ST-PUR</p>  <p>9307-7-ST-ORG</p>  <p>9307-7-ST-BUR</p>  <p>9307-7-WG-GREY</p>  <p>9307-3-SG</p>	 <p>20 cm</p>

SIZING



SIZING CHART

SIZE	NECK	GIRTH
M	19"-22"	19"-25"
L	23"-27"	26"-32"
XL	28"-32"	33"-39"

FUSION PETS

Fusion Pets is a manufacturer of working canine, recreational and therapeutic canine harnesses. Our manufacturing facility is located in Chino, California where we manufacture a large majority of Fusion products. We consider ourselves at the high end of the product line due to our high standards, ergonomic designs, and superior commercial materials utilized in our manufacturing process. Fusion Pets has utilized the support and input from the University of Oregon State University Veterinarian Hospital and University of Iowa Veterinarian Hospital whom of which utilize and implement our products and recommended enhancements in their partnership with us.





DOG HARNESS

X-KARIMOR AH-201

The Fusion Pets X-KARIMOR body support harness allows you to provide extra support to aid the canine you love to stand and/or walk 5,000-Pound rated lift and adjustable buckles. An ergonomically contoured design makes for a perfect fit for your K9 companion. High-strength, nylon bonded reinforced stitching and an extra soft handle pad makes for a sturdy yet durable design.

- Quality, hand-crafted in Southern California.
- Lift harness is equipped with two custom quick-release plastic buckles.
- EVA padded handle wrap for added control and support.
- T-131 nylon bonded thread used for maximum strength.
- Webbing rated for 4,200 lbs.
- Padded fleece lining for added comfort and support.



RAPTOR™ BUCKLE



EVA PAD



QR PLASTIC BUCKLE



MADE IN USA

X-KARIMOR-II AH-201-2

The popular Fusion X-KARIMOR-II is a lighter weight version of Gen-1. This lift support harness is equipped with all the great features from the first generation with slightly less hardware. The soft fleece offers maximum comfort with complete support. Water resistant nylon allows for easy cleaning when needed.

- Quality, hand-crafted in Southern California.
- Lift Harness is equipped with two custom quick release plastic buckle.
- EVA padded handle wrap for added control and support.
- T-131 nylon bonded thread used for maximum strength.
- Webbing 4,200 lb rated.
- Padded fleece lining for soft touch feel and support.



**QUICK RELEASE
PLASTIC BUCKLE**



FUSIONPETS



VELCRO HANDLE



MADE IN USA



TEMPO DH-101

The FUSION PETS TEMPO dog harness is ergonomically designed to prevent the choking action. It includes the K9 body harness with a flexible handle bar for added control. **MADE IN USA.**



TEMPO-COMBO-SMALL

DH-101-R-4-S



HARNESS



LEASH



BELT



WATER BOW & CLIP



STORAGE BAG

TEMPO-COMBO-U

DH-101-R-4-U



HARNESS



LEASH



BELT & CARABINER



WATER BOW



STORAGE BAG

TREKKER TK-101 / TK-101-2

The K9 Trekker Harness is ergonomically designed to accommodate everyday training and work. Constructed of 5,000 lb rated Resin/UV coated MIL-SPEC nylon webbing with T-131 nylon bonded thread for extra durability. It features a rubberized handle bar for better control and comfort of the handler. The 5,000 lb rated large Parachute Style D-Ring is made for easy latch and durable use while the Raptor™ aluminum buckle allows for quick and easy on/off. The padded EVA and mesh system protects the buckle from constant friction and wear; the harness features a pouch for inserting cooling packs to keep the canine comfortable while on duty.



TK-101-2 (DUAL HANDLES)



TK-101 (CLASSIC)



RAPTOR™ BUCKLE



RUBBERIZED HANDLE



D-RING



MADE IN USA

USER INSTRUCTION FOR K9 TREKKER HARNESS



TREKKER-HIVIS-ORG

TK-101-HV-ORG



REFLECT



TREKKER-XSMALL

TK-101-XS



D-RING



TREKKER COMBO TK-101-COMBO

The K9 TREKKER Harness allows the handler to easily control and access the K9 in motion. The 1,200 lb rated handle is detachable so the dog can easily squeeze into tight spaces. The use of 9kN (2,000 lb) indirect pull, Raptor™ quick-release aluminum buckle make this one of the toughest K9 Harnesses on the market. Heavy-duty, nylon bonded threads and MIL-SPEC webbing ensures durability. Division or unit identification patch can be mounted on with built-in hook and loop velcro. The EVA padded chest piece offers maximum comfort and stability for K9 even during hard pulling. Manufactured with a cooling pack compartment to keep your four-legged companion fresh while on the job. The K9 TREKKER Harness is available on its own or as part of our TREKKER Combo which includes a Riggers Belt with a reinforced loop, a carabiner, and a bungee leash with quick-release snap shackle.



TK-101 HARNESS



TKL-006 LEASH



RIGGERS BELT



FP-9301-ST
CARABINER



THERA-PRO VH-202

Ergonomically designed with industrial webbing providing the best floatation support and comfort. Neon green in color allows quick sight acquisition of your pet. A convenient and ergonomic top grab handle along with quick locking buckles for easy on and off makes this harness a great value. The chest piece is also fully adjustable and is easily removed.

- Quality, hand-crafted in Southern California.
- Lift harness is equipped with two custom quick release plastic buckles.
- EVA padded handle wrap for added control and support
- T-131 nylon bonded thread used for maximum strength.
- Webbing is rated for 4,200 lbs.
- Padded fleece lining for super soft comfort and support.



REMOVABLE



**TWO HANDED
HANDLE**



**HAND SEWING
TECHNIQUE**



MADE IN USA



DOG COLLAR

TREKKER COLLAR TK-102



TK-102-BLK



TK-102-ORG



TK-102-CYB



TK-102-FLG



D-RING



RAPTOR™ BUCKLE



MADE IN USA

The K9 Trekker Collar is ergonomically designed to accommodate everyday training and work. Constructed of 5,000 lb rated Resin/UV coated MIL-SPEC nylon webbing with T-131 nylon bonded thread for extra durability. It features a rubberized handle bar for better control and comfort of the handler. The 5,000 lb rated large Parachute Style D-ring is made for easy latch and durable use while the Raptor™ aluminum buckle allows for quick and easy on/off. The padded EVA mesh system protects the buckle from constant friction and wear. Available in black and coyote brown.

- Quality Hand crafted in California, USA
- Each harness is equipped with a Made in USA Raptor™ QR aluminum buckle. The buckle is made of aero-space grade aluminum rated at 4000 lbs (Indirect-pull).
- Rubberized handle bar for added control
- T-131 nylon bonded thread used for maximum strength.
- Mil-spec webbing 5000 lb rated.
- High strength 5,000 lb carbon steel D-ring for ultimate durability.
- Eva foam padded with breathable mesh lining for improved comfort and support.

TREKKER COLLAR HV TK-102-HV



TK-102-HV-BLK



TK-102-HV-ORG



TK-102-HV-CYB



TK-102-HV-RED



D-RING



RAPTOR™ BUCKLE



MADE IN USA



- 3M reflective tape for low lighting conditions
- 5000 lb Rated D- ring for ease of leash attachment
- Rubberized handle for comfortable grip

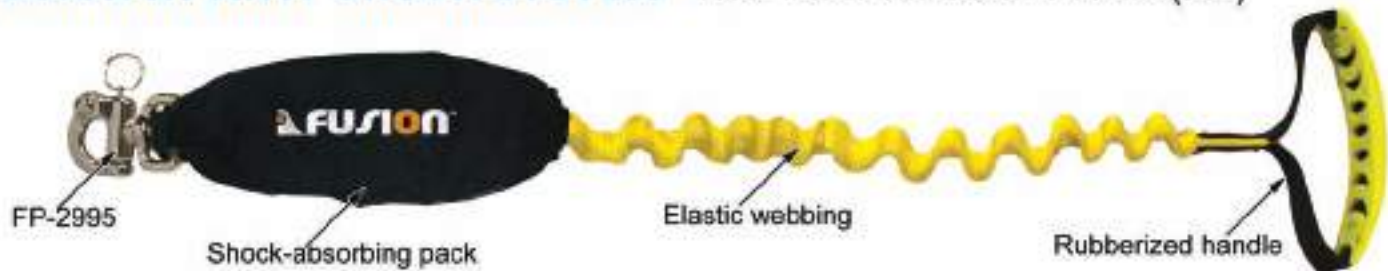
- 5000 lb rated webbing
- Raptor aluminum quick release buckle for easy on and off
- Lined with EVA mesh foam for comfort on the dog's neck





DOG LEASH

FUSION K9 ANTI-SHOCK SYSTEM LSP-32-FR-2995-YW-24(K9)



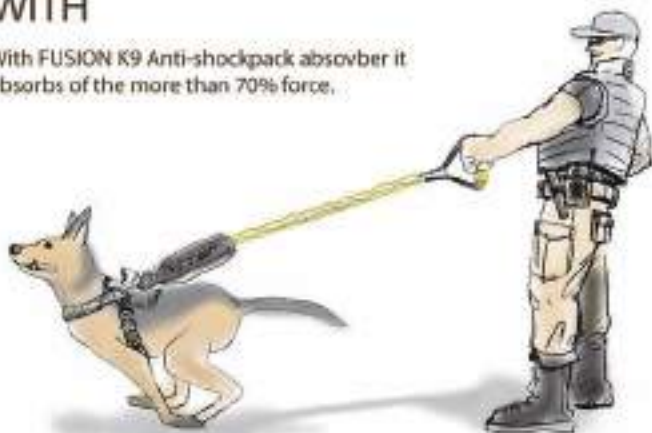
In 2016, we produced a newly designed FUSION K9 Anti-Shock™ System with the goal of promoting the health and well-being of K9 handlers. The FUSION K9 Anti-Shock™ System helps to limit the transfer of force to the handler's arm when the K9 pulls or launches forward. This greatly helps to reduce injuries such as tennis elbow and arm muscle fatigue from long periods of training or field operations.

-Bungee Lanyards: 2ft, 3ft, 6ft -Custom lengths available on request

Extended Webbing Length	Webbing Strength	Webbing Color		Webbing Color		Webbing Color	
2 Feet	5,000 lb	BLK	LSP-32-FR-2995-BK-24(K9)	CYB	LSP-32-FR-2995-CB-24(K9)	YLW	LSP-32-FR-2995-YW-24(K9)
3 Feet	5,000 lb	BLK	LSP-32-FR-2995-BK-36(K9)	CYB	LSP-32-FR-2995-CB-36(K9)	YLW	LSP-32-FR-2995-YW-36(K9)
6 Feet	5,000 lb	BLK	LSP-32-FR-2995-BK-72(K9)	CYB	LSP-32-FR-2995-CB-72(K9)	YLW	LSP-32-FR-2995-YW-72(K9)

WITH

With FUSION K9 Anti-shockpack absorber it absorbs of the more than 70% force.



WITHOUT

Without FUSION K9 Anti-shockpack absorber your arm and body absorbs 100% of the force



ENTRY LEAD LD-12-HL-2995-BK24



-Fixed length lanyards: 2ft, 3ft, 6ft

-Custom lengths available on request

Webbing Length	Webbing Strength	Webbing Color	Webbing Color	Webbing Color
2 Feet	5,000 lb	BLK LD-12-HL-2995-BK24	CYB LD-12-HL-2995-CB24	YLW LD-12-HL-2995-YW24
3 Feet	5,000 lb	BLK LD-12-HL-2995-BK36	CYB LD-12-HL-2995-CB36	YLW LD-12-HL-2995-YW36
6 Feet	5,000 lb	BLK LD-12-HL-2995-BK72	CYB LD-12-HL-2995-CB72	YLW LD-12-HL-2995-YW72

ENTRY LEAD LD-32-FR-29992-BK12

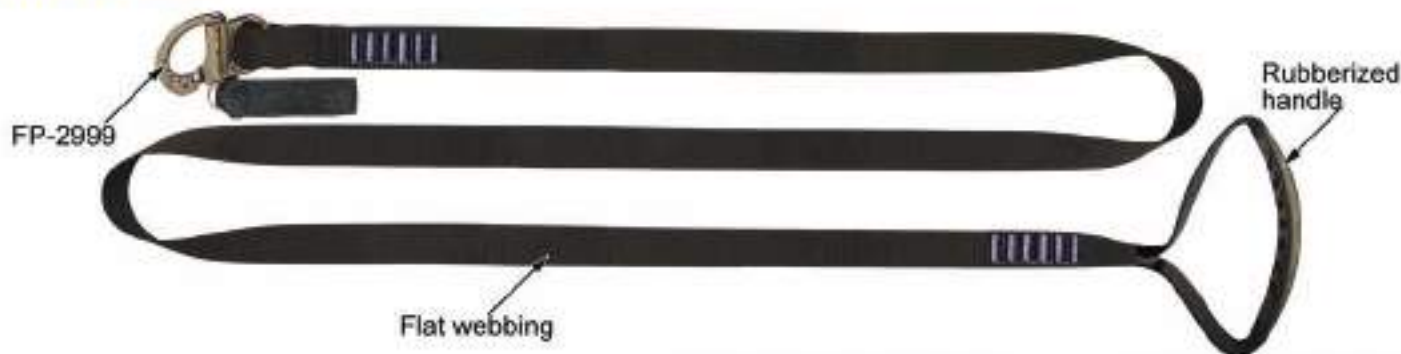


-Fixed length lanyards: 2ft, 3ft, 6ft

-Custom lengths available on request

Webbing Length	Webbing Strength	Webbing Color	Webbing Color	Webbing Color
2 Feet	5,000 lb	BLK LD-32-FR-2999SW-BK12	CYB LD-32-FR-2999SW-BC12	YLW LD-32-FR-2999SW-YW12
3 Feet	5,000 lb	BLK LD-32-FR-2999SW-BK36	CYB LD-32-FR-2999SW-BC36	YLW LD-32-FR-2999SW-YW36
6 Feet	5,000 lb	BLK LD-32-FR-2999SW-BK72	CYB LD-32-FR-2999SW-BC72	YLW LD-32-FR-2999SW-YW72

LONG LEASH LD-12-FR-2999-BK72

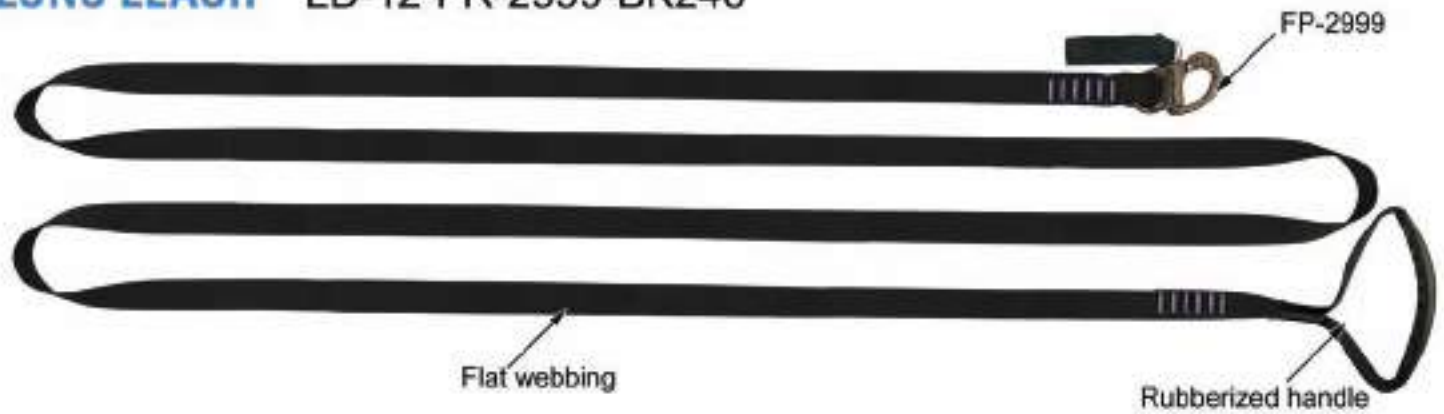


-Fixed length lanyards: 6ft, 12ft, 18ft

-Custom lengths available on request

Webbing Length	Webbing Strength	Webbing Color	Webbing Color	Webbing Color
6 Feet	5,000 lb	BLK LD-12-FR-2999-BK72	CYB LD-12-FR-2999-CB72	YLW LD-12-FR-2999-YW72
12 Feet	5,000 lb	BLK LD-12-FR-2999-BK144	CYB LD-12-FR-2999-CB144	YLW LD-12-FR-2999-YW144
18 Feet	5,000 lb	BLK LD-12-FR-2999-BK216	CYB LD-12-FR-2999-CB216	YLW LD-12-FR-2999-YW216

LONG LEASH LD-12-FR-2999-BK240



Webbing Length	Webbing Strength	Webbing Color	Webbing Color	Webbing Color
20 Feet	5,000 lb	BLK LD-12-FR-2999-BK240	CYB LD-12-FR-2999-CB240	YLW LD-12-FR-2999-YW240
30 Feet	5,000 lb	BLK LD-12-FR-2999-BK360	CYB LD-12-FR-2999-CB360	YLW LD-12-FR-2999-YW360
40 Feet	5,000 lb	BLK LD-12-FR-2999-BK480	CYB LD-12-FR-2999-CB480	YLW LD-12-FR-2999-YW480
50 Feet	5,000 lb	BLK LD-12-FR-2999-BK600	CYB LD-12-FR-2999-CB600	YLW LD-12-FR-2999-YW600

-Fixed length lanyards: 20ft, 30ft, 40ft, 50ft

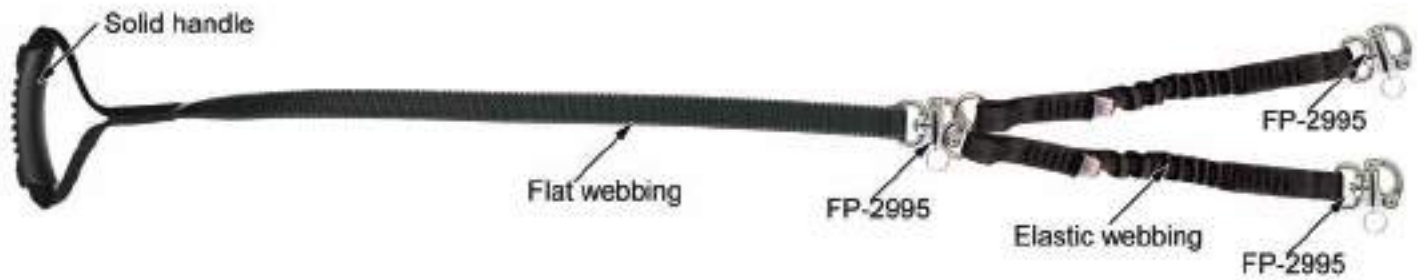
-Custom lengths available on request

DIE-ELECTRIC LD-62-RR-9005-YW36



Webbing Length	Webbing Strength	Webbing Color	Webbing Color	Webbing Color
2 Feet	5,000 lb	BLK LD-62-RR-9005-BK24	CYB LD-62-RR-9005-CB24	YLW LD-62-RR-9005-YW24
3 Feet	5,000 lb	BLK LD-62-RR-9005-BK36	CYB LD-62-RR-9005-CB36	YLW LD-62-RR-9005-YW36
6 Feet	5,000 lb	BLK LD-62-RR-9005-BK72	CYB LD-62-RR-9005-CB72	YLW LD-62-RR-9005-YW72

DUAL LEASH SYSTEM LYD-32-RR-2995-BK24

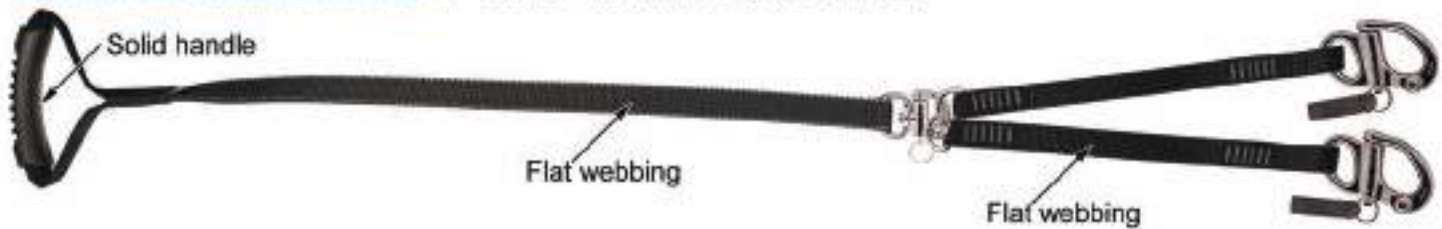


Webbing Length	Webbing Strength	Webbing Color	Webbing Color
2 Feet	5,000 lb	BLK LYD-32-RR-2995-BK-24	CYB LYD-32-RR-2995-CB-24
4 Feet	5,000 lb	BLK LYD-32-RR-2995-BK-48	CYB LYD-32-RR-2995-CB-48
6 Feet	5,000 lb	BLK LYD-32-RR-2995-BK-72	CYB LYD-32-RR-2995-CB-72

-Fixed length lanyards: 2ft, 4ft, 6ft

-Custom lengths available on request

DUAL LEASH SYSTEM LYD-12-RR-2999-BK24

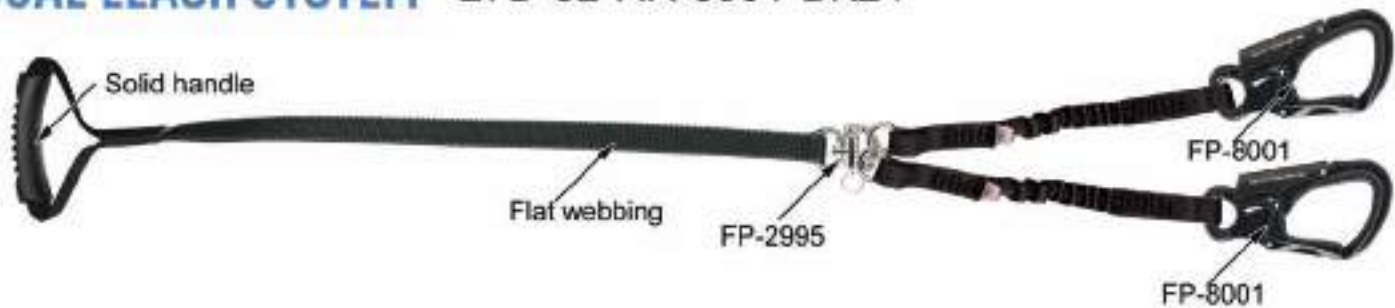


Webbing Length	Webbing Strength	Webbing Color	Webbing Color
2 Feet	5,000 lb	BLK LYD-12-RR-2999-BK-24	CYB LYD-12-RR-2999-CB-24
4 Feet	5,000 lb	BLK LYD-12-RR-2999-BK-48	CYB LYD-12-RR-2999-CB-48
6 Feet	5,000 lb	BLK LYD-12-RR-2999-BK-72	CYB LYD-12-RR-2999-CB-72

-Fixed length lanyards: 2ft, 4ft, 6ft

-Custom lengths available on request

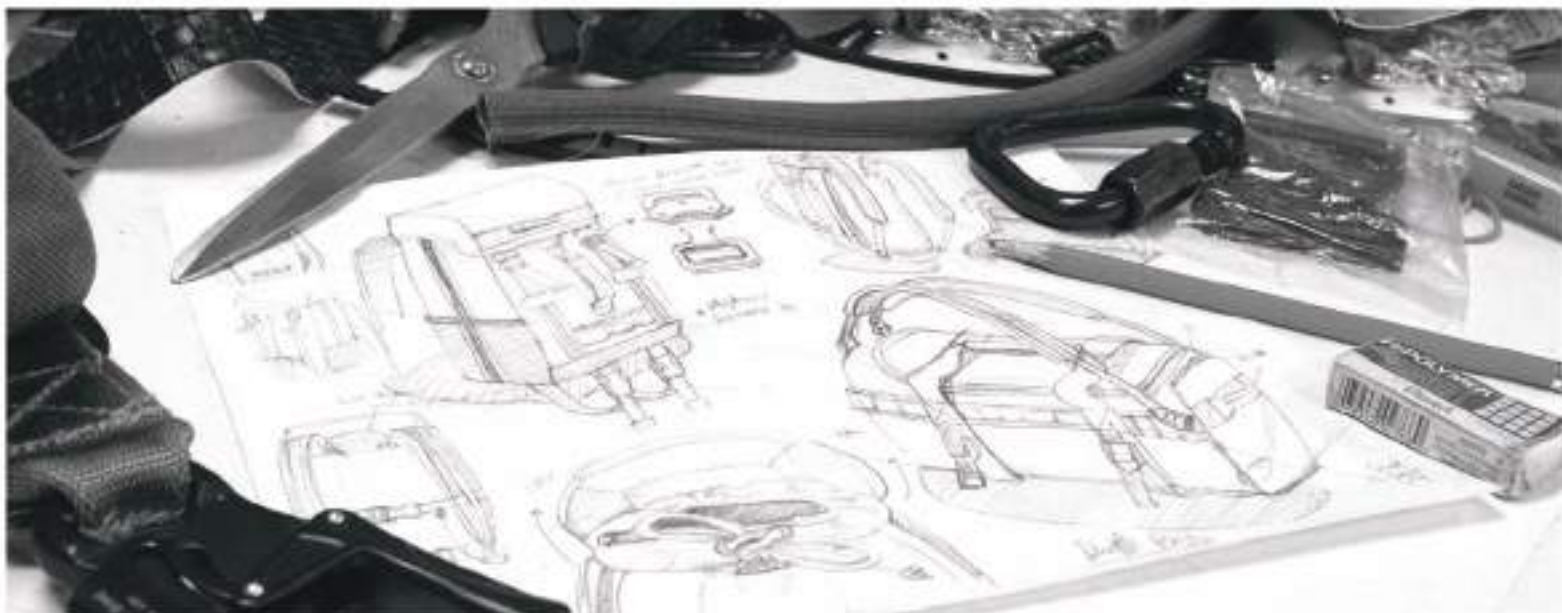
DUAL LEASH SYSTEM LYD-32-RR-8001-BK24



Webbing Length	Webbing Strength	Webbing Color	Webbing Color
2 Feet	5,000 lb	BLK LYD-32-RR-8001-BK-24	CYB LYD-32-RR-8001-BC-24
4 Feet	5,000 lb	BLK LYD-32-RR-8001-BK-48	CYB LYD-32-RR-8001-BC-48
6 Feet	5,000 lb	BLK LYD-32-RR-8001-BK-72	CYB LYD-32-RR-8001-BC-72

-Fixed length lanyards: 2ft, 4ft, 6ft

-Custom lengths available on request

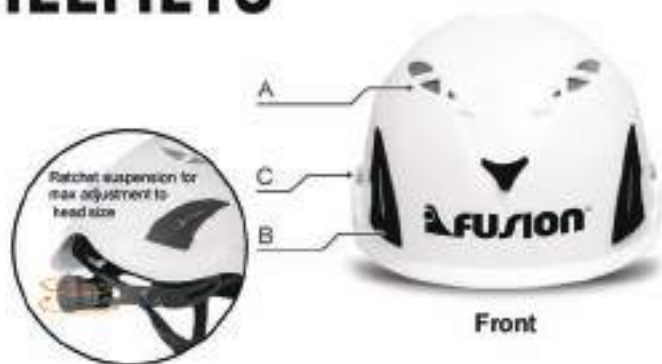


MISCELLANEOUS

- | This is the entry level CS edition of the Fusion inner liner belt. It offers medium stiffness with nylon webbing on the outside and loop lining on the inside. The entire belt has sewn binding that adds comfort for long hours of wear without sheaving to your hips. It comes on and off easily with hook and loop enclosure.



HELMETS



MEKA HH-1001

Color	Item No.
	HH-1001-YLW
	HH-1001-ORG
	HH-1001-BLK
	HH-1001-WHT

Molded EPS foam which provides structural support, impact dispersion and penetration resistance



Replaceable [impact absorbing] antimicrobial foam padding offers unprecedented comfort and manages moisture.



- 10 Ventilation areas to keep you from overheating in the middle of the day
- Headlamp clips are available for night use
- Two slots are available for mounting hearing protectors
- The single hand operation rotating adjustment retention system puts unrivaled fit and adjustability at your fingertips for different head size or shape
- Extremely durable; hard-shell design for years of use and abuse
- Head Circumference: (20"-24")
- CE Certified: EN12492

MEKA-W HH-2001

Color	Item No.
	HH-2001-YLW
	HH-2001-ORG
	HH-2001-BLK
	HH-2001-WHT



Anti-microbial foam padding offers unprecedented comfort and manages moisture



Replaceable [impact absorbing] antimicrobial foam padding offers unprecedented comfort and manages moisture.



FUSION BAGS



AIR BACKPACK

BG-RS-1001-RED

This lightweight, polyester hiking rucksack is capable of carrying 40L of gear. The ultra-soft, ribbed back lining provides unmatched ventilation for use in warm or humid climates. Equipped with one large exterior compartment, one interior, 2 side mesh pockets, and a belt pocket keeps your gear organized and secure.



40L WATERTIGHT DUFFEL BAG

BG-WT-1001-CHGRY

Made from a specific blend of polyester and thermoplastic polyurethane, our watertight duffels are made to withstand a brief fall in water, inclement downpours, or constant splash. This duffel bag is great for kayaking, rafting, paddle boarding, boating or light sailing.





CONVERTIBLE ROPE BAG

BG-RB-1001-BLK/RED

This convertible rope bag can be worn as a traditional backpack or as a messenger-style shoulder bag. The best feature of this bag is the inner, funnel-shaped liner combined with a rope tie point that allows quick stowage of excess rope.



HIKING BACKPACK

BG-HB-1001-BLK

This 10 L hiking backpack is ideal for hikers who want to hike a couple of hours and want to bring: a picnic and a windbreaker!





LEG ROPE BAG BG-Z209

This rope bag is designed to easily attach to the user's leg and easily accommodate up to 50 M of rope or tools or anything you need to secure while aloft or suspended. Multiple hook and loop straps makes this rope bag versatile and able to adapt to a multitude of functions.



10L DAY PACK AG-1206

Available in a wide array of colors, this 10L day pack is perfect for impromptu hiking trips, adventurous bike rides, or any afterschool activity! The grommet lined opening can be cinched down or opened to allow rope to feed at a specific speed.



EASY CARRY ROPE BAG BG-RB-1002-BLK/RED

This simple, easy-to-use rope bag is large enough to carry 100 meters of rope in an instant. While unfolded and flat, just toss your rope onto the carrying material and give it a few folds and you are ready to go. A couple tugs on each of the two tie down straps keeps your gear safe and secure. Additionally, the single shoulder strap allows for quick and simple rope haul.



COMPACT PORTABLE RUCKSACK BG-CPR-1001-YLW

This lightweight, polyester hiking rucksack is capable of carrying 40L of gear. The ultra-soft, ribbed back lining provides unmatched ventilation for use in warm or humid climates. Equipped with one large exterior compartment, one interior, 2 side mesh pockets, and a belt pocket keeps your gear organized and secure.



RAIN COVER AG-RC-1001-ORG

This lightweight, polyester hiking rucksack is capable of carrying 40L of gear. The ultra-soft, ribbed back lining provides unmatched ventilation for use in warm or humid climates. Equipped with one large exterior compartment, one interior, 2 side mesh pockets, and a belt pocket keeps your gear organized and secure.



NYLON STORAGE BAG

BG-1001-BLK / BLU / ORG

This blue nylon storage bag comes with a zipper, attachment clip and a slot to put your business cards or name tags in.

Bag Dimensions: 12" (L) x 6.5" (W) x 4" (H)



FUSION T-SHIRT



AG-TS-1001



AG-TS-2001

CARABINER-ACCESSORY (NOT FOR CLIMBING)



FP-2391-01



FP-2391-02



FP-2391-03



FP-2391-04



FP-2392-BLK



FP-2391-MC-BLU



FP-2391-MC-GLD



FP-2391-MC-GRN



FP-2391-04-PPL



FP-2392-RED



FP-2391-MC-SIL



FP-2391-MC-BLK



FP-2394-CYB



FP-2395-CS2

CARABINER KEEPER



00-101-12

Keep your carabiners from spinning around on the runner with a silicon ring. Add it to any quickdraw or runner then put the carabiner on. Comes standard on all Fusion quickdraws. Keepers come as a 12 pack only.



FP-1000-LG

Keep your carabiners from spinning around on the runner with a silicon ring. Add it to any quickdraw or runner then put the carabiner on. Comes standard on all Fusion quickdraws. Keepers come as a 12 pack only.



DECLARATIONS PAGE

WARNING! MUST READ BEFORE EACH USE!

FUSION Products are designed and tested specifically for mountaineering, climbing, and technical rope work under normal climate conditions only. All FUSION Products are designed and tested specifically for human support only. Do NOT use for lifting objects. Each person should have one connection point using equipment or gear that is rated greater than 5,000 lb. The manufacturer's suggested Max Working Load Limit (WLL) for any FUSION Carabiner and connectors is 448 lb (2 kN). Do not use product exceeding its Max Working Load Limit (WLL). These activities are inherently dangerous and present the risk of serious injury or death. The user is responsible for following NFPA, OSHA, ANSI and all other applicable State and Federal Regulations regarding use of these products. The user is responsible for the proper care and maintenance of this product. If in doubt for any reason on the safe conditions of this product, replace it immediately. Any litigation involving this product will be in State of California pursuant to California Law. User must obtain qualified instruction on the proper use, techniques, and limitations involved in use of this product. The user of FUSION Products assumes all risks and accepts full responsibility for any and all damages and injuries of any kind, including death, which may result from the use of any FUSION Products. The user is fully aware that improper use, abuse, or lack of proper care and maintenance of this product will result in serious injury or death.

Activities such as mountaineering, rock climbing, rappelling, canyoneering, zip-lining, aerial rescue, and work-at-height involving the use of the product are inherently dangerous.

You are responsible for your own actions.

- Before using FUSION Products, you must:
- Read and understand all instructions before use.
 - Learn and accept the risks involved.
 - Have received qualified instruction in its proper use.
 - Be acquainted with the product's capabilities and limitations.

WARRANTY POLICIES

Equipment offered by FUSION is warranted against factory defects in workmanship and material for a period of one year from the date of purchase/shipment. Limitations of the guarantee are as follows: Abuse, negligence, normal wear and tear, modifications, improper storage, or corrosion but not limited to: Improper care and cleaning, damage due to use for which the product was not designed, and equipment abuse. Also excluded from the guarantee is damage due to transit, accidents, negligence. FUSION will repair or replace defective merchandise at its discretion. The FUSION Warranty is null and void if the product has been modified or altered in any way, including, but not limited to: Removal of a harness's identification or warning labels or instructions.

The Warranty only applies to the original purchaser; the Warranty only applies to products from FUSION. FUSION reserves the right to inspect the product submitted for replace or repair prior to giving a replacement or credit. If the product manufacture date falls outside the one year guarantee limit, or if the damage is due to user neglect or improper usage, the Warranty Department will contact you to discuss repair options and possible charges. You will not be charged without your consent.

USER'S RESPONSIBILITY

Although the FUSION products are designed to help you prevent injury, however, it still is a system like others where No Guarantee of 100% from injury or death can be prevented. FUSION will not be responsible for any liability or claims on the products we manufacture. If you, as the user of this product, decide to use this product without receiving proper training and safety awareness program, then you assume 100% liability. This means even in the case of serious injury or even death, FUSION, will not take any liability for your inability to follow directions from the outset.

DISCLAIMER

The customer accepts full responsibility for any and all incidents, accidents, injuries, deaths and property damage that may and probably will occur during the building and operating of your zip line, ropes course, adventure course, climbing wall, or anything you have built using gear, equipment, or information purchased or acquired from any representative, our web site, or any affiliate site or company. Seek professional and competent advice if you are unsure of how to work with trees, cable installation or maintenance. All information related to zip line received from any representative or printed material distributed by FUSION is an opinion and shall not be interpreted as expert or professional advice. FUSION is not responsible for anything that may go wrong with your zip line installation, trees, gear, trolleys or related components. We are not responsible for any injuries or deaths that occur during the construction or operation of your zip line or adventure course. No warranty related to zip lines is expressed or implied by installation tips, construction guides, or by any representative of FUSION. Educate yourself on the proper installation, maintenance and use of everything related to your zip line or adventure course. Contact component manufacturers for information about warranty and use of their products. Serious injury and death may occur as a result from improper use of this equipment. This equipment has been designed and manufactured for use by professionals only. Do NOT attempt to use this equipment without proper training! If in doubt on the safety of this product, Label "Do Not Use" and remove the product from service. Inspect all equipment before each use. Destroy any gear that is damaged, worn, or does not pass inspection. Any Person using these products is responsible for the proper care and maintenance of these products.

WHEN IN DOUBT, REPLACE IT!! Any person using these products in any manner assumes all risks and responsibility for any damage or injury, including death, dismemberment or worse. Any litigation involving these products will be in California pursuant to California Law.



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