

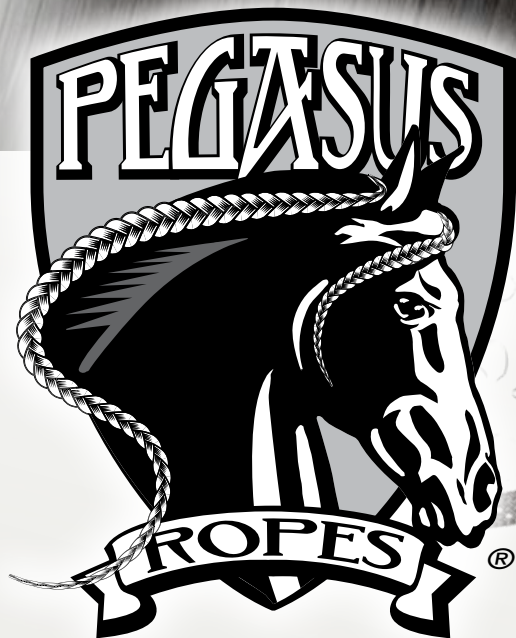
STRENGTH
that DEFIES GRAVITY™



NORTH AMERICAN RESCUE®

www.NARescue.com • 888.689.6277

PRODUCTS WITH A MISSION®



Redefining Rope Technologies

PEGASUS cores are all designed with **Innega™S**, a **new and innovative advanced fiber** that gives Pegasus Ropes® the same physical & mechanical properties – whether wet, dry or even exposed to chemicals. This **breakthrough technology** has an impressive strength-to-weight ratio, making it the lightest structural fiber available today. Innegra™'s unique composition also provides great thermal properties when used in hot or cold environments. For the first time you can be confident that the backbone of your rope's system, **your core, will perform** regardless of environmental challenges.

HARNESSING THE ADVANTAGE OF

INNEGRA™

- ✓ Ultra-lightweight
- ✓ High Strength
- ✓ Hydrophobic
- ✓ UV Stable
- ✓ Chemically Inert
- ✓ Cut Resistant
- ✓ Low Creep
- ✓ Buoyant
- ✓ Low Dielectric

The Factor of Safety (FOS) in the rope industry recommends a 10x FOS for most rope designs (working load = 10% of Minimum Break Strength) compared to the automotive, aerospace, and structural design industries' 2-3x. In part, the high rope FOS tries to compensate for the environmental, mechanical and physical "unknowns" that rope materials are exposed to.

North American Rescue (NAR) is proud to announce our **Static Pegasus Ropes® Series – the lightest weight and most versatile rope available today**. Understanding your mission requirements, NAR continues our tradition of providing tactical and rescue teams with innovative and dependable equipment that outperforms expectations in unpredictable environments. Our Pegasus Ropes® line delivers unmatched performance (wet, dry or contaminated), allowing you to utilize one rope for most missions.

Pegasus cores are composed of 100% virgin Innegra™ fiber. Innegra™ is a new, advanced material with excellent physical & mechanical properties. Characterized by its **excellent strength to weight ratio**, Innegra™S delivers a very strong, ultra-lightweight, hydrophobic, buoyant and chemically inert fiber that is **ideal for varying operational needs**.

Unlike all nylon based ropes, Pegasus' physical and mechanical properties are virtually unchanged regardless of environmental conditions such as rain, sleet, snow, mist, humidity, salt water and chemicals, allowing it to maintain its high strength, low weight and cut resistance regardless of the weather. With its superior handling,

knotability and reliably stable performance, **Pegasus is a significant advancement in rope technologies.**

Understanding Ropes vs Environment

GENERAL EFFECTS of WATER or ELEVATED HUMIDITY on NYLON*

Nylons absorb a significant amount of water/moisture, whether by immersion or, perhaps surprisingly, by simple exposure to elevated humidity for even a relatively short period of time. Once moisture enters these fibers, they never return to 100% strength or original quality. To the right are some mechanical and physical properties that are negatively affected by moisture.

NEGATIVE EFFECTS of MOISTURE on many FIBERS

↓ Strength Loss (up to 70%)

↓ Abrasion Properties

↓ Dynamic Performance

↑ Elongation

↓ Fall Arrest Peak Force

↑ Weight Gain (6%-9%)

↓ Knotability

↑ Sheath Slippage

↓ Melting Point

↑ Diameter

The chart below illustrates the various strengths and weaknesses of available rope fibers. Note that the properties highlighted in blue are testing results with water/moisture taken into consideration. Current testing protocols are all conducted in a laboratory environment with controlled humidity and temperature. Understanding the environments that you work in, we believe that **water/moisture is a major factor that needs to be considered**. Unfortunately, operational conditions are not predictable or controllable. Pegasus Ropes® use NFPA/UIAA testing standards in addition to tests conducted under full humidified/wet conditions.

Rope Fiber Characteristics

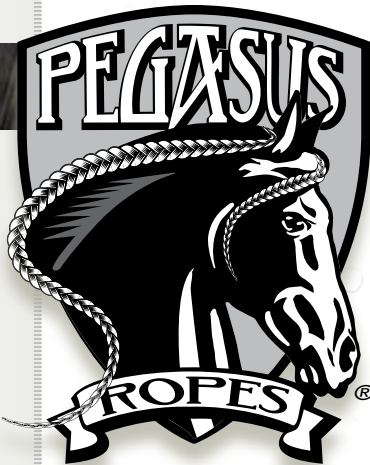
PROPERTY	Innegra®S	Polypropylene	Polyester	Nylon 6	Dyneema	Technora
Cost per lb	Good	Excellent	Excellent	Excellent	Poor	Poor
Specific Gravity g/cc (weight)	0.84	0.91	1.38	1.14	0.97	1.44
Breaking Tenacity gF/denier (dry)	9.5	3.0	9.3	9.0	38.0	23.0
Moisture Regain	Excellent	Excellent	Good	Poor	Excellent	Poor
Water Resistances	Excellent	Excellent	Excellent	Poor	Excellent	Poor
Strength Retention in H ₂ O	Excellent	Excellent	Good	Poor	Excellent	Good
Elongation at Break % (dry)	9.5	19.0	14.6	20.0	3.1	3.5
Melting Point (C/F)	162/324	162/325	256/493	254/489	147/297	427/800
Abrasion Resistance (dry)	Good	Poor	Good	Good	Good	Excellent
Abrasion Resistance (wet)	Good	Poor	Good	Poor	Good	Good
UV Resistance	Good	Poor	Good	Good	Good	Poor
Knotability	Excellent	Excellent	Excellent	Excellent	Poor	Good
Chemical Resistance: ACID	Excellent	Excellent	Excellent	Poor	Excellent	Excellent
Chemical Resistance: ALKALI	Excellent	Excellent	Poor	Good	Excellent	Good
Chemical Resistance: ORGANIC SOLVENT	Excellent	Excellent	Good	Good	Good	Good

The Rope Fiber Characteristic chart is a homogenized view of fiber characteristics. Many factors can alter performance of materials.

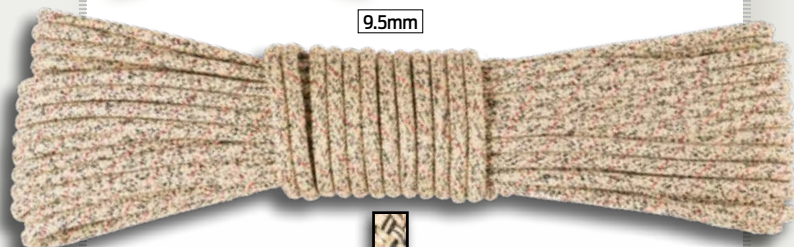
*Sterling Rope Company's "Guide to Rope Engineering, Design and Use, (Flory, McKenna, Parsey, 1982) (UT Knoxville (Raghavendra R. Hegde, Atul Dahiya, M. G. Kamath (Monika Kannadaguli and Ramaiah Kotra April, 2004)

"AMILAN* Nylon Resin." Mechanical Properties | AMILAN* | Plastics Products | TORAY. Toray Industries Inc., n.d. Web. 08 Oct. 2013.

Note: Para-Aramid (Kevlar, Nomex, Technora) are hydrophilic (water absorbing) have the same general properties when moisture enters the fiber.



OLYMPUS

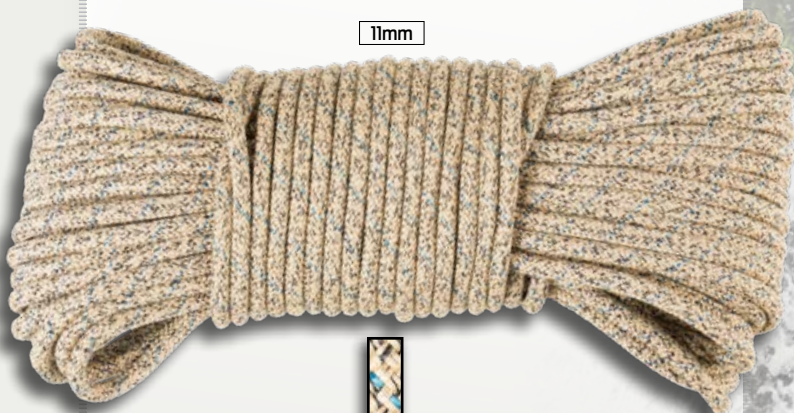


9.5mm



Diameter:9.5mm
 Weight:3.82 lb per 100 ft
 Elongation:1.6%
 Rope MBS (Dry Break).....5495 lbf (24.4 kN)
 Fibers (core/sheath):.....Innegra™/Technora
 Sheath Ratio:.....62% Technora

Item# 90-0401.....Gold w/Black & Red Runner



11mm



Diameter:11mm
 Weight:4.99 lb per 100 ft
 Elongation:1.1%
 Tensile Strength:.....6834 lbf (30.4 kN)
 Fibers (core/sheath):.....Innegra™/Technora
 Sheath Ratio:.....60% Technora

Item# 90-0400.....Gold w/Black & Blue Runner

NOTE: Testing conducted by 3rd party UL Rated Laboratories.

STRENGTH *that DEFIES GRAVITY™*

Olympus Series™ Canyoneering, mountaineering and caving represent some of the most challenging and abusive environments for safety equipment on the planet. NAR has designed a line of durable, lightweight and great handling ropes that offer reliability in all weather conditions. Whether it's raining, submerged in salt water or -40°F, Pegasus Ropes® always perform. Olympus is **engineered for rough terrain and sharp edges** by offering a thick and highly twisted Technora sheath for added strength and excellent abrasion resistance. The Innegra™ core is ultra-lightweight and strong, allowing the rope to have a **dependable core that is so buoyant that it floats** with the thicker sheath. Combining these two high performance fibers creates the ultimate in advanced rope performance.

- Technora sheath for abrasion, cut resistance & heat resistance
- Innegra™ core for reliable strength, durability & flotation whether wet, dry or contaminated
- Easy to knot with a great feel
- Easily stored and deployed from stuffed sack
- Low stretch – wet or dry
- High strength to weight ratio – wet or dry

9.5mm has **62%**
Technora sheath
 that still **Floats**



Stallion Series™ When weight really matters.... our Stallion Series™ has no rival. Designed specifically for military and law enforcement operations, Stallion features **ultra-lightweight and low visibility rope** construction that performs regardless of operational extremes. **Teams never have to gamble safety by using smaller diameter ropes for weight reduction again.** Innegra™ has an excellent strength to weight ratio and is hydrophobic – neither the physical nor mechanical properties of Stallion change when the rope is wet.

- Innegra™ core for reliable strength, durability & flotation
- Innegra™ tight & high twist sheath pattern to increase abrasion resistance & reduce weight
- Low stretch – wet or dry
- High strength to weight ratio – wet or dry
- Low sheath slippage
- Chemical resistance to acids, bases & common industrial chemicals
- Buoyant
- Low Dielectric
- UV Stable



STALLION



9.5mm

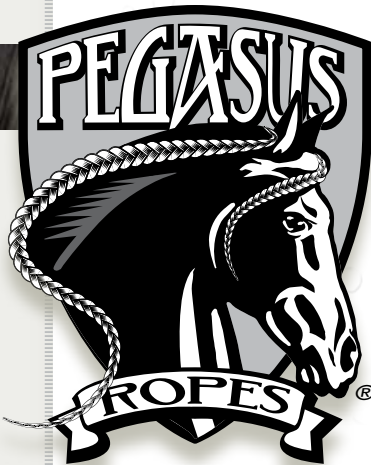


Diameter:9.5mm
 Weight:2.9 lb per 100 ft
 Tensile Strength:5100 lbf (22.7 kN)
 Fibers (core/sheath):Innegra™/Innegra™
 Sheath Ratio:24% Innegra™

Item# 90-0103.....Black w/Blue Runner & Reflective Tape
 Item# 90-0104Black w/Blue Runner

NOTE: Testing conducted by 3rd party UL Rated Laboratories.

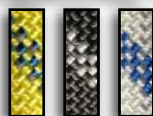
100 ft of 9.5mm rope
5100 lb OF strength
under 3 lb
 wet OR dry



**WAR
HORSE**



9.5mm



Diameter:9.5mm
 Weight:3.34 lb per 100 ft
 Tensile Strength:5100 lbf (22.7 kN)
 Fibers (core/sheath):Innegra™/Polyester
 Sheath Ratio:28% Polyester
 Ratings:NFPA 1983/2012 Throwline (Pending)

Item# 90-0205.....HiVis Yellow w/Blue Runner & Reflective Tape
 Item# 90-0206Black w/Grey Runner & Reflective Tape
 Item# 90-0208White w/Blue Runner

9.1mm



Diameter:9.1mm
 Weight:4.88 lb per 100 ft
 Tensile Strength:5670 lbf (22.7 kN)
 Fibers (core/sheath):Innegra™/Polyester
 Sheath Ratio:63% Polyester
 Ratings:NFPA 1983/2012 Throwline (Pending)

Item# 90-0207Black w/Grey Runner

STRENGTH *that DEFIES GRAVITY™*

Warhorse Series™ Warhorse is a **high quality, multipurpose rope** featuring a 100% Innegra™ fiber braided core with a high twist polyester sheath, allowing **superior performance**. Warhorse is a static rope designed to provide reliability, high performance, great handling, excellent knot-ability with high strength, low weight, low elongation, whether wet, dry or any other climatic condition.

- **Innegra™ core for reliable strength, durability & flotation**
- **Low stretch – wet or dry**
- **High strength to weight ratio– wet or dry**
- **Low sheath slippage**
- **Chemical resistance to acids, bases & common industrial chemicals**
- **Buoyant**
- **Low Dielectric**
- **UV Stable**
- **Soft to the touch**
- **Easily stored and deployed from stuffed sack**

Unchanging
physical/mechanical properties
wet, dry OR contaminated
WITH chemicals

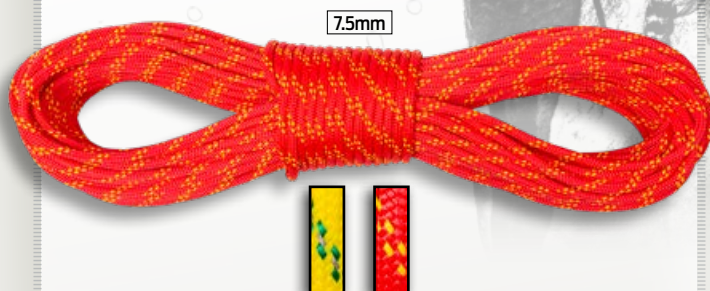


Triton Series™ Triton is *specifically designed for water rescue professionals and as a high quality tag line*. Featuring 100% Innegra™ fiber braided core which is the lightest structure fiber available giving Triton additional buoyancy, low elongation and consistent strength. The sheath is made of high quality polypropylene that adds additional flotation and protection to the core. The combination of these materials give you a **high strength and durable** rope that is soft to the touch and can be easily stored in throw or rope bags. Triton is also used as a tag line for rescue operations.

- Innegra™ core for reliable strength, durability & flotation
- Low stretch –wet or dry
- High strength to weight ratio – wet or dry
- Low sheath slippage
- Chemical resistance to acids, bases & common industrial chemicals
- Buoyant
- Low Dielectric
- UV Stable
- Soft to the touch
- Easily stored and deployed from stuffed sack



TRITON



Diameter: 7.5mm
 Weight: 2 lb per 100 ft
 Tensile Strength (Dry): 3050 lbf (13.6 kN)
 Tensile Strength (Wet) 3050 lbf (13.6 kN)
 Fibers (core/sheath): Innegra™/Polypropylene
 Sheath Ratio: 46% Polypropylene
 Ratings: NFPA 1983/2012 Throwline (Pending)

Item# 90-0303 HiVis Yellow w/Green Runner & Reflective Tape
 Item# 90-0305 HiVis Red w/Yellow Runner

NOTE: Testing conducted by 3rd party UL Rated Laboratories.

10% **Lighter** AND
250% Stronger
 THAN polypropylene

High Angle Rescue

R.A.C.E. System (Rapid Access Casualty Extraction)



Lightweight, multiple use casualty evacuation system enabling first responders/medical providers to ascend, descend, hoist & lower both rescuer and casualty to safety so that patient care may be continued.

- Combines 150 ft of lightweight durable 9.5 mm Olympus Pegasus Rope® with the latest in lightweight multipurpose hardware all in a super compact storage platform.
- Capable of rigging 2:1, 3:1, 4:1, 5:1, 6:1, and 9:1 systems in different configurations for a wide variety of rescuer options.
- Nylon bag features bottom zipper hardware pouch with 6 MOLLE/PALS loops for hardware organization and 4 elastic loops for stowing straps, anchor and foot loops.
- Front pocket allows for optional storage of helmet and rope guard.
- Rope compartment features two-bar-tacked internal webbing loops for rope ends.
- Carriage options include 4 Point, D-ring configurable modified side and/or backpack carry-style adjustable strap.

COY MTC

Kit Dimensions:

H 15 in. x W 10 in. x D 7.5 in.

Wt: 10 lb 14 oz

R.A.C.E. System

Color	Item#	NSN#
MTC	90-0063	
COY	90-0077	



- 1 60 ft Olympus 9.5mm Pegasus Rope®
- 1 60 cm Anneau Sling
- 1 120 cm Anneau Sling
- 1 Footape Adjustable Foot Loop
- 1 Hasty Harness
- 1 18 in. Rope Edge Guard
- 1 Belay Device GRIGRI 2
- 1 Ascender Basic
- 1 Rope Grab / Ascender TIBLOC
- 1 Belay / Rappel Reverso 4
- 1 Pulley Mini-Machined
- 1 TriRig Rigging Plate
- 2 rockD Carabiner



ORG

Kit Dimensions:

L 11 in. x W 4.5 in. x D 4 in.

Wt: 2 lb 8 oz

Belt Throw Bag

Item#	NSN#
90-0065	



60 ft Triton 7.5mm Pegasus Rope®

Water Rescue Belt Throw Bag

A multipurpose water rescue solution designed for easy deployment and retrieval for rescuers.

- The quick release reverse tapered throwbag holds 60 ft of 7.5 mm Triton Pegasus Rope® rated at over 3,300 lb.
- Kit's reverse tapered design allows for rapid packing of the Triton rope and a slim profile for users.
- The adjustable belt features 2 in. quick release strap, 1.5 in. plastic cam buckle and red toggle ball for easy ID and throwbag release during water rescue work or paddling.
- Configured with pre-tied Figure 8 knots on both rope ends to maximize working load of rope.
- Kit also features a cinch top with 550 Cord, plastic cordloc and hook-and-loop top flap, 2 front gear storage pockets as well as a foam backpad for comfort and bag flotation.

50 ft Throw Bag

A must-have necessity for water rescue.

- Durable, easy-to-use rescue device with a highly visible orange nylon bag and mesh panels that drain quickly for use in multiple rescue operations.
- Packed with 50 ft of 7.5 mm Triton Pegasus Rope® rated at 3,300 lb.
- Triton rope is strong enough for multiple uses: as a throw line, tension diagonal, tow line and for pinned kayak recovery.



ORG

Kit Dimensions:

8.5 in. x W 4.5 in. x 4.5 in.

Wt: 1 lb 5 oz

50 ft Throw Bag

Item#

NSN#

90-0064



Rescue Pegasus Rope® Kits



Helo Tagline Kit

Help control litter movement during hoist operations – a requirement on all Army MEDEVAC helicopters.

- Contains 250 ft of 7.5 mm Triton Pegasus® Rope featuring a highly visible polypropylene sheath with a super strong Innegra™ core.
- Includes 1 locking carabiner, 10 weak links (designed to break away if the litter is snagged during the hoist) and 1 stainless steel quick link.

Helo Tagline Kit

Item#

NSN#

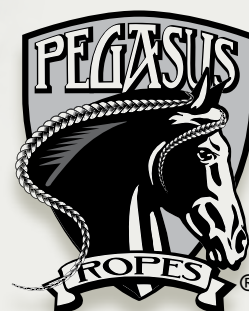
90-0069

BLK

Packed Kit Dimensions:

L 11 in. x W 7 in. x D 7 in.

Wt: 5 lb 13 oz



Rescue Gear & Accessories



Petzl® TiBloc Ascender/Rope Grab

- Ultra-light Emergency Ascender/Rope Grab that can be used to build hauling systems or as a Prusik-replacement in self-rescue situations.
- Chrome-plated steel cam with angled teeth & self-cleaning slot securely grips the rope, even in muddy or icy conditions.
- Can be used as a progress capture device in a hauling system.
- Small top hole allows the attachment of keeper cord.

Dimensions:

Rope Size: 8 to 11 mm

Wt: 39 g

TiBloc



Item#	NSN#
ZZ-0547	



Petzl® Basic Ascender

- Compact ascender with excellent grip for rope ascent on a fixed line or as progress capture in a hauling system.
- Toothed cam with self-cleaning slot optimizes performance under any conditions (e.g. frozen or dirty ropes).
- Stainless steel cam has better resistance to corrosion.
- Lower attachment hole large enough for two carabiners (lanyard and foot loop).
- Upper connection hole for guiding the rope

Dimensions:

Rope Size: Single, 8 to 11 mm

Wt: 85 g

Basic Ascender



Item#	NSN#
ZZ-0554	



Petzl® GRIGRI 2 Belay Device

- Compact, ultra-light belay device allowing excellent control during the descent with assisted braking capability on all single dynamic 8.9 to 11 mm rope.
- Enables one hand to hold the rope while the other utilizes the patented handle to unlock the cam for a gradual, controlled release of the rope
- Ensures added security when lowering a partner or rappelling.
- Features aluminum side plates, stainless steel cam and friction plate, reinforced nylon handle.

Dimensions:

Rope Size: 8 to 11 mm

Wt: 170 g

GRIGRI 2



Item#	NSN#
ZZ-0545	



Petzl® REVERSO 4 Belay/Rappel Device

- Ultra-light, multi-purpose, hot-forged aluminum belay/rappel device that regulates the amount of braking friction on the rope according to its diameter and condition
- Reverso mode. V-shaped friction channels with asymmetrical lateral grooves adapt the friction to the type of rope for better control
- Reverso mode for belaying one or two seconds with assisted braking

Dimensions:

Rope Size: Half Ropes & Twin Ropes - ≥ 7.5 mm
Single Ropes - ≥ 8.9 mm

Wt: 59 g

REVERSO 4

Item#	NSN#
ZZ-0546	



TriRig



Item#	NSN#
ZZ-0553	

Rock Exotica® TriRig Rigging Plate

- For easy organization of the work area and for creating multiple anchor systems
- 19 mm holes allow the locking sleeves of most carabiners to pass through
- Aluminum construction with excellent strength-to-weight ratio

Dimensions:

Breaking strength: 36 kN

Wt: 51 g



Rock Exotica® rockD Carabiner

- Narrow asymmetric "D" shape machined frame carabiner
- Snag resistant key lock nose
- Large ergonomic angled gate opening

Gate opening:

24 mm

Wt: 73 g

rockD



Item#	NSN#
ZZ-0543	

Rock Exotica® Mini-Machined Pulley

- Mini pulley with recessed axle screw, machined side plates and integrated axle
- Stronger, compact, snag-free profile efficiency.



Mini-Machined Pulley

Item#	NSN#
ZZ-0548	

Dimensions:

Rope Size: up to 11 mm

Wt: 83 g



Petzl® Footape Adjustable Foot Loop

- Adjustable nylon foot loop for attachment to the BASIC rope clamp for rope ascents.
- Underfoot strap is abrasion-resistant & slightly rigid to make it easier to step into.
- Adjustable elastic keeps the foot in the foot loop with any type of shoe.
- Mini DoubleBack buckle easily & quickly adjusts length of foot loop.

Dimensions: Wt: 65g

Petzl® Footape

Item#	NSN#
ZZ-0551	



Dimensions:
Breaking strength: 22 kN
Width: 19 mm

Petzl® Anneau Slings
Polyester sling to set up a belay or an anchor, or to extend an anchor point.

Size	Item#	NSN#
60 cm	ZZ-0549	
120 cm	ZZ-0550	



L 60 cm Wt: 58 g

L 120 cm Wt: 98 g

Carabiners



Shield



Minor Axis -
1,573 lb (7 kN)

Item#	NSN#
90-0005	

Loading Strength:
Major Axis -
5,395 lb (24 kN)

Open Gate -
2,248 lb (10 kN)

Device Dimension:
L 3.94 in. x W 2.36 in.
Wt: 1.13 oz



Aero Screwgate



Minor Axis -
2,023 lb (9 kN)

Item#	NSN#
90-0006	

Loading Strength:
Major Axis -
5,620 lb (25 kN)

Open Gate -
2,023 lb (9 kN)

Gate Opening Clearance: 17 mm
Wt: 2.1 oz



Revolver



Minor Axis -
1,573 lb (7 kN)

Item#	NSN#
90-0007	

Loading Strength:
Major Axis -
5,395 lb (24 kN)

Open Gate -
2,023 lb (9 kN)

Gate Opening Clearance: 0.95 in.
Wt: 1.55 oz



NOTE:
Headlamp sold separately.
Helmet not included.

Petzl® TACTIKKA®+RGB Headlamp

Versatile weather-resistant LED headlamp with CONSTANT LIGHTING technology ensuring that brightness remains steady as the batteries are drained.

- Suitable for proximity lighting & rapid movement, allowing stealth while preserving night vision.
- Keeps hands free; may be worn on a helmet, on the head or around the neck.
- Push-button switch is easy to use, even with gloves on.
- Washable headband adjusts easily with buckle for easy donning.
- Includes 3 AAA/LR03 batteries.
- Wide range selection of modes and lighting colors to adapt to each situation.

Ambient Mode: Wide beam with reduced brightness, avoids blinding others in a group situation and provides a long burn time.

Close Range Vision Mode: Mixed beam with wide, uniform flood or 3 colored LED lighting modes (red, green and blue) to remain discreet.

Device Dimensions:

Light Output: Min. 5 Lumens

Max. 120 Lumens
(160 Lumens on Boost mode)

Wt: (including batteries) 3 oz



Movement Mode: Mixed beam with focused component allows user to move around comfortably.

Boost Mode: Used for temporary access to maximum power, 160 lumens (60 m).

Strobe mode: Used for signaling one's presence; accessible at any time.

Reserve Mode: Burn time management automatically switches on by signaling with blinking light when batteries are almost drained. Red lighting activates to preserve a minimal amount of lighting.

Petzl® TACTIKKA®+RGB

Item#	NSN#
ZZ-0552	



NAR Headlamp

Device Dimensions:

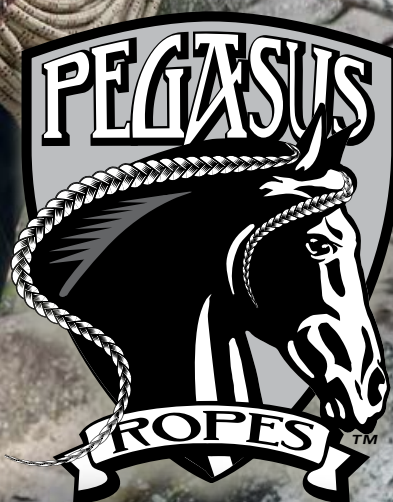
Faceshield diameter - 1.3 in.

Headlight (including head strap & mounting plate) - W 2.25 in. x D 1.6 in.

Wt: (including batteries & headband) 2.75 oz

Item#	NSN#
ZZ-0106	6515-01-542-7937





STRENGTH *that DEFIES GRAVITY™*

