AMAROK TECHNICAL GEAR

Helo Lanyard™ Operator Retention System

- Operator Safety
- O Ease Of Use
- OSimple & Secure
- Thoroughly Tested
- O Approved For Use And Used By Canadian Special Forces





Helo Lanyard™ - Major Features

- Design Inspired By And For Tier 1 Operators
- Design-Input & Testing By Tier-1Operators
- Purpose-Built As Tactical Position/Retention Lanyard For Military & SWAT Operators
- Approved And Integrated By Canadian Special Forces

- Calibrated Force-Limiting
 - Limits Forces to ~4kN / 900 lbf. In The Event Of An Un-Planned Landing
- Emergency Release At The Body
- One-Handed Adjustment
 - Adjustable At The Body
- Use With Light To Heavy Gloves
- Direct Connection To Harness Or Rigger's Belt
 - Connect to Soft Loop Or Hard Ring
- Rated System Strength of 13.5kN / 3,000 lbf



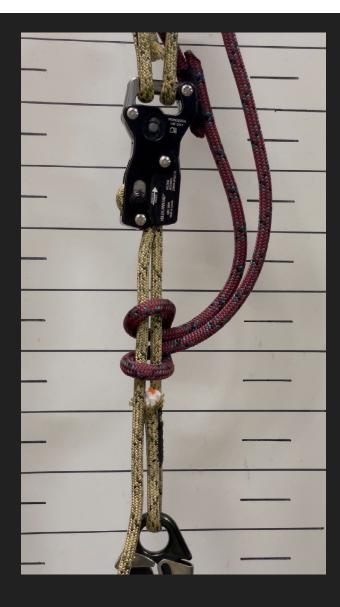
Operator Safety

- **OForce-Limiting**
- Quick-Disconnect
- Environmental Factors

- In The Event Of An Unplanned Landing The Forces Need To Be Limited For Operator Survivability.
 - Calibrated ~4kN / 900 lbf. Slip-Force
 - Operator Can Survive Initial Forces
 - Anchor Points In Helicopter Are Maintained (Typically Rated To 12kN / 2,700 lbf.)
 - Operator Is Kept Inside
 - Even If Hanging Can Be Quickly & Easily Disconnected
 - Designed To Shed Beach Sand/Grit From Internal Components



Video Demonstrates The Two-Stage Quick-Release At ~1,400 Newtons / 310 LBF





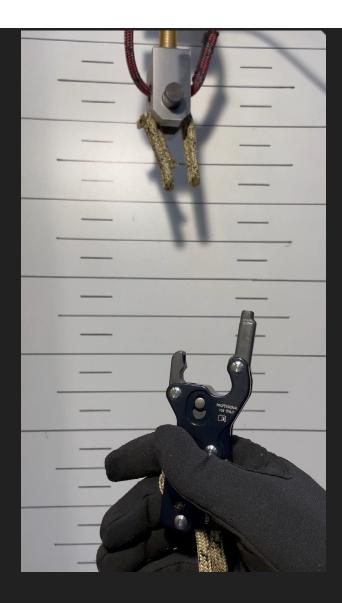
Ease Of Use

- OClean And Simple
- OAdjustable
- **O**Fast

- Quick, Multiple Attachment Options
 - Soft And Hard Harness Points And Accommodates A Carabiner
- Easy To Keep Tidy
- One-Handed Adjustment At The Body Both In And Out
- Quick And Simple To Learn And Use

Ease Of Attachment

Video Demonstrates The Ease Of Locking The Gate For Attachment To Harness Or Riggers Belt





Details

Purposeful Rope Selection

- OpLux 8mm Rope Specifically Chosen To Engineer The Helo Lanyard™
 - Easily Distinguished From All The Webbing And Straps An Operator Already Carries
 - Strong, Light, Cut & Abrasion Resistant
 - In Deliberate Rescue, Rope Is Easier To Cut Than Flat Webbing When Loaded Against Floor Or Edge
 - O Hydrophobic
 - Outer Sheath Identifiable At Close Range With NVG
 - Triple Overhand Knot At Adjustment-End To Further-Strengthen The System



Details

- Multiple Lengths Available
- Options Include 2-Stage And 3-Stage Carabiners

- Standard Lengths Available
 - Operator: 18 20 Inches Adjustment, 2-Stage Carabiner: SRP \$298
 - Ariel Medic: 29 31 Inches Adjustment, 3-Stage Carabiner: SRP - \$310
 - Jump Master: 86 88 Inches Adjustment, 3-Stage Carabiner: SRP - \$320
- Anchor Connector Options
 - O Kong 2-Stage Locking Carabiner
 - ISC 3-Stage Locking Carabiner



Operator Personal Retention Lanyard Comparison









Features	Helo Lanyard™	Purcell Prusik (6mm cord)	Snap-Shackle Style	Petzl Helo Adjust Lanyard
Calibrated Slip Force:	Yes. ~4kN / 900 lbf	No	2.5kN/600lbf (If Purchased With Option)	No
Quick Release:	Yes. Easy, Safe Double-Action At the Operator	No	Yes. Less Secure Release Mechanism At The Operator	Yes. Less Secure Release Mechanism At The Operator
Adjustable Length:	Yes. Simple, Efficient One-handed In And Out at the Operator	Yes. Two-handed, half its length	Dependant on Model. 2-Handed To Lengthen, One-handed To Shorten. Awkward Use At Anchor Point	Yes. 2-Handed To Lengthen, One- handed To Shortenen. Awkward Use At Anchor Point
Breaking Strength (system):	13.5 kN / 3000 lbf	10kn / 2250 lbf	15kN / 3300 lbf	13.3kN / 3000 lbf
Standard Adjustment Lengths:	Operator:18 - 20 inches, Ariel Medic:29- 31 inches, Rappel Master:86-88 inches	Determined by Cord Length	16 inches	18 - 30 inches
Custom Length Available:	Yes	Yes	Limited	No
Cut Resistance:	Yes. Cut-Resistant Spectra Core/Technora Sheath	No	No	No
Visible with NVG:	Yes	No	No	No
Weight:	Operator: 385 grams/13.6oz.(With Calibrated Slip-Force,Adjustable Length)	Approx. 475g/16.76oz.(With 2-Stage carabiners)	Approx. 400g/14.1oz(Non-Adjustable & No Slip-Force Protection Options)	405g/14.2oz.(No Slip-Force Protection)
Multiple Connection Options:	Yes	Dependant on User-Choice	Yes	No



OHelo Lanyard™

- O Quick, Safe, Double-Action Emergency Release
- Calibrated Slip Force To Protect Operator From Potential Excessive Forces
- Easily Adjustable Length (In And Out) Using One Hand
- Cut/Abrasion-Resistant 8mm Rope Used Which Easily Distinguishes It From Other Webbing On The Operator
- Visible With NVG
- Three Standard Lengths Available
- Custom Lengths Available
- 2-Stage And 3-Stage Snap-Hooks Available

OPurcell Prusik

- Only Meant As A Restraint
- Not Meant To Be Fallen On Or Shock-Loaded
- Testing (100kg) Demonstrates The Purcell Going To Full Extension. Depending On Length Will Not Keep You Inside The Helo Or Other Craft
- Easily Tangles With Everything Around Your Gun Belt
- If Used With Snap-Hooks On Each End It Is Extremely Difficult To Release From If Hanging/Loaded
- O If Used With "Pelican-Style" Single-Stage Release;
 - No Safety Redundancy For Release
 - When Hanging/Loaded It Must Be Pulled Within A Couple Of Degrees Of Optimal Angle Or It Will Not Release
 - Difficult To Use With Heavy Gloves
 - Most Are Cheap, Mass-Produced And Are Known To Inadvertently Release



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- Easily Adjustable Length (In And Out) Using One Hand
- Cut/Abrasion-Resistant 8mm Rope Used Which Easily Distinguishes It From Other Webbing On The Operator
- Visible With NVG
- Three Standard Lengths Available
- Custom <u>Lengths Available</u>
- 2-Stage And 3-Stage Snap-Hooks Available

Webbing Style Lanyard

- If Used With "Pelican-Style" Single-Stage Release;
 - No Safety Redundancy For Release
 - When Hanging/Loaded It Must Be Pulled Within A Couple Of Degrees Of Optimal Angle Or It Will Not Release
 - Difficult To Use With Heavy Gloves
 - Most Are Cheap, Mass-Produced And Are Known To Inadvertently Release
- If Used With Snap-Hooks On Each End It Is Extremely Difficult To Release From If Hanging/Loaded
- More Webbing So Not Easily Distinguished From Other Accessories
- If Adjustable, That Hardware Is Only Rated To ~6kN / 1,350lbf. After That Force-Point The Operator Will Instantly Go To Full Extension Of System And Potentially Fail The Anchor
- If Not Adjustable There Is Very Little Force-Reduction On The Operator



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- Easily Adjustable Length (In And Out) Using One Hand
- Cut/Abrasion-Resistant 8mm Rope Used Which Easily Distinguishes It From Other Webbing On The Operator
- Visible With NVG
- Three Standard Lengths Available
- Custom Lengths Available
- 2-Stage And 3-Stage Snap-Hooks Available

Petzl Helo Adjust Lanyard

- Semi-Static Rope Offers Little to No Force-Protection For The Operator Or Anchors
- Two-Hand Adjustment To Shorten
- One Standard Length Available
- O If Used With "Pelican-Style" Single-Stage Release;
 - O No Safety Redundancy For Release
 - When Hanging/Loaded It Must Be Pulled Within A Couple Of Degrees Of Optimal Angle Or It Will Not Release
 - Difficult To Use With Heavy Gloves
 - Most Are Cheap, Mass-Produced And Are Known To Inadvertently Release
- If Used With Snap-Hooks On Each End It Is Extremely Difficult To Release From If Hanging/Loaded



Helo Lanyard™

Focused On Operator Safety



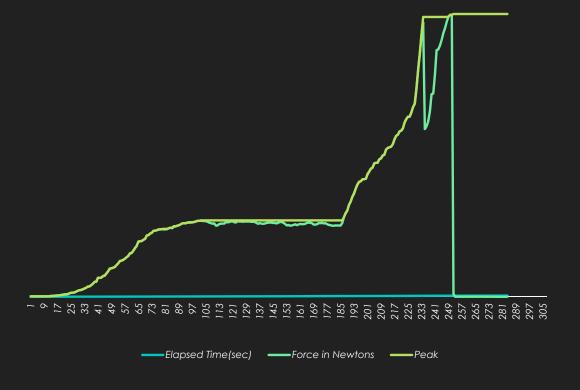
Extensively Tested

Pull-Testing

Testing For Slip-Force

Ultimate Strength Testing

Test #067 Rev.23 Helo Lanyard Slip Force & Peak Force, Nov. 15, 2022

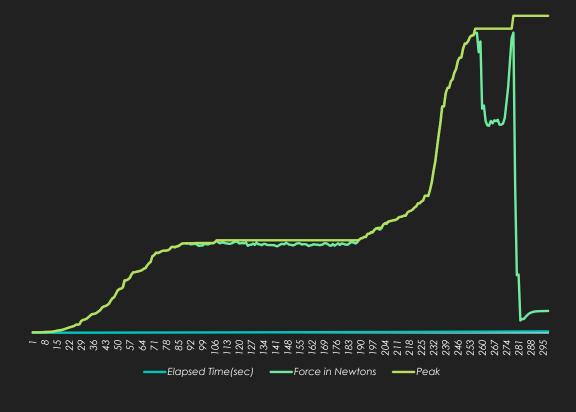


Extensively Tested

Pull-Testing

- Slip-Force
- Ultimate Strength Testing

Test #068 Rev.23 Helo Lanyard Slip-Force & Peak Force, Nov. 15, 2022

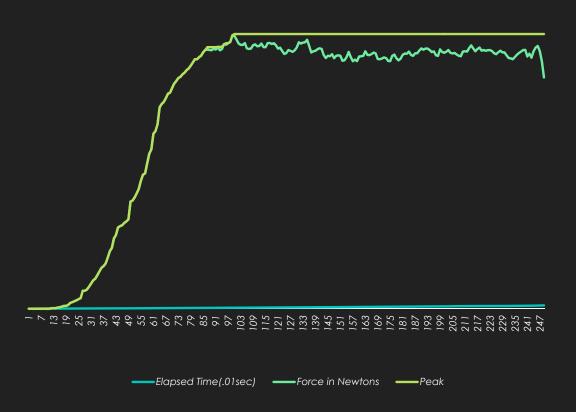


Extensively Tested

Pull-Testing

- Slip-Force
- Ultimate Strength Testing

Test #069 Rev.23 Helo Lanyard Slip-Force Test, May 3, 2023

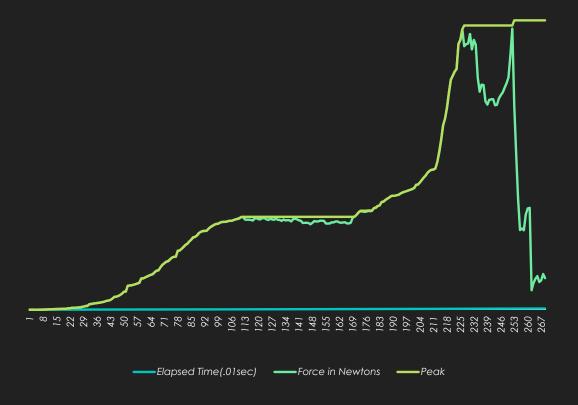


Extensively Tested

Pull-Testing

- Slip-Force
- Ultimate Strength Testing

Test #071 Rev.23 Helo Lanyard Slip Force & Peak Force, May 3, 2023



Extensively Tested

Pull-Testing

- Slip-Force
- Ultimate Strength Testing

Test #072 Rev.23 Helo Lanyard Slip Force & Peak Force, May 3, 2023

