

HAVOC Assault Ropes

Wreak HAVOC, with confidence!

The Operationally Unparalleled **HAVOC Assault Rope Series** is the foundation of North American Rescue's Vertical Access, Extraction, & Evacuation Systems.

The Synergistic Innovation of the **HAVOC Assault Rope Series** emerges from the pairing of 2 uniquely robust Fibers, Meticulously Engineered and Manufactured, to forge ropes with **Unmatched Capabilities & Resilience** – capable of countering the harshest environmental pathologies found in full-spectrum vertical responses.

NAR® & EDELRID, the industry leader with 150 years of experience in rope manufacturing, have joined forces with multi-disciplinary vertical specialists to innovate the **most tenacious small diameter ropes on the market today** – engineered to counter the most severe environmental pathologies found throughout full spectrum operations... whether at work or at play.

The unique material selection & engineering of the HAVOC core, specifically the **Innegra™ Braided Fiber Core Integration**, provides **superior durability, low cyclic fatigue** properties, an **extremely low specific gravity** and structural weight, **superior resistance to the harshest contaminants** (acids, bases, and organic solvents), and unrivaled cut-resistance. The novel tensioning and fiber refinement techniques utilized within the 16-carrier **12-braid Innegra™ core amplifies its overall robustness and resilience** providing an operational rope which acts as a countermeasure to anticipated environmental challenges.

The specialized core of the NAR® **HAVOC Assault Rope Series** is protected by a higher density, precision double braided Technora® sheath to synergistically interface with the core for **optimized strength, elongation, decreased creep, heat resistance, and operational safety**. To reinforce and exceed the **abrasion resistance, cut resistance, and overall durability** of other competitive ropes, the HAVOC Rope Series strategically bulked up the sheath percentage of each rope while maintaining a tightly weaved, snag-free, exterior cover.



Innovative Synergy of 2 unique Fibers engineered for **unmatched Confidence & Resilience** from Ropes in **Challenging Environments...**

REV102524

**INNEGRA™
CORE**



**52.5%
Technora®
Sheath
(8mm)**

**54%
Technora®
Sheath
(9.5mm)**

Special Features:

CORE

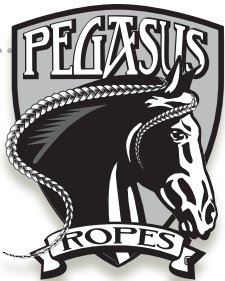
- **Innegra™** Lightest Weight Structural Fiber on the market with a very Low Specific Gravity
- Resistant fo Harsh Contaminants & Chemicals
- Hydrophobic
- Low Flex Fatigue
- Superior Durability
- Extremely High Cut Resistance
- (8mm) Meets EN 564

SHEATH

- **Technora® Sheath** Ratio by wht:
8mm - 52.2%
9mm - 54%
- **The most robust on the market!**
- Resistant to Cuts, Abrasion & Heat
- Optimized Strength
- Decreased Creep
- Increased Durability & Safety



PRODUCTS
WITH A **MISSION®**



HAVOC Assault Ropes

Engineered to counter the pathologies innate to the following environments and/or tactical/operational mission sets:

- Mountain/Rough Terrain Movement & Evacuation
- Urban Access, Extraction, & Rescue
- Emergency Egress/Bail-Out
- Waterborne/Maritime Access & Rescue
- Cave/Subterranean Response
- Snow/Ice Rescue
- Shipboard Response, Rescue, & Evacuation
- Canyon Movement & Rescue (Class B and C)
- Confined Space Rescue
- Wilderness SAR
- Wildland REMS
- Rescue Task Force (RTF)

Specifications:

Diameter: 8mm

- Breaking Strength: 5,615 lbs. (25 kN)
- Weight: 2.9 lbs per 100ft.
- Elongation: 3.58% at 300 lbs.
- Sheath Ratio: 52.5%
- Certifications: Meets EN 564

Diameter: 9.5mm

- Breaking Strength: 6,519 lbs. (29 kN)
- Weight: 3.8 lbs per 100ft.
- Elongation: 3.5% at 300 lbs.
- Sheath Ratio: 54%

8mm
HAVOC
Assault Rope

LENGTH	ITEM #
50 ft	90-8501
75 ft	90-0403
100 ft	90-1402
150 ft	90-0404
200 ft	90-2402
300 ft	90-3402
600 ft	90-6402

9.5mm
HAVOC
Assault Rope

LENGTH	ITEM #
50 ft	90-0450
75 ft	90-0475
100 ft	90-1005
150 ft	90-1505
200 ft	90-2005
300 ft	90-3005
660 ft	90-6605



REV102524

8mm

9.5mm
HAVOC
Assault Rope

8mm
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