

ELEMENT RESCUE



BAG LOAD-OUT & METHODOLOGY

Disclaimer: The bags, kits, & components contained within our load-outs are contextually specific to the vertical mobility / maneuvering we typically perform...which is often dictated by the environmental pathologies & mission / call-out KPP's (Key Performance Parameters) - VUCA-T². There are a hundred ways to "skin this cat", and we often make small alterations to our load-outs due to boredom, ADHD, and/or system efficiency. We have attempted to give some of the thought processes / methodology to the kits, components, & application of our load-out system(s). Vertical movement is inherently dangerous, because most of our work and associated gear is designed for light & fast capabilities in a VUCA-T² environment...without belay lines or twin systems of any kind...meaning many times there is a small "therapeutic window". As a result of this small therapeutic window, please understand the nonlinear physics of system rigging, train incessantly in "safe to fail" environments, & don't commit hubris - playing make believe / LARP-ing that you're an operational rescue guru, knowing more than you do - then getting yourself or a student believing your hype injured or worse. (You know who you are...) For any additional questions, please contact us.

FYSA / Background: This series consists of four (4) bags. None of these bags are what we utilize for operational, recreational, or full mission training evolutions. These bags are basically portable lockers from which we pick & choose from at our "launch" point - based on current and projected environmental pathology, organic assets, mobility constraints and contingency considerations. These items are then packed into our context-specific bag(s) for vertical maneuvering based on our 1st, 2nd, & 3rd order of accessibility. **Bag 1** (Primary / Foundational Gear) & **Bag 2** (Mission / Context-Specific, addresses nuance / subtle of environment) are packed out utilizing principles from Design Thinking / Systems Behavior. The framework we used contains select models from HRO (High Reliability Organizing), Antifragile, Agile, JSOU SOC 3440 & SOC 4445, UX / UI / HCD (User Experience / User Interface / Human - Centric Design), Multi-Scale Requisite Variety, Multi-Scale Requisite Diversity, ARSOF 2022, & School of Advanced Military Studies (SAMS) - Art of Design.

BAG - 1

COMPARTMENT #6

COMPARTMENT #7

COMPARTMENT #4

COMPARTMENT #5

COMPARTMENT #1 (SLEEVE)

COMPARTMENT #2

COMPARTMENT #3

OPEN REGION (BASE)

Bag #1: MAMMUT Neon 35L
Current Fully Packed Weight:
 23.22 lbs. / 10.53 kg
of Items in pack:
 ~ An Ass-Metric Ton

NO BALLISTICS - NO FORENSICS - NO WITNESSES - SNATCH & GRAB - ALL STAR
 Element Rescue

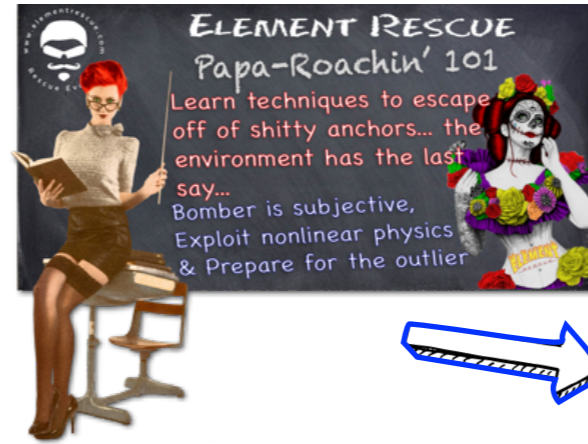


Bag Load-Out & Methodology



OPEN REGION - INSIDE BASE:

- *Austere / Dynamic / RT Evac Anchor Kit:*
 - ▶ *Mammut Multipitch Chalk Bag*
 - ▶ *40' Innegra 1" Tubular Webbing*
 - ▶ *2 x Polycarbonate Ghosting / Retrieval Toggles*
 - ▶ *5 x 7mm / 8mm Rapides*
 - ▶ *2 x SMC Rap / Descent Rings*
 - ▶ *1 x Pre-tied RIT 900 retrievable sling w/ HMS & Rapide*
 - ▶ *1 x Orange Seatbelt Cutter*



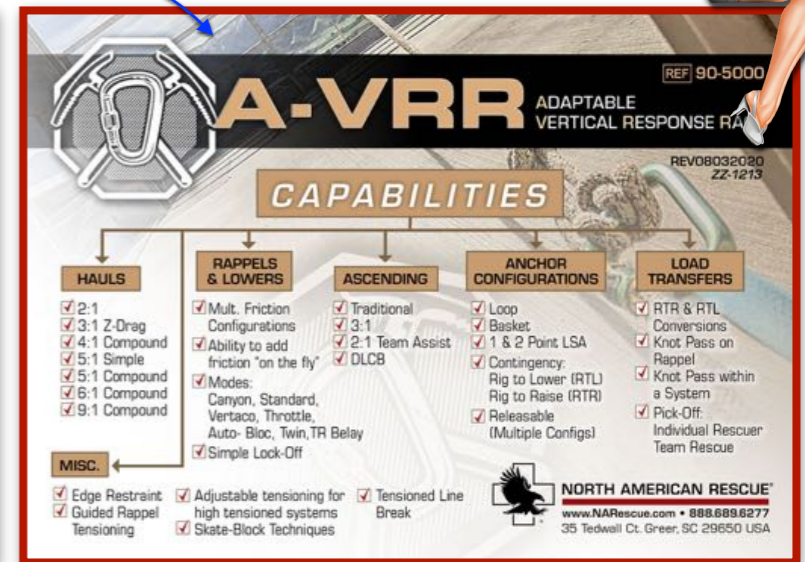
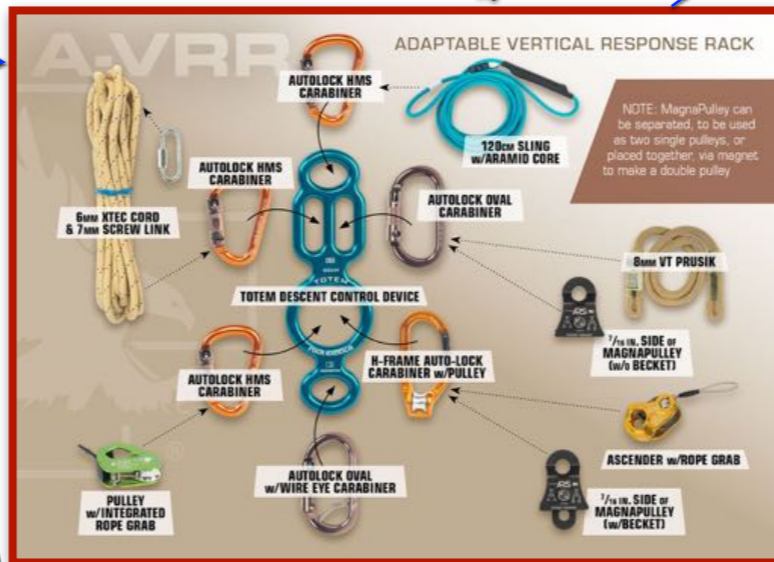
COMPARTMENT #1:

- *Edelrid Irupu Canyon Harness*
- *Edelrid Alpha Fix - 7mm Rapide (Harness Attachment) & 2 x BD Gridlock Screw Gate Carabiners on 30cm & 60cm lanyards (attached to left harness gear loops)*
- *Metolius Patriot Harness - Custom 2 Belay Loops - w/ Petzl Ring (open)*
- *1 x CAMP AXION Light Gloves*
- *1 x Petzl Cordex Lightweight Gloves*
- *1 x G-Form Pro-X Elite Knee Pads*
- *1 x Edelrid Madillo Folding Helmet (Orange)*



COMPARTMENT #2 - SLEEVE:

- *1 x Metolius Nut Tool*
- *1 x AVRR (Totem Rack)*
- *1 x Edelrid Mago DCD*
- *1 x Edelrid HMS Bulletproof (Tri-Lock Gate)*
- *1 x Wild Country Helium Non-locking Carabiner*
- *1 x CAMP 5mm Rapide (Screw Link) 25kN*



A few explanations...

Austere / Dynamic / RT Evac Anchor Kit: Used when moving dynamically through a VUCA-T2 environment - where potential anchors are not a "given" & variety / options are a must. The 40' of Innegra Webbing is used when only retrieving rope - webbing is tied in frost knot / loop configuration & webbing tail is cut with seatbelt cutter.

Edelrid Irupu & Metolius Patriot Harness: Edelrid = canyon or mountain w/ water features... or when expecting marginal anchors requiring soft starts. Metolius = climbing, urban, & mountain w/ out water features.

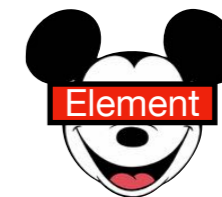
Edelrid Alpha Fix: Used for a bunch - but for basic requirements like edge restraint hook in (60cm), knot pass on rappel w/ VT (30cm), & weighting for breaking a tensioned rappel line(30cm).

Additional Info on Next Page





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COMPARTMENT #3:

- 1 x Misc. Tear Away Pouch w/ Transparent Window
- ▶ 1 x iMAS (Individual Mechanical Advantage System)
- ▶ 1 x Edelrid Elevator Ascender (Left)
- ▶ 1 x BD Talon Hook
- ▶ 1 x BD Cliffhanger Hook
- ▶ 1 x BD Grappling Hook



- ▶ 1 x Edelrid Rope-Tooth Folding Knife
- 1 x 150' 5mm Aramid Sheath Pull-Line w/ Ghosting Toggle (GAT)
- 1 x Pull-Line Throw Carrier / Pouch
- 4 x Omega Rap Rings
- 4 x SMC Rap Rings



COMPARTMENT #4:

- 1 x ER-S (Designed by Element Rescue - Manufactured by Rescue Technology)
- 1 x 24' Cordelette (Sterling 5.9mm PowerCord) w/ SMC Rap Ring pre-rigged for ACR (Alpine Cock Ring) Option



COMPARTMENT #5:

- Kydex Panel Containing:
 - ▶ 1 x BD 30cm Dynex Runner
 - ▶ 1 x BD 60mm Dynex Runner
 - ▶ 2 x BD 120mm Dynex Runner



- ▶ 1 x BD 240mm Dynex Runner
- ▶ 1 x Edelrid 60mm Aramid Cord Sling
- ▶ 1 x Edelrid 120cm Tech Web Sling

COMPARTMENT #6:

- 1 x Misc Pouch (Transparent Window)
- ▶ 1 x BD Headlamp
- ▶ 1 x Benchmade Cutter
- ▶ 2 x Fox 40 Whistle (Orange)
- ▶ 1 x 8mm Bluewater VT



- ▶ 1 x 7mm Bluewater VT
- ▶ 1 x 6mm Rescue Technology VT
- ▶ 1 x Allen wrench Tool
- ▶ 1 x Electronic Water Proof Case
- 2 x ChemLights

COMPARTMENT #7:

- Edge Pro:
 - ▶ Rescue Technology Heavy Canvas
 - ▶ Edelrid Rope Guard (cut in 1/2)
 - ▶ Spiroll Chafe Guard (Marine) - Cut in 1/2



element rescue



More explanations...



Metolius Nut Tool: Although we do occasionally utilize trad cams in urban environments - the reason for this tool in this bag is primarily for removing set knots in webbing or small diameter cords.

AVRR (Totem Rack): We designed this for NAR, and have been using iterations of this for many years. With this kit we can execute the JPR's contained in NFPA 1006 Chapter 5 through Technician Level. It is designed around the principles of Requisite Diversity & P-A-C-E. We did the following training videos which illustrates this [HERE](#) & [HERE](#).

iMAS: Use this for a ton of options - very light, compact, and efficient! With the contents of this kit we can actually get a 3:1, 4:1, 5:1, & 9:1- if we add 2 components from the AVRR - we expand our MA capabilities exponentially to facilitate usage into the heavy rigging & vehicle mobility realms.

BD Aid Hook: Used primarily for hasty emergency egress anchors or 1-person load systems in natural anchor depleted areas.

Rap Rings: Multitude of uses to include, web-locks, pre-rigged munter hitched in bail-out systems, various retrievable anchor systems, etc.

