



RTR TRW-F Equipment List

For this RTR program ONLY: Tree Rescue Workshop-Firefighter (TRW-F)
Revised: July 2022

TRW-F Required Items To Bring:

- NOTE: 1) AZTEK kit should have both a rated personal end (100kg) & system end (200kg). [Questions?](#) Write!
2) 7/16" (11.1mm) rope and smaller canyoneering lines are used exclusively in this workshop.
3) SKU Numbers are from AHS Rescue.com and may not match manufacturers numbers.

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- HAWAIIAN SHIRT for final day group photograph! (*The more flamboyant & bodacious, the better!*)
- 1 AZTEK Kit: (per attendee) *Note: RTR strongly recommends the Technora AZTEK kit due to abrasion and accidental cut resistance + safety. See note #1 above. Prefer the double zipper fanny pack to separate personal side from system side. Below 'Safeguard' is for AZTEK travel restrict and rappels and is strongly recommended.*
AHS Rescue AZTEK Elite Kit (SKU# AELK RTR) Mad Rock 'Safeguard' (contact AHS Rescue SKU# MDGUARD)
- 6 Carabiners (For personal use. Prefer aluminum)
Discussion: Double auto locking type 4 carabiners are also recommended if they are Rock Exotica "RockD" style. Double auto locking can be easily opened with one hand if they are "pull—then twist" to open. Also NOTE, large G rated 40kN aluminum locking carabiners do not fit well into the Petzl I'D or RIG descenders. Use a smaller carabiner for this connection.
1) Rock Exotica rockD Auto-Lock (SKU# C2 A)
- 1 Full Body Rescue/Work Style Harness (adapted for rope access tower & tree rescue)
Discussion: There are so many differing harnesses out there to choose from for tree rescue work but very few really work extremely well for all on rope rescue applications. For this reason, we strongly recommend that you choose a lineman-style tree compatible harness for this workshop which will function in the manner desired for optimal learning and comfort. Your harness should have not only the conventional D rings in the front, but also a sternal D ring attachment point, and two LARGE lineman style side D rings for positioning on the trees. Also, since you will be climbing on rope during the TRW-F, we ask that you bring a harness that can accept the PETZL chest Croll ascender listed below. Harnesses that work well with the Croll is the #390 Yates/Ropes That Rescue "Tower Access," the #387 Yates/Ropeworks (trimmed down version of the 390) or the Petzl Aveo® Bod or Aveo Bod Croll Fast (quick connections). These rope access harnesses are used by structural rope access technicians around the world. Other harnesses may get by for the TRW-F, but we know that you will spend a lot of time rigging up something less than desirable. Hands down, the Yates harnesses are the most comfortable, especially for larger users. Chest ascenders are listed separately lower in this list.
1) Professional Tower/Rope Access Harness (SKU# 390) Note: The 390 harness is designed by Reed Thorne of RTR. 2) Basic Rope Access (SKU# 387) Petzl - 3) AVAO BOD (SKU# C071CA0)
- 1 Tree/Tower adjustable positioning lanyard
Discussion: Students will be leaning back onto these adjustable positioning lanyards (flip line) for tree rescue similar to linemen on poles or towers, so this is an essential for hands free working up in the air for these programs. The ropes in these lanyards should be ideally Technora fiber sheath for durability and cut resistance. NOTE: If you are bringing a nylon lanyard it should have a sheath protector on it. The Yates RAD has a Technora sheath with a bright orange inner sheath wear indicator and needs no sheath protector. Some students elect to bring two of these for double belting when passing limb obstructions on a tree. IMPORTANT: MAKE SURE YOUR FLIP LINE is minimum 4 meters (13') long
Petzl Grillon Hook (SKU# L052CA00)
- 1 Petzl Gated Ring Open (second point added to harness below umbilical D ring)
Petzl Ring Open (SKU# P28)
Discussion: Do not forget the allen wrench that comes with the Petzl Ring Open! You may substitute the Mallion Rapide Half-Moon Screw Link 10mm steel but it is much heavier. (SKU# HD26061)
- 1 Mallion Rapide short oval Screw Link (steel 7mm): (SKU# N-070-GS)
- 1 Mallion Rapide long oval Screw Link (steel 7mm): (SKU# G-070-GS)
- 1 Mallion Rapide triangular Screw Link (steel 7mm): (SKU# D-070-GS)
Discussion: All the above links are for fitting your harness with needed ascension hardware. These links are cheap and make for a good fit with little play in the rigging on your harness. The Petzl gated ring above or Mallion Half Moon is needed because many harnesses do not come equipped with the needed second attachment point. Therefore it must be added. Some harnesses will not accept this ring so make sure yours will accommodate the adding of this second ring. Most Yates harnesses will have no issue.

- 1 Rock Exotica small personal use swivel pulley: Omni-Block 1.1" (SKU# P54)
- 1 Chest Ascender: 1) Petzl Croll B016AA00 - Large *Prefer large if using larger ropes.*
2) PMI CT Chest Ascender EVO - 8-13mm (SKU# HD26253)
- 1 only Petzl Ascension Handled Ascender or equivalent (right or left hand): OPTIONAL: Bring a second opposite one.
1) Right (SKU# B17ARA) 2) Left (SKU# B17ALA)
- 1 Petzl Auto locking friction brake: *Discussion: The Petzl I'D-S "small" is good and the Petzl RIG is the smaller version but does not have the "panic" nor load-wrong feature that the heavier I'D does.*
1) Auto Stop: Petzl I'D small (SKU# D020AA00), 2) Auto Stop: Petzl RIG (SKU# D021AA00)
- 1 Petzl ASAP Mobile Fall Arrester (Must have shock Petzl Axess absorber below)
Discussion: The Petzl ASAP comes in two versions. 1) ASAP LOCK 2) and the standard ASAP. The LOCK version is preferred as it cannot be accidentally dropped from the tree.
Petzl ASAP LOCK (SKU# B071BA00)
- 1 Petzl ASAP Sorber Axess for the ASAP LOCK or standard ASAP
Discussion: The Petzl LOCK used with this Axess shock absorber will be good for two person loads during rescue. (200kg)
ASAP Sorber Axess (SKU# L071CB00)
- 2 Petzl Connect Adjust - *Contact AHS Rescue for SKU.*
- 4 Bluewater Technora 8mm VT prusiks, 8mm 33" long. (*Used for personal tree limb anchoring*) (SKU# 756860)
- 1 CMC set (pair) of 8mm AZ Bound Loop Prusiks (long and short): Long (SKU# 293386) Short (SKU# 293383)
- 1 set of 6mm Purcell Prusiks (long leg, short leg and chest) Sterling Pre-Sewn Purcell Set (SKU# SC060NYSET)
- 1 Sterling Rope 7mm pre sewn Head End Litter Spider Bridle
Discussion: This is your foot stirrup used with the handled ascenders. You may substitute any good adjustable foot etrier of your choice. Contact AHS Rescue for SKU.
- 1 (or 2) short sections of 1" tube webbing 6" long if making your own etrier foot stirrups for above foot stirrup.
Sterling 1" Tubular Webbing/Ft - 1) Red (SKU# WB254TT08091FT) 2) Black (SKU# WB254TT04091FT)
- Purcell carry bag (*use a soft 1-quart water bottle holder stuff bag as substitute*): *Tie to your harness.*
Liberty Mountain Bottle Carrier (SKU# 146492)
- 1 Klein Tools Cat. No. 5142 personal canvas harness bag (for your harness)
Discussion: This handy item is a small harness bag for carrying ascending system, gloves, etc. (SKU# KLE5142P)
- Hiking or work boots (broken in): *Discussion: you will be using these to climb with tree gaffs. Stiff with sole support is best.*
1) Vasque Breeze LT GTX (SKU# 07376M) 2) Oboz Sawtooth II Mid Waterproof (SKU# M-23701/W-23702)
- First aid kit and personal hygiene items (TP, sun block, lip balm, etc.)
Adventure First Aid Kit - 1-2 person 1.0 (SKU# 0120-0210)
- 1 pair safety glasses: Safety Glasses - Clear ANSI (SKU# 98366)
- Work/rappel gloves: PMI Rope Tech Gloves (SKU# GL22)
- Inclement weather gear (cold, rain, sunny, hot, etc. Be ready for all weather-related insult)
- Head Light - Bring extra batteries/bulb
1) Black Diamond Storm375 (SKU# BD620640) 2) PrincetonTec APEX (SKU# APX20)
- Climbing style helmet with chin strap: *Get a sun brim too.* CMC Sunbrero 1) Black (SKU# 492155) 2) Gray (SKU# 49215)
3M 1) 3M SecureFit Vented Safety Helmet - White (SKU# X5001VX-ANSI)
Petzl 2) VERTEX - White (SKU# A010AA0) 3) STRATO - various colors (SKU# A020CA)
- Whistle (with tether on your helmet):
Fox 40 Classic (SKU# 9902)
- Water hydrations system/Extra water bottles:
CamelBak 100oz MIL SPEC CRUX Pack 1) HAWG - Black (SKU# 1733001000) Coyote (SKU#1734201000) 2) MULE - Coyote (SKU# 1741001000) Coyote (SKU# 1742201000)
- Soft frame pack or ruck sack (lunch and personal items plus team items to be carried)
CMC 1) Palisade 2.0 Pack (SKU# 440638) 2) Whitney 2.0 Pack (SKU# 440648)
- Note paper— NOTE: multicolored pens or pencils are advised.
- Small note pad for field notes:
Rite In The Rain NotePad 1) 3"x 5" (SKU# 360044) 2) 4"x 6" NotePad (SKU# 360046)
- Folding knife you can clip to your harness with a tether:
Petzl SPATHA (SKU# S92AN)
- Sun hat/brim which works with your helmet:
CMC Sunbrero 1) Black (SKU# 492155) 2) Gray (SKU# 49215)
- Small pack cover to keep rain/snow off your personal stuff
A large plastic trash bag?