

## **Exhibit 5 - Wildland Firefighter's Equipment**

### **Example Boots**

#### **Pro Warrington: 3003 8" Wildland/Station Boot, NFPA 1977**

Military AB water resistant leather for outstanding durability, breathability and comfort.  
Oblique shaped steel toe for added protection and comfort.  
Stitched-down sole.  
Abrasion and bacteria resistant Cambrelle lining.  
Foam filled comfort collar that will not chafe.  
Dual function closure system for enhanced ankle support and fit plus zipper for rapid donning and doffing.  
Thermoplastic backpart molded heel counter ensures superior comfort, fit and durability. Will not lose shape if exposed to moisture.  
Full wraparound Goodyear welt. Adds support, reduces fatigue and ankle sprains/strains. Welted construction retains its shape over the life of the boot so you keep that great fit.  
Triple linear ridge shank for increased arch support and puncture resistant steel bottom plate.  
Vibram Technical Lug non-marking outsole, combined with special fire retardant NFPA compound, for improved traction and durability.  
NFPA Certified 1977 Wildland.

#### **Haix: Airpower XR1 Dual-Certified Wildland, EMS, Station Boot, NFPA**

Certified for Wildland Firefighting and EMS.  
Secura Liner® - will never wrinkle up or pull out over time.  
HAIX® Sun Reflect leather keeps feet cooler in direct sunlight.  
HAIX® Arch Support System supports your foot in its natural, ideal position.  
Insole is anatomically formed, quick change, machine washable insert with excellent moisture absorption and quick drying qualities.  
Anatomically formed fleece absorbs moisture and supports ankle.  
Anatomically formed and softly padded tongue, integrated heel bend, raised tip.  
Carbon protective toe cap and exterior rubber toe cap.  
Puncture protection sole.  
Crosstech moisture barrier is 4 layers with inner Cambrelle lining, abrasion resistant, softly padded with breathable foam. It is waterproof, breathable, bacteria, chemical, and bloodborne pathogen resistant.  
Heat resistant rubber sole.  
Slip resistant rubber sole.  
Black.  
Waterproof Leather.  
Height: 9".  
Flexible protective and metal-free, cast into the midsole, to meet ASTM F2413-11 and CAN/CSA Z195-2009 standard for personal protection – protective footwear.  
NFPA 1977-2011, NFPA 1999-2013, ASTM F 2413-2011, CAN/CSA Z195-2009.

#### **8" Station/EMS Boot, Men's, NFPA**

Upper material is soft, supple waterproof leather; hydrophobic, breathable, 1.8 – 2.0 mm thick.  
Every step produces a pumping movement that literally blows moisture outside through air-permeable materials and larger air holes in the upper leg.  
Provides excellent arch support which, when combined with the heel construction, holds and stabilizes your foot while allowing more freedom of movement in the forefoot area.

Heel bend improves ankle flexibility and increases freedom of movement while retaining ankle stability. Reduces pressure on the Achilles tendon while kneeling and/or driving.

Moisture barrier is waterproof, breathable, bacteria and chemical resistant, bloodborne pathogen resistant. Inner lining is 4 layers, with inner Cambrelle® lining especially abrasion resistant, softly padded with breathable foam.

Footbed is anatomically formed, quick change, machine washable insert with excellent moisture absorption and quick drying qualities.

Insole is anatomically formed fleece absorbs moisture and supports ankle.

Foam is injected into the midsole to optimize shock absorption and insulate against temperature extremes.

Anatomically formed protective toe cap meets ASTM F 2413-05, CAN/CSA Z 195-2002 standard for protective footwear.

Protective flexible midsole is stainless and case into the sole. Meets ASTM F 2413-05, CAN/CSA Z 195-2002 standard for personal protection - protective footwear.

Slip resistant rubber sole with polyurethane damping wedge, self cleaning tread, non-marking, oil and fuel resistant, with antistatic characteristics.

Puncture protection sole.

Zipper is securely mounted in the boot to allow for very quick entry and exit with optimum comfort while limiting lace exposure to snags.

Novel terrain and street tread with 3 tread levels for longer service life. Superior wear resistance, excellent anti-slip properties even in the cold, resistant to oil and fuel, non-marking.

Anatomically formed and softly padded tongue, integrated heel bend, raised tip.

Meets NFPA 1999-2013 edition, ASTM F 2413-05, CAN/CSA Z 195-2002.

### **Thorogoods 10" Wildland Hellfire Fire Boot**

**Upper:** 6-7 oz. Black Oil Tanned Logger Leather. FLAME and Cut-Resisting Leather.

**Construction:** Goodyear Storm Welt.

**Lining:** Dri-Lex® Tongue, Comfort Weave Vamp.

**Insole:** Removable Felt Footbed.

**Midsole:** Rubber and Leather.

**Shank:** Composite.

**Outsole:** Thorogoods Vibram® FIRE Sole.

**Special Features:** Kevlar® Thread and Lace. Tip stitching for extra secure sole attachment. Meets the requirements of NFPA 1977 Protective Clothing and Equipment for Wildland Fire Fighting, Current Edition. UL Certified. Made in USA by ISO 9001 Certified Shoe Company.

### **Thorogoods 9" Hellfire Wildland Boot**

**Upper:** Black Panther Oiled Leather, FLAME, and Cut-Resisting Leather.

**Construction:** Goodyear Storm Welt.

**Lining:** Dri-lex® Tongue, Comfort Weave Vamp.

**Insole:** Removable Felt Footbed.

**Midsole:** Rubber and Leather.

**Shank:** Composite.

**Outsole:** Thorogoods Vibram® FIRE Sole.

**Special Features:** Kevlar® Thread. Meets the Requirements of NFPA 1977 Protective Clothing and Equipment for Wildland Fire Fighting, Current Edition. UL Certified. Made in USA by ISO 9001 Certified Shoe Company.

### **Thorogoods 10" Wildland Boot with Zipper**

**Upper:** Black Panther Oiled Leather. FLAME and Cut-Resisting Leather with Scuff-Resisting "Shark-Skin" Leather Toe and Heel Counter.

**Construction:** Goodyear Storm Welt.

**Lining:** Dri-Lex® Tongue, Comfort Weave Vamp.

**Insole:** Removable Felt Footbed.

**Midsole:** Rubber and Leather.

**Shank:** Steel Triple Ladder Shank.

**Outsole:** Thorogoods Exclusive Vibram® FIRE Sole.

**Special Features:** Meets the Requirements of NFPA 1977 Protective Clothing and Equipment for Wildland Fire Fighting, Current Edition. UL Certified. Lace-in YKK Duty Zipper. Made in USA by ISO 9001 Certified Shoe Company.

### **10" I-Met Structural/TRI/Wildland Boot**

**Upper:** Black Boulder WATERPROOF, FLAME, and Cut Resisting Leather With Scuff-Resisting Vibram® Rubber Toe Bumper.

**Construction:** Goodyear Storm Welt.

**Lining:** Comfort Weave / Sympatex® WATERPROOF Barrier, Blood Borne Pathogen Compliant.

**Insole:** Polyurethane Removable Footbed on Flexible Double Rubber.

**Midsole:** Rubber.

**Shank:** Steel Triple Ladder Shank.

**Outsole:** Exclusive Vibram® FIRE Sole with chiseled edge lugs.

**Special Features:** I-Met Metatarsal Protection. L-Protection™ Puncture-Resisting Insole Material. This utility and rescue and recovery protective ensemble footwear element meets the requirements of NFPA 1951, Standard on Protective Ensembles for Technical Rescue Incidents, 2007 Edition. This wildland fire fighting protective footwear meets the requirements of NFPA 1977, Standard on Protective Clothing and Equipment for Wildland Fire Fighting, 2005 Edition. ASTM F 2413-05 M/I/75/C/75 Steel Toe. Electrical Hazard Tested For and Meets CAN/CSA-Z195 Electrical Shock Resistance Standard. Made in USA by ISO 9001 Certified Shoe Company.

### **Hercules V2 9" Leather Wildland Boot**

Full-grain, water, flame, chemical, and cut resistant leather upper protects your foot.

Accordion-style flex point in the Achilles area allows the boot to flex where you do.

Fire-resistant Kevlar® thread throughout the upper ensures durability under fire.

Dual-Zone Contact™ Lacing System: Anatomically asymmetrical, with free floating lace points that allow the upper to conform precisely to the shape of each individual's foot.

Bi-zonal Lacing: The first speed hook is a lace lock, allowing you to tighten the boot in the forefoot area, lock the lace, then tighten the upper part of the boot for a custom fit.

Anti-microbial removable footbed with molded EVA heelcup and arch conforms to your foot providing comfort and support.

Molded heel counter cups heel and provides support.

Tapered microfiber heel slide for ease of donning and doffing. Stitching is offset to prevent premature wear and blisters.

Open cell polyurethane foam padding is strategically placed throughout the upper for superior comfort and support.

Welted construction allows for resoling, extending the life of your boots.

### **THOROGOOD FIRE > EMS > 8" POWER EMS/WILDLAND BOOT**

Safety Toe.

Blood Borne Pathogen.  
Electrical Hazard.  
Electric Shock Resistance.  
Puncture Resisting.  
Slip Resisting.  
Wildland Fire Fighting.  
Waterproof.  
Upper: Black Prime WATERPROOF, FLAME, and Cut-Resisting Leather, 3M Scotchlite Reflective Material.  
Construction: Goodyear Storm Welt.  
Lining: Cambrelle® / Sympatex® WATERPROOF Barrier. Blood Borne Pathogen Compliant.  
Insole: Dual Density Polyurethane Removable Footbed .  
Midsole: Rubber.  
Shank: Steel Triple Ladder Shank.  
Outsole: Vibram® FIRE and ICE Slip Resisting Sole.  
Special Features: Flexible L-Protection® Puncture-Resisting Insole Material. Two Row Padded Leather Top. Shaft Vapor Exhaust Vents. This footwear meets the requirements of NFPA 1999, Standard on Protective clothing for Emergency Medical Operations, 2008 Edition. This wildland fire fighting protective footwear meets the requirements of NFPA 1977, Standard on Protective Clothing and Equipment for Wildland Fire Fighting, 2005 Edition. ASTM F 2413/05 M/I/75/C/75 COMPOSITE SAFETY TOE. Electrical Hazard. Tested For and Meets CAN/CSA/Z195 18,000 Volts Electric Shock Resistance Standard. 3M Scotchlite Reflective Material - High Visibility Piping.

### **Example Gloves**

#### **Pro-Tech 8: Fusion Structural / Wildland Firefighting and Extrication Glove, NFPA**

Lightweight glove breaks in extremely fast and remains soft and flexible after use and washing. Fire-retardant, breathable, mesh knit polymer liner provides blood borne pathogen/liquid resistance and reduces friction during donning and doffing. Outer palm layer's distinctive stitching prevents the material from bunching up and promotes the most efficient grip of any NFPA compliant structural glove. Ring and middle fingers' palm sides are cut and sewn independently for enhanced dexterity. Unique flexible 7-layer knuckle guard system provides repetitive thermal protection and cut/puncture resistance at the vulnerable knuckle compression point. Gathered stitching around the entire wrist provides a secure fit and prevents debris from entering the glove. Independently certified to NFPA 1971-2013 Edition by the Safety Equipment Institute, Virginia.

#### **Materials and Layering**

**Outermost Palm Side Layer:** Highly flexible and durable water repellent goat skin suede.

**Second Palm Side Layer:** Cut and heat resistant knitted Kevlar/Nomex.

**Palm Side Inner Liner:** 100% modacrylic mesh knit.

**Palm Side Fingers:** Knitted 100% modacrylic.

**Outermost Back Side Layer:** Layer of suede leather and layer of cut and heat resistant 100% Kevlar® knit that runs the length of the glove from finger tips to cuff edge.

**Back Side Inner Liner:** Mesh knit modacrylic.

**Back Side Fingers:** Knitted modacrylic.

**Finger Sidewalls:** Outer layer of Kevlar/Nomex and two additional layers of 100% modacrylic knit.

**Knuckle Guard:** Outer layer of 100% Kevlar®, two layers of silicon carbide both fused to 100% Kevlar®, another layer of 100% Kevlar®, and another layer of modacrylic knit.

**Glove Interior:** Two layers of highly breathable, completely sealed, polyurethane membrane to prevent liquid penetration and protect against blood borne pathogens.

**Moisture Barrier:** NFPA 1971 compliant Porelle FR 540.

100% Kevlar® high burst thread is used throughout the gloves.

Reflective tape is used on the glove's back side near the wrist area.

### **Shelby Pigskin Wildland/Rescue Glove**

3oz. Shelby® Popcorn and black Color Pigskin, Wildland/Rescue with wristlet. CE Compliant. Meets NFPA 1977 Standard on Protective Clothing and Equipment for Wildland Fire Fighting, 2005 Edition.

#### Shelby 5002 & 5002F Specifications

Outer Shell: Heavy 3 to 3.5 oz., popcorn or black color abrasion resistant, multidirectional fiber structure, brushed pigskin. Tanned hide does not contain PCP (pentachlorophenol), its salts or esters.

5002F no wristlet and all popcorn color.

Pattern: Gunn cut, keystone double layer thumb crotch protection. 6mm wide, double row stitching around inset thumb.

Storage Attachment: Leather, 6mm x 51mm cut length, double stitched 38 mm apart.

Binding: Black 29mm Cotton (only model 5002F).

Wrist Shirring: 10mm Natural Elastic.

Thread: Lock-Stitch sewn with Kevlar thread, 8-10 stitches per 25mm. Spun Kevlar thread, tex 70,27.5 to 30.0/4 count, minimum break 12.0#.

Made in U.S.A.

#### Design & Construction

Anatomically designed gunn cut, keystone glove & thumb pattern. The glove body shall extend 1" above the wrist crease & shall have shirred elastic snugger. Glove shall have bound hem & be machine washable.

### **Example Pants**

#### **FeldFire CrewBoss Nomex Brush Pant**

Designed to equip Wildland firefighters with the best in personal protective clothing, CrewBoss Brush pants offer an extensive list of features that provide unequalled strength and support. With the sewn in support of 10 bartacks along stress points, the extensive use of double needle seams and the crotch reinforcement panel, the Wildland Brush pant is ready to stand up to the toughest job. The roomier cut and elastic back band help to bring additional comfort to the firefighter while the unidirectional bellow thigh pockets with hook and loop closures bring additional functionality to any operation. With all these features and a proven history of reliability, it's no wonder that the CrewBoss Wildland Brush pant is a favorite on the fire line.

#### Features:

Elastic back band for ultimate freedom and comfort.

Seven oversized belt loops to accept 2 web belts.

Two generous rear pockets.

Oversized, extra-deep front slash pockets.

Extra roomy leg and seat cut.

Original crotch reinforcement panel.

Unidirectional bellow thigh pockets with full flap closures.

Hook and loop ankle straps covered with Nomex® fabric for heat resistance.

Brass, self-locking zippered fly with snap closure.  
Nomex thread throughout.  
Stress points bartacked at 10 locations for maximum durability.  
ISO 9001 registered and certified by Underwriters Laboratories Inc.®  
Available in sizes Small through 3XL.

### **Coaxsher CX Wildland Brush Pant**

**Comfortable:** Seamless crotch design minimizes chafing.  
**Fit & Mobility:** Articulated areas along with an aggressive cut provide excellent fit and mobility.  
**Durable:** Double reinforced in high-stress areas to take the abuse.

#### Features

Minimize chafing with our new underside pattern design.  
Articulated areas provide excellent comfort and fit.  
Aggressively cut for maximum mobility.  
Double reinforced in high-stress areas to take the abuse.  
Super tough black oxidized YKK fly zipper assures a long life.  
Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.  
100% Guarantee.  
Designed and built to NFPA 1977-2011 specifications.

#### Technical Specs

Material: NOMEX® IIIA, 6.8oz.  
NOMEX® CRAQ-SPUN® Thread.  
YKK® Zipper Pulls & Tape.  
Melamine Buttons.  
Mil-Spec Velcro.  
Single Needle Tailoring.  
Total Weight (Size: L): 23 oz. / 1.44 lbs. / 0.65 kg.

### **Coaxsher CX Wildland Vent Brush Pant**

**Breathable:** XVent design provides air flow keeping your lower body cool.  
**Comfortable:** Seamless crotch design minimizes chafing.  
**Fit & Mobility:** Articulated areas along with an aggressive cut provide excellent fit and mobility.  
**Durable:** Double reinforced in high-stress areas to take the abuse.

#### Features

Patent Pending XVent Technology makes these pants the coolest period.  
Minimize chafing with our new underside pattern design.  
Articulated areas provide excellent comfort and fit.  
Aggressively cut for maximum mobility.  
Double reinforced in high-stress areas to take the abuse.  
Super tough black oxidized YKK fly zipper assures a long life.  
Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.  
100% Guarantee.  
Designed and built to NFPA 1977-2011 specifications.

## Technical Specs

Material: NOMEX® IIIA, 6.8oz.

NOMEX® CRAQ-SPUN® Thread.

YKK® NOMEX® Zipper Pulls & Tape.

Melamine Buttons.

Mil-Spec Velcro.

Single Needle Tailoring.

Total Weight (Size: L): 26 oz. / 1.63 lbs. / 0.74 kg.

## **CX Urban Interface Vent Pant**

**Breathable:** “Xvent” design provides air flow keeping your internal core temperature cooled.

**Comfortable:** Seamless crotch design minimizes chafing.

**Fit & Mobility:** Articulated areas along with an aggressive cut provide excellent fit and mobility.

**Durable:** Double reinforced in high-stress areas to take the abuse.

## Features

Patent Pending “XVent” Technology makes these pants the “coolest” period.

Minimize chafing with our new underside pattern design.

Articulated areas provide excellent comfort and fit.

Aggressively cut for maximum mobility.

Bar Tacked and Stitched with high-quality Nomex® Thread.

Double reinforced in high-stress areas to take the abuse.

Super tough black oxidized YKK fly zipper assures a long life.

Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.

Excellent Moisture Management.

100% Guarantee.

UL® Certified to NFPA 1977-2011 Specifications.

## Technical Specifications

Material: TECASAFE™ PLUS 7oz. by Tencate.

NOMEX® CRAQ-SPUN® Thread.

YKK® NOMEX® Zipper Pulls & Tape.

3M® Reflective Trim.

Melamine Buttons.

Mil-Spec Velcro.

Single Needle Tailoring.

Total Weight (Size: L): 26 oz. / 1.63 lbs. / 0.74 kg.

UL® Certified to NFPA 1977-2011 Specifications.

## **Vector Wildland Fire Pant**

### Features

Minimize chafing with our new underside pattern design.

Aggressively cut for maximum mobility.

Double reinforced in high-stress areas to take the abuse.

Super tough black oxidized YKK fly zipper assures a long life.  
Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.  
100% Guarantee.

Technical Specifications

Material: Tecasafe® Plus 700.  
NOMEX® CRAQ-SPUN® Thread.  
YKK® Zipper Pulls & Tape.  
Melamine Buttons.  
Mil-Spec Velcro.  
Single Needle Tailoring.  
Total Weight (Size: L): 21 oz. / 1.31 lbs. / 0.60 kg.  
UL® Certified to NFPA 1977-2011 Specifications.

**CX Wildland Vent Pant, Tecasafe**

**Breathable:** “XVent” design provides air flow keeping your body cool.  
**Comfortable:** Seamless crotch design minimizes chafing.  
**Fit & Mobility:** Articulated areas along with an aggressive cut provide excellent fit and mobility.  
**Durable:** Double reinforced in high-stress areas to take the abuse.

Features

Patent Pending “XVent” Technology makes these pants the “coolest” period.  
Minimize chafing with our new underside pattern design.  
Articulated areas provide excellent comfort and fit.  
Aggressively cut for maximum mobility.  
Double reinforced in high-stress areas to take the abuse.  
Super tough black oxidized YKK fly zipper assures a long life.  
Double closure system with Mil-Spec Velcro and melamine button makes a solid closure system which gives redundancy and reliability in the field.  
100% Guarantee.  
UL® Certified to NFPA 1977-2011 Specifications.

Technical Specifications

Material: 7oz. Tecasafe Plus.  
NOMEX® CRAQ-SPUN® Thread.  
YKK® NOMEX® Zipper Pulls & Tape.  
Melamine Buttons.  
Mil-Spec Velcro.  
Single Needle Tailoring.  
Total Weight (Size: L): 26 oz. / 1.63 lbs. / 0.74 kg.  
UL® Certified to NFPA 1977-2011 Specifications.

**Crew Boss: Interface Brush Pants, NFPA**

Features

Full cut Interface design, available in Advance®, Nomex® IIIA, and FR Cotton fabrics.  
Fully covered zipper front closure with #10 brass zipper mounted on Nomex tape.  
Caped shoulder design with built-in ease for full freedom of movement.  
Gusseted cuff with hook and loop closure for adjustment.  
Alpine-style collar.

Radio pocket with microphone tab.  
Uni Large interior storage pocket and glove hanger tab.  
Hi-viz/Reflective 3M triple trim wraps fully around hem, around chest/back, and around arms.  
Nomex® thread throughout.  
Optional soft FR cotton button-in liner for added warmth when you need it. Choose red or blue.  
ISO 9001 registered and certified by Underwriters Laboratories Inc.  
UL certified to NFPA 1977, 2005 Edition (Certification to 2011 Edition pending at this writing).  
ISO 9001 registered facility.  
Available in sizes Small through 3XL.  
Made in USA  
Directional front cargo pockets with concealed hand warmers.  
UL Certified to meet NFPA 1977, 2005 Standard on Protective Clothing and Equipment for Wildland Fire Fighting.

## **Example Shirts**

### **Vector Wildland Fire Shirt**

#### **Features**

Excellent Moisture Management.  
Soft and Lightweight Fabric Provides Unmatched Comfort.  
FR Properties Won't Wash or Wear Out.  
Ideal Pocket Layout & Design.  
Two Chest Pockets.  
UL® Certified to NFPA 1977-2011 Specifications.  
Lifetime Warranty.

#### **Technical Specifications**

Material: Tencate Tecasafe® Plus 580.  
NOMEX® CRAQ-SPUN® Thread.  
Melamine Buttons.  
Mil-Spec Velcro.  
Single Needle Tailoring.  
Total Weight (Size: XL): 16 oz. / 1.0 lb. / 0.45 kg.  
UL® Certified to NFPA 1977-2011 Specifications.

### **Coaxsher CX Wildland Brush Shirt**

**Superior Breathability:** Our patent pending Xvent system provides vent openings allowing body heat to escape while letting cooler air in creating body torso airflow.

**Unrivaled Maneuverability:** To provide the user with extra mobility, we have carefully designed the back shoulder gusset area so it doesn't restrict movement.

**Ideal Pocket Layout:** Larger sized pockets for storage, easy access and closure via Mil-Spec Velcro, specially designed for writing tool, and handy arm pocket to store personal items like gum, lip balm, cell phone, etc.

**Unmatched Comfort:** Specially-designed shoulder pockets create space for fire-retardant padding to be inserted for greater shoulder comfort.

#### **Features**

Patent Pending Xvent system Allows Body Heat to Escape.  
Excellent Moisture Management.

Soft and Lightweight Fabric Provides Unmatched Comfort.  
Back Shoulder Gusset Allows for Excellent Maneuverability.  
FR Properties Won't Wash or Wear Out.  
Ideal Pocket Layout & Design.  
Top Shoulder Pockets Fits Fire-Retardant Padding for Shoulder Protection.  
Two Chest Pockets.  
Two Arm Pockets.  
Lifetime Warranty.

### **Stryker Wildland Fire Shirt**

The Stryker is the perfect lightweight wildland fire shirt for battling wildfires. 5.8oz Tecasafe Plus material wicks sweat away from your body and dries quickly. ¾ YKK Nomex front zip allows for breathability and easy on/off capabilities. A chest pocket gives you a handy place to store fireline notepads and a mic-clip strap provides easy access to your mic. Top button neck closure along with Mil-Spec Velcro wrist straps allow you to batten down the hatches when needed.

#### Features

¾ Front Zipper for breathability and easy on/off capabilities.  
Excellent Moisture Management.  
Soft and Lightweight Fabric Provides Unmatched Comfort.  
FR Properties Won't Wash or Wear Out.  
Chest Pocket to Store Fireline Notepads.  
Mic-Clip Strap for Easy Access to Mic.  
Top Front Neck Button Closure.  
Mil-Spec Velcro Wrist Straps.  
UL® Certified to NFPA 1977-2011 Specifications.  
Lifetime Warranty.  
Material: TECASAFE™ PLUS 5.8oz.  
NOMEX® CRAQ-SPUN® Thread.  
YKK® Nomex® Zipper.  
Melamine Button.  
Mil-Spec Velcro.  
Total Weight (Size: XL): 23 oz. / 1.44 lbs. / 0.65 kg.  
UL® Certified to NFPA 1977-2011 Specifications.

### **Beta Wildland Fire Shirt**

This fire shirt is made mostly of 5.8oz Tecasafe Plus which is lightweight and breathable, and it also includes 7oz Tecasafe Plus in the areas where extra toughness is necessary. The Beta is easy to put on and remove thanks to its ¾ YKK Nomex front zip which also allows for breath-ability. Each bicep is featured with airflow vents and slanted Velcro pockets. This shirt also has a top button neck closure and Velcro wrist straps.

#### Features

Airflow Vents in Each Bicep Area.  
¾ Front Zipper for breathability and easy on/off capabilities.  
Two slanted bicep pockets with segmented Velcro.  
5.8oz Lightweight Fabric Provides Unmatched Comfort.  
Excellent Moisture Management.  
7.0oz Material for Toughness.

FR Properties Won't Wash or Wear Out.  
Top Button Neck Closure.  
Mil-Spec Velcro Wrist Straps.  
UL® Certified to NFPA 1977-2011 Specifications.  
Lifetime Warranty.  
Material: TECASAFE™ PLUS 5.8 oz. and 7.0 oz.  
NOMEX® CRAQ-SPUN® Thread.  
YKK® Nomex® Zipper.  
Melamine Button.  
Mil-Spec Velcro.  
Total Weight (Size: XL): 23 oz. / 1.44 lbs. / 0.65 kg.  
UL® Certified to NFPA 1977-2011 Specifications.

### **BetaX Wildland Fire Shirt**

Xvent is king in the BetaX Wildland Fire Shirt. Airflow vents in each bicep area of the arms and two lower chest region vents allow for maximum torso airflow. Airflow cools the core, that's a good thing. Made mostly of 5.8oz. Tecasafe Plus (Lightweight and Breathable) with 7oz. Tecasafe Plus in the areas you want extra toughness. Top button neck closure along with Mil-Spec Velcro wrist straps allow you to batten down the hatches when needed. ¾ YKK Nomex front zip allows for breathability and easy on/off capabilities. Two slanted bicep pockets with segmented Velcro keeps contents secure while allowing easy access even with gloves.

#### Features

Airflow Vents in Each Bicep Area and Chest Area.  
¾ Front Zipper for breathability and easy on/off capabilities.  
Two slanted bicep pockets with segmented Velcro.  
5.8oz Lightweight Fabric Provides Unmatched Comfort.  
Excellent Moisture Management.  
7.0oz Material for Toughness.  
FR Properties Won't Wash or Wear Out.  
Top Button Neck Closure.  
Mil-Spec Velcro Wrist Straps.  
UL® Certified to NFPA 1977-2011 Specifications.  
Lifetime Warranty.  
Material: TECASAFE™ PLUS 5.8oz. and 7.0oz.  
NOMEX® CRAQ-SPUN® Thread.  
YKK® Nomex® Zipper.  
Melamine Button.  
Mil-Spec Velcro.  
Total Weight (Size: XL): 23 oz. / 1.44 lbs. / 0.65 kg.

#### Example Jumpsuits

### **Fireline Wildland Jumpsuit, 9 oz Indura Cotton or 6 oz Nomex IIIA**

UL® classified to meet or exceed NFPA\* protective clothing requirements for Wildland Fire Fighting and CAL-OSHA\*\* requirements for protective clothing. Features include a 4" Alpine style collar with front zipper extended closure, encased with an internal and external flap. Zippers are Zytel FR50 Delrin zippers mounted on Nomex zipper tape. Articulated, radial designed sleeves eliminate shoulder seams and contour to fit the natural bend of the elbow. Self-material waistband has elastic at center back and

take-up straps on each side with an adjustable ladder buckle to allow a 4" waist adjustment for a comfortable fit. Contoured deep front pockets' special pass-through design allows access to trousers. The breast (radio), rear, and mid-thigh pockets offer extra storage and have hook/loop closures. Contoured knees allow for full range of movement. Gusseted leg has multiple cuff closure system comprised of 14" leg zippers mounted on Nomex tape, elastic and hook/loop adjustable tabs. \*NFPA 1977 standard on Protective Clothing and Equipment for Wildland Fire Fighting (Current Edition). \*\*CAL-OSHA Title 8 GISO Sections 3406(c)(1) and/or 3410(d)(1).

### **Example Coats/Jackets**

#### **Coaxsher: CX Urban Interface Coat**

**Comfortable:** Soft and Lightweight FR Fabric Provides Unmatched Comfort along with Excellent Moisture Management.

**Durable:** Bar Tacked and Stitched with high-quality Nomex® Thread.

**Fit & Mobility:** Back Shoulder Gussets along with an Aggressive Cut Provide Excellent Fit and Mobility.

**Safety & Protection:** FR Properties Won't Wash or Wear Out.

#### **Features**

Excellent Moisture Management.

Soft and Lightweight Fabric Provides Unmatched Comfort.

Back Shoulder Gusset Allows for Excellent Maneuverability.

FR Properties Won't Wash or Wear Out.

Bar Tacked and Stitched with high-quality Nomex® Thread.

Ideal Pocket Layout & Design.

Chest Pocket.

Radio Pocket.

Arm Pocket.

UL® Certified to NFPA 1977-2011 Specifications.

Lifetime Warranty.

#### **Technical Specifications**

Material: TECASAFE™ PLUS 7oz. by Tencate.

NOMEX® CRAQ-SPUN® Thread.

YKK® Zipper Pulls & Tape.

3M® Reflective Trim.

Mil-Spec Velcro.

Single Needle Tailoring.

Total Weight (Size: XL): 27 oz. / 1.69 lbs. / 0.77 kg.

UL® Certified to NFPA 1977-2011 Specifications.

#### **Veridian Limited's Wildland Jacket**

Available in Nomex® IIIa or FR Indura® cotton and offers durable protection and lightweight comfort for wildland fire fighters. Veridian's wildland jacket features our Flex wing back construction for extra mobility. Along with our standard triple stitch seam construction, choose from a variety of options to suit your needs and budget.

Fully compliant to NFPA 1977 (current edition).

Available in Nomex IIIa or Indura Ultrasoft FR cotton.

Durable protection and lightweight comfort.  
Optional 3M™ Scotchlite™ Reflective Material.  
Flex Wing back for greater mobility.  
Zipper closure on jacket.  
Roomy bellows pockets on jacket.  
Hook and loop cuff adjustment.  
Lime Triple Trim.

## **PGI Fireline Wildland Coat, Yellow Nomex IIIA**

### Features and Benefits

Four inch high collar can be worn folded down to allow venting or zipped up to completely cover neck providing additional protection from heat and flame. Unlike conventional Wildland coats, no bulky throat strap and closure system is required.

Two-way brass zipper mounted to Nomex tape is covered by double storm-flap with intermittent hook/loop closures.

Articulated elbows promote freedom of movement as well as a more contoured fit.

Gusset at cuff has secondary hook/loop strip allowing cuff to be opened to its fullest extent for maximum ventilation or to allow glove cuff to be tucked inside.

3M Scotchlite Flame Resistant Retro Reflective Lime/Yellow two inch wide Triple Trim sewn around arms, bottom and across shoulders in back.

Large cargo hip pockets with hook/loop flap closures expand for extra storage capacity and have built-in hand warmer compartments.

Radial sleeve design allows full arm movement and assures "no hike" fit when arms are raised over shoulders.

Adjustable cuffs incorporate hook/loop tab for easy adjustment even when wearing gloves. Partially elasticized wrist allows cuff to be tightly secured without impeding circulation or movement.

Radio pocket with hook/loop flap closure and microphone holder loop.

Seamless shoulders eliminates bulky seams and allows maximum mobility while reducing wear and seam pressure under pack harness.

Hanger loop at neck.

### Certification

U.L. Classified to meet or exceed NFPA 1977 Standard on Protective Clothing and Equipment for Wildland Firefighting (Current Edition).

Requirements for Cal-OSHA Title 8 GISO Sections 3406 (c)(1) and/or 3410(d)(1).

## **Crew Boss: Interface Wildland/Urban Coat, NFPA 1977**

Combines features and functionality of both Wildland and Structural Firefighting turnout gear.

The ideal Wildland over-coat for initial attack.

Generous full-cut design allows faster donning, immediate response.

Designed for comfort, protection, and convenience in a wider range of situations.

Matches Interface Brush Pant to make a full set of protective wildland outwear.

### Features

Full-cut design available in Nomex® IIIA or TecaSafe fabrics.

Fully covered zipper front closure with #10 brass zipper mounted on Nomex® tape.

Caped shoulder design provides extra room for full freedom of arm movement.

Gusset cuff with hook and loop closure.

Alpine style collar.

Radio pocket with mic tab.  
Unidirectional front cargo pockets with concealed hand warmers.  
Large interior storage pocket and glove hanger tab.  
M Scotchlite™ Triple Trim around bottom, across back and around forearms.  
Sewn with Nomex® thread throughout.  
Coat available in Yellow only.  
ISO 9001 registered and certified by Underwriters Laboratories Inc.  
Available in sizes Small through 3XL.  
Made in U.S.A.  
Certified to meet NFPA 1977, 2008 Standard on Protective Clothing and Equipment for Wildland Fire Fighting.

Choose from three Outer Fabrics:  
6.0 oz. NOMEX® IIIA, YELLOW  
7.5 oz. NOMEX® IIIA, YELLOW  
7.0 oz. TECASAFE PLUS

### **Example Helmets**

#### **Bullard Wildland Helmet Hat**

Bullard Wildfire helmets are specifically engineered to meet the special needs of wildland/forestry firefighters. Manufactured from heat-resistant thermoplastic for superior impact and penetration protection, Wildfire helmets meet and exceed the performance specifications of NFPA 1977-2005. These helmets also exceed all major state fire codes for wildland firefighting. Wildfire helmets can also be customized by the Bullard Logo Shop. The Bullard Logo Shop uses the latest pad printing technology to print your logo or insignia in vivid colors.

#### **Highlights**

Easy to adjust Flex-Gear® ratchet sizing suspension.  
Thermoplastic shell.  
Available in cap style or full brim hat style.  
Reflective lime-yellow stripes.  
Three goggle clips.  
Adjustable chinstrap.  
Comfortable 6-point suspension.  
Leather ratchet cover (on ratchet models).  
Absorbent cotton brow pad.  
Velcro attachments inside shell.  
Meets NFPA 1977-2005 specifications.

#### **Phenix First Due Series WILDLAND Version - OSHA Compliant**

High temperature thermo plastic shell.  
*Four 3M lime-yellow reflective 1 x 4 strips.*  
Closed cell energy impact cap.  
Exclusive Phenix suspension liner (nape strap or ratchet).  
Nomex and fire retardant cotton 8 earlaps (sewn-in or detachable).  
Nomex webbing chinstrap (postman s slide, quick release, or combination).  
NFPA compliant 4.5 face shield with scratch resistant coating.  
Screw knob attachment kit.

Compliant to current NFPA, CAL and US OSHA standards.

### **Example Face Masks/Shrouds**

#### **Hot Shield Wildland Firefighter Face Mask**

**The Hot Shield (model HS-2)** Firefighter Face Mask is a multiple layer, patented face protector mask designed by firefighters for use in all wildland firefighting operations. The HS-2 offers unequalled, extreme protection against burns to the face/neck with the added benefit of blocking & reducing the inhalation of smoke & ash particulate. Multiple layers of CarbonX<sup>®</sup> help maintain the crucial airspace in front of the mouth and nose. The soft comfortable inside liners (also CarbonX<sup>®</sup>) absorb perspiration, adding to user comfort.

Highly breathable mesh CarbonX<sup>®</sup> covers the center ventilation orifice allowing easy air exchange and helps prevent buildup of CO<sub>2</sub>. The patented, user-friendly design allows the firefighter to insert an activated carbon, low cost disposable particle filter w/exhalation valve. CarbonX<sup>®</sup> is the only inherently non-flammable revolutionary fiber in the world that will not burn, ignite, char, shrink or decompose at temperatures exceeding 2600 F. even for extended periods of time. The HS-2 weighs 4.0 oz./112 grams, incorporates Scotchlite<sup>®</sup> Reflective trim for nighttime visibility and is classified as an interface component of Wildland PPE.

#### **HS-2 Mask Filter**

Filter for use with the HS-2 Mask.

#### **Carry Pouch**

Carry Pouch for HS-2 Mask & Accessories.

#### **Hot Shield UNI-V@ Ultra Shroud Extreme**

The UB-V2 offers the top performance protection of CarbonX, yet doesn't require a filter of any kind. This mask is a nearly 100% fireproof facial protection garment that is easier to use, take off and put on than any mask or bandanna you have ever used or seen before.

#### **CX Wildland Helmet Shroud**

Designed and built for comfort and protection, the CX Wildland Helmet Shroud keeps your face and neck shielded from embers and heat. An offset velcro-close face closure provides better comfort and less heat retention while breathing. Attaches to wildland helmet via Mil-Spec Velcro.

#### **Features**

Excellent Moisture Management.  
Soft and Lightweight Fabric Provides Unmatched Comfort.  
FR Properties Won't Wash or Wear Out.  
Stitched with high-quality Nomex<sup>®</sup> Thread.  
Offset Velcro Closure for Maximum Face Comfort.  
Lifetime Warranty.

### **Example Goggles**

## **Wildland Fire Odyssey II Goggles**

HIGH TEMPERATURE MATERIAL Sealed "Dual" Scratch-Resistant, Anti-Fog Lens UV absorbing polycarbonate lens.

Ultra comfortable, soft closed cell foam for a snug seal allowing no smoke to come in.

Non-vented body, offering best protection against liquids and dust.

Extra wide peripheral vision.

Fits over prescription eyewear.

Easy strap adjustment.

Meets ANSI Z87.1-2003 Standards.

Meet CAN/CSA-Z94.3 Standards.

MEETS NFPA 1977.

## **Example Firefighting Pumps**

### **Indian Backpack Firefighting Pumps-Galvanized**

Five-gallon tank features baffle, outlet with filter screen at bottom, 1" recessed bottom, and ventilated back rest. Slide action pump is operated by hand. Gasketed cam lock tank cap features a ventilation hole to prevent tank collapse, and is secured to the tank by a 4" beaded chain. Combination nozzle allows quick change from spray to straight stream. Single-braided, flexible, oil-resistant hose, 1/2" I.D., 30" long. Carrying handle has clips for securing pump and holes for attaching removable, 1-3/4" heavy-duty polypropylene shoulder straps. One strap has clip for attaching pump to your chest. Net Weight: Stainless 12 lbs., 2 oz. Galvanized 12 lbs., 5 oz.

### **Smith Indian Fire Pump, Steel Wildland Fire Tank with Pump, 5 Gallon**

#### **Features**

Galvanized or stainless steel tanks outfitted with premium Smith all-brass or chrome pump.

Pump will provide years of bind free use and you can count on it in an emergency.

Lumbar support built into back with air vent holes for comfort.

Dual nozzle changes quickly from stream to spray without tools.

Available in 5 gallon galvanized or stainless steel with a chrome or brass pump.

Truck carry rack and tank/pump service kit available separately.

MADE in the USA.

Dimensions: 19" x 16.25" x 10".

Weight: 10 lbs stainless and 11 lbs galvanized.

#### **Additional Features**

Large 4" filler opening for easy filling and cleanout.

Carrying handle located at top of tank has clips for storing pump.

Slide pump fabricated from seamless brass cylinders.

A guide bushing on the inner cylinder allows for bind free operation.

Combination nozzle allows for operator to change from a straight stream to a cone spray quickly and easily without any special tools.

Nozzle secures to pump with beaded chain.

Pump can be disassembled by hand for complete in field maintenance.

Available in Stainless or Galvanized steel with a chrome or brass pump.

## **Smith 500 FSV Fedco SmokeChaser Collapsible Heavy Duty Vinyl Wildland Indian Fire Tank Bag with Pump, 5 Gallon**

### Features

Constructed of strong polyester fabric encased in vinyl for superior durability.  
Vinyl gives maximum resistance to weather, acid, alkalis, and water.  
Puncture, abrasion and weather resistant for years of use.  
Collapsible, rolls up to fit in small areas when not in use.  
Dual nozzle changes quickly from stream to spray without tools.  
Lumbar support and waist belt added for comfort and stability.  
Available in 5 gallon, 5 lb. (empty) with brass pump.  
Service kit is available separately and includes replacement parts for the SmokeChaser.  
MADE in the USA and approved the US Forestry Service.  
Dimensions: 18.875" x 4.5" x 4.5".  
Weight: 5 lbs.

### Additional Features

Seams are electronically seals and reinforced at all stress points.  
Pump is completely rust proof and provides a positive shutoff at any position with no drip off or waste of water.  
Pump is unaffected by non-use periods of storage.  
Pump has been tested 50,000 strokes at 4 psi without any loss of pump efficiency.  
Shoulder strap is equipped with clip to hold pump, freeing up hands.  
Oil proof 44" long hose is equipped with rust proof ball bearing quick connect type connector.

## **Smith Indian Fire Pump, Chief 5-Gallon Heavy-Duty Dual Bag Nylon Fire Pump**

This 5 gallon lightweight, heavy duty nylon fire pump bag is collapsible and can be rolled up to fit in small areas when not in use. The lightweight design helps reduce operator fatigue and are perfect for forest, grass brush and rubbish fires. The shoulder harness straps offer the best in comfort with the center cinch strap distributing weight efficiently and comfortably. Nylon gives maximum resistance to weather, acid, alkalis, and water and is also puncture, abrasion and weather resistant for years of use and abuse found on the Fireline. The pump is all brass and the dual nozzle changes quickly from stream to spray without tools. The military spec shoulder straps and carry handle will not rot, mildew or twist while in service. Weighs approx. 5 lbs. (empty). All Smith Indian fire pump tanks are proudly MADE in the USA and approved the US Forestry Service.

Durable outer bag offers more protection from punctures.  
Harness straps with chest cinch strap help balance the load and prevent straps from pulling forward.  
2 liners are included with fire pump—an extra liner is stored in the outer pouch of nylon bag which is also perfect for storing extra gear.  
Quick connect and Indian Fedco pump are the same as used on the Smokechaser model and the dual nozzle can change from stream to spray without any tools.

## **Hale Fyr Pak Backpack Pump**

The compact Hale Fyr Pak pump is close coupled to a lightweight engine. This unique pumping unit is designed for dependable and efficient high pressure performance with minimum weight. The pump and engine are securely mounted using vibration absorbing bushings to a comfortable backpack carrying frame. The unit is well balanced and mounted close to the foam padded lightweight adjustable frame for

maximum carrying comfort.

#### Features

Lightweight, easy to carry and set-up.  
Simple & reliable to operate.  
Meets USDA specifications 5100-274A.  
Quick connect 5 gallon fuel can w / 5' fuel line.

#### Pump Specifications

Model: Hale 20FP.  
Type: Centrifugal.  
Primer: Optional hand type.  
Construction: Aluminum w/bronze impeller.  
Suction: 2".  
Discharge: 1 1/2".

#### Engine Specifications

Engine: 8 hp Chrysler, 2 cycle Power Bee, air cooled.  
Starting: Recoil type.  
Construction: Lightweight aluminum.

#### Dimensions

Length: .32".  
Width: .16.5".  
Height: .13".  
Weight: .34 lbs.

#### Pump Performance

<b>PSI</b>	<b>GPM</b>
205	10
140	40
40	70

### **Example Drip Torch**

#### **Forestry Suppliers Sure-Seal Double-Bottom Drip Torch**

Safety features include a Big Mouth design for easier filling. A fuel trap on the spout prevents flashback into tank. A check valve in the cover provides a second level of protection against flashback. Breather valve, oilproof gaskets and sealed outlets prevent spills and fuel-slopping. Heavy-duty 15-gauge aluminum canister with welded double-bottom for extra-long life. Meets D.O.T. approval for transport of flammable fuel UN# 1B1-Y-150-06. Full-length handle. Height: 25-1/2" high in the operating position; 14" high in the sealed position. Capacity: 1-1/4 U.S. gallons. Weight (empty): 5 lbs., 6 oz.

#### **Mercedes Textiles Drip Torch, 1.2 US Gallon Capacity**

Constructed of lightweight, long-lasting aluminum, Mercedes Textiles' Drip Torch is an excellent tool for intentionally igniting and directing controlled fires during wildland firefighting. This drip torch is equipped with multiple safety features to assure safe and reliable ignitions, including a check valve, a fuel trap, and a self-extinguishing igniter when the torch is in an upright position. The torch wand is

reversible for convenient, leak-proof storage within the reservoir. With a tank capacity of 1.2 US gallons (1 imperial gallon / 4.5 liters), Mercedes Textiles' Drip Torch makes it much easier and safer to ignite controlled fires for use in wildland firefighting situations.

Constructed of lightweight, long-lasting aluminum.

Equipped with multiple safety features.

Check valve.

Fuel trap.

Self-extinguishing igniter (when the torch is in an upright position).

Reversible wand for convenient, leak-proof storage within the reservoir.

Tank capacity of 1.2 US gallons / 1 imperial gallon / 4.5 liters.

Excellent for intentionally igniting and directing controlled fires during wildland firefighting.

### **Example Wildland Pack**

#### **True North Spitfire Wildland Pack**

The patented SCS™ (Super Compression Suspension) is designed to make this pack feel virtually weightless and ultra comfortable by pulling the pack's load securely against you. Hip belt and harness are removable. Other features include a removable fire shelter pocket, two side pockets which can hold one-liter bottles, and reflective trim. Meets NFPA 1977, 2005 Edition. Lifetime manufacturer's warranty.

Capacity: 2,250 cubic inches.

#### **Coaxsher SR-1 Endeavor Search and Rescue Pack**

##### **Features**

Modular Pack System for Multiple Set-Up Options.

Aluminum Stay Frame Structuring for Custom Fit.

New Patent Pending D.A.S. Dual Action Stabilizer.

4 Grommets on Each Side Pocket Provides Maximum Drainage for Fluids and Dirt.

Additional Inside Mesh Storage Pockets.

Daisy Chain with Built In Ladderloc Provide the Ability to Attach Belt-Loop Accessories .

Quick-Release ITW Nexus Buckles on All Connection Points for Maximum Speed when Converting Pack.

Adjustable Hip Belt/Torso to Fit Multiple Sizes.

Ergonomically Designed Harness System.

Webbing Reinforced Stress Points.

102 oz. Water Reservoir Pocket w/ Dual Hose Ports.

Removable 400 cubic inch Medical Kit Case.

Two Side Pockets for Water Bottles (Capacity: 4 - 32oz.).

Total of 10 Pockets for Organization.

More Webbing Daisy Chain Connection Points.

Two Covered Side Pockets.

Lifetime Warranty.

Material: DuPont® 1000 Denier Cordura®.

ITW Nexus® Buckles and Hardware.

YKK® Zipper Pulls & Tape.

Quality Nylon Webbing.

Total Weight: 78 oz / 4.88 lbs / 2.21 kg.

Full Volume: 2800ci / 45.88 liters.

Light-Duty Volume: 900ci / 14.75 liters.

## **Coaxsher FS-1 Spotter Mid-Weight Wildland Fire Pack**

### Features

Fire Shelter Case Drop-Down Feature Counterbalances Weight While Digging.

Modular Pack System for Multiple Set-Up Options.

Aluminum Stay Harness Structuring for Ultimate Hiking Comfort.

New Patent Pending D.A.S. Dual Action Stabilizer.

Inside Mesh Storage Pocket.

Daisy Chain with Built In Ladderloc Provides the Ability to Attach Belt-Loop Accessories.

Quick-Release Buckles on All Connection Points for Maximum Speed when Converting Pack.

Adjustable Hip Belt/Torso to Fit Multiple Sizes.

Ergonomically Designed Harness System.

Webbing Reinforced Stress Points.

102 oz. Water Reservoir Case w/ Dual Hose Ports.

Removable 700 cubic inch Main Pack.

Removable New Generation Fire Shelter Case.

Gloves Pocket on Fire Shelter Case.

Includes the Water Bottle Case.

Lifetime Warranty.

Material: DuPont® 1000 Denier Cordura®.

ITW Nexus® Buckles and Hardware.

YKK® Zipper Pulls & Tape.

Quality Nylon Webbing.

Total Weight: 60 oz / 3.75 lbs / 1.7 kg.

Volume: 1100ci / 18.03 liters.

## **Coaxsher FS-1 Ranger Wildland Fire Pack**

### Features

Fire Shelter Case Drop-Down Feature Counterbalances Weight While Digging.

Compression Straps Keeps Load Secure.

Modular Pack System for Multiple Set-Up Options.

Aluminum Stay Harness Structuring for Ultimate Hiking Comfort.

New Patent Pending D.A.S. Dual Action Stabilizer.

Spin-Drift Collars Inside Side Pockets.

4 Grommets on Each Side Pocket Provides Maximum Drainage for Fluids and Dirt.

Additional Inside Mesh Storage Pockets.

Daisy Chain with Built In Ladderloc Provides the Ability to Attach Belt-Loop Accessories.

Quick-Release ITW Nexus Buckles on All Connection Points for Maximum Speed when Converting Pack.

Adjustable Hip Belt/Torso to Fit Multiple Sizes.

Ergonomically Designed Harness System.

Webbing Reinforced Stress Points.

102 oz. Water Reservoir Case w/ Dual Hose Ports.

New Generation Fire Shelter Case w/ Alice Clips.

Glove Pocket on Fire Shelter Case.

Two Side Pockets for Water Bottles (Capacity: 4 - 32oz.).

Total of 10 Pockets for Organization.

Tool Loop to Secure Tools to Pack.

Two Covered Side Pockets for Fuses.

Lifetime Warranty.  
Material: DuPont® 1000 Denier Cordura®.  
ITW Nexus® Buckles and Hardware.  
YKK® Zipper Pulls & Tape.  
Quality Nylon Webbing.  
Total Weight: 78 oz / 4.88 lbs / 2.21 kg.  
Full Volume: 2700ci / 44.25 liters.  
Light-Duty Volume: 800ci / 13.11 liters.

### **Coaxsher FS-1 Mojave Lightweight Wildland Fire Pack**

#### Features

Water Reservoir Case Holds up to a 102oz. Water Bladder (Water Bladder Sold Separately).  
New Generation Fire Shelter Case.  
Gloves Pocket on Fire Shelter Case.  
Fire Shelter Case Drop-Down Feature Counterbalances Weight While Digging.  
Attach Fire Shelter Case to Side of Hip-Belt w/ alicie clips.  
Hip Belt Daisy Chain for Adding Coaxsher Accessories.  
Capable of Adding Coaxsher Pack Modules.  
Superior Comfort for Hip, Back, & Shoulders.  
Perfect for Working In & Out of Vehicles.

### **Ranger/Endeavor 1500ci Pack**

Note: This is just the 1500ci pack module. Does not include pack harness or any other module.

#### Features

Side Pocket Lids Stow When Not Needed.  
4 Grommets on Each Side Pocket Provides Maximum Drainage for Fluids and Dirt.  
Additional Inside Mesh Storage Pockets.  
Quick-Release ITW Nexus Buckles on All Connection Points.  
Webbing Reinforced Stress Points.  
Two Side Pockets for Water Bottles (Capacity: 4 - 32oz.).  
Total of 8 Pockets for Organization.  
Tool Loops to Secure Tool to Pack.  
Two Covered Side Pockets for Fuses.  
Lifetime Warranty.

### **Alpha-10 Fire Line Pack System**

#### Features

Top loader: uses a dry bag closure mechanism.  
Non-detachable pack with radio holsters, flagging tape dispenser and battery pouch built-in.  
Oversized, open side pockets fit multiple water / SIG bottles.  
Dynamic Load Management System compresses entire pack without blocking access.  
Heavily padded, softer belt, suspenders, yoke and back.  
Tapered suspenders reduce rubbing while working.  
CamelBak 102 oz. Omega reservoir included.  
Fire Shelter Case is detachable, right or left hand pull, and can be mounted to the belt.  
2200 cu in (main body alone).  
NFPA certified.  
6 lbs., 6 oz.

Black.

### **Example Forest Fire Protection Shelter**

#### **Anchor Industries New Generation Fire Shelter**

This shelter provides added protection from direct flame, reflects radiant heat, and traps breathable air. The outer layer is comprised of aluminum foil which reflects radiant heat and woven silica cloth which slows the passage of heat to the inside of the shelter. The outer layer of foil reflects approximately 95 percent of radiant heat. The shelter's inner layer is constructed of fiberglass laminated to aluminum foil which prevents heat from being reradiated to the person inside the shelter. Shake handles allow for fast deployment while rounded ends scatter radiant heat.

**Regular Fire Shelter:** For most firefighters up to 6 ft. tall. Deployed size: Length: 86", Height: 15.5", Width: 31". Regular size shelter provides protection for most firefighters up to 6 ft. tall and of normal weight (no more than 53" in girth at any point). (NFES #0925).

**Large Fire Shelter:** For firefighters over 6 ft. or more than 53" in girth. Deployed size: Length: 96", Height: 19-1/2", Width: 33". Large size shelter is designed for firefighters taller than 6' 1" or whose girth exceeds 53" at any point. The larger fire shelter provides better protection for larger people by allowing less contact of the shelter material with the occupant's body and provides more air space between the shelter and occupant. The large fire shelter is easily identified by the orange deploy strap. Forest Service Spec 5100-606. (NFES #0975).

#### **Specifications:**

<b>DIMENSIONS</b>	<b>REGULAR</b>	<b>LARGE</b>
<b>Folded in Case</b>	8.5"H x 5.5"W x 4"D	9"H x 5.5"W x 4"D
<b>Deployed</b>	86"L x 15.5"H x 31"W	96"L x 19.5"H x 33"W

### **Example Radio Holster, Hip Case, Radio Chest Harness**

#### **Coaxsher Mini Radio Holster**

Attaches to hip-belt of Coaxsher backpacks and MOLLE Chest Harness via a MOLLE strap.

#### Features

Stores and Protects mini Radios.

MOLLE Attachment System.

Easy Access to Stored Items.

5" H x 3" W x 2" D.

Lifetime Warranty.

#### **Multi-Use Hip-Case**

Store and access sawyer supplies, EMT supplies, etc. Inside this case is sewn elastic to hold stored items in place. With the MOLLE attachment system you can attach this case to either the MOLLE Chest Harness or hip-belt on a Coaxsher backpack.

### Features

Small/Medium Item Storage.  
MOLLE Attachment System.  
Easy Access to Stored Items.  
8" H x 6" W x 3" D.  
Lifetime Warranty.

## **Coaxsher DR-1 Commander Dual Radio Chest Harness**

### Features

Two Main Radio Holsters - Fits Two BK / 800 MHz radios.  
Large Wide-Mouth Zipper Close Main Pocket.  
Two Internal Pockets within the Main Pocket for Organization.  
Fold-Down Platform for Reading/Writing.  
Open Air Back Plate Cuts Weight and Allows Airflow.  
Writing Tool Pockets.  
Adjustable Radio Holsters to Fit Multiple Radio Sizes.  
Spare Battery Shell / Cell Phone Pocket.  
Hi-Strength Grommets / D-Ring to Secure Extra Gear.  
Great Visibility - Reflective Material & Glow Stick Holder.  
Removable Mod-u-Lox C-Clip Holds Mini Mag Lite®.  
Lifetime Warranty.

### Example Tools

#### **Council Tools 3.75lb Pulaski Axe**

3.75# Pulaski axe with 36" hickory handle. A traditional style bit axe blade on one end and a mattock blade for digging or grubbing on the other end. Used in a variety of settings including forestry and general landscaping.

Forged steel head.

#### **Made in USA.**

Hand sharpened, single bit edge and mattock blade.

ANSI Standards call for bit hardness of Rc 45-60, at least inch back from the cutting edge. Council Tool internal standards call for tempered bit hardness of Rc 48-55.

Body coated with red enamel and the cutting edges in clear lacquer to deter rust.

36" double bit American hickory handle. Eye section is dried to below 10% moisture content to minimize shrinkage and help prevent loosening.

Axe head is hydraulically seated onto handle and secured with a serrated aluminum wedge. The serrated shape improves bite and the aluminum choice of material is strong, lightweight and does not change size with moisture content.

The interior detail of the eye is tapered and allows for a strong mechanical bond. Approximately 1/2" of the overall length of the handle is removed during assembly.

#### **Fire Hooks Unlimited Pulaski Axe with Fiberglass Handle**

The Pulaski is a combination axe and grub hole ideal for chopping, digging fire lines in hard and soft soils. Ground and tempered cutting edges. Axe head attached to a fiberglass handle which dramatically outlasts wood in firefighting applications by resisting breakage, heat, moisture, and cleaning materials.

### **Akron 58" Round or Square Point Shovels, Ultra-Lite Handle**

#### Features

HEAD DIMENSIONS: 8" W x 10" L.

OVERALL LENGTH: 58".

Square point shovel works well for structural fire clean-up.

Round point shovel works well for fast digging on the fire line.

Tempered steel construction allows shovel heads to keep their shape and edge.

Corrosion resistant clear-coat finish.

58" Akron Ultra-Lite hollow fiberglass poles provide high strength with minimum weight.

Bright yellow handle color will not chip or fade and makes these shovels easy to find.

5-year Manufacturer's Limited Warranty.

### **Akron McLeod Wildland Fire Tool, 48" Wooden Handle**

A hoe and rake in one—to clear firelines faster.

Lightweight, convenient combo tool made especially for wildland firefighting.

Deeply serrated rake clears brush or debris.

Sharpened hoe for scraping, cutting, and chipping out trails.

48" White Ash handle provides strength with less weight.

Breaks down with a wrench for easy packing.

#### Features/Specifications

HEAD DIMENSIONS: 11" W x 8-3/4" H.

TOTAL LENGTH, ASSEMBLED: 50-1/2".

11" wide steel rake head with six tapered teeth.

Tapered hoe has sharpened blade for cutting and chipping.

Heavy-duty welded construction.

Steel head is attached by a hex nut for fast removal or replacement.

A pin keeps the tool head from rotating.

Tool breaks down easily for packing into remote locations.

Corrosion resistant powder-coated finish.

48" natural White Ash handle.

Shellac finish for durability.

5-year Manufacturer's Limited Warranty.

### **Council Pick & Shovel Combi-Tool**

This high-quality, long-handled variation on the classic military folding foxhole shovel is used to construct fire lines, control burn operations, and construct or repair trails. The council combination tool is a pick and shovel that can be secured as a shovel/hoe/pick combination, shovel only, or pick only. The shovel end's cutting edge is able to cut light brush. The tools fold flat against the 42" wooden handle for easier transport and storage.

#### Features

Shovel.

Straight Pick.

Combination.

Folds flat for easy transport and storage.

Sharp edged shovel will cut light brush.

Classic versatility from a tool that can be used for many applications.

### **Council Tool Forest Fire Rake**

4 triangular shaped steel cutting teeth, specially sharpened and hardened.

Securely riveted to tough iron.

Red enamel coating on body, teeth are natural steel finish coated to deter rust.

Tamp down style handle socket. Can break down easily for storage and handling.

52" American Ash handle. This material produces long, straight grain and provides strength, flexibility and memory.

#### Features

Durable forestry tool for chopping, raking, moving underbrush, vines, etc.

Produced in accordance with USDA Forest Service Specification 5100-284C.

Forest fire rake with a 52" or 60" handle.

### **Council Tool McLeod Tool**

#### Features

Made in USA.

High carbon steel blade, formed and sharpened for digging and clawing and clearing brush.

Heat Treated for toughness and wear resistance.

Black enamel finish for rust resistance.

Enhanced ferrule joint for strength and durability.

48" American ash handle is strong and durable.

Produced in accordance with USDA Forest Service Specification 5100-353D, dated November 1992, or latest version thereof.

### **Fire Hooks Unlimited Wildland McCloud Tool**

This efficiently designed tool is both a forestry rake and hoe. The heavy duty double-side blade comes complete with your choice of Fiberglass or Ash Core Wood handle. Can be used for trenching, grubbing, or slashing brush. Or put it to work cutting through deep duff, underbrush and similar fuels. If you've got to carry one tool, this is the one.

Efficiently designed to be both a forestry rake and hoe.

Can be used for trenching, grubbing, or slashing brush.

Cut through deep duff, underbrush and similar fuels.

Heavy duty double-sided blade comes with either Fiberglass or Ash Core Wood handle.

Handle is non-removable.

#### Specifications:

Length of handle: 4 ft. 6 in.

Width of head: 10.5 in.

Height of head: 9 in.

### **Fire Hooks Unlimited Brush Fire Broom, 5 Ft Length**

Brush Fire Broom with 5-feet-long hickory handle.

### **Fire Hooks Unlimited Brush Rake, 5 feet**

Available with either Ash Wood or Fiberglass handle.  
Length: 5'.

### **Council Tool Fire Swatter w/ 60" Handle**

Fire swatter has a 60" handle. Sometimes referred to as a fire flap, flail or beater, this tool is used to smother fire. Typically it is used to control or direct flames during controlled burns or in conjunction with mop-up details after fires.

Made in USA.

Flap is a masticated rubber piece of approximately 1/4" x 12" x 15".

Secured to a rectangular steel structure member with a welded stud which is forced into a ferrule.

Red enamel finish on the metal frame.

60" American ash handle with a ferrule for strength and durability.

Bundled for shipment and handling.

### **Nupla Single Edge Bush Hook**

3 lb. Drop forged, heat treated and tempered heavy gauge carbon steel single-edge sharpened blade, 11 1/2" in length. Lifetime® warranted Nuplaglas® handle is constructed with thousands of fiberglass strands and a unique resin to make it super strong, all-weather, chemical and insect-resistant. Ergonomic non-slip grip.