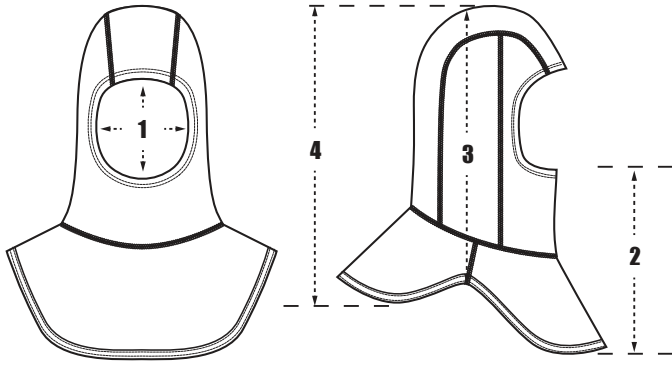




# COBRA™ ELITE PRO HOOD

38001-00-192098 (Black)

**CARBON X**



### HOOD DIMENSIONS – ONE SIZE HOOD FITS ALL

1. Face opening is circular and measures between 4.6" to 5.6" in diameter
2. Length of hood below face opening approximately 14"
3. Length of hood at side from top to bottom approximately 18.5"
4. Length of hood at front and back from top to bottom approximately 20.5"

### DESIGN

- Double ply hood - Sure Fit™ and coronal plane panels with separate drape .
- Improved, slimmer style for enhanced fit
- Provides double layer coverage of neck, upper chest and back
- Tapered back and notched shoulders enable bib to lie flat on front and back
- Flat stitched seams
- X-heavy 1/2" wide elasticized face opening
- Cover stitched bound drape

### THREAD

- All seams are sewn with 100% Nomex thread size Tex 40.

### STITCH TYPES AND SEAMS

- All stitching conforms to Federal Standard 751 Specifications (FED-STD-751).
- Major seams are flat seam assembled with stitch type 607.
- Drape attachment to top is done with stitch type 401 and reinforced with stitch type 605.
- Elastic around face opening is serged in with stitch type 504 and reinforced with bottom cover-stitch type 406.
- Binding is applied with bottom cover-stitch type 406.

# SPECIFICATIONS

### FABRIC: CARBON SHIELD™

WEIGHT: 220 gsm (6.5 oz/yd<sup>2</sup>)

#### FABRIC DESCRIPTION:

- Outer shell and lining are Carbon/High Strength Aramid
- 1 x 1 rib knit fabric - knit to allow approximately 200% stretch for stretch and recovery
- Calendered to minimize laundry shrinkage

**⚠️** ARC RATING: 32 | HRC RATING: 3

### CONSTRUCTION

- Entire hood is composed of two layers of knit fabric.
- Top is seamed from top of face opening to bib in back with six thread flat seam for comfort. Bib is assembled and joined around circumference of top with 2 thread serge and then 5 thread cover-stitched for extra strength.
- Face opening is circular in shape and serged with x-heavy duty 1/2" wide elastic around the perimeter. The elastic is then folded back 1/2" and cover-stitched. The face opening stretches 25% more than conventional hoods for easy donning and a snug fit around face of SCBA mask. Face opening maintains original shape after repeated launderings.
- The bottom edge of bib is bound with self-material bias binding and contoured at shoulders allowing the hood to drape on the chest and back for maximum coverage.

### LABELING AND USER INFORMATION

- UL Certified FR label facilitates tracking and identification through bar-coding, sequential numbering and personalization.
- "PROPERTY OF: \_\_\_\_\_" feature allows user to simply write their name with permanent laundry marker directly on label for permanent identification.
- Each hood is clearly labeled to identify material contents, NFPA acceptance, UL Classification, Date of Manufacture, Lot Tracking Number, Style Number, Statement of Made in USA and Care Instructions.
- Each hood includes a complete user information guide.

### MEETS OR EXCEEDS INDUSTRY STANDARDS

- UL Classified to meet or exceed the current hood requirements of NFPA 1971, Standard on Protective Ensemble for Structural Firefighting.
- Compliant with CAL-OSHA, Sections 3406 and 3410(d) and OSHA Rule 29 CFT, Part 1910, 269. Compliant with NFPA 70E Current Edition and meets performance specifications of ASTM-F-1506.
- ARC Rating: 32 - Hazard Risk Category: 3



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# SPECIFICATIONS

## COBRA™ ELITE PRO HOOD

38001-00-192098

FABRIC PERFORMANCE VALUES	NFPA 1971 REQUIREMENTS	CARBON SHIELD
Thermal Protective Performance (TPP)		
■ As Received	≥ 20.0	31.2
■ After 5 Washings	≥ 20.0	33.1
Flame Resistance Test		
After Flame (Wales x Courses)		
■ As Received	≤ 2.0 s	0.0 s x 0.0 s
■ After 5 Washings	≤ 2.0 s	0.0 s x 0.0 s
Char Length (Wales x Courses)		
■ As Received	≤ 100 mm	0 mm x 0 mm
■ After 5 Washings	≤ 100 mm	0 mm x 0 mm
Cleaning Shrinkage Resistance Test		
Hood Measurement		
■ After 5 Washings	≥ -5.0%	-1 to 0.3%
Face Opening Measurement		
■ After 5 Washings	MEETS REQUIREMENTS	YES
Heat & Thermal Shrinkage Resistance Test		
Hood Measurement		
■ As Received	≥ -10.0%	-1.4 to 0.0%
■ After 5 Washings	≥ -10.0%	0.0%
Face Opening Measurement		
■ As Received	MEETS REQUIREMENTS	YES
■ After 5 Washings	MEETS REQUIREMENTS	YES
Fabric Burst Strength Test		
	≥ 225 N	411 N
Seam Breaking Strength Test		
	≥ 181 N	630 N
Melt or Drip When Exposed to Flame		
	NO MELTING OR DRIPPING	NONE

Carbon Shield™ is a flame resistant fabric breakthrough based on carbon fiber technology. Considered the ultimate high-tech fabric for thermal protection and comfort. During the torch test, after about 5 seconds, traditional FR fabrics combust, severely shrinking and charring. Carbon Shield™ remains dimensionally stable even after 90 seconds, giving you the extra time you need to get out safely. If exposed to extreme heat or flame fabric glows but won't burn. It retains a certain tenacity at temperatures exceeding 2300°F for over 90 seconds. Superior protection from welding sparks and molten metal; resists pin holing from welding sparks and splatter. Sheds most molten metals and will not melt, ignite or burn even in the most severe levels of exposure offering unparalleled protection from molten metal splash. The space between the clothing and the body reduces and protects against burns. Carbon Shield™ is almost totally non-shrinking when exposed to flame and heat. When clothing melts or stiffens and decomposes in a fire, it deposits a by-product tar in the form of a liquid, which has a similar effect as melting increasing the risk of burns. Carbon Shield™ deposits no tar. Low heat conductivity in order to ensure the time to escape from fire, clothing must possess the property of delaying the transmission of heat. Infrared non-reflective, excellent for police/swat teams as well as military applications. Fabric has an excellent moisture regain (approx. 8%) and wicks moisture away from the skin to the outer shell, enabling it to evaporate at a rapid rate. The aspect of wicking moisture off the body not only offers a more comfortable garment but also improves protection.

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