



Fire Fighter Helmet: Chieftain 1910

Standards: NFPA -1971, 2007 Edition

Revision: No. 4.0 – 1 February 2007



MATERIALS

- Outer Shell: **Fiberglass Composite: painted in Yellow, Black, Red, White, or Blue**
- Impact Insert: **Polyurethane Foam molded to a PC-ABS Liner**
- Suspension Straps: **Nylon®**
- Faceshield: **Polyester/Polycarbonate Alloy (APC)**
- Ears Cover: **7.5 oz. Nomex® IIIA or 7.5 oz. PBI®; and Fire Retardant Flannel**
- Chin Straps: **Black Nomex® Webbing**

DESIGN FEATURES:

- OUTER SHELL.** Made of a tough, high temperature resistant fiberglass is covered by a high temperature, abrasion, ultra-violet rays, and chemical resistant paint, which is metal free, high gloss, and easy to clean. The helmet's edge and brim are protected by a reinforced aluminum trim covered by a fire retardant thermoplastic elastomer. The trim is secured in place by a nickel-plated clip, which also holds a corrosion resistant "D" ring that serves as a hanger for proper storage. Each outer shell comes with a metal carved eagle on the front ridge fastened to the helmet by six screws.

1910 Guardian. Highly visible fluorescent and retro-reflective trim rectangles are added to the finished helmet for the wearer's safety.

1910 Valor. Highly visible fluorescent and retro-reflective 3M Scotchlite® triple-trim chevrons are added to the finished helmet for the wearer's safety.
- IMPACT INSERT.** This one-piece impact insert is made of rigid, energy absorbing polyurethane foam, molded to a flame-retardant PC-ABS inner liner that offers excellent resistance at a wide range of temperatures. The inner liner is black and smooth, non-porous and easy to clean. This unit requires minimum maintenance but is easy to remove for inspection and service.
- HEADBAND.** The quick and easy ratchet adjustable headband is made from high temperature flexible Nylon®. The headband is shaped so that the ratchet assembly also acts as a nape device to aid in the helmet retention during impact and when leaning over. It allows head size adjustment between 6^{1/2}" and 9" and includes a padded sweat band to absorb wearer's perspiration for additional comfort. The brow pad and nape band are made of calfskin leather backed with a



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foam cushion padding material. The brow pad and nape band are wrapped around the headband and secured with Velcro® pieces to reduce helmet maintenance costs.

4. **SUSPENSION SYSTEM.** A six point replaceable nylon suspension that provides controlled shock transmission, balance, comfort and fit is anchored by means of a unique tab system to the inner crown assembly. The overhead suspension straps are distributed evenly and attached to an impact absorbing silicone elastomeric "O" ring on the outer side of the insulating polyurethane foam.
5. **EAR/NECK THERMAL LINER.**

1910 Guardian. The thermal liner, made of 7.5 oz Yellow Nomex® IIIA lined by a fire retardant red flannel, provides comfort and added protection from heat and flames. A Nomex® jersey knit forehead band is sewn to the thermal liner competes the contour that is positioned between the outer shell and the impact insert and provides proper interface with the mask of the breathing apparatus.

1910 Valor. The thermal liner, made of 7.5 oz PBI® lined by a fire retardant red flannel, provides comfort and added protection from heat and flames. A Nomex® jersey knit forehead band is sewn to the thermal liner competes the contour that is positioned between the outer shell and the impact insert and provides proper interface with the mask of the breathing apparatus. The liner comes in gold PBI®.
6. **CHIN-STRAP.** Made of 3/4" wide black Nomex® webbing, adjusts with a postman slide and a simple, quick release buckle. Designed to be operated by gloved hands, the chinstrap is easy and convenient to adjust and to release. Velcro® fasteners secure the loose "tail" portion of the strap.
7. **EYE PROTECTION.**

4" Faceshield. An injection molded transparent shield measuring 4" by 15" made of a polyester/polycarbonate alloy (APC) which is coated on both sides with a scratch resistant material for safety, strength and optical clarity. Its tension to the outer shell is adjustable by means of side knobs. A high temperature and flame resistant black Nylon® cover independent of the faceshield is pressure snapped on each end, to provide resistance to breaking or cracking when the faceshield is twisted by impact or dropped. It is presented in a soft wrapping material for product protection during shipping. Designed to meet the performance specifications of NFPA 1971, 2007 Edition.



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6" Faceshield. An injection molded transparent shield measuring 6" by 15" made of a polyester/polycarbonate alloy (APC) which is coated on both sides with a scratch resistant material for safety, strength and optical clarity. Its tension to the outer shell is adjustable by means of side knobs. A high temperature and flame resistant black Nylon® cover independent of the faceshield is pressure snapped on each end, to provide resistance to breaking or cracking when the faceshield is twisted by impact or dropped. It is presented in a soft wrapping material for product protection during shipping. Designed to meet the performance specifications of NFPA 1971, 2007 Edition.

Goggles. The goggles are designed specifically to meet the needs of the firefighter. It has a hard coated outer lens and an anti-fog inner lens with baffled top and bottom vents. The goggles come with a fully adjustable silicon strap designed for maximum comfort when worn and may be stowed on the helmet. Fits over most prescription, safety and sun protective glasses. It is presented in a soft wrapping material for product protection during shipping. Designed to meet the performance specifications of NFPA 1971, 2007 Edition.

8. **LABELS.** Water, cold and heat resistant permanent labels glued to the impact insert liner provide the lot number, date of manufacture, cleaning methods, and indicate the standards to which the helmet is certified. They provide space to write the owner's name and badge number.
9. **USE AND CARE GUIDE.** Each helmet is supplied with a "*User's Information Guide*" that contains details, warnings, warranty, size/adjustment, helmet conditions, inspections and frequency, donning and doffing, storage, retirement, cleaning, decontamination and repairs.
10. **CERTIFICATIONS.** The Chieftain 911 Fire Fighter Protective Helmet is certified to the NFPA 1971, 2007 Edition.