Bullard®

Cascos
Especificación Licitación ENG

Fire Equipment de México
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FEM S.A.
Fire Equipment de México

to protect those who keep us safe

Structure

- The helmet system provides a base platform that permits interchangeable outer shells of ½ and ¾ sizes (Helmet Type A and Type B) to meet structural, forestry, search, water, high angle, and medical fire and rescue applications.
- The platform provides adequate space to apply ranking symbols.
- Outer shell and front frame are available in seven different colors and reflective striping are available in three different colors to permit multiple color and rank combinations.
- The system is made from as few components as possible.
- The platform must isolate the entire inside of the helmet system. No heat, flames, sparks or liquids are allowed to enter the inside.
- The system provides access for use of stethoscope, cell phones and similar communication devices.
- The total weight shall be as low as possible.
- The system must be certified according to EN443-2008 including all optional tests.
- Helmet Type A must provide same impact protection like Helmet Type B.
- The visor (face protection) and the eye protector must be certified according to EN14458-2004 for firefighting applications.
- Any accessory must be tested and certified for and along with the system.
- Certificate of Compliance for Helmet-Mask-Combination is requested.

Assembly and maintenance

- The complete system and components shall permit quick and easy assembly and disassembly for maintenance, repair, cleaning, and change of applications.
- Complete disassembly or reassembly shall not exceed a few minutes.
- Any component of the system is available separately as a spare part.

Outer shell

- Made from Glassfiber Composite material, lowest possible weight, extreme resistance against heat, flames, impact and penetration.
- Minimum requirement: 300°C surface temperature for eight minutes with no delamination.
- Helmet Type A and B come in one unique design.

Paint

- Three-layer three-K paint, water based. Glossy finish with UV protection.

Platform

- Inner liner made from HD Polyurethane with optional Polyurethane coating on the inside. Plastic inserts for visor attachment molded into the PUR liner. Front and rear frame around the inner liner to take visor, eye protector and the entire harness.

Visor

- 3-D injection molded, min. 2mm thick with a maximum angle of view to both sides and to the top. The visor shall extend a minimum length of 20cm when deployed and fully retract inside the outer shell in the stowed position. The visor extends and retracts

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without impeding the use of prescriptive eyewear and protective goggles. The visor extends and retracts over most SCBA masks.
- Visor hardware permits easy replacement.
- The visor is operational with gloved hands.
- The visor is provided with an anti-scratch coating. An optional gold coated visor is also available.

Harness
- The harness provides maximum comfort, function and air ventilation.
- Minimized contact surface on the wearer´s head.
- All attachments designed as quick releases.
- All fabrics / thread are made from Aramid, all pads with non-flammable foam, and all plastic parts are made from non-flammable Nylon.

Headband/ratchet system
- Helmet has an adjustable sizing system to accommodate 50-65cm. Sizing adjustment is accomplished by a ratchet headband system while donned. Adjustment is possible with a gloved hand while donned.

- The helmet shell and head ring system design does not impede proper seal of SCBA mask or goggle when properly sized and in the donned position.

- The front part of the head ring as well as the back part including the ratchet system is adjustable vertically and horizontally and independently from each other. The complete headband/ratchet assembly provides quick release attachment and vertical and horizontal adjustment for comfort and balance options.

- Crown strap suspension with quick attachment to the rear frame permits the option of integrated attachment for bone microphones, left and/or right.

Chin Strap
- Front straps with optional comfort padding are separately adjustable for the right and left sides.
- Quick release buckle to the side of the chest. Adjustable rear strap, self positioning with a 2-point attachment to the rear helmet. The rear straps provide an x-shaped 2-dimensional surface-to-surface contact in the wearer´s neck.

Ear-Neck-Protector (ENP)
- The system provides both standard ENP´s made from 2-layer Aramid fabric and Dutch ENP´s.
- Dutch ENP made from four layers, outer layer Nomex, moisture barrier, permeable membrane and inner liner.

Accessories
The system provides at least the following optional accessories:

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Mask Adaption

- Two-point mask adaption for all established mask models. Adjustable mask attachment.

Light

- Torch adapter on both left and right side to be fit down to both sides on the lower edge of the outer shell. Detachable and horizontally adjustable torch fastener. System must take any common fire torch on the market.
- LED technology, AA or AAA battery driven. Lowest possible weight.

Radio with bone microphone

- 2 optional attachment points positioned over the forehead to the right and to the left.
- Click in quick attachment being part of the head ring for correct surface pressure and proper transmission. No interference with any common face mask. Must fit any common radio equipment.

Goggles

- Primary eye protection certified according to EN166. Polycarbonate lens easy to change.
- Straps with quick release to both sides of the goggle frame.
- Fits glasses and /or provides inserts for prescription lenses. Straps to be attached to the head ring.

Eye protection

- Secondary eye protection according to EN14458, integrated into the helmet system.

Attachment for storage on truck and on belts.

Warranty

Two years from delivery.

February 21, 2012 (8405)

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