For nearly 100 years our passionate mission of safety empowers us, “The Safety Company”, to protect lives. We are committed to providing the latest in innovative, best-in-class safety solutions that feature integrated systems capability and allow our customers to return “Home” safely to their families and friends.

Every day our customers place their lives in our hands. In return, we provide them with protection they can trust, and their stories become our stories. Hand in hand we partner with our customers to earn that trust.

At MSA, Every Life has a Purpose.
We combined your feedback with our history and expertise in fire service head protection to bring you the new Gallet F1 XF.

Gallet history

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1860</td>
<td>Established in Paris, France</td>
</tr>
<tr>
<td>1950</td>
<td>First Aluminum helmets</td>
</tr>
<tr>
<td>1985</td>
<td>Invention of Jet style Fire helmet – F1</td>
</tr>
<tr>
<td>1987</td>
<td>F2 wildland and rescue helmet</td>
</tr>
<tr>
<td>1989</td>
<td>First Composite helmet for French Army</td>
</tr>
<tr>
<td>1997</td>
<td>First Aviation helmets</td>
</tr>
<tr>
<td>2002</td>
<td>MSA acquires CGF-Gallet</td>
</tr>
<tr>
<td>2003</td>
<td>1,000,000th F1 helmet</td>
</tr>
<tr>
<td>2010</td>
<td>25th anniversary of the F1 over 100,000 F1 sold</td>
</tr>
</tbody>
</table>

Cairns history

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1836</td>
<td>Established in New York City, USA</td>
</tr>
<tr>
<td>1845</td>
<td>First Brass Eagle, folding under impact</td>
</tr>
<tr>
<td>1905</td>
<td>First Aluminum helmet: 350 Senator</td>
</tr>
<tr>
<td>1975</td>
<td>First modern-style helmet: 770 Philadelphia</td>
</tr>
<tr>
<td>1983</td>
<td>First high heat, scratch and fog resistant Polyaralyte faceshield lens</td>
</tr>
<tr>
<td>1993</td>
<td>First NFPA compliant leather helmet: N6A Houston</td>
</tr>
<tr>
<td>2000</td>
<td>MSA acquires Cairns HELMETS</td>
</tr>
<tr>
<td>2004</td>
<td>Cairns 1044 and 664 Fire helmets</td>
</tr>
<tr>
<td>2006</td>
<td>First integrated eye protection - Defender</td>
</tr>
</tbody>
</table>

Key facts

- Gallet invented the full coverage, jet style helmet concept
- Gallet helmets are the helmet of choice in more than 80 countries around the world
- Every year, over 2000 firefighters are trained for use, care and maintenance of Gallet helmets
- Cairns is the oldest brand in the North American fire service.
- Cairns invented the fire helmet front piece concept for customization
- Cairns was the first supplier to add impact caps to fire helmets.

Everyday, millions of firefighters around the world rely on MSA helmets to protect their lives and help them rescue others.

Head Protection expertise

MSA is a strong market leader in Fire and Rescue helmets, thanks to:

- A unique, unmatched product design
- An experienced staff of engineers dedicated to head protection
- State-of-the-art manufacturing facilities using latest technologies
- A “never compromise” approach when it comes to safety and quality
- A customer focused approach to capture key needs and ensure optimal and safe use of products

www.MSA-safety.com
Gallet F1 XF’s superior protective performance and integrated light provide the needed visibility to react quickly when lives are on the line.

Gallet F1 XF has a rugged design, comfortable fit, and unmatched protection for reducing stress, and improving decision making when time is critical to safety and success of the mission.

With its extended coverage, unique radiant heat protection, and superior stability, Gallet F1 XF helps maximize efficiency when gaining ground matters the most.

Gallet F1 XF’s superior protective performance and integrated light provide the needed visibility to react quickly when lives are on the line.

The unique design featuring comprehensive head, eye, face and hearing protection, along with integrated lighting and reflective trim, make Gallet F1 XF the ideal solution for vehicle extrication at any time.

Road Traffic Accident
Emergency Responders to accident scenes are exposed to various hazards (explosion, collapse, projectiles and high noise situations) when rescuing victims needing immediate assistance.

Technical Rescue Operations
Unstable ground, environmental or structural hazards, fire, fatigue and other factors are all potential risks that may be encountered during long-lasting technical rescue operations.

Outdoor Fire-fighting
Open-space fires involving vehicles, gas or chemicals expose firemen to extreme temperatures, radiant heat, and explosive or caustic materials for long periods of time.

Structural Fire-fighting
High temperatures, low visibility, falling debris, confined spaces and flashover situations make structural firefighting one of the most dangerous and challenging occupations.

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With its extended coverage, unique radiant heat protection, and superior stability, Gallet F1 XF helps maximize efficiency when gaining ground matters the most.

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The unique design featuring comprehensive head, eye, face and hearing protection, along with integrated lighting and reflective trim, make Gallet F1 XF the ideal solution for vehicle extrication at any time.
Gallet F1 XF Fire Helmet

Adjustable, high performance ocular visor – optimal fit for all faces to prevent injuries
- Ease of manipulation with no interference in the viewing area
- Compatible with corrective spectacles
- Angular adjustment of the ocular visor with adjustable Mechanical stop
- Optical class 1

Unmatched comfort with no pressure points on the head, and padding designed for ease of care and use
- Padded headband, 2 versions (leather and nomex)
- Removable / Washable paddings
- Wearing height adjustment

Robust sizing mechanism allowing for user friendly adjustment while on the head
- Ergonomic Wheel ratchet adjustment
- Large knobs with easy access
- Multiple size increments

Optimal fit for all users profiles (female, large heads, etc) in all operating conditions
- 1 helmet, 2 sizes
- Medium for 52–62 cm
- Large for and 57–65 cm

Short range, integrated lighting for optimal visibility in dark or smoky environments
- Lightweight, integrated lighting module (LED)
- Battery level indicator
- Over 10 hours of continuous operation

Optimal fit for all users profiles
- Unmatched comfort with no pressure points on the head, and padding designed for ease of care and use
- Padded headband, 2 versions (leather and nomex)
- Removable / Washable paddings
- Wearing height adjustment

Ergonomic Wheel ratchet adjustment
- Large knob with easy access
- Multiple size increments

Rear strap setting for enhanced stability
- Bright Yellow color for intuitive adjustments

Adjustment of the wearing position for an optimal comfort and balance for all users profiles
- Angular rear and front adjustments for optimal wearing position
- Rear strap setting for enhanced stability
- Bright Yellow color for intuitive adjustments

Padded headband, 2 versions (leather and nomex)
- Removable / Washable paddings
- Wearing height adjustment

Lightweight, integrated lighting module (LED)
- Battery level indicator
- Over 10 hours of continuous operation
Gallet F1 XF, developed for **Firefighters with Firefighters**

MSA worked one on one with over 200 firefighters in more than 25 countries at different stages of the product development process:
- Definition of key functions and requirements
- Evaluation of technical concepts and prototypes
- Style and design definition and selection
- Functional sample evaluation in real operating and training conditions

High performing and comfortable face protection with clear or gold coating
- Unique sliding mechanism to eliminate interferences
- Extended coverage
- Unique field of vision through the face shield

Optimized care and maintenance procedures, reduced cost of ownership and safer use
- Modular design with 2 separate modules
- Shortest full inspection time
- Easy care and component replacement

Optimal retention and stability on the head, with and without breathing apparatus
- Ergonomic 3 points chinstrap, with padded side straps
- Free pivot point accommodate various chin shape and size
- Quick strap adjustment to accommodate face piece

Unmatched thermal and mechanical protection even in extremely hot conditions
- Extended impact liner with Aramide insert
- Extended side protection for lateral impact protection
- Suspension system for lower force transmission

State-of-the-art integration of helmet mounted headset for easier communication
- Bone conduction headset with self adjustment
- Adjustable neckswan microphone with parking position
- One or two loudspeaker for comfort of hearing

Unique customization capabilities with interchangeable front plate and personalized badges
- Various front plates colors and designs
- Metal badge with multiple colors
- Logo printing area for tampography identification

MSA safety.

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Options and Accessories

Ocular Visor
Retractable Eye protection visor with incredible field of vision.
• Unique, dual pivot adjustment system for optimal comfort on all head sizes and face shapes, with two integrated handling areas for easy grip
• Plug and Play concept for quick helmet upgrade or component replacement

Neck curtains
Extension of the helmet protection through ergonomic neck curtains, with unique clicking concept for easy installation and washing.
• Rear coverage models (Aluminized fabric or Nomex)
• Integral, hood type (wool and Nomex)

Integrated lighting module
Unique, fully integrated lighting module, with no extra volume, minimum weight and perfect balance for safe navigation in dark and smoky environments.
• Ergonomic on/off switch and battery level flashing indicator
• ATEX approval, with disposable or rechargeable AAA batteries

Integrated Communication and hearing protection
Integrated communication headsets to connect to long range radios
• Selection of one or two speakers, with or without hearing protection
• Bone conduction version with optimal integration in the headband
• Boom microphone with length adjustment and parking position under the shell
• Push-to-Talk (PTT) Interface for over 100 models of radios
• Bone conductive version with optimal integration in the headband

Other Options and accessories
• Lamp bracket for helmet mounted flashlight attachment
• Customized front plate with metal badge, molded or printed logo

Technical characteristics

Gallet F1 XF Helmet

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight [basic configuration]</th>
<th>Cols.</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>52-62 cm</td>
<td>1410 g (± 30 g)</td>
<td>White, Yellow, Red, Black, Hi-Viz Yellow, Hi-Viz Orange, Grey, Blue, Green, Photoluminescent.</td>
<td></td>
</tr>
<tr>
<td>57-65 cm</td>
<td>1550 g (± 30 g)</td>
<td></td>
<td>CE marking according to EN14458 “High performance visors” – Face guard</td>
</tr>
</tbody>
</table>

Material (shell): High Temperature Thermoplastic material, injection molded
Material (impact layer): Shock absorbing polyurethane foam, with over molded acrylic reinforcement
Chinstrap: 3 points, adjustable chinstrap with release buckle
Interior: flame resistant, padded headband and chinstrap covers, made of Nomex or Leather
Face shield: Clear or gold coated face guard visor
Face shield approvals: CE marking according to EN14458 “High performance visors” – Face guard

Options and accessories

Rear coverage models (Aluminized fabric or Nomex)
ATEX approved models for use with ATEX approved long range radios
Push-to-Talk (PTT) Interface for over 100 models of radios
Boom microphone with length adjustment and parking position under the shell
Bone conductive version with optimal integration in the headband
Integral, hood type (wool and Nomex)
Selection of one or two speakers, with or without hearing protection

Product References
Gallet F1 XF uses a configurable part numbering system for an optimal selection of the best suited configuration.

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