



## Trust & Durability

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.**



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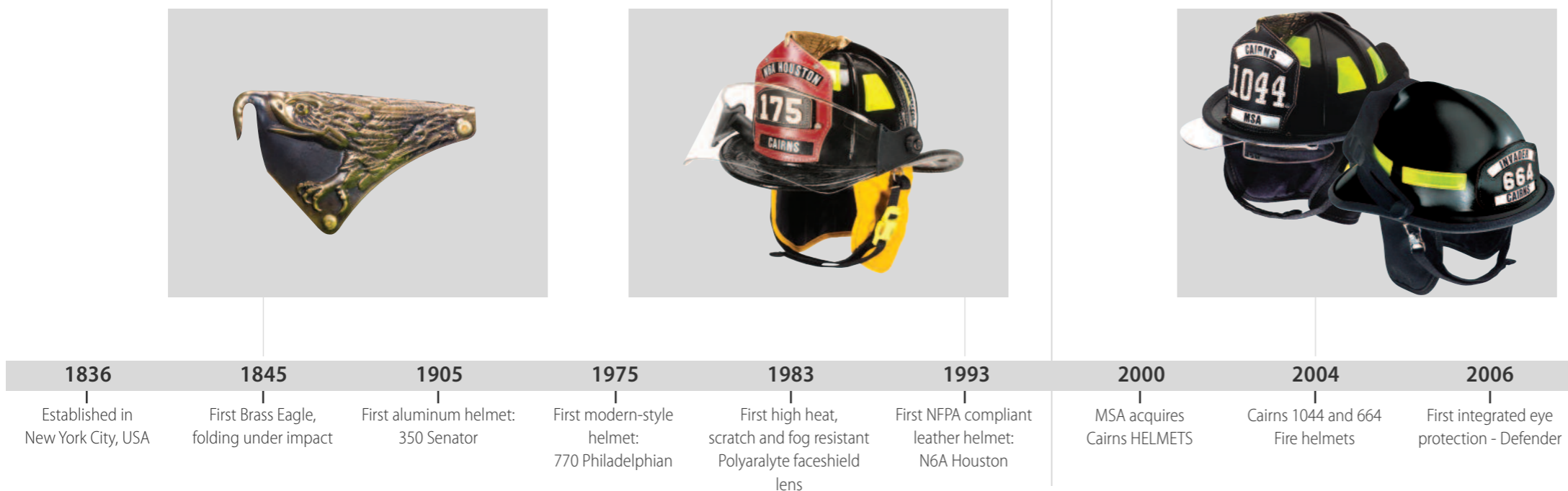
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We combined your feedback with our history and expertise in fire service head protection to bring you the new Gallet F1 XF.

**Gallet history**



**Cairns history**



**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 fire fighters 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





### 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.

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.



### 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.

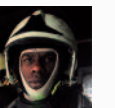
With its extended coverage, unique radiant heat protection, and superior stability, Gallet F1 XF helps maximize efficiency when gaining ground matters the most.



### 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.

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



### 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.

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



**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



**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



**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



**Robust sizing mechanism allowing for user friendly adjustment while on the head**

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



**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



**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

## 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 conductive 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

## 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 conductive 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
- ATEX approved models for use with ATEX approved long range radios



### 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	
Size	Size M: 52–62 cm/Size L: 57–65 cm Head sizes between 58 and 62 should select the best suited size through fitting test
Weight (basic configuration)	Size M – 1450 g (± 30 g)/Size L – 1550 g (± 30 g)
Colours	White, Yellow, Red, Black, Hi-Viz Yellow, Hi-Viz Orange, Grey, Blue, Green, Photoluminescent
Approvals	CE Marking according to EN443:2008 "Helmets for fire-fighting in buildings and other structures" Type B – Full coverage shell Optional requirements: C – Resistance to chemicals/–30 °C (***) – Very low temperatures/3b – Coverage of front area 3b (through face shield)/E2 – Wet helmet insulation/E3 – Surface insulation (depending on front plate model)
Material (shell)	High Temperature Thermoplastic material, injection molded
Material (impact liner)	Shock absorbing polyurethane foam, with over molded aramide 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 material	Coated thermoplastic material, high temperature performance
Face shield approvals	CE marking according to EN14458 "High performance visors" – Face guard Optional requirements/Use for Fire-fighting/N – Antifog/K – Antiscratch/Ω – Electrical properties (Surface insulation)

Ocular Visor	
Material	Clear Polycarbonate
Weight	100 g ± 10 g
Approvals	EN14458 – Eyeguard with following optional requirements/K – Antiscratch/Ω – Electrical properties (Surface insulation)/T – Extreme of Temperatures (–30 °/+120 °C)/UV Filter to EN170 (2–1.2)

Neck curtains	
Material	Aluminized fabric, Impregnated nomex or wool/nomex complex
Weight	90 g (neck only) to 150 g (integral)
Approvals	Tested to radiant heat, flame engulfment, molten metals and chemical splashes (EN443:2008 – area 3a)

Integrated lighting module	
Weight	100 g ± 10 g
Light source	4 white LEDs with optimal short range coverage
Batteries	3x AAA batteries (disposable or rechargeable)
Approvals	CE marking with ATEX approval (Gas and Dust)/2G Ga Ex ia IIC T4/T3 – 2D Da Ex iaD 20 IP56

## Product References

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

Helmet Type	Size	Face shield	Ocular Visor	Interior type	User instructions	Neckcurtain	Communication accessories	Traceability	Lighting	Stickers	Other options	Shell	Front plate
X.F1.XF.EN443	M.Medium L.Large	1. Clear 2. Metal coated	0. None 1. Clear visor	1. Textile 2. Leather	Selection of several sets of languages. Consult MSA	0. None 1. Aluminized 2. Integral (Wool/nomex) 3. Nomex	Selection of microphone, loudspeakers and hearing protection. Please consult MSA	Selection of customized labels or transponders. Consult MSA	0. None 1. Integrated lighting module 2. Lamp bracket	0. None 1. White 2. Yellow 3. Red	Selection of available options (carrying bag, etc.). Consult MSA	Color selection	Model and color. Consult MSA