

## GALLET **FIXF**

### The most iconic firefighter helmet, fully “recharged”: the GALLET FIXF.

Worn by millions of firefighters around the world, generations of F1 helmets have saved lives since 1985.

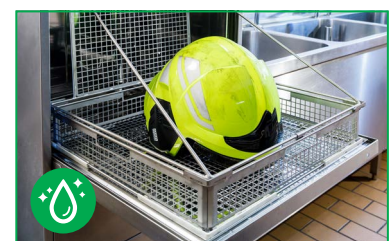
MSA has never stopped innovating and continuing to improve this revolutionary helmet design. Developed and improved for firefighters, with firefighters, the GALLET FIXF brings to life commitment to safety and innovation - thanks to technical evolutions such as:

- ✔ **New design of the ratchet knob and chinstrap**
- ✔ **Neck curtain with pass-through slot for knob and easy access from the outside, whilst keeping it safe from heat, flame, and impact hazards**
- ✔ **Optional crown pad for increased comfort, enhanced hygiene and post-incident cleaning**









## MAJOR IMPROVEMENTS

- ✔ **Evolution of the GALLET FIXF internal components**
  - New external ratchet knob design (3-point shape) and chinstrap (rear guide loops), offering a better grip and an easier adjustment with gloves when the helmet is on the head
  - New nape neck curtain with pass-through design to enable ratchet to be located outside, with yellow attachment rail for fast and easy attachment inside the helmet
  - New interior soft goods design (leather or textile) with optional, easy to remove crown pad to enhance hygiene and facilitate cleaning
- ✔ **Integrated lighting module - LIXF**
  - Two power modes: “standard” and “boost”, up to 120 lumens
  - Boost mode 4 times more powerful than previous LED module
  - Bigger switch button for easy access to each mode, especially when wearing gloves
- ✔ **Enhanced cleaning features to adapt fire and rescue services evolving needs**
  - Tested for complete cleaning in a fixed-basket washing machine
  - All internal parts easily and quickly disassembled with no tools
  - New cleaning care kits available in leather/textile (bundled in laundry bag)
  - Tested for drying, decontamination and disinfection in Ozone cabinets
- ✔ **Edge Protection**
  - Edge protection available as an option, offering a brand new style to the helmet.
  - Excellent shock and thermal resistance for a long service life.



## Technical Specifications

Headset	
Type	Type B model as per EN443 standard – Full coverage shell (below ear level)
Sizes	<p><b>M</b> : 52-62 cm</p> <p><b>L</b> : 57-65 cm</p> <p><b>Small head pad:</b> ≤52cm (GA1138)</p>
Weight (helmet with face shield, without option)	<p><b>M</b> : 1450 g (± 30g)</p> <p><b>L</b> : 1580 g (± 30g)</p>
Range of colours	<ul style="list-style-type: none"> <li>• Standard: white, yellow, red, black, grey, blue, green, metalized (chrome)</li> <li>• High Visibility:                             <ul style="list-style-type: none"> <li>– Hi-Viz Yellow &amp; Photoluminescent</li> <li>– Hi-Viz Orange &amp; Photoluminescent</li> <li>– Hi-Viz Standard Photoluminescent</li> </ul> </li> <li>• Comb: black comb available - other comb colours available on request</li> </ul>  
Material	<ul style="list-style-type: none"> <li>• Shell: High-temperature thermoplastics</li> <li>• Webbing: Fire retardant, modacrylic/cotton blend + polyamide</li> <li>• Paddings (textile): Viscose/Aramid</li> </ul>
Certification and Approvals	<p>CE marking according to Regulation (EU) 2016/425</p> <p><b>EN443:2008</b> - Helmets for firefighting in buildings and other structures</p> <p><b>EN16471:2014</b> - Helmets for firefighting in natural areas</p> <p><b>EN16473:2014</b> - Helmets for technical rescue</p> <p><b>Electrically insulated</b> for use on low voltage installations according to EN50365:2002</p> <p><b>Optional requirements:</b></p> <p><b>C</b> - Resistance to chemicals</p> <p><b>Very low temperatures:</b> -30°C (***)</p> <p><b>3b</b> - Frontal area coverage 3b (through the face shield)</p> <p><b>E2</b> - Wet helmet insulation</p> <p><b>E3</b> - Surface insulation</p> <p>MED/SOLAS (Wheelmark) for use on ships - marking on request</p>
Customization	<ul style="list-style-type: none"> <li>• Retroreflective stickers: Different shapes and colors (yellow, red, silver, blue, green), with or without marking</li> <li>• Front plate: Pad printed, embossed and metal badge.</li> </ul> <p>Those options can be combined</p>    

## Technical Specifications










<p><b>Face shield</b></p>	<ul style="list-style-type: none"> <li>✔ Clear and metalised version</li> <li>✔ Full face and chin coverage</li> </ul>	
<p><b>Certification and Approvals</b></p>	<p><b>EN14458:2018</b> - High performance visors                  Protection against electrical hazards/flash arc according to <b>GS-ET-29</b> (class 1)                  Optional requirements:</p> <p>Resistance to medium energy impact (120 m/s)                  Temperature range: -30°/+60°C                  High optical class (class 1)  <b>K</b> - Abrasion resistance  <b>N</b> - Fog resistance  <b>E1, E3</b> - Electrical properties (surface insulation)                  Radiant heat protection : R1                  UV filter (according to EN170)                  Gold version: 2C-2                  Clear version: 2C-1.2</p>	
<p><b>Ocular Visor</b></p>	<ul style="list-style-type: none"> <li>✔ Clear and tinted version</li> <li>✔ Adjustable fit on the face (MSA dual pivot patented system)</li> <li>✔ Compatible with corrective eyewear</li> <li>✔ Easy grip with integrated grip zones on the left and right</li> </ul>	
<p><b>Weight</b></p>	<p>100g +/- 10g</p>	
<p><b>Certification and Approvals</b></p>	<p><b>EN14458:2018</b> - High performance visors                  Anti-scratch coating                  Made of polycarbonate, high optical class (class 1)                  Clear version: UV filter 2-1.2 (according to EN170)                  Tinted version: sun glare filter 5-3.1 (according to EN172)                  Optional requirements:  <b>E1, E3</b> - Electrical properties (surface insulation)  <b>T</b> - Medium energy impact resistance (120 m/s) at extreme temperatures</p>	
<p><b>Helmet Mask Combination (HMC)</b></p>	<ul style="list-style-type: none"> <li>✔ Adjustable face mask “kitfix” adapters, located on each side of the helmet</li> <li>✔ Full face masks can be attached directly to the helmet</li> </ul> <p>Available in two versions :</p> <ul style="list-style-type: none"> <li>• Standard kitfix for compatibility with MSA full face masks (G1, Ultra Elite, 3S)</li> <li>• PN kitfix for compatibility with MSA and other brands full face masks (Dräger Panorama Nova, FPS7000, ...)</li> </ul>	

## Technical Specifications

Options and Accessories		
<b>Edge Protection</b>	<ul style="list-style-type: none"> <li>✔ Edge protection to reinforce the helmet shell</li> <li>✔ High-performance materials for excellent shock and thermal resistance</li> </ul>	
<b>Features and benefits</b>	<ul style="list-style-type: none"> <li>• Material: thermoplastics with glass fibre</li> <li>• Colour: Black</li> <li>• Weight: 95g</li> </ul>	
<b>Neck Curtains</b>	<ul style="list-style-type: none"> <li>✔ Variety of models</li> <li>✔ Fastened with yellow clips for easy assembly and disassembly</li> </ul>	
<b>Material and Weight</b>	<p><b>Nape versions :</b></p> <ul style="list-style-type: none"> <li>• Aramid multi-layer, pass-through design: 46g</li> <li>• Aramid multi-layer, standard model: 55g</li> <li>• Wool/aramid, pass-through design: 75g</li> <li>• Wool/aramid, standard model: 80g</li> <li>• Aluminized 3 layers, glass fibre reinforced material: 100g</li> </ul> <p><b>Integral versions :</b></p> <ul style="list-style-type: none"> <li>• Wool/aramid: 175g</li> <li>• Aramid multi-layer : 180g</li> </ul> <p>For neck curtains cleaning instructions, please refer to our FIXF Cleaning Guidelines document.</p>	
<b>Crown Pad</b>	<ul style="list-style-type: none"> <li>✔ Improved crown comfort and cleanability with easy removal (textile/leather) or in-helmet wiping (leather)</li> <li>✔ Can be ordered in ATO with chinstrap option</li> <li>✔ Also bundled with FIXF Cleaning Care Kits</li> </ul>	
<b>Features and benefits</b>	<ul style="list-style-type: none"> <li>• Improves comfort and cleanability by limiting the head contact with suspension straps</li> <li>• Easy assembly/disassembly using matching yellow velcros</li> <li>• Available in leather or textile - optional</li> </ul>	
<b>Integrated lighting LIXF</b>	<ul style="list-style-type: none"> <li>✔ LEDs on both sides (latest generation)</li> <li>✔ Proximity lighting with high penetration performance</li> </ul>	
<b>Weight</b>	110g ± 10g (including batteries)	
<b>Batteries</b>	3 AAA, disposable (alkaline or lithium) or rechargeable	
<b>Performance</b>	<ul style="list-style-type: none"> <li>• Standard mode: <b>25 lumens, 10 hours</b></li> <li>• Boost mode: <b>120 lumens, 3 hours</b></li> <li>• Low battery mode: <b>up to 5 hours</b></li> <li>• Reserve mode indicator</li> </ul>	
<b>Approvals</b>	CE marking according to ATEX directive - II 2G Ga Ex ia IIC T4/T3	
<b>Protection class</b>	IP54	
<b>External helmet-mounted lamp</b>	<ul style="list-style-type: none"> <li>✔ Helmet mounted for use with MSA fire helmets</li> <li>✔ Optional lamp holder with multiple angle positions and anti-ejection design</li> <li>✔ Left and right mounting options</li> <li>✔ See individual datasheets for more information.</li> </ul>	
<b>Batteries</b>	<ul style="list-style-type: none"> <li>• XPS LED: 3 AA disposable batteries</li> <li>• XP LED: 4 AA disposable batteries</li> <li>• XS LED: 4 LR44 batteries</li> <li>• AS-R LED: Li-Ion rechargeable battery</li> </ul>	

## Ordering Information

ATO GALLET FIXF configurator on request.

Reference	Description
<b>Lighting solutions</b>	
GA1484	Lighting module LIXF 
GA1464	XP LED Lamp
GA1488	XPS lamp
GA1481	AS-R lamp
GA1466	XS lamp
<b>Neck Curtains</b>	
GA1116F	FIXF Aluminized nape neck curtain, 3 layers
GA1116D	FIXF Wool/aramid nape neck curtain, standard
GA1116H	FIXF Wool/aramid nape with pass-through design 
GA1116K	FIXF Multi-layer aramid neck curtain with pass-through design 
GA1116J	FIXF Multi-layer aramid neck curtain, standard 
GA1116B-M / GA1116B-L	FIXF Integral wool/aramid neck curtain
GA1116E-M / GA1116E-L	FIXF Integral aramid neck curtain 
<b>Face shields and Ocular visors</b>	
GA1087D	FIXF Ocular Visor, EN14458:2018, clear version
GA1087A	FIXF Ocular Visor, EN14458:2004, clear version
GA1087B	FIXF Ocular Visor, EN14458:2004, Tinted version
GA1086A	FIXF Face shield, EN14458:2018 clear
GA1086B	FIXF Face shield, EN14458:2018 gold/metalized
<b>FIXF Accessories</b>	
GA1129A / GA1129B	FIXF paddings (rear/front) (A: textile / B: leather)
GA1177	FIXF textile crown pad 
GA1176	FIXF leather crown pad 
GA1485D / GA1485G	FIXF lamp holder (R: right / L: left)
GA1382	Protective bag for helmet
GA1138	Small head pad
GA1096	Chinstrap buckle (x10)
GA1137-M / GA1137-L	FIXF Aluminized Helmet Cover, size M or L
<b>FIXF Cleaning Care Kits</b>	
GA1134	Leather Cleaning care kit (bundled in mesh laundry bag + leather chinstrap + leather crown pad + leather front/rear interior soft goods) 
GA1135	Textile Cleaning care kit (bundled in mesh laundry bag + textile chinstrap + textile crown pad + textile front/rear interior soft goods) 

More information about GALLET FIXF communication headsets and hearing protection solutions is available upon request.

 INNOVATION / New Feature