

GALLET® F1® Fire Helmet

Technical Datasheet



*Designed to fit a diverse range of head sizes, the GALLET F1 Fire Helmet combines advanced safety features—**extended impact liner, face shield, and shell coverage**—with excellent comfort and balance, even when accessorized. Innovative accessories such as the L360 integrated lighting, Com'One communication headset, and patented dual-pivot ocular visor deliver high-performance functionality in every mission.*

Protective. Intuitive. Inclusive.

- GALLET F1 Helmet has been designed to fit **a large range of head sizes**, thanks to the availability of an optional smaller cradle in addition to a standard cradle for each helmet.
- Unique cradle system allows for a tool-free, easy removal and installation, enabling **quick cleaning and maintenance**.
- **Firefighter safety is prioritized** via an extended: impact liner, face shield, and shell coverage.
- Firefighter comfort and ergonomics is prioritized via optimal balance, even with accessories.
- High-performing accessories:
 - **L360 Lighting Module** with Spot, Proximity and Talk modes. Integrated with the helmet in a way that supports the overall balance.
 - **Com'One Headset** that seamlessly integrates with the helmet and enables reliable communication in critical situations.
 - Patented **Ocular Visor** with a Dual-Pivot mechanism that enables depth adjustment to fit a user's unique face shape.

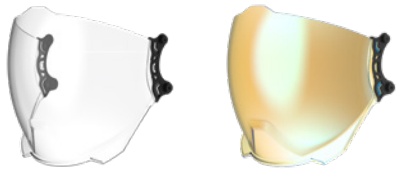
WHEN YOU GO IN, WE GO IN WITH YOU.

Technical Product Specifications

Helmet

TYPE	Type B model as per EN443 standard – Full coverage shell
SIZES	Standard cradle S-M-L: 52 - 65 cm Smaller cradle XS-S: 48 - 54 cm
WEIGHT	1580 g (± 30g) (helmet with face shield, without option)
RANGE OF COLOURS	 Standard: white, yellow, red, black, grey, green, metalized (chrome), metallic blue Daytime and Nighttime visibility: - Fluo yellow & photoluminescent - Fluo orange & photoluminescent - Photoluminescent
MATERIAL	High-temperature thermoplastics Webbing: Fire retardant, modacrylic/cotton blend + polyester Paddings (textile): Viscose/aramid
CERTIFICATION AND APPROVALS	CE marking according to Regulation (EU) 2016/425 EN443:2008 - Helmets for firefighting in buildings and other structures EN16471:2014 - Helmets for wildland fire fighting EN16473:2014 - Helmets for technical rescue MED/MER for use on ships Tested according to EN50365:2023 - electrically insulating helmets for use on low and medium voltage installations Tested according to IEC 62819 (APC 1) Protection against electrical hazards / arc flash Optional requirements: C - Chemical resistance Very low temperatures: -30°C (***) 3b - Frontal area coverage 3b (through the face shield) E2 - Wet helmet insulation E3 - Surface insulation: Helmet marked E3 except when configured with metalized front plate & front plate with metal badge

Face Shield

FEATURES	 • Clear or metallized • Full face and chin coverage 20cm
CERTIFICATION AND APPROVALS	EN14458:2018 - High performance visors Optional requirements: BT - Resistance to medium energy impact (120 m/s) Temperature range: -30°/+60°C High optical class (class 1) K: Abrasion resistance N: Fog resistance E1, E3: Electrical properties (surface insulation) R1: Radiant heat protection UV filter: • Metallized face shield: 2C-2,5 • Clear face shield: 2C-1,2

Ocular Visor

FEATURES	 • Clear or Tinted • Adjustable fit on the face (MSA dual pivot patented system) • Compatible with corrective eyewear • Easy grip with integrated grip zones on the left and right
WEIGHT	130g +/- 10g
CERTIFICATION AND APPROVALS	EN14458:2018 - High performance visors Anti-scratch and anti-fog coating on both sides Made of polycarbonate, high optical class (class 1) Clear ocular visor: UV filter 2C-1,2 Tinted ocular visor: Sun glare filter 5-3,1 Optional Requirements: E1, E3 - Electrical properties (surface insulation) BT: Medium energy impact resistance (120 m/s) at extreme temperatures (-30°C, +60°C) K: resistance to damage by fine particles N: resistance to fogging

Options and Accessories

Neck Curtain

FEATURES	 • Fastened with yellow clips for easy assembly and disassembly • Certified according to EN443:2008 requirements • 100 Oeko-Tex(R) certified • Additional performance: – Sweat Resistance (ISO 105-E04) – Washing Resistance (ISO105-C06) – Tensile and tear strengths (ISO13934-1 & ISO13937-2) – Colourfastness to Water (ISO105-E01)
MATERIAL AND WEIGHT	Nape multi-layer aramid: weight 53g, length 18cm Integral multi-layer aramid: weight 185g, length 25cm • Layer 1 (external): 98% Aramid / 2% Antistatic Polyamid • Layer 2 (in between layer 1 & 4): 100% Aramid • Layer 3 (in between layer 1 & 4): 100% Aramid • Layer 4 (Internal) : 75% Aramid / 25% Flame Retardant Viscose. Thread: Flame retardant Nomex® For neck curtains cleaning instructions, please refer to our Cleaning & Decontamination Guidelines.

External Helmet Mounted Lamp

FEATURES	 • Helmet mounted for use with MSA fire helmets • Optional lamp holder with multiple angle positions and anti-ejection design • Left and right mounting options • See individual datasheets for more information
BATTERIES	• XPS: 3 AA disposable batteries • XP LED: 4 AA disposable batteries • XS: 4 LR44 batteries • AS-R: Li-ion rechargeable battery • XP-R1: Li-ion rechargeable battery

Mask Helmet Combination (MHC)

FEATURES	 • Adjustable face mask "kitfix" adapters in 3 positions, located on each side of the helmet • Full face masks can be attached directly to the helmet • Patented secured design • Compatibility with MSA and other brands full face masks
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Customization

CUSTOMIZATION	  • Retroreflective stickers: – Microprismatic (silver, fluo yellow) – Microbead (silver, fluo yellow or red/ orange) – Viz-lite Rear (glow-in-the-dark) All these options are available in Sides / Rear for 360° visibility or Rear only for Viz-lite Digital printing option • Front plate: embossed, digital printing or metal badge • Role insignia/Rank Marking Those options can be combined
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Integrated Lighting Module L360

FEATURES	 • LEDs on both sides help maintain overall helmet balance • Proximity and spot lighting with high penetration performance • Talk Mode to prevent blinding fellow firefighters or casualties on the scene • Tail light ("buddy light"), with three colours (red, blue, green) available to toggle, and aid in accountability • Integrated into the helmet to avoid snagging hazards • Integrated into the lower half of the helmet to keep the Center of Gravity low, further helping maintain overall helmet balance
WEIGHT	300g ± 10g (including batteries)

BATTERIES AND CHARGERS	 • GA1906  • GA1905  • GA1904 • GA1903 Rechargeable Li-Ion Battery recharge time from empty: up to 5 hours L360 battery expected charge cycles: 250 cycles
PERFORMANCE	• Spot mode: Performance 180 lumens (1700 lux). Autonomy 3h • Proximity mode: Performance 265 lumens (240 lux). Autonomy 8h • Talk mode: Performance 7 lumens (9 lux). Autonomy >48h • Reserve Mode with low battery warning • Battery level indicator
APPROVALS	CE marking according to ATEX directive - II 2 G Ex ib IIC T4 Gb ExV 24ATEX 1909X IECEx ExV 24.0047X IP67
	For L360 cleaning instructions, please refer to our Cleaning & Decontamination Guidelines.



Tail light in action: Red, Blue, Green

Com'One Headset for GALLET F1 Helmet



Designed for seamless integration with the GALLET F1 helmet, the Com'One Headset delivers exceptional voice transmission and crystal-clear reception, enabling reliable communication in critical situations. Its lightweight, ambidextrous design allows for mounting on either side of the helmet, while the intuitive plug-and-play functionality—powered directly by the radio—eliminates the need for batteries. With easy attachment to the GALLET F1, effortless cleaning, and quick interchangeability between users, the Com'One Headset offers a low-maintenance, cost-effective solution for professionals who demand performance and durability.



Helmet Voice Communication Solution

- Exceptional voice transmission and excellent reception of incoming messages
- Mountable on the right or left helmet side
- Easy attachment to the GALLET F1
- Easy interchangeability between users
- Low weight
- Easy cleaning
- Low cost of ownership
- No battery (powered by the radio), plug and play operation

Com'One Headset for GALLET F1 Helmet

Technical Specifications

Specification	Description
STANDARDS	IEC 60079-0:2017 IEC 60079-11:2023
PROTECTION CLASS	IP67
INTRINSIC SAFETY	ATEX marking: II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135 °C Db IECEX marking: Ex ib IIC T4 Gb Ex ib IIIC T135 °C Db
OPERATING TEMPERATURE	-30°C to +65°C
WEIGHT	105g ± 5g (with adaptor)
COLOUR	Black (Yellow release button)
DIMENSIONS	Total (with boom microphone): 235mm x 70mm x 15mm Boom microphone: 150mm long Nexus plug connector cable: 210mm (coiled section: 75mm)
MATERIAL	Housing & mic housing: Reinforced PA Cable: TPU
LOUDSPEAKER	Impedance: 32 ohms Frequency range: 600Hz - 4000Hz Max power: 500mW Sensitivity: 96 dBSPL (1kHz, 1 Vrms, 50mm)
INSTALLATION	Right or left side of GALLET F1 helmet, no tools needed Integrated Nexus sheath for plug storage
ATEX ACCESSORIES COMPATIBILITIES	Check interface compatibility with PTT/RSM in one of the following manners: A. Compare Headset maximum allowed input parameters to the PTT/RSM output parameters. 1. The following Headset interface values must be greater than or equal to PTT/RSM interface values: • IIIC Environments: Ui=10V Ii=250mA Pi=680mW • IIC Environments: Ui=10V Ii=1,2A Pi=1,1W 2. The following Headset interface values must be lower than PTT/RSM interface values: Li=156µH Ci=negligible or B. Check PTT/RSM safety guide, user manual, certificate, or other customer document. or C. See separate statement of compatibility.

Connection Plug Wiring Diagram

Unbalanced: 3 poles wired and common ground for speaker and microphone > HANDYCOM wiring / SAVOX wiring (most cases)

4 pin connection plug wiring diagram	
Pole	Unbalanced
1	MICROPHONE - / SPEAKER -
2	MICROPHONE +
3	Not used
4	SPEAKER +

Ordering Information

The Com'One headset can only be mounted on the GALLET F1 helmet, on left or on right side.



There are 2 ways to order the Com'One headset for a GALLET F1 helmet:

- 1) Ordered along with a GALLET F1. The helmet will be delivered with mounted adaptors (left and right) and the Com'One in a separate box
- 2) Ordered as an accessory to retrofit a GALLET F1, thanks to Com'One adaptors.

ORDERED ALONG WITH THE GALLET F1

Option '1' under 'Communication' selection on the Helmet ATO Configurator

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Accessories Ordering Information

Part Number	Description
LIGHTING SOLUTIONS	
GA1902	Integrated lighting L360 (charger not included)
GA1903	L360 Battery pack
GA1904	L360 Individual charger (AC/USB adaptor with plugs not included)
GA1905	L360 Multiple charger (for 6 battery packs) incl. adaptor with plugs
GA1906	AC/USB Adaptor with plugs
GA1464	XP LED Lamp
GA1488	XPS lamp
GA1415	XP-R1 lamp
GA1481	AS-R lamp
GA1466	XS lamp
GA1912-R1	Lamp bracket right side
GA1912-L1	Lamp bracket left side
COMMUNICATION SOLUTIONS	
GA1909	Com'One headset (without adaptors)
GA1910	Com'One left (x5) and right (x5) GALLET F1 adaptors
OCULAR VISOR	
GA1901A	Clear ocular visor
GA1901B	Tinted ocular visor
NECK CURTAIN	
GA1907A	Nape neck curtain aramid

Part Number	Description
GA1907B	Integral neck curtain aramid
OTHER ACCESSORIES	
GA1915	Stowage pouch (x10)
GA1914	Helmet cover aramid (x5)
CLEANING CARE	
GA1173	Mesh laundry bag
INVENTORY MANAGEMENT	
10149728	RFID Transponder Rd 16mm 13.56 MHz
RETROREFLECTIVE STICKERS	
GA1908-00	Sticker textile silver REAR (x5)
GA1908-01	Sticker textile fluo yellow REAR (x5)
GA1908-02	Sticker textile Red/Orange REAR (x5)
GA1908-06	Sticker prismatic silver REAR (x5)
GA1908-07	Sticker prismatic fluo yellow REAR (x5)
GA1930-00	Stickers textile silver SIDES (x5)
GA1930-01	Stickers textile fluo yellow SIDES (x5)
GA1930-02	Stickers textile Red/Orange SIDES (x5)
GA1930-06	Stickers prismatic silver SIDES (x5)
GA1930-07	Stickers prismatic fluo yellow SIDES (x5)
GA1931	Sticker Viz-lite rear GF1 (x5)



Spare parts ordering information is available in the [GALLET F1 user manual](#).



Warranty Information

MSA warrants the GALLET® F1® Fire Helmet ("GALLET F1 Helmet") to be free from defects in materials and/or faulty workmanship for a period of ten (10) years from invoice date by MSA. For further information, please refer to the GALLET F1 Warranty Terms document.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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