

F2 X-TREM for wildland firefighting and for technical rescues: Triple certified!

MSA, more than 30 years of experience in fire helmets



MSA is the undisputed market leader for firefighting helmets, with the following two types of helmets designed and manufactured in France – the Gallet F1 XF structural firefighting helmet and the **F2 X-TREM** helmet for wildland firefighting and for technical rescues. MSA has almost 30 years of expertise in and experience of the concerns and requirements of firefighters working in these areas: The original F2 was introduced in 1987 and was followed over the years by several subsequent generations.

The new generation F2 X-TREM: A TRIPLE certified helmet!

The **F2 X-TREM** is available in a new enhanced version complying with the new standards EN 16471 / EN 16473. In addition to being certified according to EN 16471 and EN 16473, the vented version also remains certified in accordance with EN 12492: **Compliance with three standards by one helmet!** The unvented version will be certified according to EN 16471 and EN 16473, as EN 12492 requires the presence of ventilation holes.



Best-in-class for comfort & fit

The **F2 X-TREM** helmet offers the optimal balance for increased comfort during long operations. It is the lightest multi-purpose and multi-standard helmet on the market. Its patented quick-adjustment ratchet system increases head stability even with gloves on. Wearers will also notice the new 3-point chin strap with simpler adjustment and a release loop to avoid the risk of strangulation during a fall, for instance. This chin strap complies with the requirements of the 3 standards.

Modularity & system certification

The **F2 X-TREM** is at the heart of a real system of head protection with many options and accessories available, such as hearing protection, eye protection, face protection, high visibility stickers, lamp bracket & lamp, neck protection and communications accessories. All these accessories are tested and certified with the helmet as part of the EN 16471 / EN 16473 certification,

proving and guaranteeing their flame resistance. Within this complete range of accessories, the Responder Goggles offer advanced eye protection against a multitude of hazards, such as impact, liquid splashes, smoke, heat, hot solids, dust, wind and UV radiation. They provide optimal comfort with the F2X-TREM helmet, even during long operations and are certified according to EN 166, the only European standard under which goggles can be certified.

At the cutting edge of safety

With a shell highly resistant to shocks, exposure to elevated temperatures and chemical attack, the F2 X-TREM offers protection and resistance. Modern technology in conjunction with experience in high-tech head protection also assures the highest quality standards. MSA helmets exceed the standard requirements for various criteria and provide best-in-class resistance and durability.



A multipurpose helmet

The scope of the **Wildland Firefighting (EN 16471)** standard covers protection of the upper head, mainly against the effects of impact, penetration, heat, flame and burning embers, while conducting firefighting and associated activities (e.g. wood cutting) in wildland environments.

The scope of the **Technical Rescue (EN 16473)** standard covers the protection of the upper head, mainly against the effects of mechanical hazards such as impact and penetration, flame, electrical and chemical hazards, during operations such as but not limited to:

- Road traffic collisions, railway incidents (e.g. extrication)
- Working in and around collapsed structures
- Natural disasters (flood, earthquakes etc.)
- Accidents with hazardous materials (e.g. for use under a chemical protective suit)
- First aid/ambulance operations, law enforcement



The scope of the **Helmets for mountaineers standard (EN 12492)** covers the protection of the upper part of a wearer's head against hazards which may occur during activities carried out at height or in the mountains. This covers operations such as high-angle or mountain rescue.

A global success

Several hundred thousand firefighters rely on protection from the **F2 X-TREM** helmet for their toughest operations, including the Singapore Fire & Rescue Brigade, London Fire Brigade, UK USAR teams, Generalitat de Catalunya, Civil Protection Portugal, all fire brigades in southern France with wildland fire responsibilities and the Paris Fire Brigade (BSPP). Most recently, the Red Cross in France ordered more than 3000 F2-XTREM helmets for their volunteer rescuers.