



ALPHA® 900

Cross-Platform Helmet System



Customized Performance and Protection in a Single, Cost Effective Solution

Adopted by the U.K. MoD, the new ALPHA 900 Cross-Platform Helmet System is the only aircrew helmet platform that supports both fixed and rotary wing applications, reducing the logistics trail for those responsible for supporting both types of aircraft.

CUSTOM CONFIGURATIONS

With its unique modular design, the ALPHA 900 is the only helmet system configurable for fixed wing combat, non-ejection fixed wing, rotary wing, and air-to-sea search and rescue operations. Gentex Corporation's technical personnel will guide you through the configuration process to develop the ideal solution for your specific needs.



Fixed Wing Combat

Configured for safe ejection up to 625 KEAS with locking dual-visor system and oxygen mask compatibility. Based on the Alpha Mk10 fixed wing helmet system flown by the U.K. MoD.



Rotary Wing / Non-Ejection Fixed Wing

Configured with rigid visor cover with NVG mount and optional maxillofacial shield for full facial protection. ANR compatible for high cockpit noise environments.



Search and Rescue (SAR)

A water resistant helmet, optimized for air-to-sea search and rescue operations. Compatible with all major aircraft ICS systems and portable radios. ALPHA SAR helmets are in service throughout Western Europe.

Contact Us

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ALPHA 900

KEY FEATURES

Modern, Lightweight Design; Advanced Performance and Protection

Using an epoxy resin aramid and a carbon fiber shell, the new ALPHA 900 is lighter in weight than prior models, while providing necessary impact and penetration resistance. The lighter weight, plus a new streamlined design, featuring a ratcheting nape strap retention system and tensioning ear shells, provides added stability and comfort for improved aircrew performance, particularly when flying with NVGs or helmet mounted display systems.

Replaces U.K. and other Fielded ALPHA Helmets

The ALPHA 900 replaces the U.K. MoD's Mk4 (rotary) and the Mk10B/C (fast-jet) series of ALPHA helmets; and the 200 (rotary & non-ejection seat fixed wing), 300 (fast-jet), and 800 (SAR) series of ALPHA helmets used by over 65 air forces around the globe.

Modular Design with Qualified Capability Upgrades

The unique modular design of the ALPHA 900 allows you to easily change or add capability upgrades to meet your current and future mission requirements. With its adaptable design, the ALPHA 900 is compatible with a wide range of qualified flightworthy aircraft communication systems, NVGs, ANRs, oxygen masks, laser protective visors and maxillofacial shields, and other helmet system upgrades, all which can be quickly changed or added without impacting the helmet system's protection or performance capability.

Reduced Logistics Trail and Flexible Assets

With a common helmet shell, replaceable and serviceable spare parts, and accessories, maintainers of fixed and rotary wing assets will benefit significantly from a reduced logistics trail. This results in saved time, costs and improved deployment time of assets to aircrew. Common components also allow fleet managers to easily reconfigure helmet systems to support either fixed or rotary wing applications.

KEY SPECIFICATIONS

- 980 gram nominal weight, typical configurations weigh between 1150 and 1400 grams
- Fixed wing configurations certified for up to 625 knot ejection
- Impact levels not to exceed 300G
- Passive noise attenuation of 7 dB at 250 Hz, 35 dB at 2000 Hz, and 38 dB at 8000 Hz

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