



AIRCREW SYSTEMS PRODUCT CATALOG
High Performance Flight Equipment



TRUE SYSTEM LEVEL PERFORMANCE. INDUSTRY LEADING PROTECTION.

With a history of innovation that spans 100 years, Gentex Corporation is the leading supplier of high-performance flight equipment and services for military, law enforcement, and rescue aircrew worldwide. The company's comprehensive line of durable and innovative helmet systems for fixed wing, rotary wing, cross platform, and parachutist and transport applications allow for the easy integration of advanced capability upgrades without sacrificing protection. Backed by industry leading training, service, and support, you're assured to get the most out of your helmet systems. With our Gentex®, ALPHA® and Ops-Core® branded products, you'll get the performance you need with the protection you can count on.

MILITARY PEDIGREE

Designed to meet the evolving challenges of aircrew and the exacting requirements of militaries worldwide, Gentex Corporation has designed and built aircrew helmets conforming to U.S. Military specifications for over 65 years. Our facilities enforce a strict quality management system, recognized by international quality certification bodies, and maintain test and evaluation facilities for impact, ballistic, and environmental resistance to ensure every helmet meets the published performance requirements.

Photos by U.S. Army Spc. Austin Berner and U.S. Air Force Staff Sgt. Austin M. May

For more info visit // www.gentexcorp.com

NEW INNOVATIVE SOLUTIONS

ADVANCING AIRCREW PROTECTION AND PERFORMANCE

Gentex has introduced a portfolio of new solutions to meet the latest challenges faced by aircrew and life support personnel. Some of our newly featured products include the Gentex HGU-56/P Improvement Kit, the Gentex Dazzle Laser Defense Eyewear line, and the ALPHA 900 Cross-Platform Helmet. Learn more about all of our solutions in this catalog and, for more in-depth detail, visit our website at www.gentexcorp.com/aircrew.



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ALPHA 900 Cross-Platform Helmet System

Featuring a modern, lightweight design, this next generation ALPHA helmet designed for the U.K.'s MoD, is the only aircrew helmet platform that supports fixed and rotary wing applications, reducing the logistics trail for those responsible for supporting both helmet platforms.

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Gentex Dazzle Laser Defense Eyewear

Line of laser protective flight-helmet mounted visors and spectacles to combat emerging laser threats that may be encountered by pilots during critical phases of flight.



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Gentex HGU-56/P Improvement Kit

Easily upgrade the Gentex HGU-56/P Rotary Wing Aircrew Helmet with features that provide increased comfort and situational awareness at a fraction of the cost of a new helmet. A stable, lightweight retention system provides enhanced mission endurance when flying with NVGs and other headborne optical equipment.

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FIXED WING

HELMET SYSTEMS

Gentex Corporation is the world-leader in lightweight, high-performance flight helmets for high-G environments, multi-platform aircrafts, and trainers. To learn about Gentex Corporation's integrated respiratory solutions for our fixed wing helmet systems, see page 27.

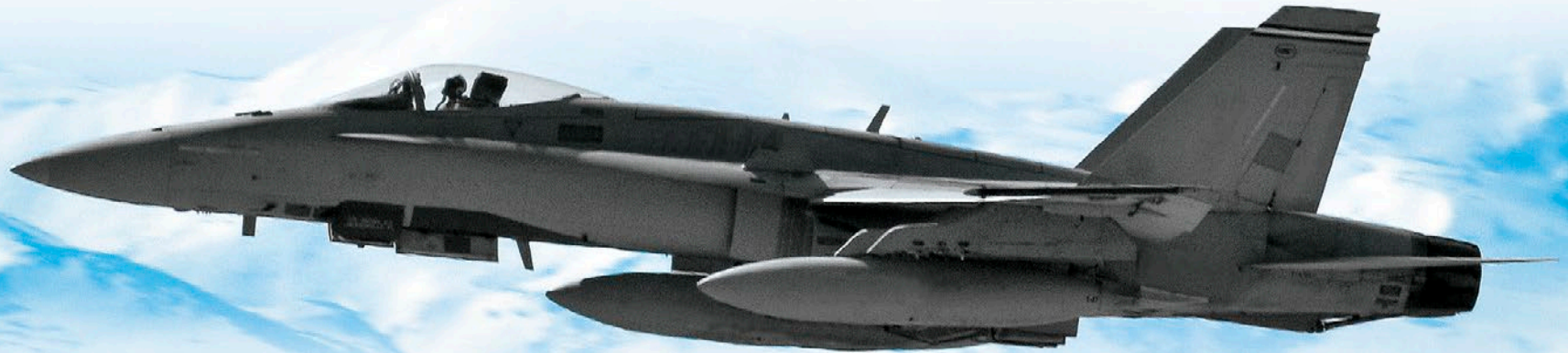


Photo by U.S. Navy Photographer, D. L. "Paul" Farley

GENTEX HGU-55/P

Fixed Wing Helmet System

Standard U.S. Air Force fixed wing helmet with high equipment compatibility

The most versatile fixed wing helmet available today, the HGU-55/P helmet is available in two configurations to suit a full range of mission needs. The lightweight standard version is constructed of a graphite/aramid shell, which reduces head-borne weight and promotes high peripheral vision and head mobility. For high-performance maneuvers up to +9 Gs and to help prevent G-induced loss of consciousness (GLOC), the Gentex Lightweight HGU-55/P COMBAT EDGE configuration is the standard for all U.S. Air Force F-15, F-16, and F-22 aircrew. The advanced system provides pilots with a decisive edge in combat by reducing fatigue, allowing them to perform more high-G missions per day, without compromising performance. The COMBAT EDGE kit utilizes a urethane-coated nylon bladder system that interfaces to the Gentex MBU-20/P Oxygen Mask to provide automatic mask tensioning at high-G.

MIL-SPEC Or Equivalent		MIL-DTL-87174A		Weight In Lbs.
Ejection	Frequency Hz	Attenuation dB		
Up to 600 KEAS	250	7	2.20 (998 g)	
	1000	30		
	2000	36		
	4000	48		
	8000	47		



ALPHA Mk10

Fixed Wing Helmet System

Designed to U.K. MoD requirements featuring a locking dual-visor mechanism

Flown by Air Forces around the world, including the U.K. and Canada, the Mk10 helmet system provides high stability and retention for ejection safety during fixed wing combat operations. The Mk10 features a lightweight aramid/carbon fiber shell and its advanced fitting system creates a stable platform for optical and respiratory accessories, while maintaining comfort and mission endurance. Qualified ANR options are available to enhance noise attenuation, as well as a range of visor options for day and night flight.

MIL-SPEC Or Equivalent		MIL-DTL-87174A		Weight In Lbs.
Ejection	Frequency Hz	Attenuation dB		
Up to 625 KEAS	250	7	2.60 (1179 g)	
	1000	27		
	2000	35		
	4000	41		
	8000	38		



COMPREHENSIVE FIXED WING PORTFOLIO

QUALIFIED FOR AIR FORCES AROUND THE WORLD

Complementing the Gentex HGU-55/P U.S. Air Force standard, Gentex provides a full line of fixed wing helmet systems to meet the broad array of aircrew needs for global air forces.



Gentex HGU-55/IG

Innovative system for Panavia Tornado aircrew provides safe nighttime ejection when flying NVGs. German and Italian Air Force Qualified.



Gentex 190A

Meets HGU-55/P specifications with a mission-configurable, hard-mounted dual visor kit. Built and Qualified for Canadian Air Force.



Gentex Air Combat System

Integrated helmet/mask system for high-G maneuvers in Eurofighter Aircraft. German and Finnish Air Force Qualified.



Gentex HGU-55/G

Hard-mounted visor and mask receiver cover reduces snag hazards during ejection. German Air Force Qualified.



Gentex HGU-55/GTX

600 KEAS safety and unrivaled performance for day and night missions with dual-visors and NVG quick disconnect.



Gentex HGU-68/P

U.S. Navy configured helmet with maximal comfort and peripheral vision. U.S. Navy Qualified.



Gentex HGU-55/PJ

HGU-55/P helmet shell with tracked visor kit for 600 KEAS ejection. Built and Qualified for Japanese Air Force.



Gentex Paramaster HALO/HAHO

Parachutists helmet with various options for eye protection, noise attenuation, communications, and respiratory integration.

ROTARY WING

HELMET SYSTEMS

Sold under the Gentex and ALPHA brands, Gentex Corporation manufactures the widest range of rotary wing helmets designed to provide unparalleled capabilities with exceptional safety.



Photo by U.S. Army Sgt. Roberto Di Giovine, SCNG

GENTEX HGU-56/P

Improved Rotary Wing Helmet System

Standard U.S. Army rotary wing helmet with leading impact protection

Improved to support the U.S. Army Air Soldier Program objective to reduce the weight and bulk of flight safety equipment for extended mission requirements of rotary wing aircrew. The HGU-56/P Improved Rotary Wing Aircrew Helmet System weighs less than the standard Gentex HGU-56/P Rotary Wing Helmet System, making it easily wearable during extended use while maintaining industry-leading impact protection levels. By utilizing an innovative lightweight retention and suspension system, the improved system increases comfort and stability. Additional design changes provide even better situational awareness by shifting the wearer's head forward to increase field of view. Designed to meet the strict demands of the U.S. Armed Forces, this rotary wing helmet system can be used with or without helmet mounted display systems or oxygen delivery equipment. Learn how to upgrade an existing HGU-56/P helmet with these new features at a fraction of the cost of a new helmet on page 38.



MIL-SPEC Or Equivalent		FNS/PD 96-18 and MIL-H-43925	
Impact	Frequency Hz	Attenuation dB	Weight In Lbs.
Not to Exceed 175G	250	14	2.95 (1338 g)
	1000	21	
	2000	26	
	4000	37	
	8000	42	

ALPHA EAGLE™

Commercial Rotary Wing Helmet with Advanced Fitting System

Optimized fit and stability for flying with night vision goggles

The ALPHA Eagle is the most versatile rotary wing helmet available for commercial operations including law enforcement, air ambulance, fire services, forestry, and crop spraying. Users can select from a wide range of visor options, communications components, including plugs, connectors, and boom microphones, and hearing protection options, including ANR. Five shell sizes are available in a variety of colors and finishes to optimize the fit and personalization of the helmet system.



Impact	Frequency Hz	Attenuation dB	Weight In Lbs.
Not to Exceed 300G	250	7	3.10 (1406g)
	1000	27	
	2000	35	
	4000	41	
	8000	38	

COMPREHENSIVE ROTARY WING PORTFOLIO

Complementing the improved Gentex HGU-56/P and the ALPHA Eagle industry standards, Gentex provides a full line of rotary wing helmet systems to meet the broad array of aircrew needs.



Gentex HGU-56/P Aircrew Ballistic Helmet (ABH)

Greater than 100% improvement in ballistic protection with no weight penalty, while maintaining industry-leading impact protection.



Gentex HGU-84/P

Lightweight, low-profile dual-visor design developed for the U.S. Navy.



Gentex SPH-5®

Legacy U.S. Military design now in use by commercial pilots.



ALPHA 400

Multi-fit rotary wing passenger helmet for a wide-range of head sizes when the helmet is not a personal use item.

CROSS-PLATFORM

HELMET SYSTEMS

ALPHA 900

Military pilot helmet system for cross-platform use, designed to U.K. MoD requirements

Featuring a more modern and light weight design, the new ALPHA 900 replaces the 200 (rotary wing), 300 (fixed wing), and 800 (SAR) series of ALPHA helmets, which were previously in use by the UK MoD. Designed to be configured for fixed and rotary wing platforms, the ALPHA 900 helmet is an optimal solution for users looking to reduce their logistic trail as the helmet system can be configured to provide a variety of capabilities to suit the flight operation's specific requirements. The ALPHA 900 is compatible with a wide range of aircraft communication systems, NVGs, ANR, Laser Protective Visors and other helmet system upgrades. The modern, lightweight military helmet combines decades of experience as the U.K. MoD's design authority for aircrew helmets with the latest developments in military helmet technology.

Impact	Frequency Hz	Attenuation dB	Weight In Lbs.
Not to Exceed 300G	250	7	
	1000	27	
	2000	35	
	4000	41	
	8000	38	



ALPHA 900 Aircrew Helmet System Applications

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.



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.

OPS-CORE

SCALABLE HELMET SYSTEMS FOR AIR OPERATIONS

Our Ops-Core brand focuses on scalable helmet systems designed to meet the unique needs of specialty forces, passenger, transport, parachutist and search and rescue applications. The integrated modular platform of the Ops-Core helmet systems provide superior light-weight protection, allows for mission-adaptable products, performance enhancing accessories and upgrades such as visors, mandibles, communications and oxygen masks.



Ops-Core FAST® Carbon

A lightweight and durable carbon fiber helmet shell used by airborne special operations forces around the world that also provides all of the necessary functionality for land operations. Available with the newly designed Lux Liner for advanced comfort and ventilation.



Ops-Core FAST® Base Jump

A lightweight, configurable parachutist helmet for training and search and rescue operations that features a low-cost polycarbonate shell with molded front NVG mount.



Ops-Core Skull Crusher™

Provides a stable means for attaching NVGs and other accessories when bump protection is not required. Lightweight and breathable for extended use.

CAPABILITY UPGRADES

To enhance the performance capabilities of our helmet systems for both fixed and rotary wing aircrew, Gentex Corporation has designed an array of advanced capability upgrades that easily integrate into the helmet without sacrificing protection. You can explore our full line of upgrades at www.gentexcorp.com/aircrew.

EYE & FACE PROTECTION

With a history in high performance optics dating back to the 1970's, Gentex Corporation is a global leader in the research, development, and manufacture of protective and performance lenses for aircrew helmet systems. Our light management technologies protect military, civil government, and emergency-responder personnel from the latest optical threats, while enhancing mission performance through distortion-free visual acuity. And, with Gentex's unique systems approach to design, all visor assemblies for our lenses seamlessly integrate with Gentex helmets and other essential helmet system components, such as Night Vision Goggles, helmet mounted displays, and Gentex oxygen masks for the ultimate in protection and performance.

Photo by U.S. Army Sgt. Roberto Di Giovine, SCNG



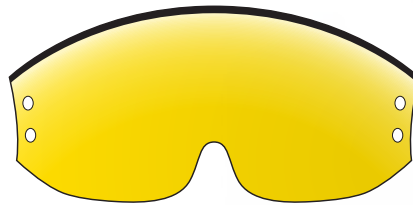
LENSES

All Gentex lenses offer advanced protection while enhancing visual acuity. Explore our line of lenses to determine the best one for your specific mission needs.

STANDARD LENSES



Clear



Amber



Neutral Gray

Basic ballistic and impact protection is provided with Gentex clear lenses. Using specially developed dyes and colors, Gentex also offers Amber and Neutral Gray lenses to enhance visual acuity in more demanding flight or terrain conditions. In addition to the protection offered by our clear lenses, our Amber lenses are engineered with yellow hue to offer basic contrast to the field of view in hazy or foggy conditions, and our neutral gray lenses were developed to provide sun glare protection.

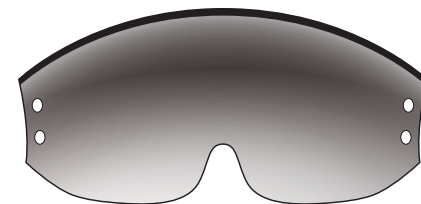
ADVANCED LENSES

For more advanced mission needs, Gentex has developed high-contrast and gradient lenses.



High Contrast

Specially engineered for use in snow, haze, fog, overcast, and cloudy environments, Gentex High Contrast lenses provide aircrew with a heightened and enhanced field of vision when flying in low-light conditions. Gentex's Filtron™ technology absorber dyes that are molded into the polycarbonate optic renders the lens a unique yellow color, and filters certain invisible and visible wavelengths for the wearer.



Gradient

Engineered specifically for protection against sun glare and to allow aircrew to see cockpit instrumentation clearly. The tinted and standard neutral gray color at the top of the lens transitions to clear at the bottom to interface with optional Gentex Oxygen Masks or Maxillofacial Shields.

LASER EYE PROTECTION

Combat hazards of visible and non-visible lasers without compromising visual acuity

Gentex's advanced laser lenses offer industry-leading protection from visible and non-visible wavelengths to prevent eye damage from various laser-equipped military systems. These lenses can be designed to protect against a wide range of threat profiles while maintaining high visible transmission and color perception.



Gentex EDU-7/P Laser Eye Protection Spectacles

The Gentex EDU-7/P Laser Eye Protection (LEP) Spectacles were designed under a U.S. Navy contract and offer industry-leading protection from non-visible laser threats. The frame's functional fit and style easily protect and seamlessly integrate with many of our helmets, display and tracking systems, and other components mounted close to the eye.



Laser protective lens shown in a Gentex STEP-IN® visor assembly

DAZZLE

Laser Defense Eyewear

Laser threat protection for professional and private pilots

To combat the emerging laser threats that may be encountered by pilots during critical phases of flight, Gentex has developed the Dazzle Laser Defense Eyewear line of laser protective flight-helmet mounted visors and spectacles. These laser glare reduction lenses are available in day and night versions, designed to maintain see-through color perception, while providing necessary protection from green and blue commercial lasers. Laser protection is achieved through the use of special optical absorbing dye and lens coating technologies. Dazzle Eyewear is available in visor formats for Gentex rotary wing helmets and flight-helmet compatible spectacles that are compatible with additional headborne equipment, such as Helmet Mounted Displays (HMDs) and Night Vision Goggles (NVGs).



Gentex Dazzle Defense Spectacles (Day)



Gentex Dazzle Defense Visor (Night)

VISOR ASSEMBLIES

Gentex lenses are designed to seamlessly fit with all of our visor assemblies which are compatible with our market-leading portfolio of aircrew helmet systems.



Gentex STEP-IN® Visor

Close-fitting visor frame compatible with NVGs and HMDs. Clear or laser protective lenses available.



Gentex Tracked Visor

Can be positioned at various points along the arc of travel to optimize the visual field and interface to other headborne equipment. Utilized in fixed and rotary wing helmet systems.



Gentex Bungee Visor (Standard or High-Speed)

Standard Bungee Visor offers reduced weight and bulk while maintaining required levels of protection for Gentex fixed wing helmets.

High-Speed Bungee Visor comes as an optional upgrade to the Gentex HGU-55/P Fixed Wing Helmet, providing ejection safety up to 600 KEAS. Includes a friction strip on visor frame for retention during windblast.

MAXILLOFACIAL SHIELDS

The Gentex and ALPHA Maxillofacial Shield (MFS) safeguards the lower face from rotor wash, flying debris and windblast during helicopter operations. An optional upgrade to Gentex HGU-56/P, HGU-84/P, or SPH-5 helmets and ALPHA 900 and Eagle helmets, it significantly enhances communications clarity by reducing wind noise across the boom microphone.



**Gentex HGU-56/P
Maxillofacial Shield**



**Gentex SPH-5®
Maxillofacial Shield**



**ALPHA Eagle
Maxillofacial Shield**



**ALPHA 900 Series
Maxillofacial Shield**

COMMUNICATIONS & HEARING PROTECTION

Our communication accessories seamlessly integrate into our rotary and fixed wing helmet systems providing state-of-the-art, secure audio communications.



Gentex Wire Boom Microphone

Standard boom microphone with serviceable design for repositioning and maneuverability.



Gentex Flex Boom Microphone

Fully flexible design for finer adjustment and positioning of the boom microphone element.



Gentex Wire/Flex Boom Microphone

Combines the features of the wire and flex boom microphones to maintain swivel functionality while allowing finer positioning of the boom



Gentex Coiled Communications Cord

Replaces common straight communications cords for enhanced flexibility and maneuverability with Gentex and ALPHA helmet systems.



Active Noise Reduction (ANR)

Provides advanced cockpit noise reduction for high-noise environments. Deployed in ALPHA Mk10, 900, and Eagle flight helmets with additional options available for Gentex fixed and rotary wing helmets. Battery and aircraft power options available.

RESPIRATORY & CBRN SOLUTIONS

A critical component of our helmet systems, our respiratory and CBRN products for fixed wing platforms protect aircrew throughout the world.



GENTEX MBU-20/P

Aircrew Oxygen Mask

PBG Capability and GLOC Prevention

The Gentex MBU-20/P Oxygen Mask is an integral component of the Gentex HGU-55/P Fixed Wing Helmet System, providing pressure breathing for G (PBG) capability to tactical aircrew, while reducing the probability of G-induced loss of consciousness (GLOC). Issued to all U.S. F-15, F-16, and F-22 fighter pilots, this exceptional unit offers a lightweight, low-profile design with advanced, performance enhancing capabilities. Separate inhalation and exhalation valves minimize breathing resistance, while automatic mask tensioning during high-G maneuvers can be achieved through the use of the Gentex HGU-55/P COMBAT EDGE kit.



Photo by U.S. Air Force MSgt Jack Braden

COMPREHENSIVE OXYGEN MASK PORTFOLIO



Gentex High Altitude/Low Profile (HA/LP PPB®)

Designed for PBG and non-PBG equipped aircraft. Qualified and flown by the majority of non-U.S. militaries flying Gentex and ALPHA fixed wing helmet systems.



Gentex MBU-20A/P

U.S. Air Force approved non-PBG configuration with parts common to the Gentex MBU-20/P to lower the logistical burden of maintaining multiple mask configurations and spares.



Gentex MBU-23/P

U.S. Navy configured oxygen mask providing optimal Positive Pressure Breathing (PPB) sealing and +600 KEAS windblast protection. Typically flown with a Gentex HGU-68/P Fixed Wing Helmet.



Gentex EFA/ACS

Worn by EFA pilots, the Gentex EFA/ACS mask is an integral component of the Gentex ACS system, providing PBG capability while reducing the probability of GLOC. Mask bayonets are designed to not only secure the mask to the helmet, but also supply the ACS helmet bladder with pressure for automatic mask tensioning at high-G.



Gentex MiG & Sukhoi-HA/LP

HA/LP variant designed specifically for Russian aircraft platforms.



Gentex MBU-12/P

Legacy oxygen mask used with Gentex HGU-55/P and 68/P fixed wing helmets.

Gentex TACAIR

Advanced CBRN Respirator System

Compatible with the Gentex HGU-55/P Fixed Wing Aircrew Helmet System, the Gentex TACAIR Advanced CBRN Respirator System offers complete protection and seamless integration for maximum performance. Designed and tested to meet stringent performance specifications by the Department of Defense, the system respirator provides world-class levels of protection for F-15, F-16, F/A-18, and other fixed wing pilots. Gentex TACAIR Advanced CBRN Respirator System simultaneously provides CBRN and Pressure Breathing for Altitude (PBA) / Pressure Breathing for Gravity (PBG) protection. Compatible with below-the-neck CBRN ensembles providing complete head-to-toe CBRN protection as well as flame and thermal protection.



OXYGEN MASK COMPONENTS

Gentex offers an array of performance enhancing components that seamlessly integrate with our Gentex and ALPHA helmet system platforms.

CONNECTORS & VALVES

Our oxygen connectors and valves are built to meet or exceed rigorous U.S. Military Specifications and are the popular choice throughout the world.



Anti-Suffocation Valve (ASV)

Designed for the Gentex HA/LP Oxygen Mask, the inspiratory activated anti-suffocation valve allows an unconscious or disabled aircrew member to breathe when the mask is on the face.



CRU-94/P Integrated Terminal Block

PBG capability reduces probability of GLOC during high performance flight.



CRU-60/P

Assures positive locking and prevents flailing during ejection; attaches to an airman's parachute harness.



Modified B1-B

For B-1 Bomber aircrew. Dovetail mounts on left or the right side of the torso.



Quick Disconnect Assemblies

Mates with oxygen mask assembly hoses and disconnects from a MS22058 connector between 12 and 20 lbs.; pin provided for attachment of strain relief cord.



3-Pin

Mates with mask assembly breathing hoses; pin provided for attachment of strain relief cord.

LIGHTING SOLUTIONS



Oxygen Mask Light

Gentex offers the only fully integrated, hands-free, night-vision compatible cockpit lighting solution that meets the rigorous U.S. DoD standards for flight safety. The Gentex Oxygen Mask Light integrates directly onto the MBU-20/P, MBU-20A/P, and HA/LP oxygen masks; battery powered for more than 40 hours of continuous use. Hands-free operation is achieved via a lip/tongue switch mounted to the microphone inside of the oxygen mask. The single white LED and filter meets the requirements outlined in MIL-ST-3009, Night Vision Imaging System (NVIS) Compatible Aircraft Lighting specification. The Gentex Oxygen Mask Light is windblast and ejection seat sled tested to +600 KEAS.

BAYONET RECEIVERS

The lightweight, advanced design of Gentex bayonet receivers allow for easy attachment and fitting of oxygen masks that both rotate and hinge.

Rotatable

The Gentex Rotatable Bayonet Receiver (R2) is the most versatile bayonet receiver available providing over 30 degrees of rotation to optimize oxygen mask fit in a shorter period of time with less technician efforts. The Gentex R2 can be worn and hinged on either side of the helmet for easy access with a gloved hand. The perfect "plug-and-play" replacement for current bayonet receivers without modification to the helmet shell.



Anti-Snag

Reduces potential for snags from parachute risers or shroud lines during aircraft ejection or manual bailout.



Lightweight

Simple and cost effective solution for attaching oxygen masks to helmets utilizing high strength steel receivers.



TEST SETS

Built to rigorous military requirements, our highly capable and reliable Gentex test equipment will meet and exceed all of your needs from the back shop to the flight line.



Life Support Integrated Tester (LSIT)

Provides functional testing of the Gentex COMBAT EDGE Ensemble and derivatives, the LSIT-1/A offers reliable checks for the Gentex MBU-20/P and MBU-23/P oxygen masks, Gentex CSU-17/P vest assembly, Gentex HGU-55/P helmet with occipital bladder, Gentex CRU-94/P Integrated Terminal Block, Gentex CRU-60/P Connector, and/or Gentex PBG Chest Mounted Regulator, and various lower Anti-G garments.



Self-Contained Air Source

Provides filtered air to perform all aircrew life support equipment component tests, initial fitting and pre-flight checkout; connects to the standard Gentex LSIT-1/A and replaces the need for compressed air bottles.



Aircrew Systems Tester (AST)

Portable; supports three basic functions needed to provide aircrews with life support testing: oxygen masks and regulators; oxygen mask/helmet communications; and pre-flight checkout of pilot/aircrew equipment. The AST will test the Gentex MBU-23/P, MBU-20/P, MBU-12/P, and HA/LP; CRU-series regulators, including CRU-82/P, CRU-88/P and CRU-103/P; and 10 VDC, 28 VDC, Dynamic, and Electret communications sets.

TOOL KITS

We offer a wide array of tools necessary to maintain all MBU-12/P, MBU-20/P, MBU-23/P, and HA/LP Oxygen Masks in convenient kits.



Oxygen Mask Tool Kit

The Gentex Oxygen Mask Tool Kit provides all of the necessary tools (7-piece tool set plus rugged case) to support maintenance of the above mentioned oxygen masks.

Photo by U.S. Navy Airman Ryan O'Connor

PERFORMANCE UPGRADES

Gentex offers an extensive line of general upgrades to enhance comfort, performance, and protection while extending the useful service life of your helmet systems. You can also visit our authorized distribution partners at www.gentexcorp.com/distributors for additional product enhancements and accessories to optimize a solution to your flight equipment needs.



GENTEX HGU-56/P Improvement Kit

Reduced weight, enhanced field-of-view, and increased stability

Upgrade an existing HGU-56/P helmet and benefit from the new features at a fraction of the cost of a new helmet. The HGU-56/P Improvement Kit includes a new Energy Attenuating Liner (EAL), articulating nape pad with chinstrap system, comfort liner, and ear cup fasteners. Users will benefit from the advanced lightweight retention system, which increases comfort and stability, while reducing the headborne weight by 50 grams. The updated EAL improves situational awareness by shifting the head forward inside of the helmet shell to increase field of view by 3 degrees. An updated Maxillofacial Shield (MFS) is also available for users who may experience discomfort or interference with their existing MFS as a result of the forward head shift. Compatibility with Helmet Mounted Display (HMD) systems, Night Vision Goggles (NVGs), oxygen delivery systems, and communications equipment are maintained in the upgraded helmet system.



CHINSTRAPS

Our helmet chinstraps are manufactured to rigorous military specifications to ensure the highest levels of safety, retention, comfort, and service life.



D Ring Chinstrap

Military-style double D Ring chinstrap interlocks through two D rings to ensure positive retention.



Snap Chinstrap

Uses a military-style D ring for adjustment with a snap fastener on the other end for quick attachment and removal. The snap feature can be crucial in the event the helmet needs to be removed quickly in an emergency situation.

HELMET BAGS

Designed to greatly extend the life of your helmet, our helmet bags provide much needed storage for flight publications, gloves, or other vital accessories.



Standard Helmet Bag

Carry, store, protect all Gentex flight helmets, or use for overnight bag, carrying flight publications, NVGs and other items.



Deluxe HGU-56/P Helmet Bag

Offers additional storage and organization for flight publications, sunglasses, helmet components, and gloves. Available in three colors.

COMFORT LINERS

Designed to provide exceptional comfort and stability with low maintenance, our helmet comfort liners allow users a custom fit to a wide range of head contours.



Gentex X Liner®

Gentex's most advanced helmet liner, designed specifically for simple field installation, removal, and replacement, provides maximum comfort and ventilation, and includes silver anti-microbial lining to reduce odor and static.



Gentex TPL®

Custom-fitting Thermal Plastic Liner (TPL) provides comfort and high stability during aircraft maneuvering and acceleration.



Gentex Super Comfort Liner

Same protective/retention benefits of Gentex's TPL plus enhanced comfort with a more plush cover padding.

NVG ACCESSORIES

To help ensure pilot safety and performance while using Night Vision Goggles (NVG), Gentex offers NVG mounting accessories for some of their most common helmet platforms.



ANVIS Quick Disconnect NVG Mount

Allows the quick attachment and easy disconnect of Night Vision Goggles from visor housings.



Standard ANVIS NVG Mount

Designed to provide a permanent NVG mounting platform to visor housings.



NVG Banana Bar Mount

Clips to Gentex fixed wing helmet systems utilizing bungee visor systems for nighttime operations.

ADVANCING TECHNOLOGY IN THE GLOBAL AEROSPACE INDUSTRY

For over 50 years, Gentex's comprehensive line of durable and innovative products for fixed and rotary wing aircrew have supported many key programs such as Apache Block III, Joint Helmet Mounted Cueing System (JHMCS), and Helmet Mounted Integrated Targeting (HMIT). Leveraging this legacy of innovation, Gentex is proud to have been chosen once again to be part of the latest program designed to further advance aircrew technology, the U.S. Joint Strike Fighter (JSF) program team. Designed to deliver affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and U.S. allies, Gentex is developing the helmet system platform and respiratory protection system for the program. Our unique helmet system design allows JSF aircrew to easily integrate current and future technologies without compromising protection, keeping them safe and always a step ahead. Leveraging this technology and that of our total comprehensive aircrew product portfolio, you can count on Gentex to do the same for you.



Aircraft Photo by U.S. Air Force Senior Airman Daniel Hughes



GENTEX
JSF F-35
Portfolio

JSF Helmet Shell

Helmet Cable Interface (HCI) Cable

Oxygen Mask

Active Noise Reduction (ANR)

Laser Eye Protection (LEP) Spectacles

Chem/Bio (CB) Respirator

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Custom Fitting Services

Pilot Photo by U.S. Air Force Senior Airman Brett Clashman

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