

GENTEX[®]

HGU-55/PJ

Fixed Wing Helmet System



The Gentex HGU-55/PJ Helmet shown with optional laser protective visor

Critical Protection for Cross-Platform Performance

With its combination of features and capabilities utilized by the U.S. Air Force and U.S. Navy, the Gentex HGU-55/PJ Helmet System provides high protection and performance capabilities for frontline fighter and advanced training use. Key capabilities include 600 KEAS windblast protection using a highly reliable and stable retention system, plus a tracked visor kit than can be quickly configured with a variety of visor options for day or night flight. A range of respiratory, communications, and comfort fit accessories can also be added to optimize the helmet system for flight.

KEY FEATURES

High Protection Levels

The Gentex HGU-55/PJ Fixed Wing Helmet System is certified safe for ejection up to 600 KEAS using a tracked visor kit. An expanded polystyrene bead liner substantially limits impact forces transmitted to the head to under 400 G or 200 G for durations exceeding 2 ms.

U.S. DoD Pedigree

The penetration-resistant helmet shell is constructed from lightweight graphite and carbon materials approved by the U.S. Navy and the shell is painted U.S. Air Force gray for optimal solar reflection. The helmet features the Gentex Integrated Chin and Nape Strap (ICNS) Assembly also used by the U.S. forces for excellent stability and comfort.

Optimal Fit and Comfort

In addition to the ICNS, the HGU-55/PJ helmet includes the Gentex Super Comfort Liner (SCL), which includes a plush foam-lined cloth encasing multiple layers of thermoplastic material that can be heated and molded to provide a custom fit. The Gentex X Liner[®] can also be used to increase comfort and breathability. Plastic earcups with soft earseals can be optimized for comfort by use of foam fitting pads, or optional leather-covered earpads can be used.

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The Gentex HGU-55/PJ Helmet shown with oxygen mask



The Gentex HGU-55/PJ Helmet (front view)

Contact Us

Gentex is committed to designing and manufacturing advanced performance capabilities for worldwide aircrew personnel. For more information on the Gentex HGU-55/PJ Fixed Wing Helmet System, please contact Gentex at sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at facebook.com/Gentexcorp or follow us on Twitter @Gentex_Corp.

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KEY FEATURES CONTINUED

Configurable Visor Options

The tracked visor kit of the HGU-55/PJ can hold a variety of Gentex visors including clear, neutral gray, high contrast, gradient, or laser visor assemblies. The visor track can be locked in place anywhere along its arc of travel, which greatly assists in optimizing the visor-to-mask interface. A supple leather visor cover is included to protect the visor from scratches or damage when not used for flight. All Gentex visors meet the strict performance requirements of MIL-V-43511C, which includes ballistic resistance to 560 fps for a 17-grain projectile.

Oxygen Mask Compatibility

A U.S. Navy approved anti-snag oxygen mask receiver is included and greatly reduces the threat of entanglement from parachute risers or canopy lines during ejection. The helmet can be fitted with Gentex HA/LP or MBU-12/P Oxygen Masks to provide required levels of respiratory protection. Gentex Rotatable Bayonet Receivers (R2) can also be installed to improve the fitting of these masks and allow hinging of the mask from either side of the helmet.

Customizable Communications

HGU-55/PJ earcups or earpads can be fitted with a range of earphones to accommodate a wide variety of aircraft. Gentex also offers an extensive line of communications cords, microphones, and other accessories to customize an ideal communications solution tailored to meet specific needs.

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