

HGU-84/P
ROTARY WING HELMET



GENTEX®

The HGU-84/P Dual Visor Helmet Assembly is designed by Gentex for the U.S. Navy and U.S. Marine Corps. The military aircrew helmet provides superior protection and comfort in a lightweight, low-profile design. The rotary wing helmet integrates the latest advances in technology to provide comfort, stability, retention, and protection.

The HGU-84/P helmet may be integrated with MBU-12/P oxygen mask series, MCK-3/P CBR mask, AN/AVS-6 Night Vision Goggles, EDU-1/P Spectacles, Gentex wire or flex boom microphones, Gentex Maxillofacial Shield (MFS) and X Liner® helmet comfort liner by Gentex.

STANDARD CONFIGURATION:

- **Shell:** *The helmet shell is a rigid Graphlon® composite made of pressure molded, laminated graphite and nylon.*
- **Liner:** *A styrofoam energy absorbing liner is the primary impact attenuation medium. A preformed Thermoplastic Liner (TPL®) provides an easily fitted, light weight, comfortable custom liner. The TPL consists of multiple layers of thermo plastic which conform to the contour of the head with a removable/laundryable cover. An optional helmet comfort liner, the X Liner, is available.*
- **Integrated Chin/Nape Strap:** *The integrated chin/nape strap is a unique, one-piece assembly threaded through the helmet and adjusts at the chin strap. Cross straps threaded through the nape strap pad adjust simultaneously with the chin strap to provide a snug yet comfortable fit.*
- **Lightweight Dual Visor Assembly:** *The assembly incorporates both an inner clear visor and an outer neutral gray visor, which attach to each other and to the helmet by means of snap fasteners. The lenses are trimmed to conform to the MBU-12/P oxygen mask configuration. Clear, gradient, high contrast and laser attenuating visors are available as spares.*

OPTIONAL HELMET COMPONENTS:

- **Communications** - built to customers requirements
- **Maxillofacial Shield** - optional helmet accessory, safeguards the lower face from rotor wash, flying debris and windblast during helicopter operations.
- **Wire or Flex Boom Microphone** - standard wire boom assembly, optional flexible boom assembly. Both microphones are compatible with Mike Lites™.
- **X Liner** - Commercially available, Gentex's most advanced, lightweight, comfort fitting helmet liner.
- **SPH-style Dual Visor Kit** - to allow Night Vision Goggle Quick Disconnect feature.

MINIMUM PERFORMANCE REQUIREMENTS:

- **Chin Strap/Retention Assembly Strength:** *The chin strap assembly withstands a strength test of 300 pounds when tested using ANSI Z90.1b-1979 test methodology.*
- **Visor Performance:** *The clear and neutral gray visor lenses meet the requirements of MIL-V-43511 for optical performance and impact resistance. The visor lenses are abrasion resistant coated, meeting the requirements of MIL-C-83409.*
- **Sound Attenuation:**

Frequency (Hertz)	125	250	500	1000	2000	3150	4000	6300	8000
Decibels	13	14	21	24	30	40	43	44	36

When tested in accordance with ANSI S12.6-1984, the HGU-84/P conforms to the sound attenuation values specified above.

- **Impact Resistance:**

Peak Gs	Velocity*	Anvil	Environmental Conditions
300	17.5 ft/sec	Flat	Cold
400	17.5 ft/sec	Hemispherical	Hot

For commercial orders contact:

Mark Jones (570) 282-8504 mjones@gentexcorp.com

For international distributors, please visit www.gentexcorp.com