

Argonaut[®] DHPC

Double Hearing Protection with
Communications Headset

Extreme Noise Hearing Protection, Maximum Speech Intelligibility and Clear Communications

Exceptional in extreme ambient noise fields up to and exceeding 125 dB(A), the Argonaut DHPC Headset provides double hearing protection and superior intelligibility for those working in the world's loudest military and industrial noise environments. The Argonaut DHPC Headset is compatible with multiple radio interfaces; the Digital Noise Canceling (DNC) microphone is boom mounted with a push to talk button. A muzzle is available to enhance speech communications.



Gentex Argonaut DHPC Headset

KEY FEATURES

Clear Communication

Designed for maximum performance of two-way communications in military and harsh industrial noise fields. The patented active DNC microphone optimizes response to the noise field present providing greater than 75% speech intelligibility with boom microphone and > 88% speech intelligibility with muzzle mic @ 125 dB(A) broadband noise, per ANSI S3.2.

Hearing Protection

Double hearing protection is provided by the Argonaut Communication Earplugs with Comply P-Series Canal Tips or generic earplugs and the Argonaut headset for use in noise environments exceeding 125 dB(A).

The patented DNC microphone technology reduces noise transmitted through the microphone to listeners by more than 10 dB, preserving hearing and improving communication.

Durable Design

Environmentally rugged design capable of withstanding harsh military environments and EMI conditions. The Argonaut DHPC Headset can be powered by many military, industrial and general aviation radios, and Intercom Communication Systems (ICS). No battery required for many applications.

Maximum Compatibility

The Argonaut DHPC Headset is compatible with:

- HGU-25/P series legacy cranial
- Argonaut Communication Earplugs with:
 - Comply P-Series Canal Tips
 - Generic communication ear/canal tips
- Multiple radios and communication platforms

Compliance

- Compliant with sections of MIL-STD 810F, MIL-STD-461E, MIL-STD-464, etc.
- Certified to EMC directive 2004/108/EC

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Argonaut DHPC

KEY FEATURES (CONTINUED)

Argonaut DHPC and Argonaut Communication Earplugs (ACE) and Comply P-Series Canal Tips

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation in dB	40.6	46.1	48.5	43.6	43.1	50.6	50.6
Standard Deviation in dB	5.0	4.9	4.5	2.5	4.2	3.3	4.2

Test data collected per ANSI S12.6:2008

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation in dB	36.1	39.6	48.6	44.0	41.3	48.0	47.0
Standard Deviation in dB	5.0	4.9	4.5	2.5	4.2	3.3	4.2
APV (dB)	30.9	35.5	44.8	40.5	37.7	44.1	43.3

SNR= 42 dB
H= 40 dB
M= 40 dB
L= 37 dB

Test data collected per EN 352/13819-2:2002

Ordering Information

Part Number	Description	NSN
05-005061	Headset Argonaut DHPC Harris P7100	4220016099406
05-005064	Headset Argonaut DHPC F18ICS	4220016099407
05-005068	Headset Argonaut DHPC Muzzle mic Sound Powered Phone with Battery	4220016099408
05-016017	Argonaut Communication Earplugs (ACE)	4220016099415
05-012001	Battery Charger Two-gang for Argonaut [®] DHPC	4220016099413
05-012002	Power Cord for Two-gang Battery Charger	---
05-005023	Argonaut [®] Battery	4220016099398
05-999001	Foam Ear Seal (1 pair)	4220016099412
05-999003	Wind Guard for Boom Mic	4220016099409
05-016019	Comply P-Series Canal Tips, Standard & Slim, 1 Pair Each	---
05-016023	Comply P-Series Canal Tips, Original Slim*, Box of 100 Pair	---
05-016024	Comply P-Series Canal Tips, Original Standard*, Box of 100 Pair	---

*Other sizes available in Original and Short styles



Argonaut DHPC System: Argonaut Headset with DNC flexboom microphone and Argonaut Communication Earplugs (ACE), order separately. Use with properly sized and fitted Comply P-Series Canal Tips to obtain hearing protection performance.

Contact Us

Gentex Corporation is dedicated to developing fully integrated products that significantly improve hearing protection and communications for personnel operating in continuous, extreme noise environments, such as those found in the oil and gas, construction, military, heavy industrial, mining, metalworking, chemical and aerospace industries. For more information about the Gentex Argonaut DHPC Headset, please contact sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at facebook.com/Gentexcorp