

## CONTINUOUS NOISE ATTENUATION

RATING VALUES, NRSA, 80%

**B** BLUE – 30 dB OR GREATER

**G** GREEN – 20-30 dB

**Y** YELLOW – 10-20 dB

**R** RED – 10 dB OR LESS

Continuous noise attenuation measurements are used to characterize how much protection a hearing protection device provides in an environment where the ambient noise levels are fairly stable (e.g. riding in a LAV or a helicopter, working in a machine shop). ANSI S12.6-2008

## IMPULSIVE NOISE ATTENUATION

RATING VALUES, IPIL FOR 170 dBp

**B** BLUE – 30 dB OR GREATER

**G** GREEN – 20-30 dB

**Y** YELLOW – 10-20 dB

**R** RED – 10 dB OR LESS

Impulse noise attenuation measurements are used to characterize how much protection a hearing protection device provides against impulsive noises (e.g. gun shots, explosions). ANSI S12.42

## SPATIAL AWARENESS

RATING VALUES, AURALLY GUIDED VISUAL SEARCH TIME (40 dB)

**B** BLUE – 4 SECONDS OR LESS

**G** GREEN – 4 – 7 SECONDS

**Y** YELLOW – 7 – 10 SECONDS

**R** RED – 10 SECONDS OR GREATER

Spatial Awareness measurements were collected to demonstrate the impact of hearing protection devices on the amount of time that is required to accurately locate the origin of a detected sound in any direction (can I hear the sound and determine the direction of the sound?).

# EVALUATED PASSIVE HEARING PROTECTION DEVICES

HEARING IS CRITICAL TO WARFIGHTER PERFORMANCE • WARFIGHTERS MUST BE ABLE TO UNDERSTAND COMMANDS AND BE AWARE OF SURROUNDINGS •

<p><b>UNPROTECTED EAR</b></p> <p>NSN   N/A</p>	<p><b>3M EAR ULTRAFIT</b></p> <p>NSN   NONE</p>	<p><b>EARPLUGZ PC</b></p> <p>W/ CORD</p> <p>NSN   NONE</p> <p>W/O CORD</p> <p>NSN   NONE</p>	<p><b>HEAR DEFENDERS DF</b></p> <p>NSN   6515-01-633-3425 LRG 6515-01-633-3433 MD 6515-01-633-3427 SM</p>	<p><b>ETYMOTIC ER20 ETY</b></p> <p>NSN   N/A</p>	
<p><b>HEARING ARMOR</b></p> <p>NSN   N/A</p>	<p><b>HOWARD LEIGHT MAX</b></p> <p>NSN   N/A</p>	<p><b>MOLDEX BATTLEPLUGS</b></p> <p>CLOSED</p> <p>NSN   6515-01-632-4185 LRG 50 PAIRS 6515-01-632-4179 MD 50 PAIRS 6515-01-632-4167 SM 50 PAIRS</p> <p>OPEN</p> <p>NSN   NONE</p>	<p><b>ALLEN SOUND SENSOR</b></p> <p>NOT RECOMMENDED FOR MILITARY APPLICATIONS</p> <p>NSN   NONE</p>	<p><b>SENSGARD SG26</b></p> <p>NOT RECOMMENDED FOR MILITARY APPLICATIONS</p> <p>NSN   N/A</p>	<p><b>SENSGARD SG31</b></p> <p>NOT RECOMMENDED FOR MILITARY APPLICATIONS</p> <p>NSN   N/A</p>
<p><b>MOLDEX PURAFIT</b></p> <p>NSN   N/A</p>	<p><b>SONIC DEFENDERS EP3</b></p> <p>CLOSED</p> <p>NSN   6515-01-606-4499 LRG CLEAR 25 PAIRS 6515-01-606-4498 MD CLEAR 25 PAIRS 6515-01-606-4493 SM CLEAR 25 PAIRS</p> <p>OPEN</p> <p>NSN   NONE</p>	<p><b>SONIC DEFENDERS EP4</b></p> <p>CLOSED</p> <p>NSN   6515-01-606-4568 LRG CLEAR 25 PAIRS 6515-01-606-4565 MD CLEAR 25 PAIRS 6515-01-606-4560 SM CLEAR 25 PAIRS</p> <p>OPEN</p> <p>NSN   NONE</p>	<p><b>SONIC DEFENDERS EP7</b></p> <p>CLOSED</p> <p>NSN   6515-01-622-2007 LRG CLEAR 25 PAIRS 6515-01-622-2001 MD CLEAR 25 PAIRS 6515-01-622-1984 SM CLEAR 25 PAIRS</p> <p>OPEN</p> <p>NSN   NONE</p>	<p><b>COMBAT ARMS GENERATION 4</b></p> <p>CLOSED</p> <p>NSN   6515-01-576-8869 LRG 6515-01-576-8861 MD 6515-01-576-8837 SM</p> <p>OPEN</p> <p>NSN   NONE</p>	



FOR FURTHER INFORMATION, REFER TO SELECTION OF PASSIVE HEARING PROTECTIVE DEVICES GUIDEBOOK