



HEARING PROTECTION

“Extensive research and development has enabled us to produce a hearing protection range that has the wearer’s needs at its core and is ideally suited to today’s industrial needs.”

STEVEN BINNIE
Sales Director | Alpha Solway



28
L1

SNR 19dB
A low profile, lightweight, ear defender with a padded headband and low attenuation.



30
M2

SNR 30dB
A lightweight ear defender with a padded headband and medium attenuation.



30
F3

SNR 32dB
Medium attenuation ear defender with a folding padded headband.



31
N4

SNR 32dB
Medium attenuation ear defender with a soft adjustable strap and a neck band.



32
H5

SNR 34dB
High attenuation ear defender with a padded headband.



34
EP11

SNR 34dB
Soft, bright, disposable foam ear plugs with a remarkable new tapered design for increased comfort and ease of fitting.



34
EP12

SNR 34dB
As per EP11, but with an added durable plastic cord.



35
EP20

SNR 35dB
Metal-detectable disposable ear plugs

ALPHA SOTA™

HEARING PROTECTION

Given the risks of Noise Induced Hearing Loss (NIHL), it's critical that performance of hearing protection products is matched by comfort, especially as many workers wear their hearing protection for long periods of the working day.

As a result, comfort, performance and practicality are the key factors that lie at the heart of our new Alpha SOTA range.



SIMPLE-FIT EARPLUGS

For hearing protection below 105dB, Alpha Solway has designed the new Alpha SOTA Simple-Fit™ disposable foam ear plugs. Incorporating a unique, new tapered design and manufactured from a soft polyurethane (PU) material for enhanced comfort, wearers use a simple 'Roll, Insert, Twist' action when the earplugs are placed into the ear canal to help create a quicker and more effective fit.



EAR DEFENDERS

Where louder environments require enhanced noise protection, the new range of Alpha SOTA ear defenders offer an array of 'designed-for-wearer' features and benefits.

WHAT IS AN SNR?

Independent laboratories (Notified Test Authorities) test hearing protection products to determine their SNR value.

An SNR is a Single Number Rating system. The SNR value can be used to give an indication of the reduction of noise when worn correctly.

The higher the SNR, the higher the level of noise reduction provided by the hearing protection. However, it is important that the hearing protection does not over-attenuate, as this could create a hazard to the worker.

Please note that the SNR value is a rough average.

HEARING PROTECTION ACTION LEVELS

In the workplace, there are 2 main action levels when hearing protection must be worn.

ACTION LEVEL	NOISE EXPOSURE LEVEL	RECOMMENDED ACTION BY EMPLOYER
Lower or first level	At 80dB	Provide training and make hearing protection available
Upper level	85dB and above	Seek to reduce the level of noise at source. Provide training and enforce the mandatory wearing of appropriate hearing protection.



TYPICAL INDUSTRIAL ENVIRONMENTS WHERE THE RANGE EXCELS INCLUDE :



MANUFACTURING AND MAINTENANCE



UTILITIES AND PLANT AND EQUIPMENT



HEAVY INDUSTRY



FOOD PROCESSING



HIGHWAYS MAINTENANCE



OIL AND GAS PLATFORMS

SOUND PROTECTION FOR SPORTS AND LEISURE ACTIVITIES

The Alpha Solway range of hearing protection products extends beyond the workplace. The ear defenders and ear plugs can also be used across a range of sports and leisure applications such as:



MOTORSPORT



SHOOTING



CONCERTS



AVIATION



SLEEPING

EP11



SNR: 34dB

The EP11 disposable ear plug has a remarkable, unique and new tapered design making it the easiest ear plug to fit of any available on the market today.

They are manufactured from a soft, brightly-coloured polyurethane (PU) material for enhanced comfort and increased visibility.

ATTENUATION DATA

EP11 + EP12 | SNR = 34dB H = 32dB M = 31dB L = 31dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	32.9	33.4	34.9	37.1	35.8	33.6	40.8	45.1
Standard Deviation (dB)	2.9	2.7	4.3	4.5	5.1	3.7	3.4	4.8
Assumed Protection (dB)	30.0	30.7	4.5	32.6	30.7	29.9	37.4	40.3

EP12

EP12 contains all the advantages of the EP11 but with the added benefit of being attached together at opposing ends of a lightweight yet durable plastic cord.

The cord allows for the ear plugs to be conveniently hung around the neck when not required and inserted again swiftly when necessary.



SNR: 34dB

EP20

SNR: 35dB

Stainless steel ball bearing inserted in the ear plug and metal elements embedded in the cord make it fully detectable and an ideal choice for food processing environments.

ATTENUATION DATA

SNR = 34dB H = 32dB M = 31dB L = 31dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	33.1	32.8	35.0	38.8	38.0	32.8	42.6	46.8
Standard Deviation (dB)	1.6	2.5	4.4	3.4	5.0	2.2	4.0	4.8
Assumed Protection (dB)	31.5	30.3	30.6	35.4	33.0	30.6	38.6	42.0



SUITABLE FOR FOOD INDUSTRY



SIMPLE TO FIT
ROLL & INSERT

USING A SIMPLE 'ROLL, INSERT AND TWIST' ACTION, THE EAR PLUGS ARE PLACED INTO THE EAR CANAL IN ORDER TO PROTECT HEARING.

It is important to make sure the ear plugs are inserted correctly, and fit properly, or they may not provide the right levels of protection.



EP14



Featuring a stylish wall-mountable design, EP14 is a refillable ear plug dispenser able to store and dispense up to 500 pairs of EP11 ear plugs (included).

Ear plugs are released using the simple twist mechanism and the unit is easily refilled in a few quick, easy steps.

EP15 REFILL PACK AVAILABLE

500 pairs supplied in a polybag for a cost-effective refill solution