

TABLE 4 – A-WEIGHTED DIFFUSE FIELD
RELATED SOUND PRESSURE LEVEL

Signal dBV	Signal mV	Sound output level	Allowable exp time (h)*
-30	31.6	69.0	>8
-25	56.2	74.1	>8
-20	100.0	79.2	>8
-15	177.8	84.2	4.8
-10	316.2	88.6	1.7

*Usage time at maximum input signal corresponding to an equivalent sound output level of 82 dB(A) over 8 h.

ⓘ **Warning!**

The sound pressure level can exceed 82 dB(A) for input signal levels higher than the maximum specified input signal level.

TABLE 5 – HYGIENE KIT

Type	Part number
PVC (memory foam)	60197-S
GEL (silicone gel)	60198-S

TABLE 6 – ANSI S3.19-1974

Information related to ANSI S3.19-1974. Attenuation tested according to ANSI S3.19-1974

30NNNN-10P/-11P/-12P, Headband Hygiene kit PVC

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	17	20.6	25.4	33.2	33.0	39.8	43.2	43.2	41.5
Standard deviation dB(A)	1.5	3.3	1.5	2.6	3.1	3.2	2.4	3.2	3.2

NRR = 23 dB Headband force = 2.3 lbs

30NNNN-10G/-11G/-12G, Headband Hygiene kit GEL

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	16.9	19.3	23.8	30.9	30.6	38.4	40.9	42.2	39.6
Standard deviation dB(A)	3.0	1.7	2.0	2.0	2.3	3.1	3.3	2.6	2.6

NRR = 23 dB Headband force = 2.4 lbs

30NNNN-20P Neckband, Hygiene kit PVC

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	15.8	20.1	25.7	34.0	30.1	36.0	40.3	42.2	41.1
Standard deviation dB(A)	2.6	1.8	2.0	3.5	3.2	3.6	1.9	2.7	3.2

NRR = 23 dB Headband force = 2.4 lbs

30NNNN-20G Neckband Hygiene kit GEL

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	16.8	19.8	25.7	31.0	31.9	39.9	42.3	40.7	40.1
Standard deviation dB(A)	3.0	1.9	2.0	2.3	2.3	2.7	2.5	2.5	2.8

NRR = 23 dB Headband force = 2.9 lbs

30NNNN-30P Helmet ARC Hygiene kit PVC

(TeamWendy Exfil LTP-Helmet Rail3.0, Size1 M/L)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	17.5	18.7	22.1	29.0	30.5	37.5	39.6	43.4	42.9
Standard deviation dB(A)	2.5	2.6	1.9	3.0	3.1	2.5	2.0	3.2	2.7

NRR = 21 dB Headband force = 2.4 lbs

30NNNN-30G Helmet ARC Hygiene kit GEL

(Team Wendy EXFIL LTP Helmet Rail 3.0, Size 1 M/L)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	17.1	18.7	22.5	27.7	30.6	37.8	41.2	43.3	42.2
Standard deviation dB(A)	2.6	2.3	1.5	1.7	2.2	2.1	3.2	3.1	2.2

NRR = 22 dB Headband force = 2.6 lbs

30NNNN-31P Helmet R-ARC Hygiene kit PVC

(Ops-Core FAST Carbon High Cut Helmet, M/L)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	19.4	21.7	25.6	32.1	31.1	39.3	41.5	44.6	43.2
Standard deviation dB(A)	2.8	2.5	2.4	3.1	2.8	2.8	2.1	2.0	1.7

NRR = 23 dB Headband force = 2.5 lbs

30NNNN-31G Helmet R-ARC Hygiene kit GEL

(Ops-Core FAST Carbon High Cut Helmet, M/L)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	18.4	21.1	24.8	29.8	31.9	40.9	42.7	44.6	41.3
Standard deviation dB(A)	3.0	2.1	2.6	2.8	2.0	3.0	3.2	2.9	2.5

NRR = 23 dB

Headband force = 2.8 lbs

Information required by the EPA

The level of noise entering a person's ear, when the hearing protector is worn as instructed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. The environmental noise level as measured at the ear is 92 dBA.
2. The NRR is 21 decibels (dB).
3. The level of noise entering the ear is approximately equal to 92 dB(A) - 21 dB(A).

Caution: For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used.

Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the enclosed instructions for proper fit (i.e. this manual).

Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire.



For more information, see online manual:
www.sordin.com/manuals