

SNR: Simplified Noise Level Reduction

(the number of decibels reduced by the product)

Hearing protectors create a physical noise reducing barrier to avoid damage to the sensitive and fragile parts of the inner ear.



Eighty-five decibels (dB) is the level above which hearing protection is recommended, to avoid hearing loss from the cumulative effects of exposure to noise over time.

How can you tell if the noise level is 85dB?

Here's a quick test: If you have to raise your voice to talk to someone who is an arm's length away from you, you are likely to be in an environment with a sound level of 85dB or more!

Classes

Noise Level Examples	dB	CLASS	Noise Level Range
Ringling Telephone	80	1	Less than 90dB
Loud Radio	80	1	Less than 90dB
Busy Traffic	80	1	Less than 90dB
Band Saws	85	2	Less than 90dB
Power Lawn Mower	90	2	90-95dB
Belt Sander	93	2	90-95dB
Tractor	96	3	95-100dB
Electric Drill	98	3	95-100dB
Bulldozer	105	4	100-105dB
Nail Gun	110	5	110-115dB
Chainsaw	120	5	115-120dB
Proppeller Aircraft	120	5	115-120dB
Gun Shot	130	5	125-130dB
Jet Engine Aircraft	140	5	135-140dB

Sound Pressure in dB (A)	Safe length of Exposure
80 dB (A)	8 Hours
83 dB (A)	4 Hours
86 dB (A)	2 Hours
89 dB (A)	1 Hour
92 dB (A)	30 Minutes
95 dB (A)	15 Minutes
98 dB (A)	7½ Minutes
101 dB (A)	3¾ Minutes
104 dB (A)	2 Minutes
107 dB (A)	1 Minute

SNR
85dB 

Information is a guideline reference only.