SOUND PRESSURE LEVEL

	SP	SPL	
	Pascal	dB re 20 µPa	
Krakatoa explosion at 100 miles (160 km) in air	101,325	194 dB	Theoretical limit for undistorted sound at 1 atmosphere environmental pressure
	20,000	180 dB	
	12,000	176 dB	
M1 Garand being fired at 1 m	5,000	168 dB	Simple open-ended thermoacoustic device
Rifle being fired at 1 m	630	150 dB	
	200	140 dB	Threshold of pain
	100	130 dB	
Hearing damage (due to short-term exposure)	20	approx. 120 dB	Jet at 100 m
	6 – 200	110 – 140 dB	
Jack hammer at 1 m	2	approx. 100 dB	Hearing damage (due to long-term exposure)
	6×10^{-1}	approx. 85 dB	
Major road at 10 m	$2 \times 10^{-1} - 6 \times 10^{-1}$	80 – 90 dB	Passenger car at 10 m
	$2 \times 10^{-2} - 2 \times 10^{-1}$	60 – 80 dB	
TV (set at home level) at 1 m	2×10^{-2}	approx. 60 dB	Normal talking at 1 m
	$2 \times 10^{-3} - 2 \times 10^{-2}$	40 – 60 dB	
Very calm room	$2 \times 10^{-4} - 6 \times 10^{-4}$	20 – 30 dB	Leaves rustling, calm breathing
	6×10^{-5}	10 dB	
Threshold of hearing	2×10^{-5}	0 dB	