

Table 1. Peak Pressure Levels of Various Firearms

<u>Rifle #</u>	<u>Description</u>	<u>dB PPL (SLM)</u>	<u>Pascals peak (RTA)</u>
1.	7 mm Mouser	154.9	1160
2.	.270 cal with BOSS; 130 grain Power Point	164.6	3140
2.	.270 cal with BOSS; 150 grain	163.9	3110
2.	.270 cal with attachment—No BOSS; 130 grain	158.1	1660
2.	.270 cal with attachment—No BOSS; 150 grain	157.3	-
3.	(?) No BOSS, no attachment; 130 grain	157.9	1520
3.	(?) No BOSS, no attachment; 150 grain	157.1	1400
4.	Browning .22/250 with BOSS; 40 grain	163.1	2960
4.	Browning .22/250 with BOSS; 55 grain	162.9	2790
4.	Browning .22/250 with cover—No BOSS; 40 grain	155.3	-
4.	Browning .22/250 with cover—No BOSS; 55 grain	154.1	-
5.	.300 Win Mag bolt with cover—No BOSS; xxx ammo	157.5	1630
5.	.300 Win Mag bolt with cover—No BOSS; high velocity	161.5	2380
5.	.300 Win Mag bolt with BOSS; xxx ammo	164.8	3170
5.	.300 Win Mag bolt with BOSS; high velocity ammo	165.5+	3240
6.	7 mm “Plain Jane”; 140 grain	158.3	1660
6.	7 mm “Plain Jane”; 160 grain	157.5	1545
7.	7 mm with BOSS; 140 grain (same as #6 ammo)	163.6	3110
7.	7 mm with BOSS; 160 grain (same as #6 ammo)	163.5	3110
7.	7 mm with cover—No BOSS; 140 grain (same as #6)	159.5	1880
7.	7 mm with cover—No BOSS; 160 grain (same as #6)	157.8	1460
8.	.300 Win Mag plain barrel; 180 grain	158.3	1650
8.	.300 Win Mag plain barrel; 180 grain high velocity	158.8	1780
9.	.338 Win with cover—No BOSS; 210 grain	157.1	1470
9.	.338 Win with cover—No BOSS; 250 grain	156.8	1430
9.	.338 Win with cover—No BOSS; 250 grain high energy	161.5	1530
9.	.338 Win with BOSS; 210 grain	164.5	3230
9.	.338 Win with BOSS; 250 grain	163.8	3100
9.	.338 Win with BOSS; 250 grain high energy	164.5	3200

Table 2. Duration of Peak Pressure Levels for Various Firearms

<u>Rifle #</u>	<u>Description</u>	<u>dB PPL (SLM)</u>	<u>Duration (millisec)</u>
1.	7 mm Mouser	154.9	3.3
2.	.270 cal with BOSS; 130 grain Power Point	164.6	3.5
2.	.270 cal with BOSS; 150 grain	163.9	3.8
2.	.270 cal with attachment—No BOSS; 130 grain	158.1	3.5
2.	.270 cal with attachment—No BOSS; 150 grain	157.3	-
3.	(?) No BOSS, no attachment; 130 grain	157.9	3.4
3.	(?) No BOSS, no attachment; 150 grain	157.1	3.2
4.	Browning .22/250 with BOSS; 40 grain	163.1	2.9
4.	Browning .22/250 with BOSS; 55 grain	162.9	3.1
4.	Browning .22/250 with cover—No BOSS; 40 grain	155.3	-
4.	Browning .22/250 with cover—No BOSS; 55 grain	154.1	-
5.	.300 Win Mag bolt with cover—No BOSS; xxx ammo	157.5	3.5
5.	.300 Win Mag bolt with cover—No BOSS; high velocity	161.5	3.0
5.	.300 Win Mag bolt with BOSS; xxx ammo	164.8	4.1
5.	.300 Win Mag bolt with BOSS; high velocity ammo	165.5+	3.5
6.	7 mm “Plain Jane”; 140 grain	158.3	3.7
6.	7 mm “Plain Jane”; 160 grain	157.5	3.4
7.	7 mm with BOSS; 140 grain (same as #6 ammo)	163.6	3.7
7.	7 mm with BOSS; 160 grain (same as #6 ammo)	163.5	3.6
7.	7 mm with cover—No BOSS; 140 grain (same as #6)	159.5	2.8
7.	7 mm with cover—No BOSS; 160 grain (same as #6)	157.8	3.5
8.	.300 Win Mag plain barrel; 180 grain	158.3	3.5
8.	.300 Win Mag plain barrel; 180 grain high velocity	158.8	4.0
9.	.338 Win with cover—No BOSS; 210 grain	157.1	3.5
9.	.338 Win with cover—No BOSS; 250 grain	156.8	3.8
9.	.338 Win with cover—No BOSS; 250 grain high energy	161.5	3.7
9.	.338 Win with BOSS; 210 grain	164.5	3.4
9.	.338 Win with BOSS; 250 grain	163.8	3.8
9.	.338 Win with BOSS; 250 grain high energy	164.5	3.8