

49,000 psi Peak Base Pressure at t = 680 microseconds, 6-in from Breech End of Barrel

3250 m/sec Shear Wave Propagation Speed (128,000 ips)

1.038-inch Average Barrel Diameter

QuickLOAD® Data

[All Times in Microseconds]

Barrel Length (L)	QL Muzzle Velocity	QL Dwell Time	Quarter Mode 2	Muzzle Reversal Time	
48	2773	2316	2018	3073	
47	2761	2285	1922	2969	
46	2748	2255	1830	2870	
45	2736	2224	1739	2771	
44	2722	2194	1652	2676	Example 50 BMG Barrel
43	2709	2163	1577	2594	
42	2695	2132	1505	2513	
41	2680	2101	1434	2435	
40	2665	2070	1365	2358	
39	2650	2038	1298	2282	
38	2634	2007	1232	2209	
37	2617	1975	1168	2137	
36	2599	1943	1106	2067	
35	2581	1911	1045	1999	
34	2563	1879	986	1932	
33	2543	1846	929	1867	
32	2523	1813	874	1804	Reversal Before Bullet Exit
31	2501	1780	820	1742	Reversal Before Bullet Exit
30	2479	1746	768	1682	Reversal Before Bullet Exit
29	2455	1713	717	1624	Reversal Before Bullet Exit
28	2431	1679	669	1568	Reversal Before Bullet Exit
27	2405	1644	622	1513	Reversal Before Bullet Exit
26	2378	1609	577	1460	Reversal Before Bullet Exit
25	2349	1574	533	1409	Reversal Before Bullet Exit
24	2319	1538	491	1359	Reversal Before Bullet Exit
23	2286	1502	451	1311	Reversal Before Bullet Exit
22	2252	1465	413	1265	Reversal Before Bullet Exit
21	2216	1428	376	1220	Reversal Before Bullet Exit
20	2177	1390	341	1178	Reversal Before Bullet Exit
19	2135	1351	308	1136	Reversal Before Bullet Exit
18	2090	1312	276	1097	Reversal Before Bullet Exit
17	2041	1272	247	1059	Reversal Before Bullet Exit
16	1988	1230	218	1023	Reversal Before Bullet Exit