

Spreadsheet based on data from Sierra Bullets and top ranked competitive shooters.

Data compiled by Bart B

		Predicted Barrel Life Calculations for Bore Capacity and Powder Charge Weight																		
Bore Diameter	Bore Capacity	Powder Charge Weight Used																		
		20.0	22.5	25.0	27.5	30.0	35.0	40.0	45	50	55	60	65	70	75	80	85	90	95	100
.219	24	4,427	3,498	2,833	2,342	1,968	1,446	1,107	875	708	585	492	419	487						
6mm	28	5,970	4,717	3,821	3,158	2,654	1,950	1,493	1,179	955	789	663	565	622	425					
.250	32	7,615	6,017	4,874	4,028	3,384	2,487	1,904	1,504	1,218	1,007	846	721	675	542	476				
6.5mm	33	8,267	6,532	5,291	4,372	3,674	2,699	2,067	1,633	1,323	1,093	919	783	835	588	517	458			
.270	37		8,082	6,546	5,410	4,546	3,340	2,557	2,020	1,637	1,353	1,137	968	925	727	639	566	505	453	
7mm	39		8,953	7,252	5,993	5,036	3,700	2,833	2,238	1,813	1,498	1,259	1,073	1,273	806	708	627	560	502	453
.300	46			9,978	8,246	6,929	5,091	3,898	3,080	2,494	2,061	1,732	1,476	1,547	1,109	974	863	770	691	624
8mm	50					8,422	6,188	4,737	3,743	3,032	2,506	2,106	1,794	1,863	1,348	1,184	1,049	936	840	758
.330	55						7,453	5,706	4,509	3,652	3,018	2,536	2,161	2,358	1,623	1,427	1,264	1,127	1,012	913
.350	62						9,431	7,221	5,705	4,621	3,819	3,209	2,734	2,358	2,054	1,805	1,599	1,426	1,280	1,155