

CALIBER	BULLET						GAME							VELOCITY				BARREL LENGTH mm	ENERGY				TRAJECTORY					
	Code	NAME	Weight				m/s				Joules				cm / m (Line of Sight 4.5 cm)													
			g	grs	BC G1		0	100	200	300	0	100	200	300	50	100	150	200	250	300								
222 Rem	105G	SPEEDHEAD	3.2	50	0.181							■	970	795	640	505	600	1524	1024	664	414	0.4	2.1	0	-7.0	-19.8	-40.8	
222 Rem Range	105G	SPEEDHEAD	3.2	50	0.181	■						■	970	795	640	505	600	1524	1024	664	414	0.4	2.1	0	-7.0	-19.8	-40.8	
222 Rem	106G	GAMEHEAD	3.2	50	0.181		■					■	970	795	640	505	600	1524	1024	664	414	0.4	2.1	0	-7.0	-19.8	-40.8	
222 Rem	110G	GAMEHEAD	3.56	55	0.207			■				■	950	798	662	540	600	1608	1136	781	520	0.4	2.1	0	-6.8	-19.1	-38.5	
222 Rem	111G	RACEHEAD	3.4	52	0.221							■	930	785	661	547	600	1457	1039	737	503	0.6	2.2	0	-7.1	-20.5	-41.3	
222 Rem	422G	ARROWHEAD	3.2	50	0.238								965	830	708	596	600	1509	1117	812	576	0.2	1.9	0	-6.0	-17.0	-33.6	
222 Rem	490G	POWERHEAD II	3.2	50	0.229								950	815	690	576	600	1444	1062	762	530	0.3	2.0	0	-6.4	-18.0	-35.9	
222 Rem Mag	105G	SPEEDHEAD	3.2	50	0.181	■						■	975	799	644	509	570	1540	1035	673	419	0.4	2.1	0	-6.9	-19.6	-40.3	
222 Rem Mag	106G	GAMEHEAD	3.2	50	0.181		■					■	975	799	644	509	570	1540	1035	673	419	0.4	2.1	0	-6.9	-19.6	-40.3	
222 Rem Mag	110G	GAMEHEAD	3.56	55	0.207			■				■	980	825	686	561	570	1712	1213	839	562	0.2	1.9	0	-6.2	-17.7	-35.4	
223 Rem	105G	SPEEDHEAD	3.2	50	0.181	■						■	1025	843	683	542	600	1702	1151	756	475	0.0	1.8	0	-6.0	-17.3	-35.2	
223 Rem Range	105G	SPEEDHEAD	3.2	50	0.181	■						■	1025	843	683	542	600	1702	1151	756	475	0.0	1.8	0	-6.0	-17.3	-35.2	
223 Rem	106G	GAMEHEAD	3.2	50	0.181		■					■	970	799	644	506	600	1505	1021	664	410	0.4	2.1	0	-6.9	-19.9	-40.8	
223 Rem	110G	GAMEHEAD	3.56	55	0.207			■				■	965	812	674	551	600	1660	1174	810	541	0.3	2.0	0	-6.5	-18.4	-36.9	
223 Rem Range	110G	GAMEHEAD	3.56	55	0.207			■				■	965	812	674	551	600	1660	1174	810	541	0.3	2.0	0	-6.5	-18.4	-36.9	
223 Rem	113G	RACEHEAD	4.5	69	0.300							■	875	774	680	595	600	1712	1338	1033	793	0.8	2.4	0	-7.2	-19.6	-37.8	
223 Rem	422G	ARROWHEAD	3.2	50	0.238								980	844	720	608	600	1556	1154	841	599	0.1	1.8	0	-5.7	-16.3	-37.1	
223 Rem	492G	POWERHEAD II	3.56	55	0.272								985	868	759	657	600	1727	1342	1025	768	0.0	1.6	0	-5.3	-14.9	-29.5	
22-250 Rem	105G	SPEEDHEAD	3.2	50	0.181	■						■	1150	950	776	623	600	2142	1461	976	630	-0.6	1.1	0	-4.4	-12.8	-26.3	
22-250 Rem	106G	GAMEHEAD	3.2	50	0.181		■					■	1125	929	760	609	600	2050	1399	935	602	-0.5	1.2	0	-4.7	-13.6	-27.8	
22-250 Rem	110G	GAMEHEAD	3.56	55	0.207			■				■	1100	931	781	647	600	2156	1544	1087	745	-0.5	1.2	0	-4.6	-13.1	-37.7	
22-250 Rem	422G	ARROWHEAD	3.2	50	0.238							■	1145	991	854	729	600	2124	1591	1181	862	-0.7	0.9	0	-3.8	-12.5	-22.0	
243 Win	112E	GAMEHEAD	5.8	90	0.349			■				■	950	860	775	694	600	2617	2145	1740	1396	0.1	1.7	0	-5.4	-14.8	-28.8	
243 Win	113E	GAMEHEAD	6.5	100	0.367			■				■	905	819	737	660	600	2654	2175	1761	1410	0.3	2.1	0	-6.0	-16.6	-32.3	
243 Win	114E	SPEEDHEAD	5.8	90	0.350		■					■	875	788	706	629	600	2233	1810	1454	1155	0.7	2.3	0	-6.7	-18.4	-35.6	
243 Win	130E	DEERHEAD	6.5	100	0.257					■		■	885	768	660	560	600	2545	1919	1416	1019	0.8	2.5	0	-7.3	-20.2	-40.0	
243 Win	492E	POWERHEAD II	5.2	80	0.331							■	890	797	710	629	600	2053	1647	1308	1026	0.3	2.2	0	-6.5	-18.0	-34.9	
25-06 Rem	125E	GAMEHEAD	7.6	117	0.381			■				■	910	829	753	681	600	3105	2579	2128	1740	0.4	1.9	0	-5.8	-16.0	-30.9	
260 Rem Range	118H	SPEEDHEAD	6.5	100	0.250	■	■					■	915	791	677	574	600	2713	2027	1487	1066	0.6	2.2	0	-6.9	-19.1	-37.2	
260 Rem	121H	RACEHEAD	8.0	123	0.510							■	865	805	748	693	600	2982	2583	2228	1912	0.6	2.2	0	-6.1	-16.7	-32.1	
260 Rem	122H	DEERHEAD	10.1	156	0.360			■			■	■	765	687	613	544	600	2958	2383	1898	1497	1.8	3.5	0	-9.3	-25.1	-48.3	
6.5x55 SE Range	118H	SPEEDHEAD	6.5	100	0.250	■	■					■	875	754	644	543	630	2481	1844	1344	957	0.9	2.6	0	-7.7	-21.1	-41.4	
6.5x55 SE	119H	RACEHEAD	9.1	140	0.526							■	790	735	682	632	630	2811	2433	2096	1796	1.3	2.9	0	-7.9	-21.1	-39.9	
6.5x55 SE	122H	DEERHEAD	10.1	156	0.377							■	760	684	613	546	630	2920	2366	1898	1507	1.9	3.6	0	-9.3	-24.9	-48.3	
6.5x55 SE	493H	POWERHEAD II	7.8	120	0.443							■	855	788	723	661	630	2851	2419	2038	1704	0.7	2.3	0	-6.6	-17.9	-34.3	
270 Win	211B	HAMMERHEAD	10.1	156	0.321							■	830	738	653	573	580	3482	2756	2155	1660	1.1	2.8	0	-8.0	-21.6	-41.5	
270 Win	485B	POWERHEAD	8.4	130	0.431							■	915	842	772	706	580	3527	2985	2514	2102	0.3	1.9	0	-5.6	-15.2	-29.4	
7x33 Sako	108B	SPEEDHEAD	5.1	78	0.147	■	■					■	750	568	412	280	600	1434	823	432	200	3.4	5.6	0	-16.3	-48.4	-104	
7x33 Sako	109B	GAMEHEAD	5.1	78	0.147			■				■	750	568	412	280	600	1434	823	432	200	3.4	5.6	0	-16.3	-48.4	-104	
7x64	121B	GAMEHEAD	7.8	120	0.328			■				■	935	840	751	666	580	3409	2754	2197	1730	0.3	1.9	0	-5.7	-15.9	-31.3	
7x64	216B	HAMMERHEAD	11.0	170	0.407							■	795	724	656	593	580	3481	2887	2375	1936	1.4	3.1	0	-8.3	-22.1	-42.0	
7x64	407B	ARROWHEAD II	9.7	150	0.515							■	860	801	744	690	580	3595	3118	2692	2313	0.7	2.2	0	-6.2	-16.9	-32.5	
7x64	495B	POWERHEAD II	9.7	150	0.450							■	860	793	728	667	580	3595	3053	2578	2163	0.7	2.3	0	-6.4	-17.6	-33.9	
7 x 65R	216B	HAMMERHEAD	11	170	0.407							■	790	719	652	589	580	3438	2843	2343	1908	1.5	3.1	0	-8.4	-22.4	-42.4	
7 mm Rem Mag	216B	HAMMERHEAD	11.0	170	0.407							■	860	786	715	648	630	4074	3400	2816	2315	0.7	2.3	0	-6.7	-18.3	-35.2	
7 mm Rem Mag	407B	ARROWHEAD II	9.7	150	0.515							■	890	830	772	716	630	3850	3345	2895	2493	0.4	2.0	0	-5.8	-15.5	-29.8	
7 mm Rem Mag	495B	POWERHEAD II	9.7	150	0.450							■	890	821	756	693	630	3850	3277	2774	2334	0.5	2.1	0	-5.1	-16.1	-31.1	
300 BLK	120A	SPEEDHEAD	8.0	123	0.330	■						■	640	563	490	423	500	1638	1266	961	714	4.1	5.9	0	-14.8	-39.8	-76.9	
300 BLK	129A	GAMEHEAD	8.0	123	0.320		■					■	635	556	481	412	500	1613	1234	927	681	4.2	6.1	0	-15.2	-41.1	-79.6	
300 BLK SUBSONIC	137A	RACEHEAD	14.3	220	0.608							■	365	344	327	314	500	950	846	765	701	17.0	18.8	0	-40.9	-	-	
7.62 x 39	117A	SPEEDHEAD	8.0	123	0.342							■	715	632	555	487	420	2045	1598	1233	948	2.7	4.4	0	-11.4	-31.6	-60.4	
7.62 x 39	134A	GAMEHEAD	8.0	123	0.342							■	715	632	555	487	420	2045	1598	1233	948	2.7	4.4	0	-11.4	-31.6	-60.4	

SAKO RIFLE CARTRIDGES

Before hunting check the local caliber / bullet regulations. Unprimed cases for all the calibers in the data table are available for reloaders.



FURRED SMALL GAME AND GAME BIRDS



TARGET SHOOTING, COMPETITION

ARROWHEAD = Nosler Ballistic Tip®

DEERHEAD = SP Bonded core



VARMINT AND SMALL GAME

S HAMMERHEAD = SPBT Bonded core

ARROWHEAD II = Swift Scirocco II®

COPPERHEAD = Expanding copper bullet



LIGHT "BIG GAME", ROE DEER AND SMALL ANTELOPES

HAMMERHEAD = SP Bonded core

SPEEDHEAD = Full metal jacket

BT = Boat tail



BIG GAME, DEER AND

CALIBER	BULLET					GAME							VELOCITY				BARREL LENGTH	ENERGY				TRAJECTORY					
	Code	NAME	Weight			H	A	S	F	B	P	C	m/s					Joules				cm / m (Line of Sight 4.5 cm)					
			g	grs	BC G1								0	100	200	300	mm	0	100	200	300	50	100	150	200	250	300
308 Win	120A	SPEEDHEAD	8.0	123	0.330	■						■	890	797	710	628	600	3157	2548	2008	1573	0.6	2.2	0	-6.5	-18.0	-35.0
308 Win Range	120A	SPEEDHEAD	8.0	123	0.330	■						■	890	797	710	628	600	3157	2548	2008	1573	0.6	2.2	0	-6.5	-18.0	-35.0
308 Win	129A	GAMEHEAD	8.0	123	0.320			■	■			■	920	822	731	645	600	3373	2693	2128	1660	0.4	2.0	0	-6.0	-16.7	-32.6
308 Win	141A	RACEHEAD	10.9	168	0.462							■	810	747	687	629	600	3571	3041	2569	2154	1.1	2.8	0	-7.5	-20.2	-38.6
308 Win Super Range	146A	HOLLOWPOINT	6.6	102	0.236							■	935	802	681	571	600	2889	2127	1534	1079	0.4	2.1	0	-6.6	-18.6	-36.5
308 Win	227A	HAMMERHEAD	13.0	200	0.356							■	710	634	563	498	600	3267	2607	2054	1608	2.6	4.2	0	-11.2	-30.5	-58.8
308 Win	235A	SUPER HAMMERHEAD	9.7	150	0.410							■	855	781	712	645	600	3546	2961	2456	2020	0.8	2.3	0	-6.8	-18.5	-35.6
308 Win	236A	SUPER HAMMERHEAD	11.7	180	0.421							■	760	693	630	570	600	3369	2802	2313	1892	1.8	3.5	0	-9.1	-24.0	-45.8
308 Win	256A	HAMMERHEAD	11.7	180	0.387							■	750	678	610	546	600	3281	2681	2169	1739	2.0	3.7	0	-9.5	-25.3	-49.0
308 Win Wild Boar	256A	HAMMERHEAD	11.7	180	0.387							■	750	678	610	546	600	3281	2681	2169	1739	2.0	3.7	0	-9.5	-25.3	-49.0
308 Win	408A	ARROWHEAD II	11.7	180	0.520							■	780	725	672	621	600	3548	3063	2631	2248	1.4	3.1	0	-8.2	-21.8	-41.1
308 Win	496A	POWERHEAD II	10.9	168	0.470							■	780	719	660	605	600	3312	2813	2375	1992	1.5	3.1	0	-8.5	-22.6	-43.4
7.62x53R Range	120A	SPEEDHEAD	8.0	123	0.330	■	■					■	900	800	709	626	580	3240	2561	2009	1569	0.6	2.4	0	-6.5	-18.6	-35.7
7.62x53R	227A	HAMMERHEAD	13.0	200	0.356							■	720	644	572	506	580	3359	2684	2118	1660	2.5	4.1	0	-10.6	-24.4	-36.7
7.62x53R	236A	SUPER HAMMERHEAD	11.7	180	0.421							■	770	703	639	578	580	3458	2879	2380	1949	1.7	3.4	0	-8.8	-23.4	-44.4
7.62x53R	256A	HAMMERHEAD	11.7	180	0.387							■	765	692	623	558	580	3413	2794	2266	1819	1.8	3.6	0	-9.1	-24.1	-46.0
30-06 Spring	120A	SPEEDHEAD	8.0	123	0.330	■	■					■	890	797	710	628	600	3157	2548	2008	1573	0.6	2.2	0	-6.5	-18.0	-35.0
30-06 Spring Range	120A	SPEEDHEAD	8.0	123	0.330	■	■					■	890	797	710	628	600	3157	2548	2008	1573	0.6	2.2	0	-6.5	-18.0	-35.0
30-06 Spring	129A	GAMEHEAD	8.0	123	0.320			■	■			■	940	841	748	662	600	3521	2816	2230	1745	0.2	1.9	0	-5.7	-15.7	-30.9
30-06 Spring	228A	HAMMERHEAD	14.3	220	0.408							■	720	653	590	530	600	3695	3041	2478	2006	2.4	4.0	0	-10.1	-27.5	-53.2
30-06 Spring	235A	SUPER HAMMERHEAD	9.7	150	0.410							■	900	824	752	684	600	3929	3293	2742	2267	0.4	2.0	0	-5.9	-16.1	-31.2
30-06 Spring	236A	SUPER HAMMERHEAD	11.7	180	0.421							■	820	750	684	621	600	3922	3282	2727	2248	1.1	2.7	0	-7.6	-20.5	-38.9
30-06 Spring	256A	HAMMERHEAD	11.7	180	0.387							■	820	745	673	605	600	3934	3244	2649	2140	1.1	2.8	0	-7.6	-20.7	-38.4
30-06 Spring	408A	ARROWHEAD II	11.7	180	0.520							■	815	758	704	652	600	3874	3354	2889	2477	1.0	2.6	0	-7.3	-19.6	-37.3
30-06 Spring	497A	POWERHEAD II	11.7	180	0.484							■	830	769	710	654	600	4030	3460	2953	2504	0.9	2.5	0	-7.0	-18.8	-35.9
300 WSM	236A	SUPER HAMMERHEAD	11.7	180	0.421							■	885	812	742	676	600	4568	3844	3214	2669	0.5	2.1	0	-6.1	-16.6	-32.2
300 WSM	408A	ARROWHEAD II	11.7	180	0.520							■	880	821	764	709	600	4517	3927	3401	2932	0.5	2.1	0	-5.9	-15.9	-30.6
300 Win Mag	140A	RACEHEAD	11.3	175	0.505							■	925	863	804	746	650	4834	4210	3649	3146	0.1	1.7	0	-5.2	-14.2	-27.3
300 Win Mag	228A	HAMMERHEAD	14.3	220	0.408							■	805	734	666	602	650	4619	3836	3162	2583	1.3	2.9	0	-8.0	-21.5	-40.8
300 Win Mag	235A	SUPER HAMMERHEAD	9.7	150	0.410							■	1010	927	850	776	650	4948	4172	3503	2924	-0.3	1.3	0	-4.4	-12.3	-23.8
300 Win Mag	236A	SUPER HAMMERHEAD	11.7	180	0.421							■	880	807	738	672	650	4517	3799	3175	2635	0.6	2.2	0	-6.1	-16.9	-32.7
300 Win Mag	409A	ARROWHEAD II	11.7	180	0.520							■	885	825	768	713	650	4568	3973	3442	2967	0.5	2.0	0	-5.9	-15.7	-30.1
300 Win Mag	497A	POWERHEAD II	11.7	180	0.484							■	880	817	757	699	650	4530	3907	3350	2856	0.5	2.1	0	-6.0	-16.3	-31.2
8.2x53R	201F	HAMMERHEAD	13.0	200	0.276							■	740	641	550	469	600	3549	2662	1958	1423	2.4	4.1	0	-11.2	-30.9	-59.9
8x57IS	120F	GAMEHEAD	9.7	150	0.330							■	815	725	641	560	580	3228	2557	1998	1527	1.3	3.0	0	-8.3	-22.3	-43.2
8x57IS	201F	HAMMERHEAD	13.0	200	0.276							■	765	664	571	487	580	3793	2857	2110	1539	2.1	3.8	0	-10.1	-28.2	-55.2
8x57IS	498F	POWERHEAD II	10.4	160	0.400							■	815	742	673	607	580	3454	2865	2355	1916	1.2	2.8	0	-7.7	-20.8	-39.8
8x57IRS	121F	GAMEHEAD	11.3	175	0.374							■	775	699	627	559	580	3406	2771	2231	1772	1.7	3.5	0	-8.9	-23.7	-45.8
8x57IRS	201F	HAMMERHEAD	13.0	200	0.276							■	720	622	533	454	580	3359	2511	1842	1336	2.7	4.4	0	-12.2	-33.2	-63.7
338 Win Mag	211F	HAMMERHEAD	16.2	250	0.342							■	745	664	588	518	620	4496	3572	2801	2176	2.2	3.9	0	-9.8	-27.1	-52.8
338 Lapua Mag.	300F	RACEHEAD	19.4	300	0.768							■	835	795	757	719	650	6781	6144	5566	5022	1.1	2.5	0	-6.4	-16.9	-32
9.3x53R Finnish	102D	GAMEHEAD	16.6	256	0.244							■	685	578	483	403	600	3877	2760	1930	1344	3.6	5.6	0	-14.5	-38.9	-76.7
9.3x62 Range	132D	SPEEDHEAD	15.0	231	0.380							■	750	677	608	543	580	4228	3442	2775	2214	2.0	3.7	0	-9.5	-25.4	-49.4
9.3x62	266D	HAMMERHEAD	18.5	286	0.315							■	710	625	546	475	580	4663	3611	2755	2083	2.7	4.4	0	-11.9	-32.3	-62.0
9.3x62	460D	ARROWHEAD	16.2	250	0.494							■	745	688	634	582	580	4496	3839	3258	2745	1.9	3.5	0	-9.1	-24.3	-46.1
9.3x62	477D	POWERHEAD	16.2	250	0.361							■	730	654	582	517	580	4317	3465	2748	2162	2.3	4.0	0	-10.1	-27.9	-54.3
9.3x66 Sako Range	132D	SPEEDHEAD	15.0	231	0.380							■	760	686	616	551	580	4342	3538	2856	2281	1.9	3.6	0	-9.3	-24.6	-47.7
9.3x66 Sako	266D	HAMMERHEAD	18.5	286	0.315							■	765	676	593	517	580	5414	4227	3253	2473	2.0	3.7	0	-9.5	-26.2	-51.4
9.3x66 Sako	479D	POWERHEAD	18.5	286	0.411							■	745	677	613	552	580	5134	4250	3482	2828	2.1	3.7	0	-9.5	-25.1	-48.6
9.3x74R	266D	HAMMERHEAD	18.5	286	0.315							■	685	601	525	456	630	4341	3346	2546	1921	3.1	5.0	0	-13.1	-35.2	-67.0
9.3x74R	477D	POWERHEAD	16.2	250	0.361							■	720	645	574	509	630	4199	3366	2666	2096	2.5	4.1	0	-10.6	-29.1	-56.3
375 H&H Mag	478D	POWERHEAD	17.5	270	0.326							■	810	721	638	560	620	5740	4548	3560	2746	1.4	3.1	0	-8.4	-22.5	-43.7
375 H&H Mag	480D	TWINHEAD II	19.4	300	0.325							■	760	674	594	520	620	5615	4416	3426	2627	2.0	3.7	0	-9.5	-26.3	-51.4
375 H&H Mag	702D	DS SOLID	17.5	270	0.284							■	805	704	610	524	620	5669	4332	3254	2404	1.5	3.3	0	-8.9	-24.2	-47.8
416 Rigby	485D	TWINHEAD II	25.9	400	0.367							■	735	660	589	522	650	6996	5640	4492	3529	2.2	3.9	0	-10.2	-2	