sako CARTRIDGES

.308 Winchester

BARREL: Sako | BARREL LENGTH: 600 mm | CASES: Sako, trim to lenght 51 mm (2.008”)
TWIST: 1:11” | DIAMETER: 0.308” | Ballistic coefficient G1 value measured from 10m =>100m speed diference.

Disclaimer:
All of this reloading information has been provided by Sako OY. The data given here were obtained in laboratory conditions following strictly the CIP (Commission International Permanente) June 13, 1990 and November 9, 1993 rules. The listed maximum loads have been determined according to the respective CIP maximum pressure specification. These test methods have been deemed to be safe throughout the world. Pressure is measured at the case mouth or from inside the case according to the CIP. **DO NOT ATTEMPT ANY EXTRAPOLATIONS. PLEASE FOLLOW THE DATA AS WRITTEN. IT IS A MUST FOR EVERY RELOADER TO READ THE RELOADING SAFETY RULES.** Powder, primer, case, and bullet batch and other variables change how presure grows. Max load is measured whit currently available materials. **DO NOT START WHIT MAX LOAD VALUES!** Max load is measured to CIP MAX presure or the amount of powder that can be compressed in case.

GAMEHEAD

Weight	8,0g/123gr	Ballistic Coefficient	0.250
Bullet Type	Soft Point	Sectional density	0.184

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
129A	CCI 200	VihtaVuori	N133		Soft Point	68	2,40	787,0	2,95	969,0	2,68	37,0	2582	45,5	3179
129A	CCI 200	VihtaVuori	N135	F	Soft Point	68	2,55	785,0	3	942,0	2,68	39,4	2575	46,3	3091
129A	CCI 200	VihtaVuori	N140	C	Soft Point	68	2,70	775,0	3,2	939,0	2,68	41,7	2543	49,4	3081

Weight	9,7g/150gr	Ballistic Coefficient	0.304
Bullet Type	Soft Point	Sectional density	0.224

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
152A	CCI 200	VihtaVuori	N135		Soft Point BT	68,2	2,10	685	2,82	866	2,69	32,4	2247	43,5	2841
152A	CCI 200	VihtaVuori	N140	C	Soft Point BT	68,2	2,60	707	3,1	870	2,69	40,1	2320	47,8	2854
152A	CCI 200	VihtaVuori	N530		Soft Point BT	68,2	2,25	701	2,82	886	2,69	34,7	2300	43,5	2907

Weight	11,7g/180gr	Ballistic Coefficient	0.365
Bullet Type	Soft Point	Sectional density	0.269

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
153A	CCI 200	VihtaVuori	N135		Soft Point BT	68,5	2,00	610,0	2,57	764,0	2,70	30,9	2001	39,7	2507
153A	CCI 200	VihtaVuori	N140		Soft Point BT	68,5	2,40	671,0	2,75	777,0	2,70	37,0	2201	42,4	2549
153A	CCI 200	VihtaVuori	N540		Soft Point BT	68,5	2,30	644,0	2,82	806,0	2,70	35,5	2113	43,5	2644

GAMEHEAD VARMINT RX

Weight	8,4g/130gr	Ballistic Coefficient	0.216
Bullet Type	Hollowpoint BT	Sectional density	0.194

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
151A	CCI 200	VihtaVuori	N135	F	Hollowpoint BT	66,7	2,45	770,0	2,95	933,0	2,63	37,8	2526	45,5	3061
151A	CCI 200	VihtaVuori	N530		Hollowpoint BT	66,7	2,40	763,0	2,94	957,0	2,63	37,0	2503	45,4	3140
151A	CCI 200	VihtaVuori	N140	F	Hollowpoint BT	66,7	2,70	784,0	3,15	745,0	2,63	41,7	2572	48,6	2444

HAMMERHEAD

Weight	11.7g/180gr	Ballistic Coefficient	0.221
Bullet Type	Bonded Soft Point	Sectional density	0.269

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
256A	CCI 200	VihtaVuori	N135		Bonded Soft Point	68,8	2,10	620	2,64	768,0	2,71	32,4	2034	40,7	2520
256A	CCI 200	VihtaVuori	N140		Bonded Soft Point	68,8	2,30	627	2,81	778,0	2,71	35,5	2057	43,4	2552
256A	CCI 200	VihtaVuori	N540		Bonded Soft Point	68,8	2,85	629	2,85	805,0	2,71	44,0	2064	44,0	2641

Weight	13g/200gr	Ballistic Coefficient	0.324
Bullet Type	Bonded Soft Point	Sectional density	0.299

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
227A	CCI 200	VihtaVuori	N140		Bonded Soft Point	69,8	2,10	568	2,73	730,0	2,75	32,4	1864	42,1	2395
227A	CCI 200	VihtaVuori	N540		Bonded Soft Point	69,8	2,20	594	2,76	757,0	2,75	34,0	1949	42,6	2484
227A	CCI 200	VihtaVuori	N150	F	Bonded Soft Point	69,8	2,20	595	2,8	745,0	2,75	34,0	1952	43,2	2444

Weight	14,3g/220gr	Ballistic Coefficient	0.376
Bullet Type	Bonded Soft Point	Sectional density	0.329

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity(m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
228A	CCI 200	VihtaVuori	N140		Bonded Soft Point	69,8	2,00	525	2,64	670,0	2,75	30,9	1722	40,7	2198
228A	CCI 200	VihtaVuori	N540	F	Bonded Soft Point	69,8	2,10	565	2,69	713,0	2,75	32,4	1854	41,5	2339
228A	CCI 200	VihtaVuori	N150	F	Bonded Soft Point	69,8	2,10	560	2,69	696,0	2,75	32,4	1837	41,5	2283

SUPER HAMMERHEAD

Weight	9,7g/150gr	Ballistic Coefficient	0.273
Bullet Type	Bonded Semi Spitzer	Sectional density	0.224

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
235A	CCI 200	VihtaVuori	N135		Bonded Semi Spitzer	69,2	2,10	680	2,83	866	2,72	32,4	2231	43,7	2841
235A	CCI 200	VihtaVuori	N530		Bonded Semi Spitzer	69,2	2,30	715	2,85	886	2,72	35,5	2346	44,0	2907
235A	CCI 200	VihtaVuori	N140	F	Bonded Semi Spitzer	69,2	2,40	695	3,01	872	2,72	37,0	2280	46,5	2861

Weight	11,7g/180gr	Ballistic Coefficient	0.342
Bulet Type	Bonded Semi Spitzer	Sectional density	0.269

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
236A	CCI 200	VihtaVuori	N140		Bonded Semi Spitzer	69,2	2,20	617	2,85	776	2,72	34,0	2024	44,0	2546
236A	CCI 200	VihtaVuori	N540		Bonded Semi Spitzer	69,2	2,30	640	2,85	804	2,72	35,5	2100	44,0	2638
236A	CCI 250	VihtaVuori	N150	F	Bonded Semi Spitzer	69,2	2,20	653	2,85	783	2,72	34,0	2142	44,0	2569

BLADE

Weight	10,5g/162gr	Ballistic Coefficient	0.398
Bullet Type	Expanding Copper	Sectional density	0.244

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
656A	CCI 200	VihtaVuori	N135		Expanding Copper	71,0	2,00	620	2,64	802,00	2,80	30,9	2034	40,7	2631
656A	CCI 200	VihtaVuori	N140	F	Expanding Copper	71,0	2,20	630	2,8	797,00	2,80	34,0	2067	43,2	2615
656A	CCI 200	VihtaVuori	N530		Expanding Copper	71,0	2,10	652	2,62	831,00	2,80	32,4	2139	40,4	2726
656A	CCI 250	VihtaVuori	N540	F	Expanding Copper	71,0	2,25	663	2,82	813,00	2,80	34,7	2175	43,5	2667

Weight	11g/168gr	Ballistic Coefficient	0.410
Bullet Type	Expanding Copper	Sectional density	0.256

						METRIC					IMPERIAL				
Code	Primer	Powder	Poweder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
657A	CCI 200	VihtaVuori	N140		Expanding Copper	71,0	2,20	627	2,75	779,00	2,80	34,0	2057	42,4	2556
657A	CCI 250	VihtaVuori	N540		Expanding Copper	71,0	2,20	630	2,77	791,00	2,80	34,0	2067	42,7	2595
657A	CCI 250	VihtaVuori	N150	F	Expanding Copper	71,0	2,21	630	2,75	762,00	2,80	34,1	2067	42,4	2500

SPEEDHEAD

Weight	8,0g/123gr	Ballistic Coefficient	0.273
Bullet Type	Full metal jacket	Sectional density	0.184

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
120A	CCI 200	VihtaVuori	N133		Full Metal Jacket	68,0	2,40	780,0	2,95	969,0	2,68	37,0	2559	45,5	3179
120A	CCI 200	VihtaVuori	N135	F	Full Metal Jacket	68,0	2,60	790,0	3,00	942,0	2,68	40,1	2592	46,3	3091
120A	CCI 200	VihtaVuori	N530	F	Full Metal Jacket	68,0	2,40	768,0	2,99	967,0	2,68	37,0	2520	46,1	3173
120A	CCI 200	VihtaVuori	N140	C	Full Metal Jacket	68,0	2,80	800,0	3,20	925,0	2,68	43,2	2625	49,4	3035

SUPER RANGE

Weight	6,6g/102gr	Ballistic Coefficient	0.235
Bullet Type	Open Tip Match	Sectional density	0.153

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
146A	CCI 200	VihtaVuori	N130		Open Tip Match						0,00	0,0	0	0,0	0
146A	CCI 200	VihtaVuori	N133	V/F	Open Tip Match	67,8	2,50	844,0	3,00	1023,0	2,67	38,6	2769	46,3	3356
146A	CCI 200	VihtaVuori	N135	F	Open Tip Match	67,8	2,70	860,0	3,00	973,0	2,67	41,7	2822	46,3	3192
146A	CCI 200	VihtaVuori	N140	C	Open Tip Match	67,8	2,80	815,0	3,20	950,0	2,67	43,2	2674	49,4	3117

Weight	6,6g/102gr	Ballistic Coefficient	0.225
Bullet Type	Open Tip Match	Sectional density	0.153

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
147A	CCI 200	VihtaVuori	N130		Open Tip Match						0,00	0,0	0	0,0	0
147A	CCI 200	VihtaVuori	N133	V/F	Open Tip Match	67,8	2,5	844,0	3,00	1023,0	2,67	38,6	2769	46,3	3356
147A	CCI 200	VihtaVuori	N135	F	Open Tip Match	67,8	2,7	860,0	3,00	973,0	2,67	41,7	2822	46,3	3192
147A	CCI 200	VihtaVuori	N140	C	Open Tip Match	67,8	2,8	815,0	3,20	950,0	2,67	43,2	2674	49,4	3117

Weight	8,4g/130gr	Ballistic Coefficient	0.287
Bullet Type	Open Tip Match	Sectional density	0.194

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
144A	CCI 200	VihtaVuori	N133		Open Tip Match	67,5	2,40	778,0	2,89	940,0	2,66	37,0	2552	44,6	3084
144A	CCI 200	VihtaVuori	N135	F	Open Tip Match	67,5	2,50	777,0	3,00	940,0	2,66	38,6	2549	46,3	3084
144A	CCI 250	VihtaVuori	N135	F	Open Tip Match	67,5	2,45	775,0	3,00	945,0	2,66	37,8	2543	46,3	3100
144A	CCI 200	VihtaVuori	N140	C	Open Tip Match	67,5	2,80	814,0	3,20	935,0	2,66	43,2	2671	49,4	3068

Notifications explained:
F – Case full
C – Compressed Load
V – Muzzle velocity exceeding 1000 m/s (3300 fps) may lead to severe barrel fouling!

sako
CARTRIDGES

.30-06 Springfield

BARREL: Sako | BARREL LENGTH: 600mm | CASES: Sako, trim to lenght 63,10 mm (2.484")
TWIST: 1:11" | DIAMETER: 0.308" | Ballistic coefficient G1 value measured from 10m =>100m speed diference.

GAMEHEAD

Weight 8,0g/123gr — **Ballistic Coefficient** 0.250
Bullet Type Soft Point — **Sectional density** 0.184

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
129A	CCI 200	VihtaVuori	N135		Soft Point	80	2,82	835,0	3,55	998,0	3,15	43,5	2740	54,8	3274
129A	CCI 200	VihtaVuori	N140	V	Soft Point	80	3,05	835,0	3,77	1010,0	3,15	47,1	2740	58,2	3314
129A	CCI 200	VihtaVuori	N150	F/V	Soft Point	80	3,08	847,0	3,83	1016,0	3,15	47,5	2779	59,1	3333

Weight 9,7g/150gr — **Ballistic Coefficient** 0.304
Bullet Type Soft Point — **Sectional density** 0.224

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
152A	CCI 200	VihtaVuori	N140		Soft Point BT	80	2,70	745	3,52	917	3,15	41,7	2444	54,3	3009
152A	CCI 200	VihtaVuori	N540		Soft Point BT	80	2,80	760	3,58	930	3,15	43,2	2493	55,2	3051
152A	CCI 200	VihtaVuori	N150		Soft Point BT	80	2,72	751	3,54	921	3,15	42,0	2464	54,6	3022
152A	CCI 250	VihtaVuori	N160	C	Soft Point BT	80	2,9	740	4	917	3,15	44,8	2428	61,7	3009

Weight 11,7g/180gr — **Ballistic Coefficient** 0.365
Bullet Type Soft Point — **Sectional density** 0.269

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
153A	CCI 200	VihtaVuori	N150		Soft Point BT	80	2,60	690,0	3,20	805,0	3,15	40,1	2264	49,4	2641
153A	CCI 200	VihtaVuori	N550		Soft Point BT	80	2,75	690,0	3,51	845,0	3,15	42,4	2264	54,2	2772
153A	CCI 200	VihtaVuori	N555	C	Soft Point BT	80	3,10	700,0	3,80	852,0	3,15	47,8	2297	58,6	2795
153A	CCI 250	VihtaVuori	N555	F	Soft Point BT	80	3,00	700,0	3,77	862,0	3,15	46,3	2297	58,2	2828
153A	CCI 200	VihtaVuori	N160	F	Soft Point BT	80	2,85	685,0	3,77	845,0	3,15	44,0	2247	58,2	2772

GAMEHEAD VARMINT RX

Weight 8,4g/130gr — **Ballistic Coefficient** 0.216
Bullet Type Hollowpoint BT — **Sectional density** 0.194

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
151A	CCI 200	VihtaVuori	N135		Hollowpoint BT	78,3	2,77	810,0	3,42	960,0	3,08	42,7	2657	52,8	3150
151A	CCI 200	VihtaVuori	N140		Hollowpoint BT	78,3	2,88	810,0	3,6	968,0	3,08	44,4	2657	55,6	3176
151A	CCI 200	VihtaVuori	N150		Hollowpoint BT	78,3	2,90	815,0	3,63	970,0	3,08	44,8	2674	56,0	3182

HAMMERHEAD

Weight 11,7g/180gr — **Ballistic Coefficient** 0.221
Bullet Type Bonded Soft Point — **Sectional density** 0.269

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity(m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
256A	CCI 200	VihtaVuori	N150		Bonded Soft Point	81,2	2,70	700	3,3	815,0	3,20	41,7	2297	50,9	2674
256A	CCI 200	VihtaVuori	N550		Bonded Soft Point	81,2	2,85	690	3,6	855,0	3,20	44,0	2264	55,6	2805
256A	CCI 200	VihtaVuori	N555	C	Bonded Soft Point	81,2	3,10	700	3,85	845,0	3,20	47,8	2297	59,4	2772
256A	CCI 250	VihtaVuori	N555	C	Bonded Soft Point	81,2	3,10	705	3,85	865,0	3,20	47,8	2313	59,4	2838
256A	CCI 200	VihtaVuori	N160	F	Bonded Soft Point	81,2	3,00	680	3,9	855,0	3,20	46,3	2231	60,2	2805

Weight 13g/200gr — **Ballistic Coefficient** 0.324
Bullet Type Bonded Soft Point — **Sectional density** 0.299

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity(m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity(fps)	Maximum Charge (Grain)	Velocity (fps)
227A	CCI 200	VihtaVuori	N550		Bonded Soft Point	81,6	2,80	660	3,43	802,0	3,21	43,2	2165	52,9	2631
227A	CCI 200	VihtaVuori	N555	C	Bonded Soft Point	81,6	3,00	664	3,8	811,0	3,21	46,3	2178	58,6	2661
227A	CCI 250	VihtaVuori	N555	C	Bonded Soft Point	81,6	3,00	668	3,77	820,0	3,21	46,3	2192	58,2	2690
227A	CCI 200	VihtaVuori	N160	F	Bonded Soft Point	81,6	2,90	640	3,76	800,0	3,21	44,8	2100	58,0	2625

Weight 14,3g/220gr — **Ballistic Coefficient** 0.376
Bullet Type Bonded Soft Point — **Sectional density** 0.329

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity(m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity(fps)	Maximum Charge (Grain)	Velocity (fps)
228A	CCI 200	VihtaVuori	N555	C	Bonded Soft Point	82,5	3,00	645	3,7	780,0	3,25	46,3	2116	57,1	2559
228A	CCI 200	VihtaVuori	N160		Bonded Soft Point	82,5	2,90	645	3,5	745,0	3,25	44,8	2116	54,0	2444
228A	CCI 250	VihtaVuori	N560	C	Bonded Soft Point	82,5	3,00	605	3,72	770,0	3,25	46,3	1985	57,4	2526

SUPER HAMMERHEAD

Weight 9,7g/150gr — **Ballistic Coefficient** 0.273
Bullet Type Bonded Semi Spitzer — **Sectional density** 0.224

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity(fps)	Maximum Charge (Grain)	Velocity (fps)
235A	CCI 250	VihtaVuori	N540		Bonded Soft Point	80	2,80	750	3,61	940	3,15	43,2	2461	55,7	3084
235A	CCI 200	VihtaVuori	N150		Bonded Soft Point	80	2,80	770	3,55	915	3,15	43,2	2526	54,8	3002
235A	CCI 200	VihtaVuori	N550	F	Bonded Soft Point	80	2,90	760	3,85	948	3,15	44,8	2493	59,4	3110

Weight 11,7g/180gr — **Ballistic Coefficient** 0.342
Bulet Type Bonded Semi Spitzer — **Sectional density** 0.269

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
236A	CCI 200	VihtaVuori	N150		Bonded Soft Point	79,8	2,60	690	3,15	802	3,14	40,1	2264	48,6	2631
236A	CCI 200	VihtaVuori	N550		Bonded Soft Point	79,8	2,75	683	3,49	849	3,14	42,4	2241	53,9	2785
236A	CCI 200	VihtaVuori	N555	F	Bonded Soft Point	79,8	3,00	710	3,8	850	3,14	46,3	2329	58,6	2789
236A	CCI 250	VihtaVuori	N555	F	Bonded Soft Point	79,8	3,00	715	3,79	862	3,14	46,3	2346	58,5	2828

BLADE

Weight 10,5g/162gr — **Ballistic Coefficient** 0.398
Bullet Type Expanding Copper — **Sectional density** 0.244

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
656A	CCI 200	VihtaVuori	N150		Expanding Copper	82,9	2,60	715	3,15	835,00	3,26	40,1	2346	48,6	2740
656A	CCI 200	VihtaVuori	N550		Expanding Copper	82,9	2,80	705	3,45	875,00	3,26	43,2	2313	53,2	2871
656A	CCI 250	VihtaVuori	N555	C	Expanding Copper	82,9	3,00	732	3,65	877,00	3,26	46,3	2402	56,3	2877
656A	CCI 250	VihtaVuori	N160	C	Expanding Copper	82,9	2,90	690	3,6	852,00	3,26	44,8	2264	55,6	2795

Weight 11g/168gr — **Ballistic Coefficient** 0.410
Bullet Type Expanding Copper — **Sectional density** 0.256

						METRIC					IMPERIAL				
Code	Primer	Powder	Poweder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
657A	CCI 200	VihtaVuori	N150		Expanding Copper	83,1	2,60	700	3,1	812,00	3,27	40,1	2297	47,8	2664
657A	CCI 250	VihtaVuori	N550		Expanding Copper	83,1	2,75	690	3,38	860,00	3,27	42,4	2264	52,2	2822
657A	CCI 250	VihtaVuori	N555	C	Expanding Copper	83,1	3,00	715	3,6	844,00	3,27	46,3	2346	55,6	2769
657A	CCI 250	VihtaVuori	N160	C	Expanding Copper	83,1	2,90	695	3,6	830,00	3,27	44,8	2280	55,6	2723

SPEEDHEAD

Weight 8,0g/123gr — **Ballistic Coefficient** 0.273
Bullet Type Full metal jacket — **Sectional density** 0.184

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
120A	CCI 200	VihtaVuori	N135		Open Tip Match	79,5	3,00	850	3,58	1000,0	3,13	46,3	2789	55,2	3281
120A	CCI 200	VihtaVuori	N140	V	Full Metal Jacket	79,5	3,00	830	3,75	1010,0	3,13	46,3	2723	57,9	3314
120A	CCI 200	VihtaVuori	N150	V	Full Metal Jacket	79,5	3,50	831	3,85	1014,0	3,13	54,0	2726	59,4	3327

SUPER RANGE

Weight 8,4g/130gr — **Ballistic Coefficient** 0.287
Bullet Type Open Tip Match — **Sectional density** 0.194

						METRIC					IMPERIAL				
Maximum Charge (Grain)	Velocity (fps)	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
144A	CCI 200	VihtaVuori	N135		Open Tip Match	79	2,80	830,0	3,44	967,0	3,11	43,2	2723	53,1	3173
144A	CCI 200	VihtaVuori	N140		Open Tip Match	79	2,90	810,0	3,70	985,0	3,11	44,8	2657	57,1	3232
144A	CCI 200	VihtaVuori	N150		Open Tip Match	79	2,92	812,0	3,73	990,0	3,11	45,1	2664	57,6	3248

Notifications explained:
F – Case full
C – Compressed Load
V – Muzzle velocity exceeding 1000 m/s (3300 fps) may lead to severe barrel fouling!

sako
CARTRIDGES

9,3 x 62

BARREL: Sako | **BARREL LENGTH: 580mm** | **CASES: Sako, trim to lenght 61,80 mm (2.433")**

TWIST: 14 | **DIAMETER: 9,30 mm** | **Ballistic coefficient G1 value measured from 10m =>100m speed diference.**

HAMMERHEAD

Weight 18,6g/286gr | **Ballistic Coefficient** 0.286
Bullet Type Bonded Soft Point | **Sectional density** 0.305

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity(m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
266D	CCI 200	VihtaVuori	N135	9,26mm	Bonded Soft Point	83,6	3,10	610	3,5	695,0	3,29	47,8	2001	54,0	2280
266D	CCI 200	VihtaVuori	N140	9,26mm	Bonded Soft Point	83,6	3,20	610	3,77	726,0	3,29	49,4	2001	58,2	2382
266D	CCI 200	VihtaVuori	N540	9,26mm	Bonded Soft Point	83,6	3,20	605	3,87	741,0	3,29	49,4	1985	59,7	2431

BLADE

Weight 14,9g/230gr | **Ballistic Coefficient** 0.342
Bullet Type Expanding Copper | **Sectional density** 0.246

						METRIC					IMPERIAL				
Code	Primer	Powder	Poweder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity(fps)	Maximum Charge (Grain)	Velocity (fps)
613D	CCI 200	VihtaVuori	N530		Expanding Copper	83,6	3,20	675	3,75	801,00	3,29	49,4	2215	57,9	32
613D	CCI 200	VihtaVuori	N135	F	Expanding Copper	83,6	3,00	650	3,5	720,00	3,29	46,3	2133	54,0	28
613D	CCI 250	VihtaVuori	N135	C + Crimp	Expanding Copper	83,6	3,00	660	3,6	745,00	3,29	46,3	2165	55,6	29
613D	CCI 250	VihtaVuori	N540	C + Crimp	Expanding Copper	83,6	3,40	645	3,9	757,00	3,29	52,5	2116	60,2	2484

SPEEDHEAD

Weight 15g/231gr | **Ballistic Coefficient** 0.326
Bullet Type Full metal jacket | **Sectional density** 0.246

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity (m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
161D	CCI 200	VihtaVuori	N530		Full Metal Jacket	82,0	3,20	685,0	3,80	820,0	#REF!	1,0	27	58,6	32
161D	CCI 200	VihtaVuori	N135		Full Metal Jacket	82,0	3,00	660,0	3,85	803,0	#REF!	0,9	26	59,4	32
161D	CCI 200	VihtaVuori	N140		Full Metal Jacket	82,0	3,20	665,0	4,05	814,0	#REF!	1,0	26	62,5	32
161D	CCI 200	VihtaVuori	N540		Full Metal Jacket	82,0	3,50	690,0	4,10	828,0	#REF!	1,1	27	63,3	33

Notifications explained:
F – Case full
C – Compressed Load
V – Muzzle velocity exceeding 1000 m/s (3300 fps) may lead to severe barrel fouling!

6.5 x 55 Swedish Mauser

BARREL: Sako | **BARREL LENGTH: 600mm** | **CASES: Sako, trim to lenght 54,80 mm (2.157")**

TWIST: 1:8" | **DIAMETER: 6,72 mm** | **Ballistic coefficient G1 value measured from 10m =>100m speed diference.**

BLADE

Weight	**7,8g/120gr**	**Ballistic Coefficient**	**0.348**
Bullet Type	**Expanding Copper**	**Sectional density**	**0.246**

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
657H	CCI 200	VihtaVuori	N550		Expanding Copper	77,0	2,10	700	2,82	865,00	3,03	32,4	2297	43,5	2838
657H	CCI 250	VihtaVuori	N555	C	Expanding Copper	77,0	2,20	700	3,1	885,00	3,03	34,0	2297	47,8	2904
657H	CCI 200	VihtaVuori	N160		Expanding Copper	77,0	2,20	725	2,95	860,00	3,03	34,0	2379	45,5	2822
657H	CCI 250	VihtaVuori	N165	C	Expanding Copper	77,0	2,50	740	3,15	850,00	3,03	38,6	2428	48,6	2789

Notifications explained:
F – Case full
C – Compressed Load
V – Muzzle velocity exceeding 1000 m/s (3300 fps) may lead to severe barrel fouling!

sako
CARTRIDGES

6.5 Creedmoor

BARREL: Sako | **BARREL LENGTH: 600 mm** | **CASES: Sako, trim to lenght 48,50 mm (1.909")**

TWIST: 1:8" | **DIAMETER: 6,72 mm** | **Ballistic coefficient G1 value measured from 10m =>100m speed diference.**

Disclaimer:
All of this reloading information has been provided by Sako OY. The data given here were obtained in laboratory conditions following strictly the CIP (Commission International Permanente) June 13, 1990 and November 9, 1993 rules. The listed maximum loads have been determined according to the respective CIP maximum pressure specification. These test methods have been deemed to be safe throughout the world. Pressure is measured at the case mouth or from inside the case according to the CIP. **DO NOT ATTEMPT ANY EXTRAPOLATIONS. PLEASE FOLLOW THE DATA AS WRITTEN. IT IS A MUST FOR EVERY RELOADER TO READ THE RELOADING SAFETY RULES.** Powder, primer, case, and bullet batch and other variables change how presure grows. Max load is measured whit currently available materials. **DO NOT START WHIT MAX LOAD VALUES!** Max load is measured to CIP MAX presure or the amount of powder that can be compressed in case.

BLADE

Weight	**7,8g/120gr**	**Ballistic Coefficient**	**0.348**
Bullet Type	**Expanding Copper**	**Sectional density**	**0.246**

						METRIC					IMPERIAL				
Code	Primer	Powder	Powder Type	NOTE	Bullet Type	C.O.L.: mm	Minimum Charge (g)	Velocity(m/s)	Maximum Charge (g)	Velocity (m/s)	C.O.L.: (inch)	Minimum Charge (Grain)	Velocity (fps)	Maximum Charge (Grain)	Velocity (fps)
657H	CCI 200	VihtaVuori	N550	F	Expanding Copper	71,6	2,30	750	2,68	880,00	2,82	35,5	2461	41,4	2887
657H	CCI 250	VihtaVuori	N555	C	Expanding Copper	71,6	2,40	750	2,75	830,00	2,82	37,0	2461	42,4	2723
657H	CCI 200	VihtaVuori	N160		Expanding Copper	71,6	2,10	730	2,5	820,00	2,82	32,4	2395	38,6	2690
657H	CCI 200	VihtaVuori	N165	C	Expanding Copper	71,6	2,20	725	2,8	815,00	2,82	34,0	2379	43,2	2674

Notifications explained:
F – Case full
C – Compressed Load
V – Muzzle velocity exceeding 1000 m/s (3300 fps) may lead to severe barrel fouling!