

Load data for GS Custom bullets using Vihtavuori powders

Load data follows CIP standard, unless otherwise noted.

Load data is provided "as is", changing components or C.O.L (Cartridge Overall Length) may result in dangerous over-pressure!

Always start from minimum load and work up. Loads under the starting load are not recommended.

223 Remington

Case: Lapua Match, primer CCI400, barrel length 24", rifling twist 1-7"

Bullet					Powder	Starting Load			Maximum Load		
Weight [g]	[grs]	Type	Mfg.	C.O.L [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]
3,2	50	HV	GS Custom #97	57,0	N120	1,27	19,6	901	1,42	21,9	984
					N130	1,39	21,5	919	1,53	23,6	1003
					N133	1,55	23,9	954	1,69	26,1	1042
					N120	1,36	21,0	925	1,48	22,8	996
					N130	1,47	22,7	961	1,61	24,8	1049
					N133	1,60	24,7	975	1,74	26,9	1071

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C: Compressed load

*: test barrel with long throat (5.56 NATO)

260 Remington

Case: Remington, primer CCI200, barrel length 24", rifling twist 1-9"

Bullet					Powder	Starting Load			Maximum Load		
Weight [g]	[grs]	Type	Mfg.	C.O.L [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]
6,2	95	HV	GS Custom #134	70,0	N140	2,57	39,7	875	2,83	43,7	959
					N540	2,68	41,4	884	2,95	45,5	982
					N150	2,64	40,7	874	2,90	44,7	960
					N140	2,52	38,9	847	2,78	42,9	932
6,5	101	SP	GS Custom #182	71,0	N540	2,64	40,7	879	2,90	44,7	964

N150 2,61 40,3 852 2,85 44,0 932

6,5 x 55 SE

Case: Lapua, primer CCI200, barrel length 24", rifling twist 1-8½"

Bullet					Powder	Starting Load			Maximum Load		
Weight		Type	Mfg.	C.O.L	Type	Weight		Velocity	Weight		Velocity
[g]	[grs]			[mm]		[g]	[grs]	[m/s]	[g]	[grs]	[m/s]
6,2	95	HV	GS Custom #134	75,0	N140	2,59	40,0	870	2,86	44,1	951
					N540	2,67	41,2	890	2,94	45,4	971
					N150	2,66	41,0	885	2,93	45,2	968
6,5	101	SP	GS Custom #182	75,0	N140	2,50	38,6	841	2,78	42,9	923
					N540	2,56	39,5	863	2,83	43,7	940
					N150	2,62	40,4	860	2,89	44,6	940

308 Winchester

Case: Lapua, primer CCI200, barrel length 24", rifling twist 1-12"

Bullet					Powder	Starting Load			Maximum Load		
Weight		Type	Mfg.	C.O.L	Type	Weight		Velocity	Weight		Velocity
[g]	[grs]			[mm]		[g]	[grs]	[m/s]	[g]	[grs]	[m/s]
6,5	100	HV	GS Custom #081	68,5	N120	2,17	33,5	871	2,62	40,4	987
					N130	2,41	37,2	869	2,90	44,8	1019
					N133	2,78	42,9	925	3,15	48,6	1037 C
9,7	150	HV	GS Custom #079	71,0	N530	2,44	37,7	747	2,80	43,2	854
					N135	2,61	40,3	776	2,90	44,8	860 C
					N140	2,78	42,9	784	3,09	47,7	872 C

C: Compressed load

300 Winchester Magnum

Case: Winchester, primer Federal 215, barrel length 24", rifling twist 1-10"

Bullet					Powder	Starting Load			Maximum Load		
Weight [g]	[grs]	Type	Mfg.	C.O.L [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]
9,7	150	HV	GS-Custom #79	84,8	N160	4,60	71,0	928	5,03	77,6	1014
					N560	4,95	76,4	942	5,37	82,9	1039
					N170	5,12	79,0	914	5,50	84,9	994
10,6	163	SP	GS-Custom #207	90,5 *	N160	4,44	68,5	891	4,86	75,0	972
					N560	4,85	74,8	917	5,26	81,2	1005
					N170	5,04	77,8	890	5,45	84,1	975

C: Compressed load

*: C.O.L over CIP max. (C.O.L on 163gr SP bullet is based on Sako TRG-42 magazine length)

338 Winchester Magnum

Case: Winchester, primer Remington 9½M, barrel length 24", rifling twist 1-12"

Bullet					Powder	Starting Load			Maximum Load		
Weight [g]	[grs]	Type	Mfg.	C.O.L [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]
13,0	200	HV	GS-Custom #67	84,5	N540	3,95	61,0	824	4,34	67,0	896
					N150	3,95	61,0	810	4,28	66,0	871
					N550	4,16	64,2	827	4,54	70,1	902

338 Lapua Magnum

Case: Lapua, primer Federal 215, barrel length 28", rifling twist 1-10"

Bullet					Powder	Starting Load			Maximum Load		
Weight		Type	Mfg.	C.O.L	Type	Weight		Velocity	Weight		Velocity
[g]	[grs]			[mm]		[g]	[grs]	[m/s]	[g]	[grs]	[m/s]
13,0	200	HV	GS-Custom #67	90,0	N160	5,30	81,8	877	5,75	88,7	950
					N560	5,67	87,5	899	6,11	94,3	977
					N170	6,04	93,2	880	6,47	99,8	954
13,0	200	SP	GS-Custom #164	92,5	N160	5,30	81,8	877	5,77	89,0	953
					N560	5,70	88,0	902	6,14	94,8	980
					N170	6,01	92,7	881	6,44	99,4	955

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C: Compressed load

9,3 x 62

Case: Lapua, primer CCI200, barrel length 24", rifling twist 1-14"

Bullet					Powder	Starting Load			Maximum Load		
Weight		Type	Mfg.	C.O.L	Type	Weight		Velocity	Weight		Velocity
[g]	[grs]			[mm]		[g]	[grs]	[m/s]	[g]	[grs]	[m/s]
12,6	195	HV	GS-Custom #97	82,0	N120	2,73	42,1	742	3,07	47,4	803
					N130	3,10	47,8	769	3,45	53,2	842

9,3 x 66 Sako (370 Sako Magnum)

Case: Sako, primer Remington 9½M, barrel length 25", rifling twist 1-14"

Bullet					Powder	Starting Load			Maximum Load		
Weight		Type	Mfg.	C.O.L	Type	Weight		Velocity	Weight		Velocity
[g]	[grs]			[mm]		[g]	[grs]	[m/s]	[g]	[grs]	[m/s]
12,6	195	HV	GS-Custom #97	85,0	N120	2,90	46,9	777	3,29	50,8	846
					N130	3,27	51,9	808	3,68	56,7	885