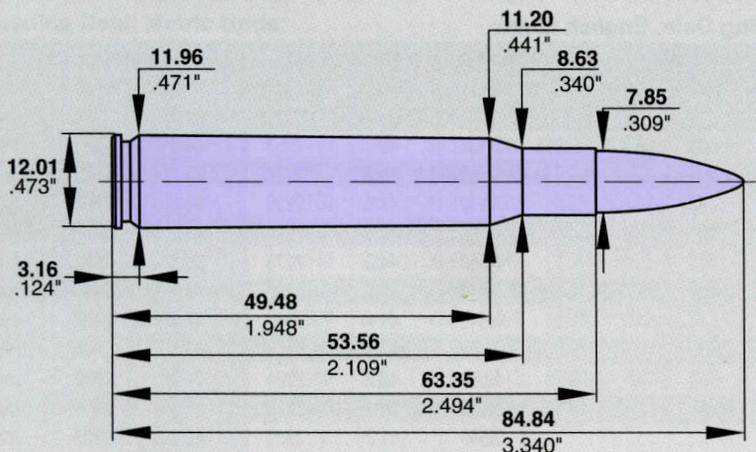


.30-06 Springfield

CIP max. dimensions in millimeters (inches)



Country of origin:	USA
Year of introduction:	1906
Max. bullet diameter:	7.85 mm (.309")
Max. cartridge length:	84.84 mm (3.340")
Max. case length:	63.35 mm (2.494"), trim to 63.10 mm (2.484")
Max. CIP piezo pressure:	405 MPa (58725 psi)

The initial development date of the .30-06 Springfield was 1903, but the standard dimensions as we know them were introduced in 1906. It was adopted in a modified Springfield M1903 bolt-action military rifle and designated the "ball cartridge, caliber .30, Model of 1906, hence the title .30-06. This cartridge was widely adopted for military use, but more remarkably shooters and hunters alike rapidly noticed the sporting potential of the .30-06 Springfield. Today both military and sharpshooter use of the .30-06 Springfield is, however, modest.

The .30-06 Springfield is probably one of the most flexible all-around cartridges available for a hunter and for many years it has been a standard by which all other big game cartridges have been measured. The secret of success lies in the vast selection of .30-caliber bullets. The light ones weighing 6.5 g - 8 g (100 - 125 gr.) can be driven well over 900 m/s (3000 fps) and are suitable for varmints and small game. For heavier game, elk, moose and brown bear there exist premium-class big game bullets in a range of 11.7 g (180 gr.) up to 14.3 g (220 gr.) offering excellent terminal ballistics. For target shooting there are plenty of cal. 30. match grade bullets available.

With the proper bullet, the .30-06 Springfield can be adopted with success to any application ranging from varminting up to long range target shooting. Few cartridges can claim equal versatility.

.30-06 Springfield

TEST COMPONENTS:

Test barrel: 620 mm (24"), 1 in 10" twist, manufactured to meet CIP minimum dimensions.

Primers: Large Rifle

Cases: LAPUA, trim-to length 63.10 mm (2.484")

Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]	Pressure [MPa]
6.5	HP	LAPUA	79.8	N130	2.58	39.8	869	3.15	48.6	998	max.
				N133	3.07	47.4	911	3.49	53.9	1016	max.
				N135	3.25	50.2	927	3.66	56.5	1033	max.
				N140	3.50	54.0	926	3.96	61.1	1044	max.
				N540	3.59	55.4	939	4.08	63.0	1058	max.
6.8	HP	LAPUA	81.0	N133	3.02	46.6	914	3.32	51.2	988	max.
				N135	3.23	49.8	928	3.57	55.1	1010	max.
				N140	3.46	53.4	932	3.83	59.1	1025	max.
7.1	RN	Homady	74.0	N133	3.15	48.6	873	3.48	53.7	983	max.
				N135	3.14	48.5	864	3.47	53.5	964	max.
				N140	3.38	52.2	881	3.74	57.7	977	max.
				N150	3.57	55.1	905	3.94	60.8	1002	max.
8.0	FMJ	LAPUA	79.8	N133	2.95	45.5	825	3.31	51.1	922	max.
				N135	3.19	49.2	852	3.48	53.7	937	max.
				N140	3.35	51.7	853	3.73	57.6	952	max.
				N540	3.49	53.9	863	3.83	59.1	958	max.
				N150	3.59	55.4	880	3.91	60.3	976	max.
8.1	Ballistic Tip	Nosler	84.0	N135	3.10	47.8	865	3.40	52.5	935	max.
				N140	3.31	51.1	878	3.64	56.2	958	max.
				N540	3.49	53.9	880	3.91	60.3	994	max.
				N150	3.44	53.1	882	3.81	58.8	966	max.
				N550	3.70	57.1	895	3.91	60.3	950	max.
9.7	Mega	LAPUA	76.9	N135	2.60	40.1	711	3.09	47.7	835	max.
				N140	2.83	43.7	732	3.32	51.2	857	max.
				N540	2.94	45.3	742	3.47	53.5	893	max.
9.7	Lock Base	LAPUA	84.0	N135	2.93	45.2	789	3.23	49.8	851	max.
				N140	3.13	48.3	802	3.45	53.2	872	max.
				N540	3.16	48.8	792	3.54	54.6	882	max.
				N150	3.25	50.2	803	3.58	55.2	877	max.
				N550	3.51	54.2	819	3.87	59.7	917	max.

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INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

.30-06 Springfield

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Reloading Data, Metric Units:

Bullet				Powder Type	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]		Weight [g]	Weight [grs]	Velocity [m/s]	Weight [g]	Weight [grs]	Velocity [m/s]	Pressure [MPa]
9.7	HPBT	Sierra	84.0	N140	3.08	47.5	798	3.42	52.8	871	max.
				N540	3.27	50.5	809	3.64	56.2	906	max.
				N150	3.29	50.8	807	3.65	56.3	895	max.
				N550	3.54	54.6	833	3.87	59.7	916	max.
10.0	Scenar	LAPUA	84.0	N140	2.78	42.9	755	3.23	49.8	850	max.
				N150	2.79	43.0	767	3.30	50.9	863	max.
				N540	3.05	47.0	774	3.45	53.2	886	max.
10.1	SPBT	Sako	80.5	N135	2.97	45.8	776	3.29	50.8	851	max.
				N140	3.10	47.8	775	3.42	52.8	859	max.
				N150	3.18	49.1	781	3.53	54.5	863	max.
10.9	Scenar	LAPUA	84.0	N140	2.95	45.5	737	3.25	50.2	812	max.
				N540	2.94	45.4	737	3.37	52.0	836	max.
				N150	3.06	47.2	748	3.38	52.2	821	max.
				N550	3.22	49.7	779	3.57	55.1	855	max.
				N160	3.60	55.6	749	4.00	61.7	842	max.
11.0	FMJBT	LAPUA	84.0	N140	2.91	44.9	717	3.24	50.0	799	max.
				N540	2.96	45.7	729	3.34	51.5	821	max.
				N150	3.06	47.2	735	3.41	52.6	815	max.
				N550	3.17	48.9	746	3.61	55.7	842	max.
				N160	3.65	56.3	765	4.05	62.5	853	max.
11.7	Spitzer	Speer	84.0	N160	3.39	52.3	730	3.73	57.6	793	max.
11.7	X	Barnes	84.0	N550	3.15	48.6	704	3.53	54.5	791	max.
12.0	Scenar	LAPUA	84.0	N540	2.86	44.1	688	3.16	48.8	771	max.
				N150	2.88	44.4	696	3.26	50.3	778	max.
				N550	3.02	46.6	701	3.36	51.9	792	max.
				N160	3.48	53.7	724	3.85	59.4	809	max.
				N560	3.52	54.3	724	4.01	61.9	816	max.
12.0	Forex	LAPUA	81.0	N150	2.74	42.2	681	3.12	48.1	781	max.
				N550	3.02	46.7	707	3.31	51.1	822	max.
				N160	3.22	49.7	736	3.49	53.8	811	max.
12.3	HPBT	Sierra	84.0	N150	2.90	44.8	695	3.20	49.3	767	max.
				N550	3.07	47.4	708	3.49	53.8	812	max.
				N160	3.42	52.7	724	3.81	58.8	795	max.
				N560	3.57	55.1	721	4.04	62.4	825	max.
13.0	Partition	Nosler	84.0	N150	2.79	43.0	669	3.08	47.5	724	max.
				N160	3.38	52.1	704	3.73	57.6	765	max.
14.3	RN	Hornady	84.0	N160	3.29	50.7	654	3.63	56.0	722	max.
				N560	3.47	53.5	672	3.97	61.3	767	max.

INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

.30-06 Springfield

Reloading Data, English Units:

Bullet				Powder		Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psj]	
100	HP	LAPUA	3.142	N130	39.8	2846	48.6	3267	max.	
				N133	47.4	2986	53.9	3329	max.	
				N135	50.2	3036	56.5	3383	max.	
				N140	54.0	3034	61.1	3418	max.	
				N540	55.4	3076	63.0	3465	max.	
105	HP	LAPUA	81.0	N133	46.6	2999	51.2	3242	max.	
				N135	49.8	3045	55.1	3314	max.	
				N140	53.4	3058	59.1	3363	max.	
110	RN	Hornady	2.913	N133	48.6	2863	53.7	3224	max.	
				N135	48.5	2834	53.5	3164	max.	
				N140	52.2	2890	57.7	3205	max.	
				N150	55.1	2969	60.8	3286	max.	
123	FMJ	LAPUA	3.142	N133	45.5	2704	51.1	3019	max.	
				N135	49.2	2792	53.7	3069	max.	
				N140	51.7	2794	57.6	3116	max.	
				N540	53.9	2826	59.1	3136	max.	
				N150	55.4	2882	60.3	3195	max.	
125	Ballistic Tip	Nosler	3.307	N135	47.8	2839	52.5	3067	max.	
				N140	51.1	2880	56.2	3142	max.	
				N540	53.9	2887	60.3	3262	max.	
				N150	53.1	2895	58.8	3169	max.	
				N550	57.1	2935	60.3	3116	max.	
150	Mega	LAPUA	3.028	N135	40.1	2333	47.7	2740	max.	
				N140	43.7	2402	51.2	2812	max.	
				N540	45.3	2403	53.5	2930	max.	
150	Lock Base	LAPUA	3.307	N135	45.2	2590	49.8	2790	max.	
				N140	48.3	2630	53.2	2861	max.	
				N540	48.8	2595	54.6	2887	max.	
				N150	50.2	2634	55.2	2877	max.	
				N550	54.2	2688	59.7	3010	max.	
150	HPBT	Sierra	3.307	N140	47.5	2617	52.8	2859	max.	
				N540	50.5	2654	56.2	2973	max.	
				N150	50.8	2646	56.3	2935	max.	
				N550	54.6	2734	59.7	3006	max.	
155	Scenar	LAPUA	3.307	N140	42.9	2447	49.8	2789	max.	
				N150	43.0	2516	50.9	2831	max.	
				N540	47.0	2539	53.2	2907	max.	

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INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

.30-06 Springfield

continues from the previous page ...

Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]
156	SPBT	Sako	3.169	N135	45.8	2547	50.8	2793	max.
				N140	47.8	2543	52.8	2818	max.
				N150	49.1	2561	54.5	2831	max.
167	Scenar	LAPUA	3.307	N140	45.5	2418	50.2	2664	max.
				N540	45.4	2413	52.0	2737	max.
				N150	47.2	2455	52.2	2694	max.
				N550	49.7	2556	55.1	2806	max.
				N160	55.6	2455	61.7	2757	max.
170	FMJBT	LAPUA	3.307	N140	44.9	2348	50.0	2618	max.
				N540	45.7	2390	51.5	2687	max.
				N150	47.2	2409	52.6	2668	max.
				N550	48.9	2443	55.7	2758	max.
				N160	56.3	2506	62.5	2794	max.
180	Spitzer	Speer	3.307	N160	52.3	2394	57.6	2603	max.
180	X	Barnes	3.307	N550	48.6	2311	54.5	2596	max.
185	Scenar	LAPUA	3.307	N540	44.1	2255	48.8	2523	max.
				N150	44.4	2280	50.3	2548	max.
				N550	46.6	2295	51.9	2592	max.
				N160	53.7	2370	59.4	2650	max.
				N560	54.3	2373	61.9	2672	max.
185	Forex	LAPUA	3.189	N150	42.2	2234	48.1	2562	max.
				N550	46.7	2369	51.1	2697	max.
				N160	49.7	2415	53.8	2661	max.
190	HPBT	Sierra	3.307	N150	44.8	2279	49.3	2517	max.
				N550	47.4	2323	53.8	2664	max.
				N160	52.7	2376	58.8	2608	max.
				N560	55.1	2364	62.4	2706	max.
200	Partition	Nosler	3.307	N150	43.0	2195	47.5	2374	max.
				N160	52.1	2309	57.6	2510	max.
220	RN	Hornady	3.307	N160	50.7	2144	56.0	2368	max.
				N560	53.5	2206	61.3	2517	max.

INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED