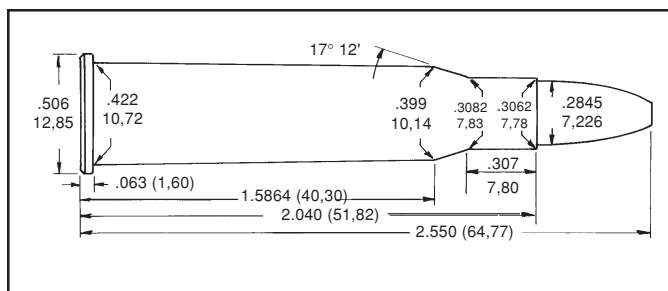


7-30 WATERS

This cartridge was developed by the well known gun writer and ballistics expert Ken Waters. This is the result of his attempt to develop a flat trajectory cartridge for use in lever action carbines.



In 1983 U.S. Repeating Arms Company decided to chamber their Model 94 lever action rifle for this cartridge while the Federal Cartridge Company worked out the final version of the cartridge that became the commercial 7-30 Waters. Thompson/Center also chambered their Contender for the 7-30 Waters. It has become more popular as a handgun cartridge than as a rifle cartridge and is satisfactory for hunting deer and black bear at short to medium ranges.

The SAAMI Maximum Average Pressure for the 7-30 Waters is 40,000 C.U.P.

7-30 WATERS				
Gun	T/C	Max Length	2.040"	
Barrel Length	14"	Trim Length	2.020"	
Primer	REM 9°	OAL Max	2.550"	
Case	REM	OAL Min	2.480"	

Bullet	START LOADS			MAXIMUM LOADS			C.U.P.	Cartridge Length	Comment	
	Powder	Grains	Vel.	Powder	Grains	Vel.				
SRA 100 HP	2015	32.4	2377	2015	36.0	2701	37,600	2.665"		
	2230	34.2	2393	2230	38.0	2719			37,800	
	2460	34.2	2349	2460	38.0	2669			37,900	
	2495	35.1	2391	2495	39.0	2717			32,700	Compressed
	2520	35.1	2326	2520	39.0	2643			36,300	
	2700	37.8	2167	2700	42.0	2462			37,900	Compressed
HDY 120 SSP	2015	29.7	2109	2015	33.0	2397	35,700	2.755"		
	2230	32.0	2189	2230	35.5	2487			37,400	
	2460	32.4	2174	2460	36.0	2471			37,300	
	2495	32.4	2179	2495	36.0	2476			36,400	
	2520	32.4	2126	2520	36.0	2416			35,500	
	2700	36.0	2078	2700	40.0	2361			39,000	
SPR 145 HPBT	2015	27.5	1925	2015	30.5	2188	39,000	2.740"		
	2230	29.7	1994	2230	33.0	2266			39,000	
	2460	29.7	1969	2460	33.0	2237			38,500	
	2495	30.6	2024	2495	34.0	2300			38,700	
	2520	30.6	1955	2520	34.0	2222			38,800	
	2700	34.2	1900	2700	38.0	2159			37,400	

Bullet	START LOADS			MAXIMUM LOADS			C.U.P.	Cartridge Length	Comment
	Powder	Grains	Vel.	Powder	Grains	Vel.			
NOS 150 BT	2015	26.1	1828	2015	29.0	2077	36,000	2.795"	
	2230	29.3	1933	2230	32.5	2197	37,600		
	2460	29.7	1934	2460	33.0	2198	39,500		
	2495	30.6	2006	2495	34.0	2280	38,400		
	2520	30.2	1900	2520	33.5	2159	37,000		
	2700	33.8	1857	2700	37.5	2110	38,800		
SRA 168 HPBT	2015	25.7	1767	2015	28.5	2008	38,700	2.770"	
	2230	27.9	1834	2230	31.0	2084	38,500		
	2460	28.8	1857	2460	32.0	2110	39,800		
	2495	29.7	1902	2495	33.0	2161	38,700		
	2520	28.8	1814	2520	32.0	2061	38,800		
	2700	31.5	1743	2700	35.0	1981	36,800		
HDY 175 SP	2015	25.2	1668	2015	28.0	1895	38,200	2.790"	
	2230	27.9	1764	2230	31.0	2004	38,700		
	2460	28.8	1765	2460	32.0	2006	39,700		
	2495	29.7	1800	2495	33.0	2045	39,100		
	2520	27.9	1673	2520	31.0	1901	36,100		
	2700	31.5	1675	2700	35.0	1903	36,200		

NOTE: All bullets listed for use in the T/C Contender exceed the SAAMI MAX OAL due to their Spitzer shape.