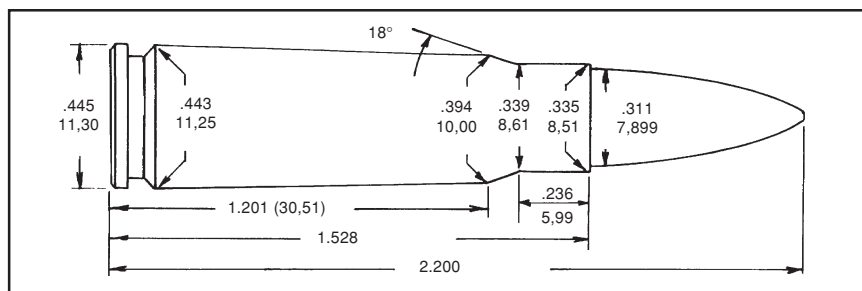


7.62x39mm

Developed by the Soviets in 1943, the 7.62x39mm (M43) Russian cartridge was undoubtedly influenced by the German 7.92 Kurz. This cartridge received worldwide attention during the Vietnam War. Returning GIs brought Communist bloc weapons into the United States creating a demand for ammunition.



The 7.62x39mm cartridge is easy to reload and may be thought of basically as a rimless .30-30 Winchester in power. However, the .30-30 Winchester is capable of using heavier bullets than the 7.62x39mm.

The Ruger Mini 30, plus the current importation of the SKS and AK47 weapons into the United States, has added to the demand for data for this cartridge. Care should be exercised in that some U.S. made weapons chambered for this cartridge use .308" diameter bullets. Most foreign made weapons use bullets that are .311" diameter.

The SAAMI Maximum Average Pressure for the 7.62x39mm cartridge is 50,000 C.U.P.

7.62x39mm				
Gun	HS Precision	Max Length	1.528"	
Barrel Length	20"	Trim Length	1.513"	
Primer	REM 9°	OAL Max	2.200"	
Case	IMI	OAL Min	2.170"	

Bullet	START LOADS			MAXIMUM LOADS			C.U.P.	Cartridge Length	Comment
	Powder	Grains	Vel.	Powder	Grains	Vel.			
SPR 100 RN	5744	20.7	2089	5744	23.0	2374	48,000	1.950"	0.308" dia.
	1680	25.7	2325	1680	28.5	2642	47,100		
	2015	25.7	1994	2015	28.5	2266	39,400		Compressed
	2230	26.6	1959	2230	29.5	2226	42,400		Compressed
	2460	26.6	1922	2460	29.5	2184	42,600		Compressed
SRA 110 HP	5744	20.3	2018	5744	22.5	2294	48,900	2.115"	0.308" dia.
	1680	24.8	2241	1680	27.5	2547	48,300		
	2015	25.7	1998	2015	28.5	2271	41,500		Compressed
	2230	26.6	1958	2230	29.5	2225	46,000		Compressed
	2460	26.6	1931	2460	29.5	2194	45,400		Compressed
HDY 123 SP	5744	19.8	1975	5744	22.0	2245	48,900	2.175"	

Bullet	START LOADS			MAXIMUM LOADS			C.U.P.	Cartridge Length	Comment
	Powder	Grains	Vel.	Powder	Grains	Vel.			
SPR 125 SP	5744	19.3	1887	5744	21.5	2145	48,100	2.195"	0.311" dia.
	1680	23.0	2084	1680	25.5	2368	48,500		
	2015	25.7	2032	2015	28.5	2309	47,700		Compressed
	2230	26.6	1943	2230	29.5	2208	49,800		Compressed
	2460	26.6	1915	2460	29.5	2176	46,600		Compressed
HDY 130 SSP	5744	18.4	1804	5744	20.5	2051	45,500	2.180"	0.308" dia.
	1680	22.5	2020	1680	25.0	2296	47,900		
	2015	25.2	1947	2015	28.0	2213	45,300		Compressed
	2230	25.2	1843	2230	28.0	2094	47,000		Compressed
	2460	26.1	1866	2460	29.0	2120	47,000		Compressed
SRA 150 SP	5744	17.5	1672	5744	19.5	1900	46,400	2.180"	0.311" dia.
	1680	20.3	1808	1680	22.5	2055	49,000		
	2015	23.4	1823	2015	26.0	2072	46,500		Compressed
	2230	24.3	1739	2230	27.0	1976	49,500		Compressed
	2460	24.3	1721	2460	27.0	1956	47,600		
.30 Caliber Sabots*									
REM 55 SABOT	1680	28.8	2774	1680	32.0	3153	33,400	2.100"	Compressed

* Using CCI primer