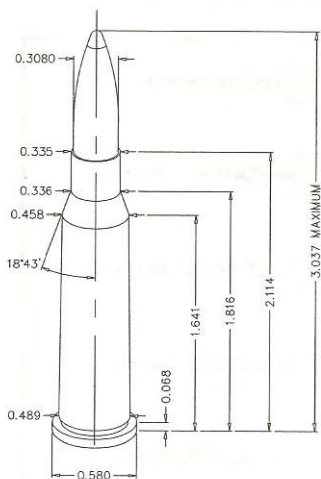


7.62mm Russian



Test Specifications/ Components

Firearm Used: M44

Barrel Length: 20"

Twist: 1 x 10"

Case: Lapua

Trim-to Length: 2.105"

Primer: Remington 9 1/2

Remarks:

Few military cartridges have had so varied a history as the 7.62mm Russian. Also known as the 7.62x54R, the cartridge was adopted by Imperial Russia in 1891. Originally chambered in the M1891 Mosin-Nagant bolt-action rifle, this rimmed 7.62mm round went on to serve as a standard service car-

tridge for the Soviet Union during the Second World War. Interestingly, the 7.62mm Russian not only predates the USSR, but survived it as well. Today, it still serves in both sniper rifles and machineguns in the reborn Russian Commonwealth.

At the time of the Mosin-Nagants adoption, Russia's manufacturing capabilities were extremely limited. This forced them to contract for production of their new service rifle with many different arms makers. Some of the most notable were SIG in Switzerland, Steyr in Austria and Remington and Westinghouse in the United States. The two U.S. firms delivered more than 1.5 million rifles between 1915-17. With the onslaught of the Russian revolution, these contracts were terminated, and large numbers of Mosin-Nagant M91 rifles were sold here as surplus. The 7.62mm Russian is comparable in performance to other military cartridges adopted around the turn of the century, such as the 30-06 Springfield and the 303 British. As it was loaded in 1891, the 7.62x54R drove a 212 grain bullet at approximately 2030 fps. Reflecting the changes in the ballistics of military cartridges of that era, the loading was changed in 1908 to a 148 grain bullet at approximately 2600 fps.

In addition to its military exploits, the 7.62mm Russian has been a popular sporting cartridge. Literally millions of M91 Mosin-Nagant rifles and carbines were produced, and many of these have found their way into the hunting fields. Many Mosin-Nagants were brought home by U.S. servicemen returning from Korea and Vietnam. It is still an extremely popular cartridge in Finland, where it has scored many thousands of moose. The cartridge has excellent accuracy potential and has been used as a 300 meter round by Soviet Olympic riflemen.

7.62mm Russian continued

#2100 .308" 110 gr. RN
C.O.A.L. 2.600"



#2105 .308" 110 gr. FMJ
C.O.A.L. 2.600"



#2110 .308" 110 gr. HP
C.O.A.L. 2.700"



Powder+Velocity→	2600	2700	2800	2850	2900
XMR-2015	41.4	43.1	44.8	45.7	46.5
IMR-3031	43.9	46.7	49.5		
Benchmark	45.9	46.6	47.3		
748	49.3	51.2	53.2	54.1	55.1
H4895	45.8	47.8	49.8	50.8	51.8
IMR-4895	46.0	47.7	49.3	50.2	51.0
Varget	46.7	48.5	50.3		
IMR-4064		48.8	50.9	51.9	52.9
IMR-4320	49.0	51.2	53.4		
Viht N140	49.2	50.5	51.8	52.5	53.1
H380		52.2	54.9	56.2	57.5
Energy/ft.lbs.	1651	1781	1915	1984	2054

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	748	53.2	2800	1915
Hunting Load	IMR-4895	51.0	2900	2054

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7.62mm Russian continued

#2120 .308" 125 gr. SPT
C.O.A.L. 2.800"



Powder↓/Velocity→	2500	2600	2700	2800	2850	2900
XMR-2015	41.7	43.6	45.5			
IMR-3031	43.6	45.1	46.5			
Benchmark			45.1	46.1		
748	48.6	50.2	51.8	53.4	54.2	
IMR-4895	44.7	46.5	48.2			
Varget	45.6	47.3	49.0			
IMR-4064	46.1	47.7	49.3	50.9		
IMR-4320	47.0	48.9	50.8	52.7	53.7	
Viht N140	47.3	48.9	50.4	52.0		
RE-15	46.6	48.3	49.9	51.6		
H380		50.5	52.6	54.7	55.8	56.8
Energy/ft.lbs.	1735	1876	2023	2176	2255	2334
	Powder	Grains	Velocity	Ft. lbs.		
Accuracy Load	IMR-4320	50.8	2700	2023		
Hunting Load	IMR-4320	53.7	2850	2255		

#7350 .308" 135 gr. SPT SSP
C.O.A.L. 2.800"



Powder↓/Velocity→	2400	2500	2600	2700	2800
XMR-2015	39.8	41.7	43.7	45.6	
IMR-3031	41.2	43.0	44.7	46.5	
Benchmark	41.2	42.6	44.0	45.4	
748		48.9	50.1	51.4	52.6
IMR-4895	42.3	44.1	46.0	47.8	
Varget	43.8	45.5	47.1	48.8	
IMR-4064	43.4	45.3	47.2	49.1	
IMR-4320	45.9	47.6	49.3	51.0	52.7
Viht N140	46.0	47.3	48.5	49.8	51.0
RE-15	45.1	46.6	48.1	49.6	51.1
H380		49.8	51.8	53.8	55.8
Energy/ft.lbs.	1727	1874	2026	2185	2350
	Powder	Grains	Velocity	Ft. lbs.	
Accuracy Load	Viht N140	49.8	2700	2185	
Hunting Load	XMR-2015	45.6	2700	2185	

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7.62mm Russian continued

#2115 .308" 150 gr. FMJBT
C.O.A.L. 2.900"



#2125 .308" 150 gr. SBT
C.O.A.L. 2.900"



#2130 .308" 150 gr. SPT
C.O.A.L. 2.900"



#2135 .308" 150 gr. RN
C.O.A.L. 2.600"



#2190 .308" 150 gr. HPBT MatchKing
C.O.A.L. 2.900"



#2155 .308" 155 gr. HPBT
Palma MatchKing
C.O.A.L. 2.900"



Powder+Velocity→	2300	2400	2500	2550	2600	2650	2700
XMR-2015	39.5	41.2	42.9	43.8	44.6		
IMR-3031	40.4	42.2	43.9				
Benchmark	41.2	42.2	43.3	43.8	44.3		
H4895	41.6	43.4	45.1	46.0	46.9		
IMR-4895	42.2	43.8	45.4	46.2	47.0		
Varget	43.0	44.4	45.7	46.3	47.0		
IMR-4064	42.8	44.5	46.2	47.1	47.9	48.8	
IMR-4320	44.0	45.9	47.7	48.7	49.6		
Viht N140	43.6	45.5	47.4	48.3			
RE-15	43.7	45.8	47.8	48.8			
H380			50.0	51.1	52.2	53.2	54.3
760	52.0	53.4	54.9	55.6	56.3		
IMR-4350	50.6	52.1	53.6	54.4	55.1		
Energy/ft.lbs.	1821	1982	2151	2238	2327	2417	2509

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-3031	43.9	2500	2151
Hunting Load	IMR-4350	55.1	2600	2327

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7.62mm Russian continued

#2140 .308" 165 gr. HPBT
C.O.A.L. 2.975"



#2145 .308" 165 gr. SBT
C.O.A.L. 2.975"



#2200 .308" 168 gr. HPBT MatchKing
C.O.A.L. 2.975"



Powder+Velocity→	2200	2300	2400	2500	2600	2700
IMR-3031	39.6	41.3	43.0			
H4895	40.4	41.8	43.1	44.5		
XMR-2495	42.4	44.0	45.5	47.1	48.6	
IMR-4895	41.0	42.7	44.3	46.0		
Varget	41.1	42.7	44.4	46.0		
IMR-4064		42.8	44.6	46.4	48.2	
IMR-4320		43.8	45.6	47.4	49.2	
Viht N140	42.2	43.9	45.5	47.2		
RE-15	40.9	43.0	45.1	47.2		
H380		47.8	49.5	51.1	52.8	54.4
760	48.8	50.4	52.0	53.6	55.2	
IMR-4350		48.9	50.7	52.4		
Energy/ft.lbs.	1805	1973	2149	2332	2522	2720

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	XMR-2495	47.1	2500	2332
Hunting Load	XMR-2495	48.6	2600	2522

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7.62mm Russian continued

#2275 .308" 175 gr. HPBT MatchKing
C.O.A.L. 3.000"



#2150 .308" 180 gr. SPT
C.O.A.L. 3.000"



#2160 .308" 180 gr. SBT
C.O.A.L. 3.000"



#2170 .308" 180 gr. RN
C.O.A.L. 2.800"



#2220 .308" 180 gr. HPBT MatchKing
C.O.A.L. 3.000"



Powder/Velocity→	2100	2200	2300	2400	2450	2500	2550
H4895		38.8	41.1	43.3			
XMR-2495	41.1	42.7	44.3	45.9	46.7	47.5	
IMR-4895	39.8	41.3	42.8	44.3			
Varget	39.5	41.2	42.9	44.6			
IMR-4064		40.4	42.6	44.9	46.0	47.1	
IMR-4320			44.9	46.7	47.7	48.6	49.5
Viht N140	40.7	42.5	44.2	46.0			
RE-15	40.6	42.5	44.3	46.2			
H380		45.3	47.4	49.5	50.5	51.6	52.6
760	46.9	49.0	51.0	53.1	54.1		
IMR-4350		48.7	50.6	52.5	53.5		
Energy/ft.lbs.	1763	1934	2114	2302	2399	2498	2599

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4350	53.5	2450	2399
Hunting Load	IMR-4064	47.1	2500	2498

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7.62mm Russian continued

#2180 .308" 220 gr. RN
C.O.A.L. 2.800"



#2240 .308" 220 gr. HPBT MatchKing
C.O.A.L. 3.037"



Powder+Velocity→	2000	2100	2150	2200	2250	2300	2350	2400
IMR-4064		39.7	41.0	42.2	43.5			
IMR-4320		40.7	41.8	43.0	44.1	45.2		
Viht N540	38.8	41.5	42.8					
H380		44.1	45.1	46.0	47.0	47.9	48.9	49.8
760	45.1	46.7	47.5	48.2	49.0	49.8		
Viht N550	42.7	44.3	45.1	45.9	46.7			
IMR-4350	44.2	46.0	46.9	47.7	48.6	49.5		
IMR-4831	45.7	48.2	49.5	50.7	52.0			
H4831 SC		48.2	49.3	50.4	51.5			
Energy/ft.lbs.	1954	2154	2258	2364	2473	2584	2698	2814

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4831	50.7	2200	2364
Hunting Load	H4831 SC	51.5	2250	2473

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.