

30-40 Krag

Test Specifications:

Firearm Used: Krag

Barrel Length: 22"

Twist: 1 x 10"

Components:

Case: Remington

Trim-to Length: 2.304"

Primer: Remington 9 1/2

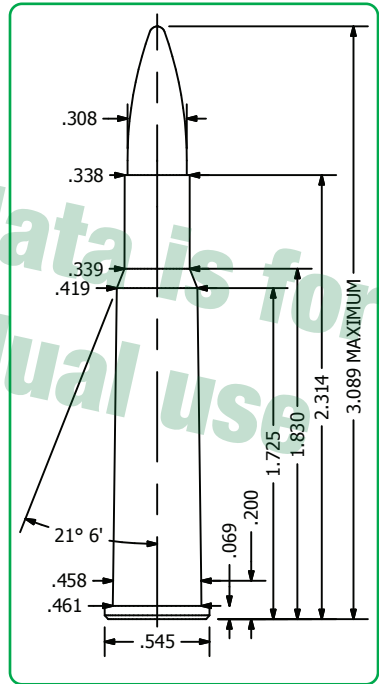
Remarks:

The 30-40 Krag-Jorgensen was our first truly "modern" bolt-action military rifle. Capt. O. Krag and E. Jorgensen at the Royal Manufactory of Arms in Kongesdert, Norway, designed the rifle. It had some unique features, such as the side-loading, five-round magazine, and was highly praised for its smooth bolt throw. Submitted to U.S. Ordnance for a series of trials that began




in December 1890, the Krag was adopted for service in 1892. Like its predecessor, the 45-70, the second number designates the original powder charge — 40 grains of smokeless powder. Old military records sometimes refer to the 30-40-220, denoting the caliber, powder charge and bullet weight. This designation is generally shortened to the 30-40 Krag, or just the 30 Krag.

Early lots of military ammunition were loaded with a steel-jacketed 230 grain round-nose bullet, but this was changed to the better-known 220 grain loading. Also known as the 30 Army, 30 USA, and 30-40 Winchester, the cartridge soon earned a solid reputation as a big game cartridge capable of cleanly taking even moose and elk. This should come as no surprise. Heavy, blunt-nosed bullets at moderate velocities have always proven to be a winning combination when tough game is on the agenda.

While the 30-40 can be loaded to duplicate the performance of the more modern 308 Winchester, some factors should be kept in mind. Older rifles chambered for the 30-40 Krag were generally throated for the long 220 grain round-nose bullets. As a result, it can be difficult to obtain accuracy from the lighter bullets, particularly the spitzers. The Krag earned its reputation for both accuracy and killing power through the use of round-nose bullets. For this reason, we recommend 180 and 220 grain round-nose bullets as the best choices for most hunting situations. Although not as flat-shooting or as glamorous as the newer magnums, the Krag is still an excellent cartridge and one well worth reloading.




30-40 Krag

	Bullet	Caliber	Weight	Type	C.O.A.L.	
	#2100	.308"	110gr.	RN	2.800"	
	#2105	.308"	110gr.	FMJ	2.800"	
	#2110	.308"	110gr.	HP	2.875"	
Powder	Velocity	2400	2500	2600	2700	2800
IMR-3031		36.7	38.6	40.5	42.3	44.2
IMR-4895		41.5	42.9	44.3	45.7	47.1
IMR-4064		42.3	43.9	45.5	47.1	
IMR-4320		43.7	45.0	46.4	47.7	
H380		46.9	48.5	50.2	51.8	
IMR-4350		49.7	51.3	52.9	54.5	
Energy Ft. lbs		1407	1526	1651	1780	1915
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	IMR-4895	45.7	2700	1780		
Hunting Load	IMR-4895	45.7	2700	1780		







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Bullet Caliber Weight Type						C.O.A.L.
	#2120	.308"	125gr.	SPT		2.950"
Powder	Velocity	2200	2300	2400	2500	2600
IMR-3031		36.3	37.7	39.1	40.4	41.8
IMR-4895		37.3	39.2	41.1	42.9	44.8
IMR-4064		40.3	41.7	43.2	44.6	46.0
IMR-4320		39.6	41.3	43.0	44.6	46.3
H380		42.9	44.8	46.7	48.6	
IMR-4350		46.1	48.0	49.9	51.7	53.6
IMR-4831		48.4	50.4	52.3		
H4831		51.5	53.7	55.9		
Energy Ft. lbs		1343	1468	1598	1734	1876
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	IMR-4895	41.1	2400	1598		
Hunting Load	IMR-4895	42.9	2500	1734		

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redistribute.




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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#2115	.308"	150gr.	FMJBT	3.089"
	#2130	.308"	150gr.	SPT	3.089"
	#2125	.308"	150gr.	SBT	3.089"
	#2190	.308"	150gr.	HPBT MatchKing	3.089"
	#2135	.308"	150gr.	RN	2.800"
	#2155	.308"	155gr.	HPBT Palma MatchKing	3.089"






Powder ∨	Velocity >	2200	2300	2400	2500
IMR-3031		35.7	37.5	39.2	41.0
IMR-4895		36.1	38.4	40.7	43.0
IMR-4064		38.7	40.7	42.7	44.7
IMR-4320		39.5	41.3	43.0	44.8
H380		43.0	44.8	46.6	
IMR-4350		45.8	47.6	49.5	51.3
IMR-4831		48.1	50.0	51.9	
H4831		50.9	53.3	55.6	
Energy Ft. lbs		1612	1762	1918	2081

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR-4064	42.7	2400	1918
Hunting Load	IMR-4064	44.7	2500	2081

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#2145	.308"	165gr.	SBT	3.089"
	#2140	.308"	165gr.	HPBT	3.089"
	#2200	.308"	168gr.	HPBT MatchKing	3.089"
Powder	Velocity	2100	2200	2300	2400
IMR-3031		34.8	36.4	38.0	
IMR-4895		35.9	37.9	39.9	41.9
IMR-4064		37.3	39.3	41.3	43.3
IMR-4320		37.6	39.6	41.6	43.6
H380		41.0	42.9	44.8	
IMR-4350		44.0	45.8	47.6	49.4
IMR-4831		46.2	48.1	50.0	
H4831		48.0	50.4	52.8	
Energy Ft. lbs		1615	1773	1938	2110
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb	
Accuracy Load	IMR-4064	41.3	2300	1938	
Hunting Load	IMR-4064	43.3	2400	2110	





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Bullet	Caliber	Weight	Type	C.O.A.L.
	#2275	.308"	175gr. HPBT MatchKing	3.089"
	#2150	.308"	180gr. SPT	3.089"
	#2160	.308"	180gr. SBT	3.089"
	#2220	.308"	180gr. HPBT MatchKing	3.089"
	#2170	.308"	180gr. RN	3.000"

Powder	Velocity	1900	2000	2100	2200	2300
IMR-3031		32.4	34.0	35.5	37.1	
IMR-4895		34.2	35.9	37.5	39.2	40.8
IMR-4064		33.5	35.6	37.7	39.8	41.9
IMR-4320		34.2	36.3	38.3	40.4	42.4
H380		36.9	39.0	41.0	43.1	
IMR-4350		40.2	42.0	43.8	45.6	47.4
IMR-4831		42.2	44.1	46.0	47.9	
H4831		42.2	44.8	47.5	50.1	
Energy Ft. lbs		1403	1554	1713	1880	2055

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR-4350	45.6	2200	1880
Hunting Load	IMR-4350	47.4	2300	2055

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	Bullet	Caliber	Weight	Type	C.O.A.L.	
	#2165	.308"	200gr.	SBT	3.089"	
	#2230	.308"	200gr.	HPBT MatchKing	3.089"	
Powder	Velocity	1800	1900	2000	2100	2200
IMR-3031		31.5	33.1	34.7	36.3	
IMR-4895		32.6	34.5	36.4	38.3	40.2
IMR-4064		35.0	36.5	38.0	39.4	40.9
IMR-4320		33.3	35.3	37.3	39.3	
H380		34.8	37.2	39.5	41.9	
IMR-4350		38.7	40.7	42.7	44.7	46.7
IMR-4831		40.2	42.3	44.4	46.5	48.6
H4831			44.8	47.1	49.3	51.6
Energy Ft. lbs		1439	1603	1776	1958	2149
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	IMR-4350	44.7	2100	1958		
Hunting Load	IMR-4350	46.7	2200	2149		
	Bullet	Caliber	Weight	Type	C.O.A.L.	
	#2240	.308"	220gr.	HPBT MatchKing	3.089"*	
	#2180	.308"	220gr.	RN	3.000"	
*requires a 1x10" or faster twist						
Powder	Velocity	1800	1900	2000	2100	
IMR-3031		31.5	33.2	34.8		
IMR-4895		32.0	34.1	36.2	38.3	
IMR-4064		34.3	36.0	37.8	39.5	
IMR-4320		33.3	35.4	37.4		
H380		36.4	38.4	40.4		
IMR-4350		38.2	40.3	42.3	44.4	
IMR-4831		40.1	42.3	44.4		
H4831		43.2	45.5	47.8		
Energy Ft. lbs		1582	1763	1954	2154	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	IMR-4350	42.3	2000	1954		
Hunting Load	IMR-4350	44.4	2100	2154		