

225 WINCHESTER

Test Specifications:

Firearm Used: Winchester M70

Barrel Length: 22"

Twist: 1 x 14"

Components:

Case: Winchester

Trim-to Length: 1.920"

Primer: Federal 210M

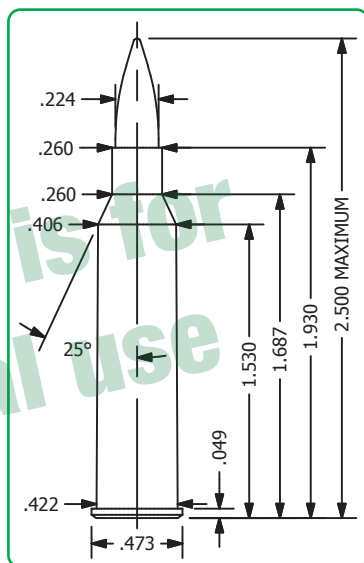
Remarks:

If ever a cartridge was introduced in the wrong place, at the wrong time, for the wrong reasons, it was the 225 Winchester. Intended as a replacement for the 220 Swift, the 225 was first chambered in the redesigned Model 70 of 1964. Gun writers and the gun-buying




public alike bashed the "new" rifle unmercifully, and the 225 suffered by association. That was strike one. With its slightly reduced capacity — as compared to the Swift — the 225 could not match the ballistic potential of the older cartridge. Strike two. Remington's adoption of the ballistically similar (and already very popular) 22-250 in early 1965 sealed the fate of the 225 once and for all. Strike three. Winchester quietly dropped the chambering in 1972.



Winchester addressed the criticisms leveled against the redesigned Model 70 and restored much of its earlier popularity. No such effort was made to revive the 225, and it has faded into near obsolescence.

Accurate and flat shooting, the 225 is capable of performance that should have guaranteed its popularity. As with most other semi-rimmed, bottle-necked cartridges, the 225 should be handled as a rimless case when reloading, and headspaced on the shoulder. Our best results in accuracy and velocity came with IMR-4064.









775 WINCHESTER

	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1200	.224"	40gr.	Hornet	2.350"		
	#1385	.224"	40gr.	HP	2.370"		
	#1440	.224"	40gr.	BlitzKing	2.370"		
Powder	Velocity	3000	3100	3200	3300	3400	3500
IMR-4198		22.4	23.2	23.9	24.7	25.4	
IMR-3031			26.1	26.8	27.6	28.3	29.0
IMR-4895		28.1	28.8	29.5	30.2	30.9	31.6
IMR-4064					30.8	31.4	31.9
IMR-4320			29.4	30.0	30.5		
Energy Ft. lbs		799	853	909	967	1027	1088
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	IMR-4064	31.4	3400	1027			
Hunting Load	IMR-4064	31.9	3500	1088			

	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1210	.224"	45gr.	Hornet	2.360"		
	#1310	.224"	45gr.	SPT	2.390"		
Powder	Velocity	3200	3300	3400	3500	3600	3700
H322			27.0	27.8	28.5	29.3	30.0
IMR-4895		29.4	30.2	31.1	31.9	32.7	
IMR-4064		30.2	30.8	31.4	32.0	32.6	33.2
H380		33.2	34.4	35.5	36.7		
H414				34.3	35.7	37.2	38.6
Energy Ft. lbs		1023	1088	1155	1224	1295	1368
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	IMR-4064	32.6	3600	1295			
Hunting Load	IMR-4064	33.2	3700	1368			










725 WINCHESTER

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1320	.224"	50gr.	SMP	2.370"			
	#1330	.224"	50gr.	SPT	2.400"			
	#1340	.224"	50gr.	Blitz	2.400"			
	#1450	.224"	50gr.	BlitzKing	2.440"			
Powder ∨	Velocity >	3100	3200	3300	3400	3500	3600	
A 2015 BR		27.3	27.8	28.3	28.8	29.3	29.8	
IMR-4895		28.8	29.7	30.6	31.5	32.4	33.3	
IMR-4064		29.7	30.2	30.8	31.3	31.9	32.4	
A 2700				35.2	36.1	36.9	37.8	
H380			32.3	33.5	34.8	36.0		
Energy Ft. lbs		1067	1137	1209	1283	1360	1439	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	IMR-4064	31.3	3400	1283				
Hunting Load	IMR-4064	32.4	3600	1439				

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1410	.224"	52gr.	HPBT MatchKing	2.440"			
	#1400	.224"	53gr.	HP MatchKing	2.440"			
Powder ∨	Velocity >	3100	3200	3300	3400	3500	3600	
A 2015 BR		27.1	27.6	28.1	28.7	29.2	29.7	
IMR-4895		28.8	29.7	30.6	31.5	32.4	33.3	
IMR-4064		29.7	30.2	30.8	31.3	31.9	32.4	
H380		32.3	33.5	34.8	36.0			
Energy Ft. lbs		1109	1182	1257	1335	1414	1496	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	IMR-4064	31.9	3500	1414				

Sierra does not recommend MatchKing bullets for hunting applications.

275 WINCHESTER

	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1345	.224"	55gr.	Blitz	2.440"		
	#1350	.224"	55gr.	SMP	2.400"		
	#1355	.224"	55gr.	FMJBT	2.440"		
	#1360	.224"	55gr.	SPT	2.440"		
	#1365	.224"	55gr.	SBT	2.440"		
	#1390	.224"	55gr.	HPBT	2.420"		
	#1455	.224"	55gr.	BlitzKing	2.440"*		
*requires a 1x12" or faster twist							
Powder	Velocity	3000	3100	3200	3300	3400	3500
IMR-4895		28.1	29.0	29.9	30.8	31.7	32.6
IMR-4064			29.3	29.9	30.6	31.2	31.8
H380		31.6	32.7	33.8	34.9	36.0	
Energy Ft. lbs		1099	1173	1250	1330	1412	1496
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	IMR-4064	30.6	3300	1330			
Hunting Load	IMR-4064	31.8	3500	1496			
	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1375	.224"	60gr.	HP	2.440"		
	#1370	.224"	63gr.	SMP	2.440"		
Powder	Velocity	2800	2900	3000	3100	3200	3300
IMR-4198		22.0	23.0				
IMR-3031		24.5	25.5				
IMR-4895		26.7	27.7	28.7	29.8	30.8	31.8
IMR-4064			27.8	28.6	29.4	30.1	30.9
IMR-4320		26.8	27.8				
H380			30.8	32.1	33.5	34.8	
Energy Ft. lbs		1044	1120	1199	1280	1364	1451
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	IMR-4064	29.4	3100	1280			
Hunting Load	IMR-4064	30.1	3200	1364			