

221 FIREBALL

Test Specifications:

Firearm Used: Howa 1500

Barrel Length: 20"

Twist: 1 x 12"

Components:

Case: R P

Trim-to Length: 1.390"

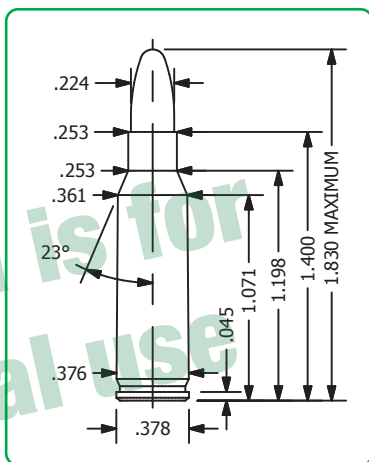
Primer: Federal 205

Remarks:




When Remington introduced the 221 Fireball in the revolutionary XP100 single shot pistol, they threw the shooting world a curve. Providing varmint rifle accuracy and velocities, the hot little 221 created quite a stir. Today, the Fireball seems to have come full circle. Rather than being the most potent pistol cartridge going, the 221 Fireball has now developed a small following of shooters who want a mild, quiet, short range varmint rifle. With the ever increasing boundaries of new housing tracts and encroaching urbanization, the need for such a cartridge becomes more apparent every year. The 221 has been offered as a factory chambering by Kimber, Cooper and others.



Based on a shortened 222 Remington case, the Fireball was optimized for performance in a 10 inch barrel of the XP 100 pistol. When run through a longer barrel, the 221 delivers velocities that fall somewhere between the parent 222 Remington and the old 218 Bee. In many ways, the 221 fills the same niche once occupied by the 22 Hornet, but without many of the problems normally associated with that cartridge. Being a rimless bottleneck design, it sidesteps the feeding problems sometimes associated with the Hornet. And, like its parent case, the Fireball is capable of truly impressive accuracy. For situations where shots come at 200 yards or less, the Fireball is a tough choice to beat.

With the reduced velocity common to such a small capacity case, thin jacketed bullets should be chosen for best results on varmints. The Blitz bullets, especially the 50 grain spitzer, are an excellent choice. The 50 grain BlitzKings are even more frangible, and are well suited for taking non edible game. As would be expected, powders for the 221 are those on the fast end of the scale.







221 FIREBALL

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1200	.224"	40gr.	Hornet	1.750"			
	#1385	.224"	40gr.	HP	1.830"			
	#1440	.224"	40gr.	BlitzKing	1.830"			
Powder	Velocity	2600	2700	2800	2900	3000	3100	3200
2400		12.1	12.6	13.1	13.6	14.1	14.6	15.1
H4227		14.0	14.4	14.8	15.2	15.6		
Viht N130		17.0	17.4	17.8	18.2	18.6	19.0	
A 1680		15.5	16.1	16.7	17.3	17.9		
H4198		16.0	16.4	16.8	17.2	17.6	18.0	
A 2015		17.4	18.1	18.8	19.5	20.2		
RE 7		17.2	17.5	17.8	18.1	18.4	18.7	19.0
Energy Ft. lbs		600	647	696	747	799	853	909
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	A 2015	18.8	2800	696				
Hunting Load	A 2015	20.2	3000	799				

	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1210	.224"	45gr.	Hornet	1.770"		
	#1310	.224"	45gr.	SPT	1.830"		
Powder	Velocity	2600	2700	2800	2900	3000	3100
2400			13.0	13.6	14.2	14.8	
H4227		13.8	14.3	14.8	15.3	15.8	
Viht N130		16.9	17.4	17.9	18.4	18.9	
A 1680		15.4	16.0	16.6	17.2	17.8	
H4198		15.9	16.4	16.9	17.4	17.9	
A 2015		17.6	18.3	19.0	19.7	20.4	
RE 7		16.7	17.1	17.5	17.9	18.3	18.7
Energy Ft. lbs		675	728	783	840	899	960
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	Viht N130	18.9	3000	899			
Hunting Load	RE 7	18.7	3100	960			



221 FIREBALL

Bullet	Caliber	Weight	Type	C.O.A.L.
	#1320	.224"	50gr. SMP	1.830"
	#1330	.224"	50gr. SPT	1.830"
	#1340	.224"	50gr. Blitz	1.830"
	#1450	.224"	50gr. BlitzKing	1.830"

Powder	Velocity	2500	2600	2700	2800	2900	3000
2400		12.6	13.1	13.6	14.1	14.6	
H4227		13.7	14.2	14.7	15.2	15.7	
Viht N130		16.4	16.9	17.4	17.9	18.4	
A 1680		15.6	16.2	16.8	17.4	18.0	
H4198		15.7	16.2	16.7	17.2	17.7	
A 2015		17.6	18.2	18.8	19.4	20.0	
RE 7		16.5	17.0	17.4	17.8	18.2	18.6
H322		18.2	18.6	19.0	19.4	19.8	20.2
Energy Ft. lbs		694	750	809	870	934	999








Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	H322	19.8	2900	934
Hunting Load	RE 7	18.6	3000	999

221 FIREBALL

Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1410	.224"	52gr.	HPBT MatchKing	1.830"			
	#1400	.224"	53gr.	HP MatchKing	1.830"			
Powder	Velocity	2400	2500	2600	2700	2800	2900	
2400			12.6	13.1	13.6			
H4227		13.5	14.0	14.5	15.0	15.5		
Viht N130		16.3	16.8	17.3	17.8	18.3		
A 1680		15.1	15.6	16.1	16.6	17.1	17.6	
H4198		15.5	16.0	16.5	17.0	17.5		
A 2015		16.8	17.6	18.4	19.2	20.0		
RE 7		15.9	16.4	16.9	17.4	17.9	18.4	
H322		17.0	17.6	18.2	18.8	19.4	20.0	
Energy Ft. lbs		665	722	780	842	905	971	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	H4227	15.5	2800	905				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								

Do not edit or redistribute.

221 FIREBALL

Bullet	Caliber	Weight	Type	C.O.A.L.
	#1345	.224"	55gr. Blitz	1.830"
	#1350	.224"	55gr. SMP	1.830"
	#1355	.224"	55gr. FMJBT	1.830"
	#1360	.224"	55gr. SPT	1.830"
	#1365	.224"	55gr. SBT	1.830"
	#1390	.224"	55gr. HPBT	1.820"
	#1455	.224"	55gr. BlitzKing	1.830"*

*requires a 1x12" or faster twist

Powder	Velocity	2400	2500	2600	2700	2800
H4227		13.5	14.0	14.5	15.0	15.5
Viht N130		16.0	16.5	17.0	17.5	18.0
A 1680		14.7	15.3	15.9	16.5	17.1
H4198		15.0	15.6	16.2	16.8	17.4
A 2015		17.4	18.0	18.6	19.2	19.8
RE 7		15.5	16.0	16.5	17.0	17.5
H322		17.5	18.0	18.5	19.0	19.5
Energy Ft. lbs		703	763	825	890	957

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	RE 7	17.5	2800	957
Hunting Load	H4227	15.5	2800	957