

22 HORNET

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-12"

Components:

Case: Nosler

Trim-to Length: 1.393"

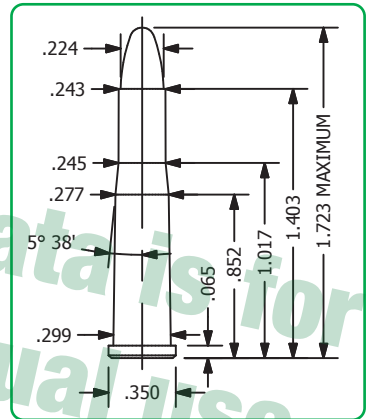
Primer: WSR

Remarks:





Conceived as a small game and varmint cartridge, the Hornet holds the distinction of being the first of our "modern" 22 centerfires. An outgrowth of the old 22 WCF (also known as the 22-13-45), the list of experimenters involved in the development of the Hornet reads like a "Who's Who" of legendary shooters of the 1920s. Grove Wotkyns, Townsend Whelen, G.A. Woody and Al Woodworth, all of Springfield Armory, participated in the experimentation that led to the round's final acceptance. Winchester apparently saw the potential of this hot little 22, and factory ammunition became available in 1930. Curiously, this was a full two years before factory-chambered rifles were available! Several decades later, the Hornet remains an excellent choice for varmints out to 175 to 200 yards.

While it has much to offer, the Hornet is somewhat difficult to reload. Due to the thin walls of the Hornet case, extreme care must be used when seating the bullet. If the cases have not been sufficiently expanded and chamfered, the necks will collapse. Even with properly chamfered cases, the handloader should carefully align the bullet in the case mouth before running the cartridge into the seating die. Failure to do so will also lead to collapsed necks. As with any small capacity, high-pressure centerfire cartridge, small changes in components can result in large pressure variations. Things happen pretty fast in such a small case, and the prudent handloader will remain alert to any potential changes in components or performance.

With its limited case capacity, the Hornet is best served by fast-burning powders such as IMR-4227, Hodgdon H110, or Accurate Arms 1680. Bullets for the Hornet are available in two diameters — .223" for the older (pre-WWII) rifles and .224" for the newer models. If in doubt about the proper bullet diameter for a particular rifle, we suggest having the bore "slugged" by a competent gunsmith. In either diameter, bullets intended specifically for the Hornet should be used. Sierra produces both 40 and 45 grain Hornet bullets that are ideal for varminting. At the reduced velocities (compared to larger-cased 22 centerfire cartridges) of the Hornet, these thin-jacketed bullets ensure reliable expansion on game.






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Bullet	Caliber	Weight	Type	C.O.A.L.
	#1100	.223"	40gr. Hornet	1.720"
	#1200	.224"	40gr. Hornet	1.720"
	#1385	.224"	40gr. HP	1.720"
	#1440	.224"	40gr. BlitzKing	1.720"

Powder	Velocity	1700	1900	2100	2300	2500	2700	2900
2400					10.1	11.2		
Enforcer							11.0	12.2
Lil Gun						11.9	12.9	
H110						10.3	11.3	
A 5744			9.6	10.5	11.5			
A 1680				12.0	13.0			
CFE BLK				12.2	13.2			
RE 7	10.0	11.0						
IMR 4198		9.6	10.5					
H4198	9.3	10.0	10.6	11.3				
N120			9.7	11.0				
Energy Ft. Lbs		257	321	392	470	555	647	747

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	H4198	11.3	2300	470
Hunting Load	Enforcer	12.2	2900	747










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		Bullet	Caliber	Weight	Type	C.O.A.L.			
		#1110	.223"	45gr.	Hornet	1.720"			
		#1210	.224"	45gr.	Hornet	1.720"			
		#1310	.224"	45gr.	SPT	1.720"			
Powder	Velocity	1900	2100	2300	2400	2500	2600	2700	
2400				9.6	10.4	11.1			
Enforcer					9.8	10.3	10.8	11.2	
N110				8.7	9.3				
Lil Gun					11.5	12.1	12.7		
H110				8.7	9.5	10.2	10.9		
IMR 4227		9.7	10.8	11.4					
A 5744		10.0	10.9	11.4					
A 1680					12.2	12.8	13.5		
CFE BLK				12.3	12.7				
RE 7	10.4	11.5							
H4198		10.5	11.9						
N120		10.2	11.1	11.6					
Energy Ft. Lbs	361	441	528	575	624	675	728		
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	N110	9.3	2400	575					
Hunting Load	Enforcer	11.2	2700	728					

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Bullet	Caliber	Weight	Type	C.O.A.L.					
	#1320	.224"	50gr.	SMP	1.720"				
	#1330	.224"	50gr.	SPT	1.720"				
	#1340	.224"	50gr.	Blitz	1.720"				
	#1450	.224"	50gr.	BlitzKing	1.755"				
Powder	Velocity	2100	2200	2300	2400	2500	2600	2700	
2400		8.7	9.2						
Enforcer			8.8	9.3	9.8	10.3			
N110		7.9	8.4	9.0					
Lil Gun					11.3	11.8	12.4	12.9	
H110				9.3	9.9	10.5			
IMR 4227	9.9	10.5	11.2						
A 5744	9.9	10.3	10.8						
A 1680	10.8	11.4	12.0						
CFE BLK	11.3	11.8	12.3	12.8					
RE 7	11.5	12.0							
IMR 4198	10.9	11.5							
H4198	10.9	11.4							
N120	10.1	10.6	11.1	11.6					
Energy Ft. Lbs	490	537	587	639	694	750	809		
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	Enforcer	10.3	2500	694					
Hunting Load	Lil Gun	12.9	2700	809					

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	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1410	.224"	52gr.	HPBT Match	1.880"			
	#1400	.224"	53gr.	HP Match	1.900"			
	#1345	.224"	55gr.	Blitz	1.720"			
	#1350	.224"	55gr.	SMP	1.720"			
	#1355	.224"	55gr.	FMJBT	1.880"			
	#1360	.224"	55gr.	SPT	1.720"			
	#1365	.224"	55gr.	SBT	1.720"			
	#1390	.224"	55gr.	HPBT	1.720"			
	#1455	.224"	55gr.	BlitzKing	1.880"			
Powder	Velocity	1850	1975	2100	2225	2350	2475	2600
2400			8.4	8.9				
N110		6.9	7.6	8.3				
Lil Gun					10.6	11.4	12.1	12.9
IMR 4227			9.3	10.2				
A 5744		9.1	9.6	10.1				
CFE BLK		10.3	10.9	11.6	12.3	12.9		
RE 7		10.5	11.2					
IMR 4198		9.5	10.2	11.0				
H4198		9.8	10.6	11.3				
N120		9.0	9.7	10.3	10.9			
Energy Ft. Lbs		395	450	509	572	638	707	780
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	N110	8.3	2100	509				
Hunting Load	Lil Gun	12.9	2600	780				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								