

22 REMINGTON JET

Test Specifications:

Firearm Used: S&W Model 53

Barrel Length: 6"

Twist: 1 x 15"

Components:

Case: Remington

Trim-to Length: 1.283"

Primer: CCI 550

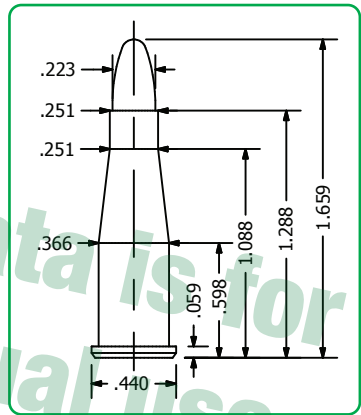
Remarks:

Bottle necked cartridges in revolvers have been notoriously unsuccessful. They have also held a continued fascination for U.S. shooters. This is what prompted Smith & Wesson to introduce the Model 53 22 Magnum in March of 1961. This unique revolver was inspired by an earlier gunsmith conversion of the Model 17 22 rimfire to a wildcat version of the 22 Hornet. Commonly known as the 22 K Chuck, the conversion provided hunters with a hard hitting, flat shooting revolver for varmints and small game.


In response to this, Smith & Wesson coordinated with both Winchester and Remington to produce a true high velocity revolver cartridge. Winchester provided a cartridge that came to be known as the 256 Winchester Magnum, while Remington offered a new cartridge called the 22 Jet. After a period of evaluation, S&W opted for Remington's Jet. Based on a necked down 357 Magnum case, the Jet pushed a 40 grain bullet at an advertised 2460 fps from an 8 3/8" barrel. It was just what S&W was looking for, and was marketed as the Model 53 22 Center Fire Magnum. The Model 53 was unique in that it was offered with sub caliber chamber inserts that allowed for the use of 22 Long Rifle rimfire cartridges. An optional auxiliary 22 L.R. Cylinder was also available on special order.


The Model 53 is an interesting revolver, and an impressive performer in the field. Problems were encountered, however, when shooters began to experience "set back," a condition that causes the cylinder to lock up. This occurs when the case head is forced against the breech face upon firing, and is usually caused by traces of oil or grease in the chambers. This can be avoided by keeping both the chambers and ammunition meticulously clean and free of lubricant. The setback problems created too many bad impressions however, and S&W discontinued the Model 53 in 1974.

Despite its troubled past, the 22 Jet can be reloaded with good results. Unlike most other modern 22 caliber centerfires, the proper bullet size for use in the Jet is .223" diameter. Keeping the chambers thoroughly clean and dry can largely eliminate set back problems. The Model 53 was a unique and interesting revolver, and can still offer the handloader an impressive level of performance.



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Bullet Caliber Weight Type						C.O.A.L.
	#1100	.223"	40gr.	Hornet		1.655"
Powder	Velocity	1500	1600	1700	1800	1900
Unique		6.0	6.5	7.0		
H110				9.9	10.5	
2400			9.5	10.0	10.5	10.9
IMR 4227				12.2	12.8	13.4
Energy Ft. lbs		200	227	257	288	321
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	IMR 4227	12.8	1800	288		
Hunting Load	IMR 4227	13.4	1900	321		

Bullet Caliber Weight Type						C.O.A.L.
	#1110	.223"	45gr.	Hornet		1.655"
Powder	Velocity	1400	1500	1600	1700	
Unique		5.7	6.2	6.7		
H110			9.5	10.0	10.6	
2400			9.6	10.0	10.5	
IMR 4227			12.1	12.5	13.0	
Energy Ft. lbs		196	225	256	289	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	IMR 4227	12.5	1600	256		
Hunting Load	IMR 4227	13.0	1700	289		