

40 S&W

Test Specifications:

Firearm Used: Universal

Barrel Length: 4"

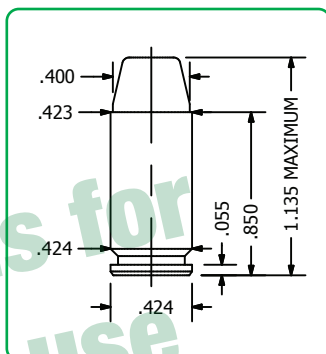
Twist: 1-14"

Components:

Case: Starline

Trim-to Length: 0.840"

Primer: WSP




Remarks:

Few cartridges in recent memory have enjoyed such immediate acceptance as the 40 Smith & Wesson. Introduced in 1990, the 40 S&W apparently hit upon the ideal combination of gun size, mild recoil, high magazine capacity and reliable stopping power. Duplicating the performance of the "10mm Lite" loads adopted by the FBI, Smith & Wesson's engineers sought to produce a cartridge short enough to be chambered in their smaller 9mm frame. The combination was a success, and the California Highway Patrol as well as several other large law enforcement agencies soon adopted the 40 S&W.


Loading the 40 S&W is no more difficult than loading for any other rimless case for auto pistols. Fast burning powders, such as 231 and Accurate Arms #2, will give good results for light target type loads. Medium burning powders, such as Unique and HS 6, will perform better for the heavier loads. Like the 45 ACP and the 9mm Luger, the 40 should be given a moderate taper crimp to ensure reliable feeding. Although the 10mm and 40 S&W have the same head dimensions, 40 S&W cases cannot be made by trimming 10mm cases to length. Cases for the 40 have a different internal taper, because of their shorter length, and are designed to use a small primer.

We have found the 40 S&W to be an accurate cartridge, but not quite capable of producing the incredible groups so frequently seen in the 10mm Auto. Intended as a service cartridge from its inception, it has more than acceptable accuracy for any law enforcement or self defense task. While we have seen some IPSC/USPSA handguns chambered for the 40 S&W, it doesn't seem to have made much impact in competitive circles. This may change as the tactical and/or stock classes expand.


40 S&W

Bullet Caliber Weight Type				C.O.A.L.				
	#8425	.400"	135gr.	JHP	1.125"			
Powder ▾	Velocity >	950	1050	1150	1250	1300	1350	1400
Clays		4.5	5.1	5.7				
Bullseye			5.4	6.1	6.4	6.7		
Tite Group				5.9	6.3	6.6		
American Select		4.8	5.4	5.9				
BE 86				7.4	7.7	8.0	8.3	
A#2			5.5	6.1				
Zip	5.2	5.8	6.4	6.9	7.2	7.5		
Win 231		5.6	6.2	6.8	7.1	7.3		
Unique						8.2	8.7	9.1
Universal			6.1	6.8	7.1	7.4	7.7	
Power Pistol						8.1	8.3	8.6
N340						7.3	7.8	
True Blue			7.3	8.0	8.3	8.7		
A#5			8.1	8.8	9.2	9.5	9.9	
Auto Comp					8.2	8.4	8.6	
CPE Pistol				7.3	7.6	7.9	8.2	
Silhouette	7.1	7.7	8.3	8.5	8.8	9.1		
3N37			8.4	8.7	8.9	9.2		
N350				8.2	8.5	8.9		
Win 572						8.3	8.7	
A#7						11.3	11.6	
Longshot					8.1	8.4	8.6	
Energy Ft. Lbs		270	330	396	468	507	546	587
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	Tite Group	6.6	1350	546				
Hunting Load	BE 86	8.3	1400	587				


40 S&W

Bullet Caliber Weight Type								C.O.A.L.
	#8430	.400"	150gr.	JHP				1.125"
Powder ∨	Velocity >	900	1000	1100	1200	1300	1350	1400
Clays		3.9	4.4	4.9				
Bullseye			4.5	5.1	5.7			
Tite Group				5.1	5.7			
American Select		4.1	4.6	5.1				
BE 86				6.3	7.0	7.7	8.1	
A#2			4.7	5.4				
Zip				6.0	6.6			
Win 231			5.2	5.8	6.4			
Unique					7.1	7.9		
Universal			5.5	5.9	6.4			
Power Pistol					7.3	8.3	8.8	
Herco						8.4	9.1	9.7
N340			5.7	6.3	6.8			
True Blue					7.9	8.7		
A#5					8.7	9.5		
Auto Comp				6.7	7.3	8.0		
CFE Pistol				6.3	7.0	7.6		
Silhouette					7.7	8.3	8.6	
3N37		6.9	7.5	8.1	8.8			
N350		6.3	6.9	7.6	8.2			
Win 572				6.6	7.3	8.0	8.4	
A#7				9.0	9.8	10.7	11.1	
Longshot					7.6	8.3	8.7	
Energy Ft. Lbs		270	333	403	480	563	607	653
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb		
Accuracy Load	Auto Comp	8.0		1300		563		
Hunting Load	Herco	9.7		1400		653		

40 S&W

Bullet		Caliber	Weight	Type	C.O.A.L.						
	#8445	.400"	165gr.	JHP	1.125"						
	#9465	.400"	165gr.	JHP Sig V-Crown	1.125"						
Powder ▾	Velocity >	850	950	1050	1150	1200	1250				
Clays		3.5	4.0	4.5							
Bullseye			4.4	5.0	5.7						
Tite Group			4.3	5.0							
American Select			4.4	5.0							
BE 86				6.0	6.7	7.1	7.4				
A#2			4.4	5.2							
Zip	4.6		5.2	5.8							
Win 231			4.9	5.6							
Unique				5.7	6.6	7.0					
Universal			5.2	5.7	6.2						
Power Pistol				6.1	6.9	7.4	7.8				
N340			5.3	5.9							
True Blue			5.9	6.6	7.4						
A#5			6.6	7.4	8.1						
Auto Comp	5.0		5.7	6.3	6.9	7.3					
CFE Pistol				5.8	6.5	6.9					
Silhouette	5.5		6.1	6.7	7.2	7.5					
3N37					7.6	7.9					
N350				6.5	7.1						
Win 572				6.0	6.8	7.2					
A#7					9.4	9.7					
Longshot					7.1	7.5	7.9				
Energy Ft. Lbs		265	331	404	484	527	572				
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb					
Accuracy Load	3N37	7.9		1200		527					
Hunting Load	BE 86	7.4		1250		572					

40 S&W

Bullet Caliber Weight Type								C.O.A.L.
		#8460 .400" 180gr. JHP						1.125"
Powder ∨	Velocity >	750	850	900	950	1000	1050	1100
Clays			3.6	3.9	4.2			
Bullseye				4.1	4.4	4.7	5.1	
Tite Group				4.0	4.3	4.6		
American Select			3.8	4.1	4.4			
BE 86					5.4	5.8	6.1	6.5
A#2			4.0	4.3	4.6			
Zip			4.6	4.9	5.2	5.4		
Win 231				4.5	4.9	5.2		
Unique				4.7	5.1	5.5	5.8	
Universal		4.1	4.6	4.8	5.0	5.3	5.5	
Power Pistol					5.6	6.0	6.4	6.8
Herco				4.9	5.3	5.7	6.0	6.4
N340			4.7	5.0	5.2	5.5	5.8	
True Blue				5.6	6.0	6.4	6.7	7.1
A#5					6.7	7.1	7.5	7.9
Auto Comp			4.9	5.3	5.6	6.0	6.3	
CFE Pistol			4.8	5.1	5.4	5.7	6.1	
Silhouette				5.5	5.8	6.2	6.5	6.9
3N37			5.7	6.0	6.3	6.7	7.0	7.3
N350			5.3	5.6	5.9	6.1	6.4	6.7
Win 572				5.0	5.4	5.7	6.1	6.4
A#7					7.7	8.1	8.6	9.0
Longshot				5.3	5.6	6.0	6.3	6.6
Energy Ft. Lbs		225	289	324	361	400	441	484
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb		
Accuracy Load	True Blue	7.1		1100		484		
Hunting Load	BE 86	6.5		1100		484		