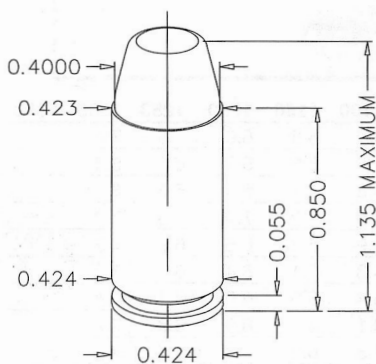


40 S&W



Test Specifications/ Components

Firearm Used: Para Ordnance P-16

Barrel Length: 5"

Twist: 1 x 16"

Case: Starline

Trim-to Length: 0.840"

Primer: Winchester 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. In the meantime, the 40 S&W will have to settle for being the most successful new duty cartridge to come down the pike.

40 S&W continued#8425 .400" 135 gr. JHP
C.O.A.L. 1.125"

Powder+Velocity→	950	1000	1050	1100	1150	1200	1250	1300	1350
AA-No. 2		5.1	5.5	5.9	6.3	6.6	7.0	7.4	
Clays		4.0	4.4	4.8	5.3	5.7	6.1	6.5	
Viht N320	5.0	5.3	5.5	5.8	6.1	6.4	6.6	6.9	
WST	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	
231		5.2	5.5	5.9	6.2	6.5	6.9	7.2	
ZIP		5.2	5.5	5.8	6.1	6.4	6.7	7.0	
Viht N330	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	
AA-No. 5		7.3	7.7	8.1	8.5	8.9	9.3	9.7	
Unique		5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
Univ. Clays	5.6	5.9	6.2	6.4	6.7	7.0	7.3	7.5	7.8
SR7625	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8
HS-6	7.2	7.5	7.9	8.2	8.5	8.8	9.2	9.5	
Silhouette	7.0	7.2	7.5	7.7	8.0	8.2	8.4	8.7	8.9
Viht N340	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0
Herco	6.5	6.9	7.3	7.8	8.2	8.6	9.0		
WSF		6.0	6.4	6.7	7.1	7.5	7.9	8.2	8.6
SR4756	7.2	7.6	7.9	8.3	8.6	9.0	9.3	9.7	
Viht 3N37	7.3	7.6	7.8	8.1	8.4	8.6	8.9	9.1	9.4
AA-No. 7	8.6	9.0	9.4	9.8	10.1	10.5	10.9		
True Blue	6.7	7.1	7.5	7.9	8.2	8.6	9.0	9.4	
Viht N350	6.9	7.2	7.4	7.7	7.9	8.2	8.4	8.7	8.9
Energy/ft.lbs.	270	299	330	362	396	431	468	506	546

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	AA-No. 5	8.9	1200	431
Hunting Load	Viht N340	7.8	1300	506

INDICATES MAXIMUM LOAD – USE CAUTION

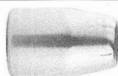
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

40 S&W continued#8430 .400" 150 gr. JHP
C.O.A.L. 1.125"

Powder/Velocity →	900	950	1000	1050	1100	1150	1200	1250
AA-No. 2	4.9	5.2	5.6	5.9	6.2			
Clays	3.6	4.0	4.4	4.7	5.1	5.5		
Viht N320	4.8	5.0	5.2	5.4	5.6	5.8		
WST	4.4	4.8	5.2	5.6	6.0	6.4		
231	4.8	5.1	5.3	5.6	5.8	6.1		
ZIP	4.7	5.0	5.3	5.6	5.8	6.1	6.4	
Viht N330	5.3	5.6	5.8	6.1	6.3	6.6		
AA-No. 5	7.0	7.3	7.6	7.8	8.1	8.4		
Unique	5.6	5.9	6.2	6.6	6.9	7.2	7.5	
Univ. Clays	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.7
SR7625	5.7	6.0	6.3	6.6	7.0	7.3	7.6	7.9
HS-6	6.9	7.2	7.4	7.7	8.0	8.2	8.5	
Silhouette		6.4	6.7	6.9	7.2	7.5	7.7	8.0
Viht N340	5.3	5.6	5.8	6.1	6.4	6.7	6.9	7.2
Herco	5.7	6.1	6.5	6.9	7.2	7.6	8.0	
WSF	5.6	5.9	6.2	6.5	6.9	7.2	7.5	7.8
SR4756	6.3	6.7	7.0	7.4	7.8	8.1	8.5	
Viht 3N37	6.5	6.8	7.1	7.5	7.8	8.1	8.4	
AA-No. 7	8.1	8.5	8.8	9.2	9.5	9.9		
True Blue	6.2	6.6	7.0	7.4	7.7	8.1	8.5	
Viht N350	6.0	6.3	6.6	6.9	7.1	7.4	7.7	8.0
Energy/ft.lbs.	269	300	333	367	403	440	479	520

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N320	5.6	1100	403
Hunting Load	Univ. Clays	6.4	1200	479

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

40 S&W continued#8445 .400" 165 gr. JHP
C.O.A.L. 1.125"

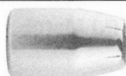
Powder+Velocity→	850	900	950	1000	1050	1100	1150
AA-No. 2	4.4	4.8	5.3	5.7			
Clays	3.4	3.9	4.3	4.8	5.2		
Viht N320	4.2	4.5	4.8	5.1	5.4		
WST	4.3	4.7	5.2	5.6	6.0		
231		4.6	5.0	5.3	5.7		
ZIP	4.5	4.8	5.1	5.3	5.6	5.9	
Viht N330	5.0	5.2	5.5	5.7	6.0	6.2	
AA-No. 5	6.6	6.9	7.2	7.5	7.8		
Unique	5.2	5.5	5.8	6.1	6.4	6.7	7.0
Univ. Clays	4.6	4.9	5.2	5.5	5.8	6.1	6.4
SR7625	5.4	5.7	6.0	6.4	6.7	7.0	7.3
HS-6	6.4	6.7	7.0	7.3	7.6	7.9	
Silhouette	5.9	6.2	6.5	6.8	7.0	7.3	7.6
Viht N340	5.3	5.6	5.8	6.1	6.3	6.6	6.8
Herco	5.6	5.9	6.3	6.6	7.0	7.3	
WSF	5.5	5.8	6.1	6.4	6.6	6.9	7.2
SR4756	6.2	6.5	6.8	7.1	7.4	7.7	
Viht 3N37	6.1	6.4	6.7	7.1	7.4	7.7	8.0
AA-No. 7	7.8	8.2	8.5	8.9	9.2	9.6	
True Blue	6.0	6.4	6.8	7.2	7.6	8.0	
Viht N350	5.7	6.0	6.3	6.6	6.9	7.2	7.5
Viht 3N38		7.4	7.6	7.8	8.0	8.2	8.4
Energy/ft.lbs.	264	296	330	366	404	443	484

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Clays	5.2	1050	404
Hunting Load	Univ. Clays	6.1	1100	443

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

40 S&W continued

#8460 .400" 180 gr JHP
C.O.A.L. 1.125"



Powder! / Velocity →	800	850	900	950	1000	1050	1100
AA-No. 2	4.1	4.6	5.0	5.5			
Clays	3.4	3.8	4.2	4.6	5.0		
Viht N320		4.1	4.5	4.8	5.2		
WST	3.9	4.4	4.8	5.3	5.7		
231	4.4	4.7	5.0	5.3	5.6		
ZIP		4.5	4.8	5.1	5.4	5.7	
Viht N330	4.4	4.7	5.0	5.3	5.6	5.9	
AA-No. 5	6.3	6.6	6.9	7.2	7.5		
Unique	4.6	4.9	5.3	5.6	6.0	6.3	
Univ. Clays		4.2	4.6	4.9	5.3	5.6	6.0
Power Pistol	5.1	5.5	5.8	6.2	6.5	6.9	
SR7625	4.8	5.2	5.5	5.9	6.2	6.6	
HS-6		6.2	6.6	6.9	7.3	7.6	
Silhouette		5.5	5.9	6.3	6.6	7.0	7.4
Viht N340		4.7	5.0	5.3	5.7	6.0	6.3
Herco		5.2	5.5	5.9	6.2	6.5	
WSF	5.0	5.3	5.6	6.0	6.3	6.6	
SR4756	5.5	5.8	6.2	6.5	6.9	7.2	
Viht 3N37		6.1	6.4	6.7	6.9	7.2	7.5
AA-No. 7		7.6	8.0	8.4	8.8	9.2	
True Blue	5.8	6.1	6.5	6.8	7.2	7.5	
Viht N350		5.4	5.7	6.0	6.4	6.7	7.0
Viht 3N38		7.0	7.2	7.5	7.7	8.0	8.2
Energy/ft.lbs.	255	288	323	360	399	440	483

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Clays	4.6	950	360
Hunting Load	Viht N320	5.2	1000	399

INDICATES MAXIMUM LOAD - USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

40 S&W continued

#8480 .400" 190 gr FPJ Match
C.O.A.L. 1.125"



Powder/Velocity→	750	800	850	900	950	1000	1050
AA-No. 2	4.1	4.5	4.9	5.3			
Clays	3.2	3.6	4.0	4.3	4.7		
Viht N320	4.2	4.4	4.6	4.8	5.0		
WST	3.8	4.2	4.6	5.0			
231	4.3	4.6	4.9	5.2	5.5		
ZIP	4.0	4.3	4.6	4.9	5.2	5.5	
Viht N330	4.3	4.6	4.9	5.2	5.5	5.8	
AA-No. 5	6.1	6.4	6.7	7.0	7.3		
Unique	4.7	5.0	5.3	5.6	5.9	6.2	
Univ. Clays		4.2	4.6	4.9	5.3	5.6	
Power Pistol	4.6	5.0	5.4	5.8	6.2	6.6	
SR7625	4.9	5.2	5.5	5.8	6.1	6.4	
HS-6	5.8	6.1	6.4	6.7	7.0	7.3	
Silhouette	5.3	5.6	5.9	6.2	6.5	6.8	7.1
Viht N340	4.5	4.8	5.1	5.4	5.7	6.0	
Herco	4.9	5.2	5.5	5.8	6.1	6.4	
WSF	4.8	5.1	5.4	5.7	5.9	6.2	6.5
SR4756	5.5	5.8	6.1	6.4	6.7	7.0	
Viht 3N37	5.7	6.0	6.3	6.6	6.9	7.2	
AA-No. 7			7.7	8.1	8.5	8.9	
True Blue		5.9	6.3	6.6	7.0	7.3	
Viht N350	5.2	5.5	5.8	6.1	6.4	6.7	7.0
Viht 3N38			6.9	7.2	7.5	7.8	8.1
Energy/ft.lbs.	237	270	304	341	380	421	465

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	WSF	5.9	950	380
Hunting Load	HS-6	7.3	1000	421

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.