This is a unique reloading/information manual. It contains currently available data regarding loading information for this individual cartridge. This data is compiled from the leading U.S. Bullet and gunpowder manufacturers.

This manual is not intended to replace the many comprehensive, in-depth reloading manuals available from a host of publishers, but instead provide you with a quick and easy-to-use reference source which will enable you to compare loads, types of powders, bullets and shot charges for components you may have on hand.

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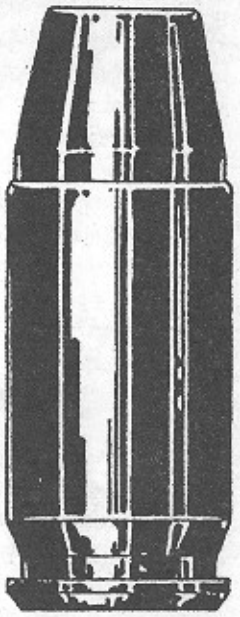
The Complete Reloading Manual for the .45 A.C.P.



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Reloading is an enjoyable and rewarding hobby that is easily conducted with safety. But, like many other human endeavors, carelessness or negligence can make reloading hazardous.

The essence of reloading safety is proper handling and storage of primers and powder. By observing the following rules, the chance of hazardous occurrence becomes extremely remote.

Store powder and primers beyond the reach of children and away from heat and open flames. Do not smoke when reloading.

Keep no more powder that needed in an open container. Immediately return unused powder to its original factory container.

Don't use any powder unless its identity is positively known. Scrap all mixed powders and those of uncertain or unknown identity.

Do not store primers in bulk. To do so is to create a bomb! Bulk primers will mass detonate. Do not use primers when their identity is lost. Safely dispose of unknown types of primers.

Courtesy of Speer Reloading Manual No. 11

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Follow loading recommendations exactly. Don't substitute components for those listed. Start loading with the minimum powder charges. Understand what you are doing and why it must be done in a specific way. Stay alert when reloading. Don't reload when distracted, disturbed or tired.

Courtesy of Nosler Bullets, Inc.

The Complete Reloading Manual for the .45 A.C.P.

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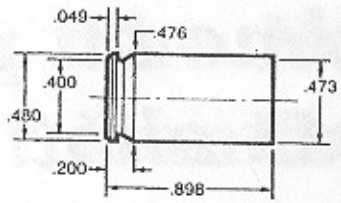


45 ACP

PISTOL: COLT GOV'T MODEL
BARREL: 5", 1 in 16" TWIST
CASE: HORNADY
PRIMER: FEDERAL 150

BULLET DIA.: .451"-.452"
MAXIMUM C.O.L. 1.245"
MAX. CASE LENGTH: .898"
CASE TRIM LENGTH: .893"

The 45 Automatic was adopted by the United States Ordnance Department in 1911, six years after its introduction by John M. Browning.

Because the 45 Auto is a powerful handgun cartridge, it requires practice to shoot well. However, it is probably the number one cartridge of pistol target shooters. Perhaps one of the reasons our military switched to the 9mm cartridge is its more manageable recoil. Control with the 45 Auto can be enhanced by shooting large numbers of plinking or target rounds at reduced velocities; the Hornady 185 grain Hollow Point and 5.3 grains of Bullseye make a good, acccurate combination.

Hornady has eight 45 caliber bullets for the 45 Auto reloader: the 185 grain HP/XTP, the 185 grain Target, the 200 grain L-SWC, the 200 grain FMJ-C/T, the 200 grain L-C/T, the 230 grain LRN, the 230 grain Round Nose Full Metal Jacket, and the 230 grain Flat Point Full Metal Jacket.

In our 1911 Colt, Bullseye and Unique performed best with the lighter bullets. For target work, we recommend loadings at 800 fps for best accuracy. For the heavier 230 grain bullets, HS-6 and Unique display the best accuracy/velocity combinations. The 230 grain Flat Point proved to be the most accurate. Little or no crimp should be used, as the 45 Auto headspaces on the mouth of the case.

The 45 Auto is a versatile cartridge that can be used for self-defense, target shooting, plinking, and even hunting small game at close range.

185 GRAIN BULLETS:

SECTIONAL DENSITY: .130
DIAMETER: .451"

#45100 HP/XTP
Ballistic Coefficient — .139
C.O.L. — 1.230"

#4513 SWC
Ballistic Coefficient — .068
C.O.L. — 1.194"

	VELOCITY					
POWDER	750 fps	800 fps	850 fps	900 fps	950 fps	1000 fps
Solo 1000	4.1 gr.	4.4 gr.	4.7 gr.	4.9 gr.		
Red Dot	4.0 gr.	4.5 gr.	4.8 gr.	5.1 gr.		
WIN WSL		4.8 gr.	5.1 gr.	5.4 gr.	5.7 gr.	
Bullseye	4.1 gr.	4.6 gr.	5.0 gr.	5.4 gr.		
AA #2	4.7 gr.	5.1 gr.	5.4 gr.	5.7 gr.		
Pearl Scot		5.1 gr.	5.4 gr.	5.7 gr.	6.0 gr.	
WIN 231		5.4 gr.	5.7 gr.	6.0 gr.	6.3 gr.	
Herco		6.0 gr.	6.3 gr.	6.6 gr.	6.9 gr.	
SR 4756	6.0 gr.	6.3 gr.	6.5 gr.	6.8 gr.	7.0 gr.	
AA #5		7.0 gr.	7.3 gr.	7.5 gr.	7.8 gr.	8.1 gr.
HS-6	7.8 gr.	8.2 gr.	8.5 gr.	8.9 gr.		
AA #7		9.4 gr.	9.9 gr.	10.3 gr.	10.7 gr.	11.2 gr.

Indicates maximum load - use with caution

200 GRAIN BULLETS:

SECTIONAL DENSITY: .140
DIAMETER: .451"

#4515 FMJ-C/T
Ballistic Coefficient — .115
C.O.L. — 1.245"

#45140 HP/XTP
Ballistic Coefficient — .151
C.O.L. — 1.240"

	VELOCITY				
POWDER	800 fps	850 fps	900 fps	950 fps	1000 fps
Solo 1000	4.4 gr.	4.7 gr.			
Red Dot	4.5 gr.	4.8 gr.	5.1 gr.		
WIN WST	4.6 gr.	5.0 gr.			
WIN WSL	4.7 gr.	5.1 gr.	5.5 gr.		
Pearl Scot	5.4 gr.	5.6 gr.	5.8 gr.		
WIN 231	5.3 gr.	5.6 gr.	5.9 gr.	6.2 gr.	
Unique	5.6 gr.	5.9 gr.	6.2 gr.		
AA #5	6.9 gr.	7.2 gr.	7.5 gr.	7.8 gr.	8.1 gr.
HS-6	7.3 gr.	7.7 gr.	8.2 gr.	8.6 gr.	
AA #7	9.5 gr.	9.9 gr.	10.3 gr.	10.7 gr.	11.1 gr.

Indicates maximum load - use with caution

230 GRAIN BULLETS:

SECTIONAL DENSITY: .162
DIAMETER: .451"

#4517 FMJ-RN
Ballistic Coefficient — .184
C.O.L. — 1.250"

#4518 FMJ-FP
Ballistic Coefficient — .168
C.O.L. — 1.200"

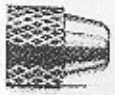
	VELOCITY				
POWDER	700 fps	750 fps	800 fps	850 fps	900 fps
Solo 1000	3.9 gr.	4.1 gr.	4.4 gr.		
WIN WSL	4.2 gr.	4.5 gr.	4.8 gr.	5.1 gr.	
Pearl Scot	4.7 gr.	4.9 gr.	5.1 gr.		
AA #2	4.5 gr.	4.8 gr.	5.1 gr.	5.4 gr.	
Unique		5.3 gr.	5.6 gr.	5.9 gr.	6.2 gr.
Herco		5.5 gr.	5.8 gr.	6.1 gr.	
AA #5	6.0 gr.	6.2 gr.	6.5 gr.	6.8 gr.	7.0 gr.
Solo 1500	6.8 gr.	7.0 gr.	7.3 gr.	7.6 gr.	
HS-6		7.0 gr.	7.4 gr.	7.8 gr.	8.3 gr.
AA #7		8.6 gr.	9.1 gr.	9.6 gr.	10.0 gr.

Indicates maximum load - use with caution

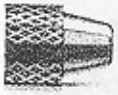
200 GRAIN BULLETS:

SECTIONAL DENSITY: .140
DIAMETER: .452"

#4526 SWC
Ballistic Coefficient — .070
C.O.L. — 1.245"



#4528 L-C/T
Ballistic Coefficient — .081
C.O.L. — 1.245"



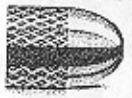
	VELOCITY				
POWDER	800 fps	850 fps	900 fps	950 fps	1000 fps
Solo 1000	4.4 gr.	4.7 gr.			
Red Dot	4.5 gr.	4.8 gr.	5.1 gr.		
WIN WST	4.6 gr.	5.0 gr.			
WIN WSL	4.7 gr.	5.1 gr.	5.5 gr.		
Pear Scot	5.4 gr.	5.6 gr.	5.8 gr.		
WIN 231	5.3 gr.	5.6 gr.	5.9 gr.	6.2 gr.	
Unique	5.6 gr.	5.9 gr.	6.2 gr.		
AA #5	6.9 gr.	7.2 gr.	7.5 gr.	7.8 gr.	8.1 gr.
HS-6	7.3 gr.	7.7 gr.	8.2 gr.	8.6 gr.	
AA #7	9.5 gr.	9.9 gr.	10.3 gr.	10.7 gr.	11.1 gr.

Indicates maximum load - use with caution

230 GRAIN BULLETS:

SECTIONAL DENSITY: .162
DIAMETER: .452"

#4530 LRN
Ballistic Coefficient — .207
C.O.L. — 1.250"



	VELOCITY				
POWDER	700 fps	750 fps	800 fps	850 fps	900 fps
Solo 1000	3.9 gr.	4.1 gr.	4.4 gr.		
WIN WSL	4.2 gr.	4.5 gr.	4.8 gr.	5.1 gr.	
Pearl Scot	4.7 gr.	4.9 gr.	5.1 gr.		
AA #2	4.5 gr.	4.8 gr.	5.1 gr.	5.4 gr.	
Unique		5.3 gr.	5.6 gr.	5.9 gr.	6.2 gr.
Herco		5.5 gr.	5.8 gr.	6.1 gr.	
AA #5	6.0 gr.	6.2 gr.	6.5 gr.	6.8 gr.	7.0 gr.
Solo 1500	6.8 gr.	7.0 gr.	7.3 gr.	7.6 gr.	
HS-6		7.0 gr.	7.4 gr.	7.8 gr.	8.3 gr.
AA #7		8.6 gr.	9.1 gr.	9.6 gr.	10.0 gr.

Indicates maximum load - use with caution

45 Auto (ACP)

By Jeff Cooper

I hardly feel qualified to comment upon the design and development of this cartridge, since it was fully operational before I was born. However, as I understand it, the cartridge resulted from the desire of the United States War Department to produce a self-loading handgun with stopping power equal to that of the previously standard .45 caliber revolver. It seems that the shortcomings of the minor-caliber handgun cartridges (.38 and 9mm) had become obvious during the Philippine insurrection.

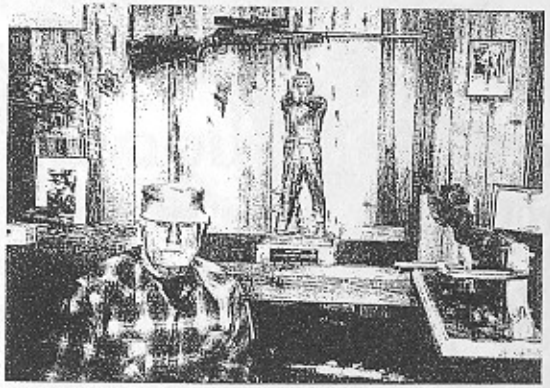
The .45 Automatic Colt Pistol cartridge used in the 1911 pistol was the result. It is much smaller in overall length than the big-caliber revolver cartridges it superseded since it was designed for smokeless powder, which is normally denser than black powder. It was originally designed for a round-nosed jacketed bullet weighing about a half an ounce, and it turned out to be pretty much what the war department had in mind.

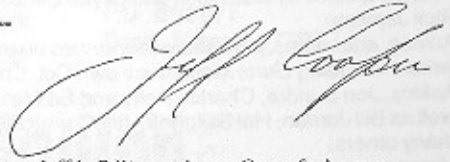
To this day it is still the best compromise between stopping power and controllability.

Its principal drawback is the tendency of its round-nosed jacketed bullet to glance when striking a hard surface at an angle. For this reason, I prefer a jacketed, truncated cone configuration, which is not so prone to ricochet, and in addition, provides slightly more penetration.

The .45 ACP is somewhat deficient in both penetration and range, but penetration in a defensive pistol is hardly an unmixed blessing in crowded situations, and range is largely irrelevant in a defensive pistol which is unlikely to be used in greater than rock-throwing distances.

The .45 ACP remains the best balanced choice for a defensive sidearm. More powerful cartridges are certainly available, but they present problems in controllability. If there is anything wrong with the .45 ACP cartridge it's that it is "old," just like the .30-06. No matter how we try, there are some things we simply cannot improve upon.

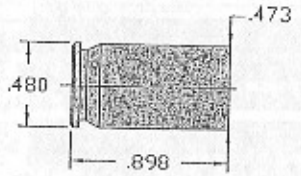




Jeff is Editor-at-large, Guns & Ammo magazine; Founder, The American Pistol Institute and Founding President, The International Practical Shooting Confederation.

45 Auto (ACP)

Test Information



RIFLE:	Barrel:	Douglas
	Length:	5"
	Twist:	1-16"
CASE:		Winchester
PRIMER:		Fed. 150

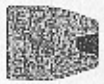
Comments from the lab

The .45 ACP is a great choice for competitive shooters and plinkers alike. AA-No. 2, W 231, and AA-No. 5 are the powders that we use most commonly in the lab.

This cartridge headspaces off of the case mouth. When loading for this cartridge, bell the case mouth just enough to reliably guide the bullet into position, and secure the bullet with a taper crimp. Using this seating and crimping procedure will help ensure proper headspacing.

The S.A.A.M.I. overall lengths for this cartridge are 1.190" minimum and 1.275" maximum. Use caution when using military brass, and make certain to remove the primer crimp before use.

Nosler® 185 Grain



185 gr.
Hollow Point

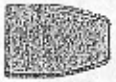
*Most Accurate Load Tested
**Compressed Load

Ballistic Coefficient .142
Sectional Density .130

Powder	Charge Weight in Grains	Muzzle Velocity (fps)	Load Density
WSL	*Max.* 6.0	912 fps	31%
	5.5	857 fps	29%
	5.0*	802 fps	26%
BULLSEYE	*Max.* 5.4	840 fps	28%
	4.9	780 fps	26%
	4.4*	720 fps	23%
AA-No. 2	*Max.* 6.3	888 fps	33%
	5.8	833 fps	30%
	5.3*	778 fps	28%
GREEN DOT	*Max.* 6.4*	908 fps	33%
	5.9	843 fps	31%
	5.4	778 fps	28%
W 231	*Max.* 6.1*	812 fps	31%
	5.6	747 fps	28%
	5.1	682 fps	26%
HP 38	*Max.* 6.2	850 fps	32%
	5.7	790 fps	30%
	5.2*	730 fps	27%
SR 7625	*Max.* 6.9*	888 fps	36%
	6.4	823 fps	33%
	5.9	758 fps	31%
AA-No. 5 *(Most Accurate Powder Tested)*	*Max.* 9.6	924 fps	51%
	9.1	864 fps	47%
	8.6*	804 fps	45%

Use Maximum Loads with Caution

Nosler® 230 Grain



230 gr. Full
Metal Jacket

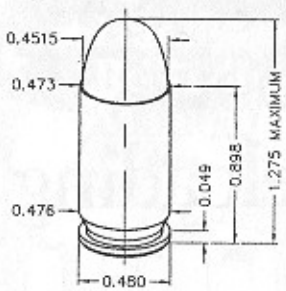
*Most Accurate Load Tested
**Compressed Load

Ballistic Coefficient .183
Sectional Density .162

Powder	Charge Weight in Grains	Muzzle Velocity (fps)	Load Density
700 X	*Max.* 5.0	800 fps	28%
	4.5	735 fps	25%
	4.0*	670 fps	23%
WST	*Max.* 4.8*	769 fps	27%
	4.3	723 fps	24%
	3.8	678 fps	21%
WSL *(Most Accurate Powder Tested)*	*Max.* 5.0	768 fps	28%
	4.5	708 fps	25%
	4.0*	648 fps	23%
BULLSEYE	*Max.* 5.1*	790 fps	29%
	4.6	730 fps	26%
	4.1	670 fps	23%
HP 38	*Max.* 5.5*	760 fps	31%
	5.0	700 fps	28%
	4.5	640 fps	25%
W 231	*Max.* 5.8*	790 fps	33%
	5.3	730 fps	30%
	4.8	670 fps	27%
UNIQUE	*Max.* 6.5	808 fps	37%
	6.0	753 fps	34%
	5.5*	698 fps	31%
AA-No. 5	*Max.* 8.5*	840 fps	48%
	8.0	790 fps	45%
	7.5	740 fps	42%

Use Maximum Loads with Caution

45 Auto (ACP)



Test Specifications
Firearm Used: Glock 21
Bbl. Length/Twist: 4.6"/1x15.75"

Test Components
Cases: Starline
Trim-to Length: .893"
Primers: CCI-300

Remarks:

Developed by John Browning in 1905, the .45 ACP was adopted by the U.S. military in 1911. Earning an enviable reputation for absolute reliability and dependable stopping power, the .45 remained our standard service side arm until 1985. Replaced by the 9mm Luger, the decision to drop the .45 ACP was based on the need for NATO standardization rather than any perceived shortcomings of the bigger round. Some indication of the .45's effectiveness is the fact that several elite units (who often have considerable latitude over what types of weapons they carry) have opted to retain the .45 ACP. At this writing, the .45 continues to soldier on with Navy SEALs, Army Special Forces and Delta team, among others. Its use in law enforcement circles has also increased dramatically in the past few years.

When it was originally designed, John Browning had envisioned a 200 grain bullet at approximately 900 fps, and early production .45 ammunition was loaded to these specifications. Army Ordnance wanted a heavier bullet, specifically, a variant of the 234 grain FMJ round nose designed by Frankford Arsenal for the .45 Colt Revolver Ball Cartridge of 1909. The resulting hybrid was the .45 ACP "Hardball" load, consisting of a 230 grain FMJ at 810 fps. Handloaders, of course, have a wide variety of bullet weights available to them, suitable for any conceivable use.

The .45 ACP is a true rimless design, headspacing on the case mouth. With its long tenure as our official pistol cartridge, the .45 ACP has received a tremendous amount of developmental work, making it one of our most thoroughly refined and accurate cartridges. During daily quality control testing in the Sierra range, 50 yard ten shot groups of less than 1.5 inches are routine. For accuracy work, fast burning powders such as Bullseye or W-W 231 are top choices, while medium burning powders, such as Unique, Blue Dot and Accurate Arms #5 tend to give better velocities for the more potent loadings. Since it does headspace on the case mouth, we recommend nothing more than a slight taper crimp. Based on reloading die and component sales, the .45's future appears bright. It remains the darling of competitive bullseye shooters, and still has a loyal following in the IPSC/USPSA community. Despite its retirement from active military duty, the .45 ACP will undoubtedly be with us for decades to come.

45 Auto (ACP), continued

.4515 185 gr. JHP
Cartridge OAL: 1.212"

.4515 185 gr. FPJ
Cartridge OAL: 1.155"

Powder ↓ / Velocity →	750	800	850	900	950	1000
Bullseye	4.2	4.6	4.9	5.2	5.6	
AA-N-100	4.7	5.1	5.6	6.0	6.4	
231	5.1	5.4	5.7	6.0	6.3	
AA-No.2		5.0	5.4	5.8	6.1	6.5
Viht N320	5.0	5.3	5.5	5.8	6.1	
700X	4.5	4.7	5.0	5.5	6.0	
Green Dot	4.9	5.6	6.0	6.5		
PB		5.9	6.2	6.6		
WAP	7.6	7.9	8.2	8.5	8.7	9.0
Unique	5.7	6.1	6.5	6.9	7.3	7.7
AA-No.5		8.3	8.8	9.3	9.8	10.3
Viht N340	6.1	6.4	6.7	7.0	7.3	
Herco	6.8	7.1	7.4	7.7	8.0	8.3
AA-No.7	9.7	10.2	10.6	11.1	11.5	
Energy/ft.lbs.	*231*	*263*	*297*	*333*	*371*	*411*

Accuracy Load: 231/6.0 grs. ; 900 fps/333 ft.lbs.
Hunting Load: Unique/7.7 grs. ; 1000 fps/411 ft.lbs.

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

45 Auto (ACP), continued

.4515 200 gr. FPJ
Cartridge OAL: 1.155"

Powder ↓ / Velocity →	700	750	800	850	900	950
Bullseye	4.5	5.0	5.4	5.8		
AA-N-100	5.3	5.4	5.5	5.7	5.8	
231	5.0	5.4	5.8	6.1	6.4	
AA-No.2	4.1	4.5	4.9			
Red Dot	4.7	5.1	5.4	5.7		
Viht N320	4.8	5.0	5.3	5.7	6.0	
Green Dot	4.8	5.2	5.6	5.9	6.2	
WAP	7.0	7.3	7.6	8.0	8.3	8.6
Unique	5.2	5.6	6.1	6.6	7.0	7.4
AA-No.5	8.0	8.3	8.6	8.9	9.2	9.5
Herco	6.5	6.9	7.2	7.5	7.8	
AA-No.7	9.6	10.0	10.4	10.8	11.2	
SR4756	7.1	7.5	7.8	8.1		
Blue Dot	8.3	8.9	9.5	10.1	10.7	
Energy/ft.lbs.	*218*	*250*	*284*	*321*	*360*	*401*

Accuracy Load: 231/6.1 grs. ; 850 fps/321 ft.lbs.
Hunting Load: AA-No.5/9.5 grs. ; 950 fps/401 ft.lbs.

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

45 Auto (ACP), continued

.4515 230 gr. FMJ
Cartridge OAL: 1.270"

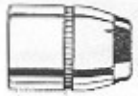
Powder ↓ / Velocity →	700	750	800	850	900
Bullseye	4.0	4.3	4.6	4.9	5.2
AA-N-100	4.9	5.2	5.4	5.7	
231		4.9	5.3	5.7	
AA-No.2		5.3	5.5	5.8	
Red Dot	4.4	4.8	5.2	5.5	
Viht N320	4.7	5.0	5.3	5.5	
700X	3.9	4.3	4.7	5.0	
Green Dot	4.9	5.3	5.7	6.1	
PB	4.8	5.1	5.4	5.7	
WAP	6.5	6.8	7.2	7.5	
Unique	5.1	5.6	6.0	6.4	6.8
SR7625	5.2	5.5	5.8	6.0	6.2
AA-No.5	7.6	8.1	8.6	9.0	
Herco	5.7	6.2	6.6	7.0	7.4
Viht N340	5.6	5.9	6.3	6.6	6.8
AA-No.7	8.9	9.4	9.8	10.3	10.7
SR4756	5.8	6.3	6.7	7.1	7.5
Energy/ft.lbs.	*250*	*287*	*327*	*369*	*414*

Accuracy Load: Bullseye/4.9 grs. ; 850 fps/369 ft.lbs.
Hunting Load: Unique/6.8 grs. ; 900 fps/414 ft.lbs.

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

45 Auto (ACP), continued

.4515 240 gr. JHC
Cartridge OAL: 1.185"

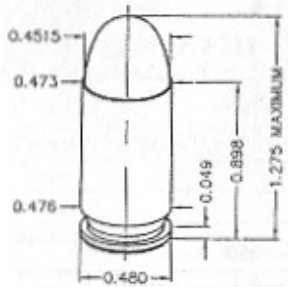


Powder ↓ / Velocity →	700	750	800	850	900
Bullseye	4.2	4.6	5.0	5.4	
231	4.8	5.1	5.4		
Red Dot	4.3	4.7	5.1	5.5	
Green Dot	4.8	5.2	5.6	6.0	
Unique	5.3	5.7	6.1	6.4	6.7
AA-No.5	6.6	7.0	7.4	7.8	
Herco	5.7	6.1	6.5	6.9	7.3
Blue Dot			8.7	9.1	9.5
Energy/ft.lbs.	*261*	*300*	*341*	*385*	*432*

Accuracy Load: Unique/6.1 grs. ; 800 fps/341 ft.lbs.
Hunting Load: Herco/7.3 grs. ; 900 fps/432 ft.lbs.

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

45 Auto (ACP)



Test Specifications
Firearm Used: Marlin Model 45
Bbl. Length/Twist: 16 1/2"/1x16"

Test Components
Cases: Federal
Trim-to Length: .893"
Primers: Federal 150

Remarks:

The .45 ACP cartridge was adopted by the U.S. military in 1911 after five years of lengthy testing. Adopted in the Colt Model 1911 pistol, John Moses Browning designed both gun and cartridge to conform to a set of requirements laid down by the Army Ordnance board. As Browning originally designed the .45 ACP, it was loaded with a 200 grain bullet at approximately 900 feet per second. Ordnance wanted to use a slightly heavier 230 grain bullet which had been designed by Frankford Arsenal. The loading that was finally adopted used the heavier bullet at approximately 830 feet per second. Other than the fact that the new .45 ACP used a jacketed bullet, the ballistics of this cartridge are remarkably similar to the older .45 S&W loading used in the 1873 Single Action Army revolver.

During its life as a U.S. military cartridge, the .45 ACP served in several different types of handguns, carbines and submachineguns. More recently, several sporting carbines chambered for the .45 ACP have appeared on the civilian market as well. Our test rifle, the Marlin Model 45 Camp Carbine, is a typical example. Even with their longer barrels, .45 carbines show little velocity gain over a handgun's standard five inch barrel. Still, these light weight carbines can serve quite well for small game and plinking, and may fill a unique niche as a home defense weapon.

The .45 ACP case is a true rimless design which headspaces on the ledge created by the case mouth of a loaded cartridge. For this reason, heavy or excessive crimps must be avoided when loading for the .45 ACP. A slight taper crimp, sufficient to remove any belling left over from the bullet seating operation, should give the optimum results for both accuracy and consistent ignition. Whenever pistol cartridges are loaded for rifles, the topic of primers is sure to come up. Despite the fact that the ammunition is to be used in a rifle, large pistol primers are the correct choice for the .45 ACP. The use of rifle primers can result in misfires, and will change pressures dramatically. The relatively fast burning powders used in the .45 ACP are not difficult to ignite, making the use of magnum or rifle primers unnecessary.

45 Auto (ACP), continued

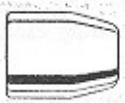
.4515 185 gr. JHP
Cartridge OAL: 1.212"

.4515 185 gr. FPJ Match
Cartridge OAL: 1.155"

Powder ↓ / Velocity →	1100	1150	1200	1250
Unique	7.3	7.6	7.9	8.3
AA-No.5	9.6	9.9	10.2	10.5
SR4756	8.3	8.7	9.0	9.3
Blue Dot	10.7	11.1	11.5	11.7
Energy/ft.lbs.	*497*	*543*	*591*	*642*

Accuracy Load: Unique/8.3 grs.; 1250 fps/642 ft.lbs.
Hunting Load: Unique/8.3 grs.; 1250 fps/642 ft.lbs.

.4515 200 gr. FPJ Match
Cartridge OAL: 1.155"



Powder ↓ / Velocity →	950	1000	1050	1100
Unique	6.4	6.7	7.1	7.4
AA-No.5	8.0	8.4	8.8	9.1
SR4756	7.3	7.5	7.7	7.9
Blue Dot	9.1	9.6	10.1	10.5
Energy/ft.lbs.	*401*	*444*	*490*	*537*

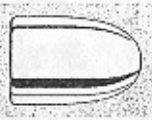
Accuracy Load: Unique/7.1 grs.; 1050 fps/490 ft.lbs.
Hunting Load: AA-No.5/9.1 grs.; 1100 fps/537 ft.lbs.

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

(RIFLE DATA)

45 Auto (ACP), continued

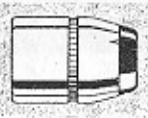
.4515 230 gr. FMJ
Cartridge OAL: 1.270"



Powder ↓ / Velocity →	700	750	800
Unique	6.2	6.5	6.8
AA-No.5	7.7	8.0	8.2
SR4756	6.7	7.0	7.3
Blue Dot	8.5	8.9	9.2
Energy/ft.lbs.	*250*	*287*	*327*

Accuracy Load: AA-No.5/8.2 grs.; 800 fps/327 ft.lbs.
Hunting Load: AA-No.5/8.2 grs.; 800 fps/327 ft.lbs.

.4515 240 gr. JHC
Cartridge OAL: 1.185"



Powder ↓ / Velocity →	700	750	800
Unique	6.3	6.6	6.8
AA-No.5	7.9	8.2	8.4
SR4756	6.9	7.2	7.4
Blue Dot	8.7	9.0	9.3
Energy/ft.lbs.	*261*	*300*	*341*

Accuracy Load: Blue Dot/9.3 grs.; 800 fps/341 ft.lbs.
Hunting Load: Blue Dot/9.3 grs.; 800 fps/341 ft.lbs.

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

(RIFLE DATA)

.45 A.C.P. - Speer Bullets

Also known as the 45 ACP (Automatic Colt Pistol), this is among of the most popular handgun cartridges ever and one of the most widely reloaded. Developed in 1905 by John Browning for a prototype service pistol, the original version propelled a 200 grain bullet at 900 feet/sec. The original pistol design was rejected by Army Ordnance, who wanted addition safeties plus a cartridge that fired a heavier bullet. Browning redesigned the pistol to become the revered M1911 45 Auto and chose a 230 grain bullet at 850 feet/sec. The rest, as they say, is history.

For years, the only popular handguns in this caliber were Colt's military and commercial versions of the semi-auto service pistol plus some large-frame revolvers developed by Colt and Smith & Wesson. In spite of many new cartridges for semi-auto pistols the 45 Auto has remained strong and today many companies chamber pistols for it. Within the last fifteen years, Smith & Wesson, Glock, Ruger and SIG have added the 45 Auto to their lineup. Some people have predicted that the 9mm Luger cartridge will ultimately "kill off" the 45 but, as with many predictions, this one seems far off the mark.

Although designed for battle, both the pistols and the cartridge have proven popular for target shooting. Many bullseye and USPSA/IPSC competitors still use the 45 Auto routinely. In an accurized pistol, the 45 Auto cartridge is capable of outstanding accuracy.

Mastering the 45 Auto pistol has never been easy. The handloader has an advantage because he can assemble light target or practice loads to minimize recoil. The Speer 200 grain lead semi-wadcutter and the 185 grain Totally Metal Jacketed (TMJ) bullets are excellent choices for target practice and bullseye competition.

Action shooting requires that ammo meet a minimum power factor. To "make major" (weight x velocity = 175,000) competitors use the 200 grain TMJ semi-wadcutter or the 200 grain JHP bullet. Either one travelling in excess of 875 feet/sec will satisfy this requirement.

For light game hunting or defense, the 185, 200 and 230 grain Gold Dot hollow points are designed for optimum penetration and expansion. The 225 and 260 grain JHP revolver bullets can be selected when maximum penetration is needed. However, be sure to check that the latter two bullets feed properly in your pistol. Both have exposed lead tips, and may cause jams in pistols with rough feed ramps.

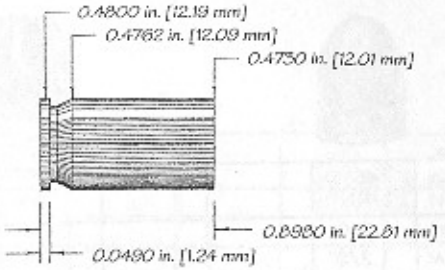
We recommend taper crimping all 45 Auto loads shown. Observe the loading lengths we show for best feeding. These loads may also be used in semi-automatic carbines chambered for the 45 Auto cartridge. However, don't expect significant velocity increases from the longer barrels. The modest pressures of the 45 Auto combined with quick-burning propellants usually mean that increases of more than 100 feet/sec are rare.

Military surplus 45 brass is quite common. Be sure to remove the primer crimp (if present) before reloading surplus cases.

The .451" 300 grain Uni-Cor soft point is not recommended for the 45 Auto. It cannot be seated to industry C.O.L. without bulging the case walls and there is little room for propellant. Even if no bulging occurred, velocities would be so low that bullets might lodge in the bore.

The industry pressure limit for the 45 Auto are established at 21,000 psi; these loads are within that limit.

.45 A.C.P. - Speer Bullets



Max. Case Length: 0.898"
Trim-to Length: 0.888"
Max. Cart. Length: 1.275"
RCBS Shellholder: #3
Barrel Length: 4.40"
Twist: 1-15.75"

Test Firearm: SIG P-220
Case: Speer
Primers: CCI 300

NOTE: These are loads to velocities of approximately 800 ft/sec for target shooting. They are not necessarily at maximum pressure.

.452" Dia.
200 Grain
Sect. Density .139

	45 SWC					
Ballistic Coefficient	0.078					
C.O.L. Tested At	1.185"					
Speer Part No.	4677					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
	4.5	831		4.6	807		5.8	800
Red Dot	4.1	749	Bullseye	4.2	744	SR 4756	5.3	728
	6.0	826		5.4	804		5.4	790
Herco	5.5	750	H. Universal	4.9	710	Unique	4.9	716
	5.2	811		5.0	803		4.2	790
SR 7625	4.7	726	231	4.6	739	700-X	3.8	715

Notes: Bold print denotes maximum loads. They should be used with caution.

.452" Dia.
230 Grain
Sect. Density .161

	45 L-RN					
Ballistic Coefficient	0.160					
C.O.L. Tested At	1.270"					
Speer Part No.	4690					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
	5.8	849		5.3	842		5.5	837
Unique	5.3	764	Green Dot	4.8	772	H. Universal	5.2	748
	6.5	848		5.1	841		5.6	831
SR 4756	6.0	783	Red Dot	4.7	765	231	5.1	760
	6.4	845		4.7	838			
Herco	5.9	779	700-X	4.3	767			

NOTE: These are loads to velocities of approximately 800 ft/sec for target shooting. They are not necessarily at maximum pressure.

.451" Dia.
185 Grain
Sect. Density .130

	45 TMJ Match					
Ballistic Coefficient	0.090					
C.O.L. Tested At	1.275"					
Speer Part No.	4473					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
	5.5	807		5.8	796		5.6	793
231	5.0	717	Unique	5.0	671	SR 7625	5.1	705
	4.9	803		4.9	795		5.4	792
Red Dot	4.5	758	Bullseye	4.5	770	HP-38	4.9	730
	4.7	798		8.0	793		5.5	770
700-X	4.3	731	AA #5	7.2	691	PB	5.0	719

Notes: Bold print denotes maximum loads. They should be used with caution.

.451" Dia.
185 Grain
Sect. Density .130

	45 GD-HP					
Ballistic Coefficient	0.109					
C.O.L. Tested At	1.200"					
Speer Part No.	4470					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
	9.5	1047		6.4	986		6.2	941
Power Pistol	8.2	939	Bullseye	5.7	874	American Select	5.5	834
	10.6	1034		7.8	981		9.9	926
AA #5	9.5	956	SR 7625	7.0	810	HS-6	8.9	832
	8.2	1015		6.7	970		9.0	915
Unique	7.3	904	AA #2 Impr.	6.0	850	Viht. 3N37	8.1	804
	6.5	997		7.4	954		7.5	910
700-X	5.8	889	231	6.6	837	Viht. N340	6.7	796
	7.7	991		12.0	947		7.7	885
H. Universal	6.9	851	AA #7	10.8	825	WSF	6.9	814

.451" Dia.
200 Grain
Sect. Density .140

	45 TMJ Match	45 JHP	45 GD-HP			
Ballistic Coefficient	0.129	0.138	0.138			
C.O.L. Tested At	1.275"	1.155"	1.200"			
Speer Part No.	4475	4477	4478			

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
	10.5	1010		7.0	953		8.2	910
Blue Dot	9.4	877	Viht. N340	6.3	818	Viht. 3N37	7.3	769
	7.3	984		8.3	952		9.0	900
Unique	6.5	860	Power Pistol	7.0	823	AA #5	8.1	798
	7.0	967		5.8	934		11.0	891
H. Universal	6.3	829	Bullseye	5.2	845	AA #7	9.9	791
	9.5	956		7.2	934		6.3	857
HS-6	8.5	823	WSF	6.4	824	231	5.6	769

Notes: Bold print denotes maximum loads. They should be used with caution.

.451" Dia. 225 Grain
Sect. Density .158

	45 Mag-JHP					
Ballistic Coefficient	0.169					
C.O.L. Tested At	1.200"					
Speer Part No.	4479					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
Blue Dot	**10.0**	**935**	AA #5	**9.0**	**887**	H. Universal	**6.5**	**845**
	9.0	814		8.1	773		5.8	725
Power Pistol	**8.2**	**920**	AA #7	**10.7**	**877**	HS-6	**9.0**	**841**
	7.3	814		9.7	736		8.0	740
Viht. N350	**8.0**	**907**	WSF	**7.0**	**860**	Viht. 3N37	**8.0**	**840**
	7.2	797		6.3	774		7.2	733
Unique	**7.2**	**906**	Bullseye	**5.6**	**856**	231	**6.0**	**787**
	6.4	835		5.0	782		5.4	730

SAFETY NOTICE: Do not use these loads when loading the 230 grain Speer Gold Dot bullet. Loads for the 230 grain Gold Dot are on the following page.

.451" Dia. 230 Grain
Sect. Density .162

	45 TMJ					
Ballistic Coefficient	0.195					
C.O.L. Tested At	1.260"					
Speer Part No.	4480					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
Power Pistol	**8.1**	**916**	231	**6.2**	**858**	Red Dot	**5.3**	**839**
	7.0	806		5.6	789		4.8	770
Viht. N340	**6.3**	**872**	H. Universal	**6.3**	**841**	Unique	**6.5**	**832**
	5.5	760		5.5	730		5.5	728
HS-6	**8.5**	**863**	Bullseye	**5.7**	**840**	700-X	**5.1**	**815**
	7.8	773		5.2	779		4.6	710

Notes: Bold print denotes maximum loads. They should be used with caution.

.451" Dia. 230 Grain
Sect. Density .162

	45 GD-HP					
Ballistic Coefficient	0.143					
C.O.L. Tested At	1.200"					
Speer Part No.	4483					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
Blue Dot	**9.0**	**893**	700-X	**5.0**	**818**	SR 7625	**6.0**	**796**
	8.1	796		4.5	748		5.4	664
Power Pistol	**7.4**	**881**	Bullseye	**5.0**	**812**	AA #7	**9.6**	**794**
	6.3	759		4.5	742		8.6	690
HS-7	**9.5**	**849**	H. Universal	**6.0**	**806**	AA #5	**7.8**	**792**
	8.5	724		5.4	704		7.0	687
Viht. N340	**6.1**	**836**	Unique	**6.0**	**806**	231	**5.6**	**765**
	5.4	709		5.4	721		5.0	683
Viht. N350	**7.1**	**826**	HS-6	**8.0**	**799**			
	6.3	730		7.2	702			

.451" Dia. 260 Grain
Sect. Density .183

	45 Mag-JHP					
Ballistic Coefficient	0.183					
C.O.L. Tested At	1.200"					
Spear Part No.	4481					

Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.	Powder	Wt. Grs.	Mzl.Vel.
Herco	**6.9**	**847**	Green Dot	**5.8**	**819**	700-X	**4.9**	**794**
	6.3	775		5.3	751		4.4	722
231	**5.9**	**824**	SR 7625	**5.6**	**802**	Bullseye	**5.2**	**788**
	5.4	756		5.1	733		4.7	717
Unique	**6.3**	**821**	Red Dot	**5.0**	**801**			
	5.8	752		4.6	748			

Notes: Bold print denotes maximum loads. They should be used with caution.

Reloading Data Introduction:

The data listed in this section have been tested by our technicians and found to be safe when loaded with our test components and fired (under our laboratory controlled conditions) in our testing equipment. Since Lyman Products Corporation has no control over the manufacture of the various components listed, the actual loading, choice or condition of the firearms and components used, no responsibility for use of this data is implied or assumed.

Components:

The reader should bear in mind that the components listed are not of Lyman manufacture. Therefore, it is impossible that production changes affecting ballistic performance can occur at any time without our knowledge. If there is ever a question as to the correctness of the component specified, write to its manufacturer.

Starting Load:

It is essential that the reader begin with the suggested weight of powder listed in this bracket and work up slowly (following load development precautions) to his best performing load. The novice should use only the "starting load" for a period of time until he builds confidence and experience. Never decrease this charge as an increase in pressure could be encountered.

Maximum Load:

All loads which are listed as maximum were tested and classified as maximum by our technicians in accordance with our laboratory standards. **Under no circumstances should these loads be exceeded,** nor should they be quickly accepted by the reader as a safe working maximum for his particular rifle or pistol.

Many reloaders misinterpret the meaning of the "maximum load." They wrongly assume that if a high pressure load proved safe in a test laboratory then it is equally safe under any and all conditions. This is not true. The reader must start with the "starting load" and work up his load carefully. Working with his particular firearm and component combination, he may encounter signs of excess pressure before he reaches the maximum charge listed.

The technician classifies a load as maximum after carefully considering many aspects of its ballistic performance. **The maximum average pressure of the load is not the only criteria.** Often a load having an acceptable maximum average pressure will be rejected (or reduced) due to its erratic performance. Accuracy must also be considered, particularly when dealing with cast lead alloy bullets. In all instances, the maximum listing represents what our technicians consider to be the maximum working combination for the bullet, powder and caliber listed. These loads do not exceed SAAMI standards.

Accuracy Loads:

When a load is noted as such in the data tables proper, it means that the given combination of components produced the most uniform internal ballistics of any load tested utilizing that particular bullet design.

Unless noted in "Comments," the accuracy load was not fired at targets. The load, however, does have a high potential--assuming all external factors are optimun--for producing outstanding accuracy since uniform internal ballistics are critical to accuracy on target. You cannot have one without the other.

Test Parameters:

Velocities shown were taken at fifteen feet and not corrected to the muzzle.

Each test string began with a clean dry barrel and consisted of ten shots.

Loads exhibiting erratic internal ballistics were not persued.

We had no problem with leading in any of our testing.

Bullets:

Bullet numbers are listed in the introductory specifications for each cartridge and in the headline above the appropriate data block--along with an illustration of that particular bullet.

Please note these bullets are artists' rendering. Comparing your bullet against the drawing could reveal minor differences. Furthermore, minor changes are sometimes made to bullets. These drawings, which appear throughout the data sections, are for general reference only and are not intended to be a precise representation.

Bullet alloy is noted as is the exact weight of each tested bullet.

Not all cast bullets within a given caliber are intended to perform equally. We have used them in the most appropriate chamberings.

Powders:

We have limited our testing to those powders which are manufactured in the United States and which are readily available to the consumer. The following brands are listed: Dupont (now IMR), Winchester, Hercules, Alcan, Hodgdon and Gearhart-Owen.

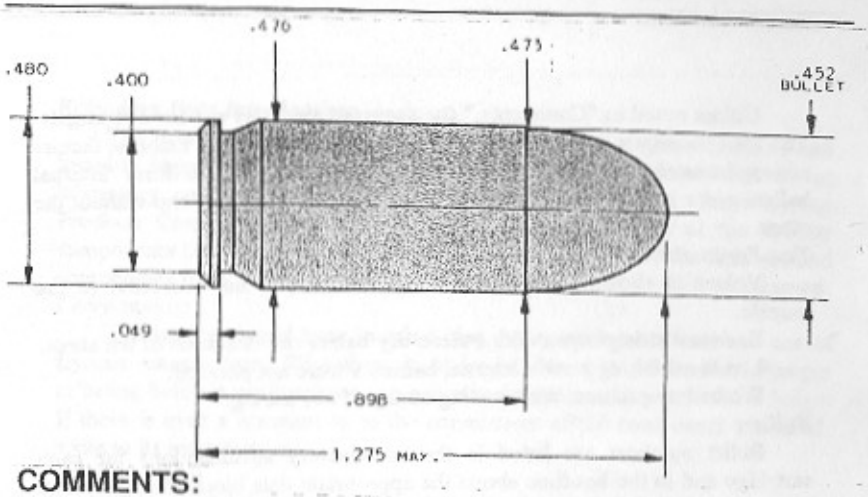
Compressed Loads:

All compressed loads are indicated with a +. Depending upon the volume of the specific cartridge case used by the reader, he may, or may not, have difficulty starting bullets in such loads. If the bullet will not start, reduce the load sufficiently so that 1/10" of space remains in the case neck. Start the bullet into the case and use whatever additional pressure is required to fully seat the bullet. Failure to comply could result in a bulged case.

Filler Wads:

Dacron filler wads in the form of 1/4-inch thick batting were used in conjunction with cast bullet loads, where indicated. This material can be purchased in most yard-goods stores. It should be cut into squares, which seal the case.

When developing a load, if a wad is desired, its should be used from the beginning as the charge weight is increased. It should never be added as an afterthought, once a maximum load has been established, since its presence could result in a pressure increase of 2,000 CUP or more.



COMMENTS:

This cartridge headspaces on the case mouth. Adhere to the listed maximum and trim-to case lengths exactly. Do not roll crimp as doing so will alter headspacing. A taper crimp is suggested.

While groove diameters will vary from 0.450" to 0.453", chamber dimensions suggest that bullets should not exceed 0.451" for safety.

Some semi-auto pistols will not function with any but round nose bullets unless they are expertly altered by a qualified gunsmith. Bullet #452374 is a good choice for most unaltered pistols.

Hercules Bullseye, Winchester 231, and Hercules Unique are the unquestionable accuracy champs with most bullets in this cartridge.

SHOOTER'S LOG

TEST COMPONENTS:

Cases ..... Federal; Remington (cast bullets only)
Trim-to Length ..... .895"
Primers ..... CCI 300; Remington 2½ (cast bullets only)
Primer Size ..... Large Pistol
Lyman Shell Holder ..... No. 2
Cast Bullets Used ..... (Sized to .450" dia.)
#452389, 185 gr.
#452488, 195 gr.
#452460, 200 gr.
#452630, 200 gr.
#452374, 225 gr.

TEST SPECIFICATIONS: (Velocity & Pressure)

Firearm Used ..... Universal Receiver
Barrel Length ..... 5"
Twist ..... 1-16"
Groove Dia. ..... .450"

#452389
185 gr., (#2 Alloy) 1.080" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
700X	4.0	760	8,800	5.5	1010	17,500
PB	4.6	740	8,300	5.5	920	13,500
SR-7625	5.5	825	9,800	6.5	1030	17,400
SR-4756	5.3	663	8,900	7.9	988	17,600
Bullseye	3.5	660	6,000	5.0	890	12,300
Red Dot	4.0	735	8,100	5.5	970	14,800
Green Dot	4.5	745	8,300	6.0	965	14,800
Unique	5.0	684	6,900	7.5	995	15,500
BlueDot	7.0	636	7,600	9.2+	844	13,200
231	3.9	662	7,900	6.0	958	17,500
HS-6	5.6	613	7,500	9.1	1034	17,100

Note: Loads shown in shaded panels are maximum.
+ Designates a compressed powder charge.

.45 A.C.P. - LYMAN BULLETS

#452488
195 gr., (#2 Alloy) 1.120" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
700X	4.0	735	9,600	5.2	950	16,700
PB	4.6	765	10,100	5.5	910	14,800
SR-7625	5.0	780	10,300	6.2	945	16,200
SR-4756	5.3	639	8,600	7.8	977	17,500
Bullseye	3.5	680	7,700	5.0	895	13,900
Red Dot	4.0	730	9,000	5.5	950	16,200
Green Dot	4.5	740	9,400	6.0	955	15,800
Unique	5.0	695	7,900	7.5	1010	16,800
Blue Dot	7.0	646	8,200	10.7	1033	17,900
231	3.9	642	8,500	5.7	962	16,900
HS-6	6.1	652	8,300	9.0	1027	17,900

Note: Loads shown in shaded panels are maximum.

.45 A.C.P. - LYMAN BULLETS

#452460
200 gr., (#2 Alloy) 1.161" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
700X	4.0	745	10,300	5.2	940	17,300
PB	4.6	725	9,000	5.5	880	14,200
SR-7625	5.0	735	9,000	6.2	945	17,000
**SR-4756	5.3	704	9,100	7.3	993	17,000
Bullseye	3.5	645	6,900	5.0	860	13,400
Red Dot	4.0	695	8,400	5.3	895	14,700
Green Dot	4.5	715	9,000	5.8	895	14,400
Unique	5.0	670	7,700	7.5	980	16,600
**Blue Dot	7.1	701	8,900	10.6	1012	17,200
**231	4.0	694	9,200	6.0	987	18,000
**HS-6	6.0	690	8,600	8.7	1016	17,700
**AA5	6.4	686	10,000	8.0	970	17,000

Note: Loads shown in shaded panels are maximum.
** Designates use of Federal cases.

.45 A.C.P. - LYMAN BULLETS

#452630**
200 gr., (#2 Alloy) 1.235" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
Bullseye	4.9	890	12,900	6.2	918	17,600
231	5.2	739	12,300	6.5	923	17,400
WST	4.8	825	14,700	5.6	933	17,900
Red Dot	4.4	713	12,400	5.5	894	17,600
700X	4.4	676	10,000	5.5	884	17,500
Green Dot	5.1	727	11,900	6.4	894	16,900
PB	5.5	728	11,800	6.7	900	16,900
Unique	6.0	717	11,400	7.5	913	17,400
SR-7625	5.4	653	8,600	6.7	900	16,800
HS-6	7.6	649	9,200	9.5	937	17,600
SR-4756	6.4	660	9,300	8.0	933	16,700
Blue Dot	8.5	679	9,800	10.6	972	17,300
AA5	7.0	697	10,500	8.5	927	16,800
Clays	3.9	701	10,200	4.4	839	15,500

Note: Loads shown in shaded panels are maximum.
** Designates use of Federal cases.

.45 A.C.P. - LYMAN BULLETS

#452374
225 gr., (#2 Alloy) 1.272" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
700X	4.0	695	10,500	5.0	855	17,300
PB	4.8	705	10,300	5.5	810	14,200
SR-7625	5.0	675	9,000	6.0	850	15,200
**SR-4756	5.5	662	8,800	77.5	955	18,000
Bullseye	4.0	680	10,100	5.0	815	14,400
Red Dot	4.3	705	11,000	5.3	835	15,300
Green Dot	4.8	725	11,400	5.8	845	15,100
Unique	5.5	695	10,100	7.3	905	16,500
**Blue Dot	7.5	660	8,600	10.7	964	17,300
**231	4.0	661	9,200	5.8	902	17,500
**HS-6	6.2	664	8,400	8.6	921	16,600
**AA5	6.6	625	9,200	8.2	874	17,300
**WSL	4.9	803	14,500	5.5	881	17,800
Clays	3.6	683	10,600	4.3	818	17,100

Note: Loads shown in shaded panels are maximum.
** Designates use of Federal cases.

(RIFLE DATA)

COMMENTS:

This cartridge headspaces on the case mouth. Adhere to the listed maximum and trim-to case lengths exactly.

Do not go below the starting load as in so doing a bullet may become lodged in the barrel. Should the gun be fired in this condition a serious accident could result. For the same reason be doubly certain that every case has the correct powder charge.

TEST COMPONENTS:

Cases ..... Federal
Trim-to Length ..... .895"
Primers ..... CCI 300
Primer Size ..... Large Pistol
Lyman Shell Holder ..... No. 2
Cast Bullets Used ..... (Sized to .451" dia.)
*Gas Check Bullets #452460, 200 gr.
#452374, 225 gr.
*#452484, 250 gr.

TEST SPECIFICATIONS: (Velocity Only)

Firearm Used ..... Marlin Model 45 Carbine
Barrel Length ..... 16½"
Twist ..... 1-16"
Groove Dia. ..... .451"

(RIFLE DATA)

#452460
200 gr., (#2 Alloy) 1.161" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
Red Dot	4.0	913	—	5.3	1133	—
231	4.0	819	—	6.0	1138	—
700X	4.0	896	—	5.2	1111	—
AA5	6.4	939	—	8.0	1223	—
Unique	5.0	955	—	7.5	1314	—
HS-6	6.0	761	—	8.7	1124	—
SR-4756	5.3	880	—	7.3	1189	—
Blue Dot	7.1	767	—	10.6	1275	—

#452374
225 gr., (#2 Alloy) 1.272" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
Red Dot	4.3	923	—	5.3	1061	—
231	5.0	942	—	5.8	1055	—
700X	4.0	847	—	5.0	1019	—
AA5	6.6	931	—	8.2	1207	—
Unique	5.5	916	—	7.3	1196	—
HS-6	6.2	770	—	8.6	1087	—
SR-4756	5.5	803	—	7.5	1188	—
Blue Dot	7.5	869	—	10.7	1262	—

Note: Loads shown in shaded panels are maximum.

(RIFLE DATA)

#452484
250 gr., (#2 Alloy) 1.272" OAL

POWDER	Sugg. Starting Grains	Velocity fps	Pressure C.U.P.	Max. Load Grains	Velocity fps	Pressure C.U.P.
700X	4.0	830	—	4.5	903	—
Unique	5.0	811	—	6.0	1021	—
HS-7	8.0	869	—	9.3	1027	—
Blue Dot	7.0	764	—	8.5	963	—

Note: Loads shown in shaded panels are maximum.

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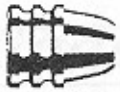
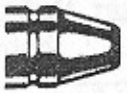
Gun: Colt Gov't Model
Barrel: 5"
Twist: 1-16
Cases: Speer
Primers: CCI 300

45-185-BB 

Wt. 185 GR.
Dia. .452"
Lube: Pistol

POWDER	WT. IN GRAINS	MUZ VEL	POWDER	WT. IN GRAINS	MUZ VEL
HS5	6.8	804	**231**	4.6	745
	5.8	676		4.1	673
Unique	6.0	829	**700X**	4.3	825
	5.0	688		3.8	726
Red Dot	4.6	807	**Bullseye**	4.3	772
	4.1	728		3.8	685

45-200-SWC

45-201-SWC 

Wt. 200 GR.
Wt. 201 GR.
Dia. .452"
Lube: Pistol

POWDER	WT. IN GRAINS	MUZ VEL	POWDER	WT. IN GRAINS	MUZ VEL
Unique	5.6	806	**Bullseye**	4.7	820
	5.0	726		4.2	732
HP38	5.0	892	**Red Dot**	4.5	832
	4.5	808		4.0	755
231	5.0	811	**700X**	4.3	861
	4.5	719		3.8	788

Wt. 225 GR.
Dia. .452"
Lube: Pistol

45-230-RN

POWDER	WT. IN GRAINS	MUZ VEL	POWDER	WT. IN GRAINS	MUZ VEL
HS5	7.5	832	**Red Dot**	5.1	861
	7.0	785		4.5	747
Unique	5.7	815	**Bullseye**	5.0	835
	5.0	724		4.5	753
231	5.6	847	**700X**	4.6	818
	5.1	783		4.1	721

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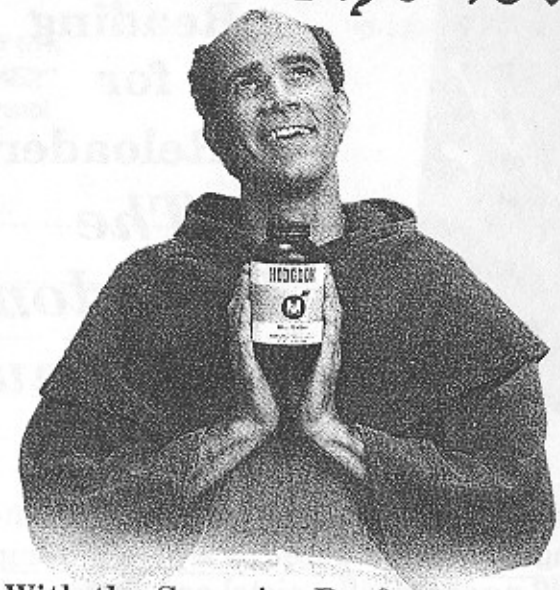

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165 gr. Speer Grand Slam
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45 ACP

Adopted in 1911, the 45 ACP served the U.S. military until the change to the 9mm Luger Beretta Model 92-F in 1985. During the 74 year reign, the 45 ACP gained a well-deserved reputation for self defense and accuracy. Of course, the Colt 1911 Government Model pistol is the most widely copied handgun design ever conceived, both in the U.S. and around the world. Looking at all the new models of pistols being offered in 45 ACP, it is evident this cartridge will be around for a long time to come.

As this is written, there would appear to be a gradual transition from the small caliber, hypervelocity cartridges back to the slower big bores. Possibly a case of "what goes around, comes around." Regardless, the 45 ACP represents a standard few other cartridges can approach.

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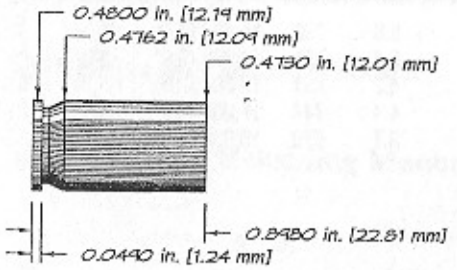


Case: WINCHESTER
Barrel: 5"
Twist: 1:16"
[illegible]: .893"
[illegible]: FEDERAL 150

HODGDON

POWDER	STARTING LOADS GRS.	VEL.	PRESSURE	MAXIMUM LOADS GRS.	VEL.	PRESSURE
BULLET: 155 GR. LSWC CAST			**DIA. .451"**			**C.O.L. 1.230"**
HS-6	9.0	988	12,000 CUP	10.0	1126	16,300 CUP
UNIVERSAL	6.9	1036	13,100 CUP	7.6	1195	18,000 CUP
HP-38	6.0	998	13,400 CUP	6.7	1112	17,100 CUP
TITEGROUP	5.7	1039	14,300 CUP	6.2	1132	17,000 CUP
CLAYS	4.9	1040	16,100 CUP	5.2	1082	17,700 CUP
BULLET: 185 GR. HDY JSWC			**DIA. .451"**			**C.O.L. 1.195"**
HS-6	8.6	888	12,200 CUP	9.5	996	16,800 CUP
UNIVERSAL	6.8	892	13,100 CUP	7.2	993	17,000 CUP
HP-38	5.0	762	12,000 CUP	5.9	906	15,800 CUP
TITEGROUP	5.0	892	14,600 CUP	5.5	956	17,000 CUP
CLAYS	4.5	855	14,500 CUP	4.9	981	17,400 CUP
BULLET: 200 GR. CAST LSWC			**DIA. .451"**			**C.O.L. 1.225"**
HS-6	8.2	860	14,400 CUP	8.4	907	16,300 CUP
UNIVERSAL	6.0	865	12,900 CUP	6.7	981	16,600 CUP
HP-38	4.4	771	11,000 CUP	5.6	914	16,900 CUP
TITEGROUP	4.8	877	13,400 CUP	5.4	957	16,800 CUP
CLAYS	3.6	759	11,800 CUP	4.3	888	17,000 CUP
BULLET: 200 GR. SPR JHP			**DIA. .451"**			**C.O.L. 1.155"**
HS-6	8.2	868	14,000 CUP	9.0	948	16,400 CUP
UNIVERSAL	6.0	829	13,800 CUP	6.7	930	17,200 CUP
HP-38	5.2	794	12,700 CUP	5.9	906	16,700 CUP
TITEGROUP	4.7	812	13,700 CUP	5.2	884	16,900 CUP
CLAYS	3.9	714	15,200 CUP	4.3	785	17,700 CUP
BULLET: 230 GR. HDY FMJ FP			**DIA. .451"**			**C.O.L. 1.200"**
HS-6	8.0	790	14,400 CUP	8.2	825	15,400 CUP
UNIVERSAL	5.4	751	13,300 CUP	6.0	853	16,900 CUP
HP-38	4.2	751	13,800 CUP	5.3	832	16,800 CUP
TITEGROUP	4.4	744	15,000 CUP	4.8	818	16,700 CUP
CLAYS	3.7	670	15,900 CUP	4.0	732	17,000 CUP

.45 ACP + P

Barrel Length: Test 5"
Bullet Diameter: .451-.452
Primer Size: Large Pistol
Maximum Case Length: .898
Trim to Length: .895

HODGDON POWDER

STARTING LOADS BULLET	POWDER	GRS.	VEL.	CUP	MAXIMUM LOADS POWDER	GRS.	VEL.	CUP
185 GR.					HS6	10.0	1162	19,900
					HP38	6.6	1143	19,500
200 GR.					HS6	9.7	1056	19,500
					HP38	6.4	1049	19,300
225 GR.					HS6	9.4	1040	19,900
					HP38	6.1	975	19,300
230 GR.					HS6	9.3	981	19,700
					HP38	6.0	970	19,100
260 GR.					HS7	10.0	891	19,700
					HS6	8.9	880	19,400
					HP38	5.6	847	19,900

NO REDUCTION IN CHARGES RECOMMENDED WITH THESE LOADS. THESE ARE HIGH VELOCITY LOADS ONLY.

NEVER EXCEED MAXIMUM LOADS.

(Source: Hodgdon Reloading Manual # 26)

Introduction

There has been a re-evaluation of the criteria for selecting data for inclusion. This means there will be some disagreement with previous data. The data in this guide takes precedence over all prior publications. ***Previous editions of this loading guide should be discarded.***

For instance, we left out load combinations that were 'position sensitive'. This is what occurs when the load density is low. Velocity with the powder at the bullet is different from the velocity with the powder at the primer. More of these were noted with the ball propellants than with the extruded propellants.

In light of the growth of IPSC shooting, 38 Super Auto loads that make the 'major' classification (bullet weight x velocity = 175,000) are identified. While we have tested many combinations of components in 9mm Luger to attempt to meet 'major' requirements, we have not been able to find a load that makes the power floor for 'major' without exceeding SAAMI pressure recommendations. And while we were able to find loads for 38 Super Auto, they were not with lighter bullets. Turn to the data section for specific details.

In the charge tables, the 'START' charge listed for each load is our suggested beginning point with the components listed. There is the possibility that changing the named components could cause the maximum charge to be excessive, thus a reduction of the charge would be necessary. Some batches of military brass may require reducing the maximum charge by 8-12% to keep chamber pressure in line.

If you find signs of excessive pressure while using loads in this loading guide, STOP TESTING and verify all data and loading procedures. If they seem to be in order, check with our lab facility before proceeding.

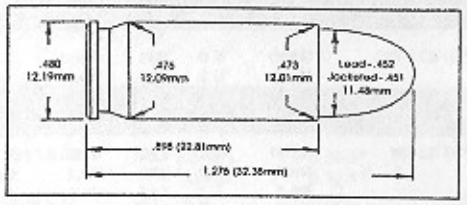
Charge weights were obtained using industry standard pressure barrels. When time permitted, off-the-shelf weapons were used to obtain velocity figures. The guns used are noted.

In reloading, the prime concern should always be SAFETY. **Always** wear eye protection when reloading, even when working with the 'non-volatile' components. **Always** keep the reloading area clean. **Never** have more than one propellant within easy reach at any given time. Avoid having similar looking bullets of different weights on the bench at the same time. Read the safety notes before loading.

We have not found magnum primers to offer any particular advantage with our handgun powders. But, there are some rifle cartridges where they were used.

Handgun loads using the slower powders (No.7, No.9, and 1680) require heavy crimp and high bullet pull to insure consistency - particularly with cast bullet loads or in extremely cold weather. Be sure your dies are capable of this, otherwise the consistency of the load will be affected.

In the text, bullet weights for cast bullets - identified by (L) are actual weights, not the nominal weights.



Developed by John Browning, the .45 ACP was adopted as the official military handgun cartridge by the U.S. Ordnance Department along with the Colt-Browning automatic pistol in 1911. The .45 ACP has been the official military cartridge of several governments.

The .45 ACP was originally designed with a 200 grain bullet for the Colt Model 1905 semiautomatic pistol. It was standardized with a 230 grain bullet for the Colt Government Model 1911 pistol.

Since then it has been proven in combat worldwide. Along with the 1911A1 pistol, the .45 ACP has been developed into a first class match cartridge with accuracy fully equal to that of any other cartridge.

The .45 ACP cartridge and the Colt automatic began to be replaced in 1985 as the official military handgun cartridge by the Beretta 9mm in support of NATO standardization. However, the .45 ACP remains a favorite for competitive shooting.

The SAAMI Maximum Average Pressure for the .45 ACP is 21,000 P.S.I. The SAAMI Maximum Average Pressure for the .45 +P is 23,000 P.S.I.

.45 ACP

Gun	1911A1	Max Length	0.898"
Barrel Length	5"	Trim Length	0.888"
Primer	REM 2½	OAL Max	1.275"
Case	REM	OAL Min	1.150" (Match)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
155 (L) SWC	N100	5.9	1010	N100	6.5	1148	17,600	1.240"	Behn
	No.2	6.8	1060	No.2	7.5	1204	20,600		
	No.5	9.0	1046	No.5	10.0	1189	18,500		
	No.7	12.0	1076	No.7	13.3	1223	20,200		
170 (L) SWC	N100	5.4	943	N100	6.0	1072	19,400	1.130"	
	No.2	5.9	950	No.2	6.5	1079	19,400		
	No.5	8.1	945	No.5	9.0	1074	17,800		
	No.7	11.3	1031	No.7	12.5	1172	20,800		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
200 (L) SWC	N100	5.0	838	N100	5.5	952	18,100	1.190"	HDY
	No.2	5.2	826	No.2	5.8	939	17,400		
	No.5	7.8	902	No.5	8.7	1025	19,400		
	No.7	10.4	899	No.7	11.5	1022	18,700		
230 (L) RN	N100	4.8	790	N100	5.3	898	18,800	1.230"	HDY
	No.2	5.0	766	No.2	5.6	870	17,200		
	No.5	7.7	852	No.5	8.5	968	19,800		
	No.7	9.9	862	No.7	11.0	979	19,400		
250 (L) SWC *	N100	4.3	709	N100	4.8	806	18,600	1.260"	Clements
	No.2	4.7	711	No.2	5.2	808	19,400		
	No.5	6.4	722	No.5	7.1	820	18,300		
	No.7	8.6	732	No.7	9.5	832	17,100		
	No.9	10.8	766	No.9	12.0	870	20,600		
HDY 185 TGT	N100	5.2	876	N100	5.8	995	19,600	1.135"	
	No.2	5.9	876	No.2	6.5	996	18,700		
	No.5	8.6	952	No.5	9.5	1082	20,500		
	No.7	10.8	938	No.7	12.0	1066	20,600		
HDY 185 XTP	N100	5.9	919	N100	6.6	1044	19,800	1.210"	
	No.2	6.8	948	No.2	7.5	1077	20,400		
	No.5	9.2	970	No.5	10.2	1102	19,900		
	No.7	11.7	962	No.7	13.0	1093	18,000		
HDY 200 XTP	N100	5.4	827	N100	6.0	940	17,500	1.225"	
	No.2	5.9	847	No.2	6.5	963	19,700		
	No.5	8.7	924	No.5	9.7	1050	20,600		
	No.7	10.8	912	No.7	12.0	1036	19,200		
SRA 230 FMJ	N100	5.0	779	N100	5.6	885	19,100	1.250"	
	No.2	5.5	769	No.2	6.1	874	19,200		
	No.5	7.8	816	No.5	8.7	927	19,300		
	No.7	9.9	811	No.7	11.0	922	17,800		
SRA 240 JHP *	N100	4.9	732	N100	5.4	832	19,600	1.215"	
	No.2	5.1	714	No.2	5.7	811	19,600		
	No.5	7.5	769	No.5	8.3	874	20,300		
	No.7	9.5	793	No.7	10.5	901	20,100		
	No.9	11.3	774	No.9	12.5	879	18,200		
NOS 250 JHP *	N100	4.9	705	N100	5.4	801	20,500	1.230"	
	No.2	5.1	697	No.2	5.7	792	20,000		
	No.5	7.2	752	No.5	8.0	854	19,100		
	No.7	9.5	790	No.7	10.5	898	20,900		
	No.9	11.3	780	No.9	12.5	886	20,800		

* Velocities taken in S&W 25-2, 6½" barrel.

SHOOTER'S LOG

(+P LOADS)

.45 ACP (+P)

Gun	1911A1	Max Length	0.898"
Barrel Length	5"	Trim Length	0.888"
Primer	REM 2½	OAL Max	1.275"
Case	REM	OAL Min	1.150" (Match)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
HDY 185 XTP	N100	6.2	923	N100	6.9	1049	21,500	1.210"	
	No.2	7.2	1016	No.2	8.0	1155	23,000		
	No.5	9.7	1049	No.5	10.8	1192	22,400		
	No.7	12.2	1039	No.7	13.5	1181	21,700		Compressed
HDY 200 XTP	N100	5.9	880	N100	6.5	1000	23,000	1.225"	
	No.2	6.3	900	No.2	7.0	1023	23,000		
	No.5	9.0	951	No.5	10.0	1081	22,600		
	No.7	11.5	979	No.7	12.8	1112	23,000		

SHOOTER'S LOG

.45 ACP WADCUTTER

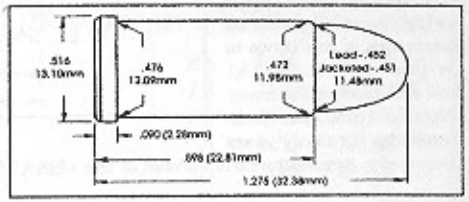
Gun	1911A1	Max Length	0.898"
Barrel Length	5"	Trim Length	0.888"
Primer	REM 2½	OAL Max	1.275"
Case	REM	OAL Min	1.150" (Match)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
HDY 185 TGT	N100	3.6	638	N100	4.0	725	12,000	1.135"	
	No.2	4.1	629	No.2	4.5	715	11,900		
	No.5	6.8	726	No.5	7.5	825	14,200		
200 (L) SWC	N100	3.2	612	N100	3.6	696	11,400	1.190"	HDY
	No.2	3.6	616	No.2	4.0	700	11,500		
	No.5	6.3	720	No.5	7.0	818	13,100		

SHOOTER'S LOG

(.45 AUTO RIM LOADS)

.45 AUTO-RIM



During WWI, both Colt and S&W made revolvers chambered for the .45 ACP cartridge. These revolvers required the use of a half-moon clip to support and eject the rimless .45 ACP brass.

After the war, thousands of these revolvers were sold to the public. In 1920 the Peters Cartridge Company introduced a rimmed version of the .45 ACP which eliminated the need for using the pesky clips in these revolvers. The .45 AR was also loaded with a lead bullet to reduce wear on the shallow rifling used in these revolvers.

The .45 AR, while nearly identical in performance to the .45 ACP, is better for handloading use in revolvers because it headspaces on the case rim allowing the use of almost any type of bullet and crimp.

The SAAMI Maximum Average Pressure for the .45 Auto-Rim is 15,000 C.U.P.

.45 AUTO-RIM

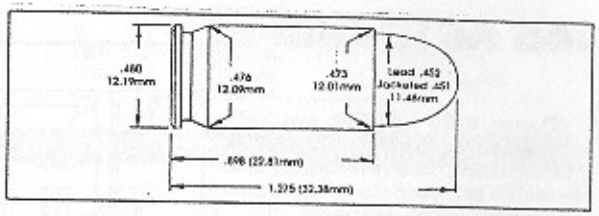
Gun	S&W 25-2	Max Length	0.898"
Barrel Length	6½"	Trim Length	0.876"
Primer	CCI 300	OAL Max	1.275"
Case	REM	OAL Min	1.225"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
200 (L) SWC *	N100	5.0	849	N100	5.5	985	13,900	1.175"	H&G -130
	No.2	5.6	863	No.2	6.2	981	14,600		
	No.5	7.7	848	No.5	8.6	964	15,000		
235 (L) RN *	N100	4.8	765	N100	5.3	869	15,000	1.265"	RCBS
	No.2	5.2	769	No.2	5.8	874	14,700		
	No.5	7.2	730	No.5	8.0	830	13,900		
255 (L) SWC	N100	4.2	699	N100	4.7	794	14,400	1.250"	LY452424
	No.2	4.7	710	No.2	5.2	807	14,800		
	No.5	6.2	733	No.5	6.9	833	15,000		
	No.7	6.6	744	No.7	9.5	846	13,600		
	No.9	10.8	769	No.9	12.0	874	14,400		

* 0.454" bullet diameter

.45 A.C.P. - ACCURATE POWDERS

(RIFLE LOADS)



The .45 ACP tends to evoke a "love/hate" reaction from its users. Since its fans far out-number its detractors, it continues to be produced in 1911A1 look-alikes as well as many other firearms. Auto-Ordinance has for many years produced a semi-automatic version of the M28A1 Thompson sub-machinegun.

In 1986 Marlin introduced their Model 45 carbine. This small handy carbine utilizes a 7-shot Model 1911A1 handgun magazine and is intended for informal plinking and possibly home defense.

The SAAMI Maximum Average Pressure for the .45 ACP is 21,000 P.S.I.

.45 ACP

Gun	MARLIN	Max Length	0.898"
Barrel Length	16½"	Trim Length	0.888"
Primer	REM 2½	OAL Max	1.275"
Case	REM	OAL Min	1.190"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
HDY 185 XTP	N100	5.9	1025	N100	6.6	1165	19,800	1.210"	
	No.2	6.8	1096	No.2	7.5	1245	20,400		
	No.5	9.2	1125	No.5	10.2	1278	19,900		
	No.7	11.7	1134	No.7	13.0	1289	18,000		
HDY 200 XTP	N100	5.4	914	N100	6.0	1039	17,500	1.225"	
	No.2	5.9	943	No.2	6.5	1072	19,700		
	No.5	8.7	1052	No.5	9.7	1195	20,600		
	No.7	10.8	1043	No.7	12.0	1185	19,200		
SRA 230 FMJ	N100	5.0	822	N100	5.6	934	19,100	1.250"	
	No.2	5.5	821	No.2	6.1	933	19,200		
	No.5	7.8	920	No.5	8.7	1045	19,300		
	No.7	9.9	920	No.7	11.0	1045	17,800		

SHOOTER'S LOG

.45 A.C.P. - ALLIANT POWDERS

ALLIANT

BARREL: 5" PRIMER: FEDERAL 150

POWDER	STARTING LOADS GRS.	VEL.	PRESSURE	MAXIMUM LOADS GRS.	VEL.	PRESSURE
BULLET: 155 GR. CAST LEAD			**DIA. .451"**			**C.O.L. 1.270"**
HERCO				8.5	1185	19,100 PSI
UNIQUE				7.8	1190	19,200 PSI
GREEN DOT				6.6	1165	19,300 PSI
RED DOT				5.8	1155	18,800 PSI
BULLSEYE				6.9	1175	19,400 PSI
BULLET: 180 GR. LWC			**DIA. .451"**			**C.O.L. 1.190"**
BLUE DOT				9.0	920	13,600 PSI
HERCO				6.7	950	15,800 PSI
UNIQUE				6.0	875	13,400 PSI
GREEN DOT				5.3	910	14,500 PSI
RED DOT				4.8	900	14,100 PSI
BULLSEYE				5.4	985	15,800 PSI
BULLET: 185 GR. JHP			**DIA. .451"**			**C.O.L. 1.275"**
HERCO				8.2	990	18,500 PSI
POWER PISTOL				8.6	1025	18,800 PSI
UNIQUE				8.2	1030	18,900 PSI
GREEN DOT				6.8	990	19,300 PSI
RED DOT				5.9	940	19,500 PSI
BULLSEYE				6.7	995	19,400 PSI
BULLET: 200 GR. JHP			**DIA. .451"**			**C.O.L. 1.175"**
BLUE DOT				10.6	1000	19,500 PSI
HERCO				7.7	955	19,300 PSI
POWER PISTOL				7.4	965	19,900 PSI
UNIQUE				7.1	975	19,500 PSI
GREEN DOT				5.9	915	18,900 PSI
RED DOT				5.2	890	19,200 PSI
BULLSEYE				6.0	960	19,400 PSI
BULLET: 200 GR. LSW (TGT)			**DIA. .451"**			**C.O.L. 1.190"**
UNIQUE				5.1	810	9,600 PSI
GREEN DOT				4.3	805	9,900 PSI
RED DOT				4.0	805	9,400 PSI
BULLSEYE				4.0	790	9,800 PSI

.45 A.C.P. - ALLIANT POWDERS

ALLIANT CONTINUED

POWDER	STARTING LOADS GRS.	VEL.	PRESSURE	MAXIMUM LOADS GRS.	VEL.	PRESSURE
BULLET: 230 GR. FMC		**DIA. .451"**				**C.O.L. 1.190"**
BLUE DOT				8.5	900	16,200 PSI
HERCO				6.2	890	16,200 PSI
POWER PISTOL				7.2	895	20,000 PSI
UNIQUE				6.0	895	16,000 PSI
GREEN DOT				5.4	920	15,800 PSI
RED DOT				5.0	910	16,200 PSI
BULLSEYE				5.0	905	16,200 PSI
BULLET: 230 GR. LEAD		**DIA. .451"**				**C.O.L. 1.190"**
HERCO				5.2	815	13,600 PSI
UNIQUE				5.0	790	11,800 PSI
GREEN DOT				4.3	805	13,200 PSI
RED DOT				4.0	810	12,800 PSI
BULLSEYE				4.0	810	13,900 PSI
BULLET: 240 GR. JHP		**DIA. .451"**				**C.O.L. 1.210"**
BLUE DOT				8.3	865	19,300 PSI
HERCO				6.5	820	19,200 PSI
UNIQUE				5.9	820	19,200 PSI
GREEN DOT				5.0	790	19,300 PSI
RED DOT				4.5	770	19,200 PSI
BULLSEYE				5.0	810	18,900 PSI

NEVER EXCEED MAXIMUM LOADS.

.45 A.C.P. - IMR POWDERS

IMR

CASE: REMINGTON		BARREL: 5"		PRIMER: REMINGTON 2 1/2		
BULLET: 185 GR. REM HP		**DIA. .451"**				**C.O.L. 1.210"**
"HI-SKOR" 800-X				8.6	975	18,000 CUP
SR 4756				8.7	920	17,900 CUP
SR 7625				6.9	890	18,000 CUP
PB				6.1	855	17,900 CUP
"HI-SKOR" 700-X				5.3	845	17,500 CUP
BULLET: 200 GR. HDY LSWC		**DIA. .452"**				**C.O.L. 1.170"**
"HI-SKOR" 800-X	6.4	775	12,700 CUP	7.9	950	18,000 CUP
SR 4756	7.0	765	12,000 CUP	8.2	930	17,900 CUP
SR 7625	5.6	770	12,600 CUP	6.5	900	18,000 CUP
PB	5.1	770	11,900 CUP	5.9	885	17,900 CUP
"HI-SKOR" 700-X	4.4	775	12,000 CUP	5.5	930	17,700 CUP

NEVER EXCEED MAXIMUM LOADS.

IMR CONTINUED

POWDER	STARTING LOADS GRS.	VEL.	PRESSURE	MAXIMUM LOADS GRS.	VEL.	PRESSURE
BULLET: 200 GR. SPR JHP			**DIA. .451"**			**C.O.L. 1.170"**
"HI-SKOR" 800-X				8.3	940	18,000 CUP
SR 4756				8.1	880	17,700 CUP
SR 7625				6.4	825	17,200 CUP
PB				6.0	825	17,200 CUP
"HI-SKOR" 700-X				5.1	815	17,500 CUP
BULLET: 230 GR. REM FMJ			**DIA. .450"**			**C.O.L. 1.260"**
"HI-SKOR" 800-X				7.3	840	17,800 CUP
SR 4756				7.4	795	17,600 CUP
SR 7625				6.8	745	17,400 CUP
PB				5.5	750	17,900 CUP
"HI-SKOR" 700-X				5.0	770	17,700 CUP
BULLET: 230 GR. REM LEAD			**DIA. .451"**			**C.O.L. 1.270"**
"HI-SKOR" 800-X	6.2	760	13,800 CUP	7.2	860	18,000 CUP
SR 4756	6.9	770	14,000 CUP	7.5	860	17,800 CUP
SR 7625	5.8	775	13,600 CUP	6.2	825	17,700 CUP
PB	5.2	765	15,500 CUP	5.5	810	17,900 CUP

NEVER EXCEED MAXIMUM LOADS.

ROYAL SCOT

Powder Charge	Bullet Weight & Type	Muzzle Velocity
4.9 grains	185 grain Hornady FMJ	957 fps
5.0 grains	185 grain Sierra JHP	876 fps
4.7 grains	185 grain Zero LSWC	940 fps
4.8 grains	200 grain Speer JHP	880 fps
4.0 grains	200 grain Speer LSWC(Trgt)	804 fps
4.5 grains	200 grain Speer LSWC	898 fps
4.6 grains	230 Hornady FMJRN	787 fps
4.3 grains	230 grain Lead Round Nose	839 fps

PEARL SCOT

Powder Charge	Bullet Weight & Type	Muzzle Velocity
6.0 grains	185 grain Hornady FMJ	1,005 fps
6.3 grains	185 grain Sierra JHP	944 fps
5.9 grains	185 grain Zero LSWC	1,003 fps
5.7 grains	200 grain Speer JHP	875 fps
4.9 grains	200 grain Speer LSWC(Trgt)	837 fps
5.5 grains	200 grain Speer LSWC	928 fps
5.6 grains	230 Hornady FMJRN	856 fps
5.4 grains	230 grain Lead Round Nose	879 fps

SOLO 1000

Powder Charge	Bullet Weight & Type	Muzzle Velocity
5.1 grains	185 grain Hornady FMJ	957 fps
5.3 grains	185 grain Sierra JHP	884 fps
4.9 grains	185 grain Zero LSWC	937 fps
4.9 grains	200 grain Speer JHP	831 fps
4.1 grains	200 grain Speer LSWC(Trgt)	820 fps

SOLO 1000 (Con't)

Powder Charge	Bullet Weight & Type	Muzzle Velocity
4.7 grains	200 grain Speer LSWC	898 fps
4.7 grains	230 Hornady FMJRN	776 fps
4.7 grains	230 grain Lead Round Nose	863 fps

SOLO 1250

Powder Charge	Bullet Weight & Type	Muzzle Velocity
6.5 grains	185 grain Hornady FMJ	973 fps
7.1 grains	185 grain Sierra JHP	983 fps
6.5 grains	185 grain Zero LSWC	994 fps
6.3 grains	200 grain Speer JHP	871 fps
6.1 grains	200 grain Speer LSWC	946 fps
5.9 grains	230 Hornady FMJRN	797 fps
5.7 grains	230 grain Lead Round Nose	897 fps

SOLO 1500

Powder Charge	Bullet Weight & Type	Muzzle Velocity
8.6 grains	185 grain Hornady FMJ	1,005 fps
9.1 grains	185 grain Sierra JHP	974 fps
8.6 grains	185 grain Zero LSWC	1,010 fps
8.4 grains	200 grain Speer JHP	907 fps
8.2 grains	200 grain Speer LSWC	995 fps
8.2 grains	230 Hornady FMJRN	885 fps
7.5 grains	230 grain Lead Round Nose	876 fps

WINCHESTER Centerfire Rifle Components

When selecting reloading supplies, be sure to look for the following finest quality **Winchester** components.

Primers

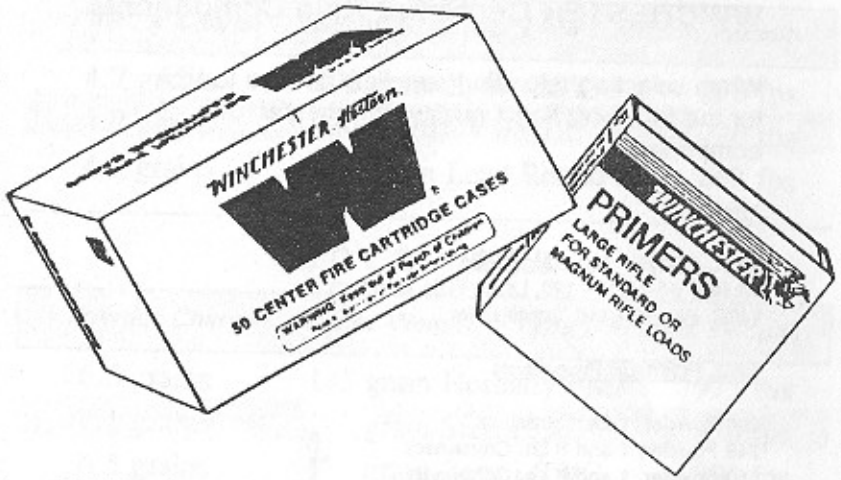
WLR, #8-1/2 - 120, Large Rifle
WLRM, #8-1/2M - 120, Large Rifle Magnum
WSR, #6-1/2 - 116, Small Rifle

BALL POWDER Propellants

680 Powder, 1 Lb. Container
748 Powder, 1 and 8 Lb. Containers
760 Powder, 1 and 8 Lb. Containers

Unprimed Rifle

U218	218 Bee	U300H	300 H&H Mag.
U22H	22 Hornet	U300	300 Savage
U22250	22-250 Rem.	U307	307 Win.
U220S	220 Swift	U308	308 Win.
U223R	223 Rem.	U3220	32-20 Win.
U225	225 Win.	U338	338 Win.Mag.
U243	243 Win.	U348	348 Win
U6MMR	6mm Rem.	U356	356 Win.
U2520	25-20 Win.	U358	358 Win.
U2506	25-06 Rem.	U375H	375 H&H Mag.
U257P	257 Roberts +P	U375W	375 Win.
U264	264 Win. Mag.	U4440	44-40 Win.
U270	270 Win.	U44M	44 Rem. Mag.
U284	284 Win.	U4570	45-70 Govt.
U7MM	7mm Mauser	U458	458 Win. Mag.
U3006	30-06 Springfield		
U3040	30-40 Krag		
U300WM	300 Win. Mag.		



Get Superior Control With Winchester

Reloaders make strenuous demands on their components, and that's the reason why, year after year, more reloaders depend on Winchester.

Winchester is the only ammunition company that makes all of its own components, from raw materials through final product, for the control reloaders demand. Winchester primers are tested for consistent and dependable ignition in extreme temperatures. They are non-corrosive and non-mercuric, and they're carefully controlled for weight and height.

Winchester's patented smokeless, clean-burning BALL POWDER propellants are free-flowing for precise metering and chemically stable for consistent muzzle velocity, and reduced flash and barrel erosion.

Winchester metallic components offer the consistent performance found in factory loads.

WINCHESTER

.45 A.C.P. - WINCHESTER POWDERS

WINCHESTER

CASE: WINCHESTER			BARREL: 5"			PRIMER: WINCHESTER LP
BULLET: 180 GR. WIN LSWC			**DIA. .452"**			**C.O.L. 1.275" MAX**
WSF	6.6	960	15,900 PSI	7.4	1060	20,000 PSI
231	5.3	885	15,300 PSI	6.3	1020	20,000 PSI
WST	4.6	880	16,200 PSI	5.4	1000	20,000 PSI
BULLET: 185 GR. WIN JSWC			**DIA. .451"**			**C.O.L. 1.275" MAX**
WSF	6.0	775	12,800 PSI	7.0	950	17,600 PSI
231	5.1	760	13,300 PSI	6.1	920	18,600 PSI
WST	4.3	745	13,400 PSI	5.3	890	19,000 PSI
BULLET: 200 GR. WIN JHP			**DIA. .451"**			**C.O.L. 1.275" MAX**
WSF	6.6	870	15,500 PSI	7.1	970	19,500 PSI
231	5.3	830	16,200 PSI	5.8	905	19,500 PSI
WST	4.7	820	16,900 PSI	5.2	885	19,900 PSI
BULLET: 200 GR. WIN LSWC			**DIA. .452"**			**C.O.L. 1.275" MAX**
WSF	6.0	870	15,200 PSI	6.7	970	19,400 PSI
231	4.8	800	14,900 PSI	5.5	910	19,600 PSI
WST	4.4	830	15,400 PSI	5.1	910	19,900 PSI

NEVER EXCEED MAXIMUM LOADS.

= WARNING =

Winchester makes no warranties express or implied, limited or full; specifically disclaim any and all warranties of fitness for a particular purpose and merchantability; and specifically disclaim any and all liability for consequential damages of any kind whatsoever. Failure to comply with these warnings or to use this data exactly as shown may result in accidents with serious injury and/or death to the shooter and/or bystanders.

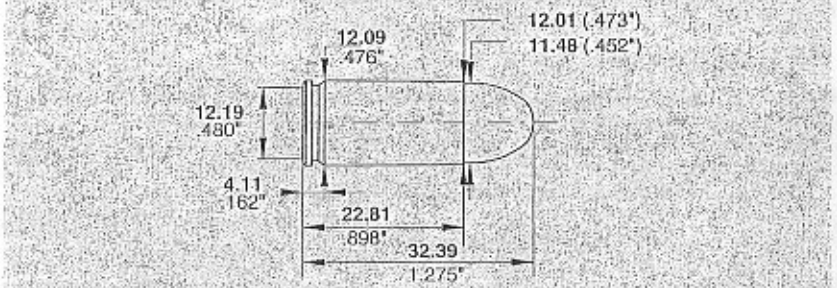
WINCHESTER CONTINUED

POWDER	STARTING LOADS GRS.	VEL.	PRESSURE	MAXIMUM LOADS GRS.	VEL.	PRESSURE
BULLET: 230 GR. WIN FMJ			**DIA. .451"**			**C.O.L. 1.275" MAX**
WSF	5.7	755	14,900 PSI	6.6	885	19,200 PSI
231	4.9	695	14,900 PSI	5.7	830	19,200 PSI
WST	4.1	710	15,500 PSI	4.9	800	19,900 PSI
BULLET: 230 GR. WIN LRN			**DIA. .452"**			**C.O.L. 1.275" MAX**
WSF	5.5	820	15,200 PSI	6.2	910	19,600 PSI
231	4.5	765	15,500 PSI	5.1	870	19,800 PSI
WST	4.0	750	16,200 PSI	4.5	805	20,100 PSI

NEVER EXCEED MAXIMUM LOADS.

.45 AUTO

CIP max. dimensions in millimetres, SAAMI in inches



Country of origin:	**USA**
Year of introduction:	**105**
Primer:	**Large Pistol**
Max. bullet diameter:	**11.48 mm (.452")**
Max. cartridge length:	**32.39 mm (1.275")**
Max. shell length:	**22.81 mm (.898"), trim to 22.70 mm (.893")**
Max. CIP pressure:	**140 MPa (20300 psi)**
Max. SAAMI pressure:	**19900 CUP/22000 psi**

There are a lot of myths affiliated with the .45 ACP cartridge; of it being a mandowner of no comparison. Some say it kicks like a mule. Neither statement is 100% correct.

.45 ACP is a low pressure, subsonic round. Its recoil is very manageable in a hefty M1911 type pistol. This writer is not qualified to discuss "stopping power", luckily so because of lacking experience. But it should be noted that people have been accidentally killed with an .17 caliber air rifle.

.45 ACP is a love affair for many servicemen, above all for those of Uncle Sam's. Colonel Jeff Cooper has been one a very loud proponent in the U.S.. .45 ACP is a very large round, making a large grip necessary for the magazine. Pistols are made by several manufacturers both in the U.S. and overseas. Even some revolvers are chambered for .45 ACP, but this necessitates the use of cumbersome halfmoon clips for extraction.

.45 ACP is good I.P.S.C. "major caliber". It is easy to reload because components are available by the millions. Instructions and recipes are readily available, too. We enclose a few ones more for Vihtavuori powders.

.45 AUTO

TEST COMPONENTS:

Test barrel: 150 mm (6"), 1 in 16" twist, manufactured to meet CIP minimum dimensions.
Primers: Vihtavuori No. 48
Cases: Remington, trim-to length 22.70 mm (.893")

Reloading Data, English Units:

Bullet				Powder	Starting Load			Maximum Load		
Weight [grs]	Type	Mfg.	O.A.L. [in.]	Type	Weight [grs]	Velocity [fps]	Pressure [psi]	Weight [grs]	Velocity [fps]	Pressure [psi]
154	Pb-SWC	Intercast	1.240	N320	6.4	1142	16000	6.9	1225	19600
				N340	7.9	1176	16000	8.5	1276	19600
180	Pb-SWC	Intercast	1.244	N320	5.9	1034	16000	6.3	1105	19600
				N340	7.4	1094	16000	8.0	1186	19600
185	HP/XTP	Hornady	1.268	N320	6.3	999	16000	6.7	1051	19600
				N340	7.9	1041	16000	8.4	1114	19600
200	FPJ	Sierra	1.228	N320	6.0	935	16000	6.5	1006	19600
				N340	7.8	971	16000	7.9	1051	19600
				N350	8.6	987	16000	9.5	1112	19600
200	Pb-SWC	Intercast	1.240	N320	5.1	929	16000	5.5	991	19600
				N340	6.4	984	16000	6.9	1061	19600
230	FMJ-RN	Hornady	1.268	N320	5.1	808	16000	5.4	865	19600
				N340	6.3	867	16000	6.7	926	19600
				N350	7.3	885	16000	7.9	961	19600

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

RELOADING SAFETY RULES

Reloading is an enjoyable and rewarding hobby that is easily conducted with safety. But, like many other human endeavors, carelessness or negligence can make reloading hazardous.

The essence of reloading safety is proper handling and storage of primers and powder. By observing the following rules, the chance of hazardous occurrence becomes extremely remote.

Store powder and primers beyond the reach of children and away from heat and open flames. Do not smoke when reloading.

Keep no more powder that needed in an open container. Immediately return unused powder to its original factory container.

Don't use any powder unless its identity is positively known. Scrap all mixed powders and those of uncertain or unknown identity.

Do not store primers in bulk. To do so is to create a bomb! Bulk primers will mass detonate. Do not use primers when their identity is lost. Safely dispose of unknown types of primers.

Courtesy of Speer Reloading Manual No. 11

All loading data contained in this book is the result of testing by the various bullet and powder manufacturers. Under carefully controlled conditions and with the components and test equipment specified, this data proved safe in their tests. Since none of the companies, nor the publisher, listed herein has control over the components and equipment which may be used with this published information, no responsibility is implied or assumed for results obtained through its use.

Courtesy of Hornady Manufacturing Company, Inc.

Sierra Bullets cannot and does not accept any liability, either expressed or implied, for results of damage or injury arising from or alleged to have arisen from the use of the data in this manual.

Courtesy of Sierra Bullets

Follow loading recommendations exactly. Don't substitute components for those listed. Start loading with the minimum powder charges. Understand what you are doing and why it must be done in a specific way. Stay alert when reloading. Don't reload when distracted, disturbed or tired.

Courtesy of Nosler Bullets, Inc.