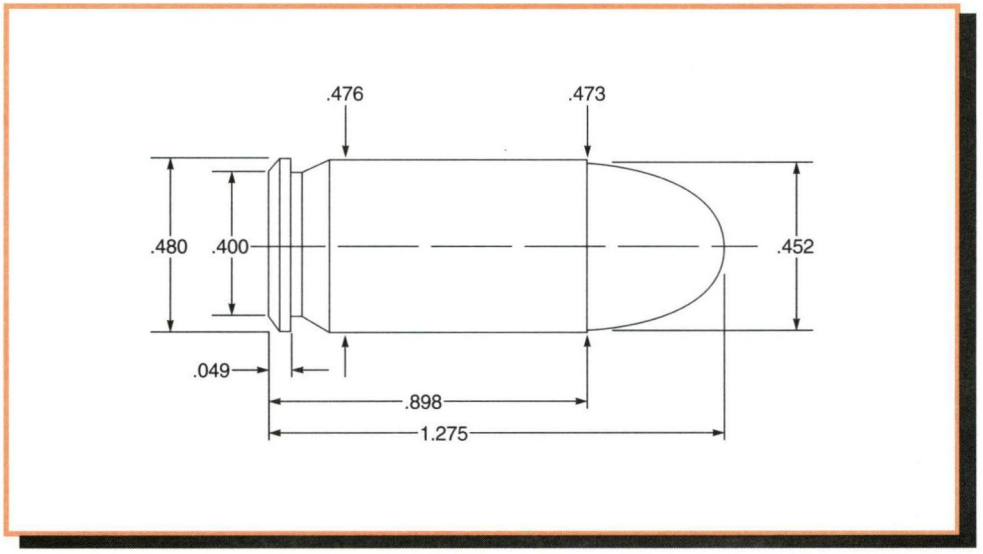
45 Automatic (45 ACP)



Comments:

The 45 ACP (Automatic Colt Pistol) originated in the Colt Model 1905 pistol developed by John Moses Browning. The United States Army sought a 45-caliber pistol to replace the 38 Long Colt that proved semi-disastrous during the Philippine Campaign. John Browning subsequently chambered his masterpiece, the Model 1911 pistol, in 45 ACP and the legend was born. The original military loading consisted of a 200-grain bullet traveling just over 900 feet per second. This soon changed to the now standard 230-grain bullet at 850 feet per second. The Model 1911 and 1911A1 pistol served as the standard U.S. military sidearm for over 70 years. Although officially replaced by the 9mm Beretta in 1985, the 45 ACP cartridge remains in use with Special Operations units. Law enforcement agencies have shown increased interest in the cartridge lately. Several European arms makers are now also producing 45 ACP chambered pistols.

The 45 ACP has long been one of the most accurate and popular pistol cartridges around and shows no sign of slowing down despite its age. It is not however a cartridge that one can shoot once or twice a year and remain proficient with. The wide availability of components and bullet designs make the 45 ACP a great candidate for handloaders. Bullseye, Unique, and 231 often give best results with most bullet weights in this cartridge. The 45 ACP headspaces on the case mouth so cartridges must not be roll crimped. The roll-crimping feature in Lyman seating dies for the 45 ACP is for use with the 45 Auto Rim cartridges used in revolvers. A slight taper crimp can be used on the 45 ACP if necessary. Reloaders should trim cases only if necessary and chamfer the case mouth only enough to break the burr. Shooters should adhere to the listed cartridge overall lengths. Variations in overall lengths may result in excessive pressures or difficulty feeding.

Many 1911 pattern pistols will not function well with anything but round nose bullets unless a qualified gunsmith alters the feed ramp. Cast bullet #452374 has been in the Lyman line since 1924 and is ideal for original, unaltered pistols. This bullet closely duplicates the shape and weight of the original military full metal-jacketed load. Cast bullet #452460 has been a popular semi wad cutter bullet since 1950. Cast bullet #452630 is a bevel-based design. This is a relatively new addition to our line and makes for a good mid-range practice load. Sizing this bullet through a lube-sizer such as our Lyman Model 4500 will often leave a small deposit of bullet lubricant around the bevel. Many shooters simply wipe the base of the bullet on a clean sheet of paper after sizing. Groove diameters can vary from .450" to .453" but the shooter should not size cast bullets larger than .451" due to chamber dimensions.

Test Components:

Cases . . . . . .Remington, Federal
Trim-to Length . . . . . .888"
Primers . . . . . .Remington 2½, CCI 300
Primer Size . . . . . .Large Pistol
Lyman Shell Holder . . . . . .No. 2
Jacketed Bullets Used . .Remington SWC/FMJ, 185 gr.
Hornady HP/XTP #45100, 185 gr.
Speer Gold Dot HP #4478, 200 gr.
Speer JHP #4479, 225 gr.
Speer TMJ #4480, 230 gr.
Cast Bullets Used . . . . . .(sized to .451" dia)
#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"

45 Automatic (45 ACP)

185 gr. Jacketed SWC
1.135" OAL
BC: .068
SD: .130

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
700X	3.4	675	7,900	5.0	967	17,800
Bullseye	3.5	678	8,000	**5.6**	**975**	**16,600**
231	4.1	680	9,100	6.1	981	16,600
SR-7625	4.4	706	9,100	6.5	972	16,800
Unique	4.7	661	7,700	7.5	1055	18,000
SR-4756	5.7	666	7,900	7.7	1002	17,000
HS-6	6.6	689	8,000	9.1	1038	18,000
Blue Dot	7.3	666	8,000	10.2	1015	17,800

200 gr. Jacketed HP
1.178" OAL
BC: .138
SD: .140

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
Clays	3.9	713	13,100	4.4	790	16,500
700X	3.3	597	7,400	4.9	871	17,300
Bullseye	3.4	604	7,100	**5.7**	**942**	**17,800**
231	5.5	772	11,900	6.2	897	16,700
N320	5.1	650	12,500	5.7	857	16,200
SR-7625	4.5	601	7,300	6.7	935	17,400
Unique	4.0	604	7,300	6.5	927	17,700
SR-4756	5.4	588	7,100	7.4	961	18,000
AA#5	6.8	623	9,400	8.5	900	16,800
HS-6	5.7	566	6,500	9.0	951	17,600
Power Pistol	6.6	818	12,900	7.4	935	16,600
WSF	6.5	832	13,600	7.3	955	17,900
Blue Dot	8.7	747	10,400	9.7	899	15,800

230 gr. TMJ
1.275" OAL
BC: .153
SD: .162

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
700X	3.6	667	11,200	**4.8**	**867**	**17,900**
Bullseye	3.8	662	10,400	5.3	878	17,100
SR-7625	4.9	678	10,800	5.9	838	15,800
Unique	5.9	749	12,500	6.6	825	15,800
SR-4756	6.0	695	11,200	7.0	866	17,400
N340	5.9	742	12,700	6.6	838	16,500
Power Pistol	6.4	775	13,500	7.2	858	16,600
Blue Dot	8.3	684	11,000	9.2	806	15,100

185 gr. Jacketed HP
1.175" OAL
BC: .139
SD: .130

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
Clays	4.1	766	13,500	4.6	841	16,600
700X	3.5	612	7,500	5.5	933	17,800
Bullseye	3.5	610	7,300	6.0	976	18,000
231	4.4	640	7,500	6.1	937	15,700
HP-38	3.5	599	7,500	**5.8**	**960**	**17,900**
Red Dot	3.5	607	7,200	6.1	942	17,600
N320	5.7	812	10,500	6.4	988	17,300
PB	4.6	660	9,100	6.9	968	17,700
SR-7625	4.9	633	7,100	7.0	960	17,900
Unique	4.8	630	7,800	7.8	985	17,800
AA#5	7.4	720	10,700	9.2	1008	17,700
Power Pistol	7.4	917	13,400	8.3	1024	16,800
WSF	7.2	881	12,300	8.0	1047	17,500

225 gr. Jacketed HP
1.243" OAL
BC: .169
SD: .158

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
700X	3.1	549	7,500	4.8	796	17,200
Bullseye	3.1	554	7,300	5.3	840	17,400
SR-7625	4.4	587	7,400	6.3	844	17,400
Unique	4.1	548	6,800	**6.7**	**883**	**17,500**
SR-4756	4.8	552	6,700	7.3	882	17,300
N340	6.0	689	11,700	6.7	830	16,300
Power Pistol	6.5	776	14,500	7.3	876	17,100
WSF	6.0	717	14,100	6.7	807	16,500
HS-7	6.7	564	6,800	10.3	884	17,600

#452460
200 gr. (#2 Alloy) 1.161" OAL
BC: .076
SD: .140

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
*Titegroup	4.5	813	13,800	5.1	895	17,300
700X	4.0	745	10,300	5.2	940	17,300
Bullseye	3.5	645	6,900	5.6	869	15,700
Red Dot	4.0	695	8,400	5.3	895	14,700
*N320	4.6	774	13,400	5.2	889	17,100
*WST	4.2	750	13,300	4.7	804	15,300
Green Dot	4.5	715	9,000	5.8	895	14,400
**231	4.0	694	9,200	**6.0**	**987**	**18,000**
SR-7625	5.0	735	9,000	6.2	945	17,000
Unique	5.0	670	7,700	7.5	980	16,600
**SR-4756	5.3	704	9,100	7.3	993	17,000
*Power Pistol	6.3	816	13,300	7.0	919	16,800
**AA#5	6.4	686	10,000	8.0	970	17,000
**HS-6	6.0	690	8,600	8.7	1016	17,700
**Blue Dot	7.1	701	8,900	10.6	1012	17,200

Note: Loads shown in shaded panels are maximum.
Loads shown in bold designate potentially most accurate load.
* Designates use of CCI primers.
**Designates use of Federal cases.

45 Automatic (45 ACP)

#452630
200 gr. (#2 Alloy) 1.235" OAL
BC: .063
SD: .140

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
Clays	3.9	701	10,200	4.4	839	15,500
*Titegroup	4.8	801	12,200	5.4	920	17,100
700X	4.4	676	10,000	5.5	884	17,500
Bullseye	4.9	840	12,900	**6.0**	**909**	**17,000**
Red Dot	4.4	713	12,400	5.5	894	17,600
*N320	5.1	746	10,000	5.7	865	14,800
*WST	4.4	735	11,100	4.9	840	16,300
Green Dot	5.1	727	11,900	6.4	894	16,900
*231	5.4	769	12,700	6.1	885	16,300
SR-7625	5.4	653	8,600	6.7	900	16,800
*WSF	6.3	815	12,200	7.0	904	16,600
Unique	6.0	717	11,400	7.5	913	17,400
SR-4756	6.4	660	9,300	8.0	933	16,700
*Power Pistol	6.6	810	12,700	7.4	955	17,500
AA#5	7.0	697	10,500	8.5	927	16,800
*HS-6	8.5	795	12,800	9.5	912	16,800
Blue Dot	8.5	679	9,800	10.6	972	17,300

#452374
225 gr. (#2 Alloy) 1.272" OAL
BC: .158
SD: .158

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
**Clays	3.6	683	10,600	4.3	818	17,100
*Titegroup	4.5	735	11,200	5.1	841	16,100
700X	4.0	695	10,500	5.0	855	17,300
Bullseye	4.0	680	10,100	5.0	815	14,400
Red Dot	4.3	705	11,100	5.3	835	15,300
*WST	4.2	707	11,500	4.7	794	17,100
Green Dot	4.8	725	11,400	5.8	845	15,100
**231	4.0	661	9,200	**5.8**	**902**	**17,500**
SR-7625	5.0	675	9,000	6.0	850	15,200
*WSF	6.0	749	12,300	6.7	839	15,100
*N340	5.9	730	10,300	6.6	864	16,300
Unique	5.5	695	10,100	7.3	905	16,500
SR-4756	5.5	662	8,800	7.5	955	18,000
*Power Pistol	6.3	764	11,900	7.0	865	16,300
**AA#5	6.6	625	9,200	8.2	874	17,300
**HS-6	6.2	664	8,400	8.6	921	16,600
**Blue Dot	7.5	660	8,600	10.7	964	17,300

Note: Loads shown in shaded panels are maximum.
Loads shown in bold designate potentially most accurate load.
* Designates use of CCI primers.
** Designates use of Federal cases.