

Muzzleloader Projectile Ballistics

Muzzleloader Ammo Description			Velocity (m/sec)						Energy (joules)						Trajectory Tables (cm)					
DESCRIPTION	BULLET WT.	ITEM #	MUZ	50m	100m	150m	200m	250m	MUZ	50m	100m	150m	200m	250m	MUZ	50m	100m	150m	200m	250m
45 Cal. SST-ML™ Low Drag Sabot	200 gr. (13.0 g)	67132	709	657	608	561	516	475	3255	2797	2393	2038	1728	1461	-5.0	2.9	4.9	0	-13.1	-35.6
50 Cal. SST-ML™ Lock-N-Load™ Speed Sabot™	250 gr. (16.2 g)	67270	686	622	562	507	456	410	3810	3136	2562	2080	1682	1363	-5.0	3.8	5.9	0	-16.2	-44.7
50 Cal. SST-ML™ Low Drag Sabot	250 gr. (16.2 g)	67273	686	622	562	507	456	410	3810	3136	2562	2080	1682	1363	-5.0	3.8	5.9	0	-16.2	-44.7
50 Cal. MonoFlex™ High Speed Low Drag Sabot	250 gr. (16.2 g)	67274	686	622	562	507	456	410	3810	3136	2562	2080	1682	1363	-5.0	3.8	5.9	0	-16.2	-44.7
50 Cal. SST-ML™ Lock-N-Load™ Speed Sabot™	300 gr. (19.4 g)	67271	649	597	548	502	459	420	4097	3467	2920	2449	2049	1716	-5.0	4.2	6.4	0	-16.7	-45.3
50 Cal. SST-ML™ Low Drag Sabot	300 gr. (19.4 g)	67263	649	597	548	502	459	420	4097	3467	2920	2449	2049	1716	-5.0	4.2	6.4	0	-16.7	-45.3

All data developed in a stock T/C Omega inline muzzleloader with 150 gr. charges except when noted. Zero your rifle 3" high at 100 yards for a 6" shooting window to 200 yards with 3 pellets or 150 gr. charges.

Shotgun Slug Ballistics

Shotgun Slug Description			Velocity (m/sec)						Energy (joules)						Trajectory Tables (cm)					
AMMO DESCRIPTION	BULLET	ITEM #	MUZ	25m	50m	75m	100m	125m	MUZ	25m	50m	75m	100m	125m	MUZ	25m	50m	75m	100m	125m
12 GA American Whitetail™ Rifled Slug 2¾" (70 mm)	1 oz. Rifled Slug	86234	488	417	361	322	296	278	3376	2464	1845	1471	1244	1093	-5.0	0.7	2.9	0	-8.8	-24.9
12 GA American Gunner™ Reduced Recoil Rifled Slug 2¾" (70 mm)	1 oz. Rifled Slug	86231	396	346	312	289	271	257	2226	1693	1382	1185	1043	934	-5.0	2.3	4.4	0	-11.7	-32

Shotgun Ballistics

AMMO DESCRIPTION	SHOT SIZE	SHELL LENGTH	ITEM #	Velocity (m/sec) muzzle
12 GA Varmint Express™ 2¾" (70 mm)	#4 Buck	2¾" (70 mm)	86243	404
12 GA Critical Defense™ 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86240	488
12 GA Superformance™ 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86246	488
12 GA American Gunner™ 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86274	411
12 GA Hornady BLACK™ 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86249	488
12 GA Heavy Magnum™ Turkey 3"	#4	3" (76 mm)	86242	396

AMMO DESCRIPTION	SHOT SIZE	SHELL LENGTH	ITEM #	Velocity (m/sec) muzzle
12 GA Heavy Magnum™ Turkey 3" (76 mm)	#5	3" (76 mm)	86241	396
12 GA Heavy Magnum™ Turkey 3" (76 mm)	#6	3" (76 mm)	86244	396
12 GA Heavy Magnum™ Coyote 3" (76 mm)	BB	3" (76 mm)	86222	396
12 GA Heavy Magnum™ Coyote 3" (76 mm)	00 Buck	3" (76 mm)	86224	396
20 GA Heavy Magnum™ Turkey 3" (76 mm)	#5	3" (76 mm)	86248	351
410 Critical Defense™ Triple Defense™	FTX Slug & 2 round balls	2½" (65 mm)	86238	219

12 gauge shotgun ballistics are established with a 30" SAAMI standard test barrel. 20 gauge shotgun ballistics are established with a 26" SAAMI standard test barrel.

Handgun Ammunition Product Lines:

AG American Gunner™
 CD Critical Defense®
 CDL Critical Defense® Lite
 DUTY Critical Duty®
 C Custom™
 LEV LEVERevolution™
 S Steel Match®

Handgun Ballistics

Ammo Description			Velocity (m/sec)			Energy (joules)					
CARTRIDGE	BULLET	ITEM #	BARREL LENGTH	MUZ	50m	100m	MUZ	50m	100m		
CD	22 WMR	45 gr.FTX®	(2,9g)	83200	17/8"V	305	280	261	136	115	99
CD	25 Auto	35 gr.FTX®	(2,3g)	90014	2"						
C	25 Auto	35 gr.XTP®	(2,3g)	90012	2"	274	248	226	85	69	58
C	32 Auto	60 gr.FTX®	(3,9g)	90063	4"						
C	32 Auto	60 gr.XTP®	(3,9g)	90062	4"	305	276	254	180	148	125
CD	32 NAA	80 gr.FTX®	(5,2g)	90070	4"	305	284	268	241	210	186
CD	32 H&R	80 gr.FTX®	(5,2g)	90060	4"	351	317	294	319	260	224
AG	380 Auto	90 gr.XTP®	(5,8g)	90104	4"	305	278	258	271	225	194
CD	380 Auto	90 gr.FTX®	(5,8g)	90080	4"	305	278	258	271	225	194
CDL	9mm Luger	100 gr.FTX®	(6,5g)	90240	4"	343	306	281	381	304	256
AG	9mm Luger	115 gr.XTP®	(7,5g)	90244	4"	352	316	292	462	373	317
CD	9mm Luger	115 gr.FTX®	(7,5g)	90250	4"	346	312	289	446	363	312
DUTY	9mm Luger+P	124 gr.FlexLock®	(8,0g)	90216	4"	358	327	304	515	429	373
AG	9mm Luger+P	124 gr.XTP®	(8,0g)	90224	4"	358	325	301	515	424	365
C	9mm Luger	124 gr.XTP®	(8,0g)	90242	4"	338	313	294	460	393	348
DUTY	9mm Luger	135 gr.FlexLock®	(8,7g)	90236	4"	308	293	280	415	374	343
DUTY	9mm Luger+P	135 gr.FlexLock®	(8,7g)	90226	4"	338	316	300	500	438	392
C	9mm Luger	147 gr.XTP®	(9,5g)	90282	4"	297	285	274	420	386	358
DUTY	357 Sig	135 gr.FlexLock®	(8,7g)	91296	4"	373	339	314	610	503	433
C	357 Sig	147 gr.XTP®	(9,5g)	9131	4"	373	345	323	664	567	498
CDL	38 Special	90 gr.FTX®	(5,8g)	90300	4"	366	316	286	390	292	239
CD	38 Special	110 gr.FTX®	(7,1g)	90310	4"V	308	286	269	338	292	258
CD	38 Special+P	110 gr.FTX®	(7,1g)	90311	4"V	332	304	283	393	328	285
AG	38 Special	125 gr.XTP®	(8,1g)	90324	4"V	274	261	249	305	275	251
C	38 Special	158 gr.XTP®	(10,2g)	90362	4"V	244	236	229	305	285	268
CD	357 Magnum	125 gr.FTX®	(8,1g)	90500	8"V	457	400	354	846	648	510
AG	357 Magnum	125 gr.XTP®	(8,1g)	90504	8"V	457	400	355	846	649	511
DUTY	357 Magnum	135 gr.FlexLock®	(8,7g)	90511	8"V	389	351	322	660	537	456
LEV	357 Magnum	140 gr.FTX®	(9,1g)	92755	8"V	439	390	352	875	691	561
C	357 Magnum	158 gr.XTP®	(10,2g)	90562	8"V	381	350	327	743	628	546
CD	9x 18mm Makarov	95 gr.FTX®	(6,2g)	91000	4"	305	278	258	286	239	205
AG	40 S&W	155 gr.XTP®	(10,0g)	91364	4"	360	323	298	649	525	446

Ammo Description			Velocity (m/sec)			Energy (joules)					
CARTRIDGE	BULLET	ITEM #	BARREL LENGTH	MUZ	50m	100m	MUZ	50m	100m		
C	40 S&W	155 gr.XTP®	(10,0g)	9132	4"	360	323	298	649	525	446
CD	40 S&W	165 gr.FTX®	(10,7g)	91340	3"	319	296	279	542	468	415
DUTY	40 S&W	175 gr.FlexLock®	(11,3g)	91376	4"	308	289	274	537	475	426
C	40 S&W	180 gr.XTP®	(11,7g)	9136	4"	290	275	262	489	441	403
C	10mm Auto	155 gr.XTP®	(10,0g)	9122	5"	386	341	310	747	583	484
DUTY	10mm Auto	175 gr.FlexLock®	(11,3g)	91256	5"	354	321	298	711	584	503
C	10mm Auto	180 gr.XTP®	(11,7g)	9126	5"	360	328	305	754	628	545
LEV	41 Rem Mag	190 gr.FTX®	(12,3g)	9078	10"	491	421	364	1289	946	709
C	41 Rem Mag	210 gr.XTP®	(13,6g)	9077	10"	471	417	372	1510	1182	939
C	44-40 Cowboy	205 gr.Cowboy™	(13,3g)	9075	7½"V	221	210	200	324	293	264
CD	44 Special	165 gr.FTX®	(10,7g)	90700	2½"V	274	258	244	403	357	319
C	44 Special	180 gr.XTP®	(11,7g)	9070	7½"V	305	285	269	542	473	420
C	44 Rem Mag	200 gr.XTP®	(13,0g)	9080	7½"V	457	406	364	1354	1068	858
LEV	44 Rem Mag	225 gr.FTX®	(14,6g)	92782	7½"V	430	376	336	1346	1030	823
C	44 Rem Mag	240 gr.XTP®	(15,6g)	9085	7½"V	411	375	345	1316	1093	927
C	44 Rem Mag	300 gr.XTP®	(19,4g)	9088	7½"V	351	330	314	1194	1059	957
AG	45 Auto	185 gr.XTP®	(12,0g)	90904	5"	296	278	263	523	462	414
CD	45 Auto	185 gr.FTX®	(12,0g)	90900	3"	274	260	247	451	405	366
C	45 Auto	200 gr.XTP®	(13,0g)	9112	5"	274	261	249	488	441	401
DUTY	45 Auto +P	220 gr.FlexLock®	(14,3g)	90926	5"	297	283	270	629	569	521
C	45 Auto +P	230 gr.XTP®	(14,9g)	9096	5"	290	277	265	625	571	526
CD	45 Colt	185 gr.FTX®	(12,0g)	92790	3"V	280	265	252	472	422	380
LEV	45 Colt	225 gr.FTX®	(14,6g)	92792	4¾"V	293	275	261	624	552	496
C	45 Colt	255 gr.Cowboy™	(16,5g)	9115	4¾"V	221	209	198	404	362	325
C	454 Casull	240 gr.XTP® Mag	(15,6g)	9148	7½"V	579	511	450	2609	2034	1578
C	454 Casull	300 gr.XTP® Mag	(19,4g)	9150	7½"V	503	450	403	2460	1967	1579
C	460 S&W	200 gr.FTX®	(13,0g)	9152	8 3/8"	671	592	519	2914	2268	1746
C	480 Ruger	325 gr.XTP® Mag	(21,1g)	9138	7½"	411	363	328	1783	1388	1135
C	50 AE	300 gr.XTP®	(19,4g)	9245	6"	450	381	333	1965	1414	1078
C	500 S&W	300 gr.FTX®	(19,4g)	9249	8½"	594	504	426	3434	2466	1760
C	500 S&W	500 gr.FP-XTP®	(32,4g)	9252	8½"	396	359	331	2544	2089	1773

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| American Gunner™ | Critical Duty® | FlexLock® | Hornady Action Pistol™ | Light Magnum™ | Mach 2™ | PPS™ | SST™ ML™ | TAP™ FPD™ | V-MAX™ |
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