



BALLISTICS

HORNADY® PRODUCT LINES

- CD** Critical Defense®
- CD** Critical Duty®
- C** Custom™
- DG** Dangerous Game™ Series
- LE** LEVERevolution®
- M** Match
- S** Steel Match
- SF** Superformance®
- SM** Superformance® Match
- SV** Superformance® Varmint
- T** TAP® FPD™
- V** Varmint Express®
- VM** Vintage Match

HANDGUN AMMUNITION (METRIC)

Ammo Description							Velocity (m / sec)			Energy (joules)		
CARTRIDGE	ITEM #	BULLET	Weight (Grams)	BC	BARREL LENGTH	MUZZLE	50 m	100 m	MUZZLE	50 m	100 m	
CD	22 WMR	83200	45 gr. FTX	2.92	.110	1 7/8 V"	305	278	258	135	113	97
C	25 Auto	90012	35 gr. XTP	2.27	.072	2"	274	253	234	85	73	62
C	32 Auto	90062	60 gr. XTP	3.89	.090	4"	305	259	242	181	130	114
C	380 Auto	90102	90 gr. XTP	5.83	.099	4"	305	276	255	271	222	190
CD	380 Auto	90080	90 gr. FTX	5.83	.099	4"	305	276	255	271	222	190
C	9MM Luger	90252	115 gr. XTP	7.45	.129	4"	352	313	288	462	366	310
CD	9MM Luger	90250	115 gr. FTX	7.45	.129	4"	346	310	286	446	357	304
C	9MM Luger	90242	124 gr. XTP	8.04	.165	4"	338	311	291	460	388	341
T	9MM Luger	90248	124 gr. TAP-FPD	8.04	.165	4"	338	311	291	460	388	341
S	9MM Luger	90275	125 gr. HAP	8.10	.158	4"	338	310	290	464	389	340
CD	9MM Luger	90236	135 gr. FlexLock	8.75	.195	4"	308	291	278	415	371	337
CD	9MM Luger +P	90226	135 gr. FlexLock	8.75	.195	4"	338	315	297	501	433	386
C	9MM Luger	90282	147 gr. XTP	9.53	.212	4"	297	284	272	421	383	353
C	9 x 18MM Makarov	91002	95 gr. XTP	6.16	.127	4"	305	281	263	286	244	213
CD	9 x 18MM Makarov	91000	95 gr. FTX	6.16	.100	4"	305	276	255	286	234	200
CD	38 Special	90310	110 gr. FTX	7.13	.131	4" V	308	284	266	338	288	253
CD	38 Special+P	90311	110 gr. FTX	7.13	.131	4" V	332	301	280	393	323	279
C	38 Special	90322	125 gr. XTP	8.10	.151	4" V	274	260	247	305	273	247
C	38 Special	90362	158 gr. XTP	10.24	.206	4" V	244	235	227	304	284	265
CD	357 Magnum	90500	125 gr. FTX	8.10	.150	8" V	457	395	348	847	631	490
C	357 Magnum	90502	125 gr. XTP	8.10	.151	8" V	457	395	348	847	633	492
C	357 Magnum	90552	140 gr. XTP	9.07	.169	8" V	411	364	330	768	602	494
LE	357 Magnum	92755	140 gr. FTX	9.07	.169	8" V	439	386	346	874	676	542
C	357 Magnum	90562	158 gr. XTP	10.24	.206	8" V	381	348	323	743	619	534
C	357 SIG	9130	124 gr. XTP	8.04	.165	4"	411	363	329	680	530	434
C	357 SIG	9131	147 gr. XTP	9.53	.212	4"	373	343	320	664	559	487
C	40 S&W	9132	155 gr. XTP	10.04	.137	4"	360	320	295	650	515	436
T	40 S&W	91328	155 gr. TAP-FPD	10.04	.137	4"	360	320	295	650	515	436
CD	40 S&W	91340	165 gr. FTX	10.69	.145	3"	319	294	276	542	462	407
CD	40 S&W	91376	175 gr. FlexLock	11.34	.155	4"	308	287	271	537	469	418
S	40 S&W	91362	180 gr. HAP	11.66	.164	4"	290	274	260	489	437	396
C	40 S&W	9136	180 gr. XTP	11.66	.164	4"	290	274	260	489	437	396
C	10MM Auto	9122	155 gr. XTP	10.04	.137	5"	386	337	306	747	571	471
C	10MM Auto	9126	180 gr. XTP	11.66	.164	5"	360	326	302	755	618	532
C	10MM Auto	9129	200 gr. XTP	12.96	.199	5"	320	301	286	664	588	531
C	44-40 Cowboy	9075	205 gr. Cowboy	13.28	.123	7 1/2" V	221	209	198	324	290	260
CD	44 Special	90700	165 gr. FTX	10.69	.125	2 1/2" V	274	257	242	402	353	313
C	44 Special	9070	180 gr. XTP	11.66	.138	7 1/2" V	305	283	266	542	467	413
C	44 Rem Mag	9081	180 gr. XTP	11.66	.138	7 1/2" V	472	402	350	1302	944	713
C	44 Rem Mag	9080	200 gr. XTP	12.96	.170	7 1/2" V	457	401	358	1355	1045	829
LE	44 Rem Mag	92782	225 gr. FTX	14.58	.145	7 1/2" V	430	371	330	1347	1005	796
C	44 Rem Mag	9085	240 gr. XTP	15.55	.205	7 1/2" V	411	372	341	1317	1074	904
C	44 Rem Mag	9088	300 gr. XTP	19.44	.245	7 1/2" V	351	328	311	1195	1048	942
C	45 Auto	9090	185 gr. XTP	11.99	.139	5"	296	276	260	524	457	406
CD	45 Auto	90900	185 gr. FTX	11.99	.140	3"	274	259	245	451	401	360
C	45 Auto	9112	200 gr. XTP	12.96	.151	5"	274	260	247	488	437	395
T	45 Auto+P	91128	200 gr. TAP-FPD	12.96	.151	5"	322	297	279	670	572	504
C	45 Auto+P	9113	200 gr. XTP	12.96	.151	5"	322	297	279	670	572	504
C	45 Auto+P	9096	230 gr. XTP	14.90	.188	5"	290	276	264	625	566	518
C	45 Auto	9097	230 gr. FMJ	14.90	.188	5"	259	249	239	500	461	426
T	45 Auto+P	90958	230 gr. TAP-FPD	14.90	.188	5"	290	276	264	625	566	518
S	45 ACP	90985	230 gr. HAP	41.90	.188	5"	259	249	239	500	461	426
CD	45 Colt	92790	185 gr. FTX	11.99	.140	3" V	280	264	250	471	417	374
C	45 Colt	9115	255 gr. Cowboy	16.52	.117	4 3/4" V	221	208	197	404	358	320
LE	45 Colt	92792	225 gr. FTX	14.58	.140	4 3/4" V	293	274	258	624	546	487
C	454 Casull	9148	240 gr. XTP MAG	15.55	.160	7 1/2" V	579	505	440	2609	1983	1509
C	454 Casull	9150	300 gr. XTP MAG	19.44	.180	7 1/2" V	503	444	394	2459	1918	1511
C	460 S&W	9152	200 gr. FTX	12.96	.151	8 3/8"	671	584	507	2914	2212	1665
C	475 Linebaugh	9140	400 gr. XTP MAG	25.92	.182	7 1/2"	396	355	326	2035	1636	1376
C	480 Ruger	9138	325 gr. XTP MAG	21.06	.150	7 1/2"	411	359	323	1783	1358	1100
C	480 Ruger	9144	400 gr. XTP MAG	25.92	.182	7 1/2"	335	311	293	1457	1253	1112
C	50 AE	9245	300 gr. XTP	19.44	.120	6"	450	376	326	1965	1372	1036
C	500 S&W	9249	300 gr. FTX	19.44	.120	8 1/2"	594	495	413	3435	2385	1658
C	500 S&W	9250	350 gr. XTP MAG	22.68	.145	8 1/2"	518	444	384	3045	2238	1669
C	500 S&W	9252	500 gr. FP-XTP	32.40	.185	8 1/2"	396	356	327	2544	2052	1728

SHOTGUN AMMUNITION (METRIC)

Ammo Description			Velocity (m / sec) / Energy (joules)					Trajectory Tables (cm)				
AMMO DESCRIPTION	Weight (Grams)	ITEM #	MUZZLE	50 m	100 m	150 m	200 m	MUZZLE	50 m	100 m	150 m	200 m
20 ga. SST Shotgun Slug	16.20	86232	549 / 3349	491 / 2441	440 / 1953	395 / 1568	339 / 1264	-4.0	8.0	11.0	0	-26.0
12 ga. SST Shotgun Slug	19.44	8623	610 / 6891	549 / 3617	493 / 2930	443 / 2362	358 / 1908	-4.0	6.0	8.0	0	-21.0

AMMO DESCRIPTION	SHELL LENGTH	ITEM #	MUZZLE
12 Gauge #4 Buck	2¾"	86243	411
12 Gauge Critical Defense 00 Buck (8 Pellets)	2¾"	86240	488
12 Gauge Superperformance 00 Buck (8 Pellets)	2¾"	86246	488
12 Gauge TAP-FPD 00 Buck (8 Pellets)	2¾"	86276	488

AMMO DESCRIPTION	SHELL LENGTH	ITEM #	MUZZLE
12 Gauge Heavy Mag #4 Turkey (1½ oz)	3"	86242	396
12 Gauge Heavy Mag #5 Turkey (1½ oz)	3"	86241	396
12 Gauge Heavy Mag #6 Turkey (1½ oz)	3"	86244	396

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.

MUZZLELOADER PROJECTILES (METRIC)

Description			Velocity (m / sec) / Energy (joules)					Trajectory Tables (cm)						
DESCRIPTION	Weight (Grams)	ITEM #	MUZZLE	50 m	100 m	150 m	200 m	250 m	MUZZLE	50 m	100 m	150 m	200 m	250 m
45 Cal. SST-ML	12.96	67132	724 / 3397	672 / 2926	622 / 2507	575 / 2412	530 / 1820	487 / 1537	-4.0	6.0	11.0	9.0	0	-18.0
50 Cal. SST-ML Low Drag	16.20	67270	686 / 3812	623 / 3144	563 / 2567	507 / 2082	457 / 1692	411 / 1368	-4.0	8.0	14.0	12.0	0	-23.0
50 Cal. SST-ML Low Drag	19.44	67271	649 / 4094	598 / 3476	549 / 2930	502 / 2449	460 / 2057	421 / 1723	-4.0	9.0	15.0	12.0	0	-24.0
50 Cal. FPB (150 gr. charge)	19.44	6605	640 / 3981	588 / 3361	538 / 2813	491 / 2343	449 / 1960	410 / 1634	-4.0	9.0	15.0	13.0	0	-25.0
50 Cal. FPB (100 gr. charge)	19.44	6605	549 / 2930	501 / 2039	458 / 2039	418 / 1698	384 / 1433	355 / 1225	-4.0	14.0	22.0	18.0	0	-34.0
50 Cal. FPB (150 gr. charge)	22.68	6600	595 / 4015	551 / 3443	510 / 2950	472 / 2526	437 / 2166	405 / 1860	-4.0	11.0	17.0	14.0	0	-27.0
50 Cal. FPB (100 gr. charge)	22.68	6600	494 / 2767	457 / 2368	423 / 2029	393 / 1751	366 / 1519	1159 / 1043	-4.0	17.0	26.0	21.0	0	-39.0

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.

LEGEND

BTBoattail
DGSDangerous Game Solid
DGXDangerous Game Expanding
FMJFull Metal Jacket

FPFlat Point
FPBFlex Tip® Projectile Blackpowder
FTXFlex Tip® eXpanding
GMXGilding Metal Expanding

HPHollow Point
IBInterBond® Bullet
LSwaged Lead Bullet
LRNLead Round Nose
MLMuzzleloading w/Moly..Moly-Coated

RNRound Nose
SILSilhouette
SJShort Jacket
SPSpire Point
SP-RPSpire Point Recoil Proof

SSTSuper Shock Tipped
VVented
XTPExtreme Terminal Performance™