

SHOT SHELL LOAD DATA

Abbreviation Key: BHP = boat-tail hollow point; BTSP = boat-tail soft point; FN = flat nose; LRN = lead round nose; LSW = lead semi-wadcutter; LW = lead wadcutter; SWC = semi-wadcutter; SWHP = semi-wadcutter hollow point; CB = conical ball reduced power/noise; FP = flat point; CP = copper-plated; L = lead; J = jacketed; HP = hollow-point; RN = round nose; SHP = segmented hollow-point; SP = soft point; FMJ = full metal jacket; TSJ = total synthetic jacket; TMF = toxic-metal-free; TMJ = totally encapsulated bullet; V = vented barrel; HE = high energy (not for use in semi-automatic rifles); * = not for revolvers; ◇ = nickel-plated case; RMEF = a portion of the proceeds from the sale of this product is donated to Rocky Mountain Elk Foundation; SCF = a portion of the proceeds from the sale of this product is donated to Safari Club International; CLM = cartridge length longer than SAAMI max, may not fit in all magazines.. *Molycoat: molybdenum disulfide dry film lubricant

Waterfowl

LOAD NO.	GAUGE	SHELL LENGTH	VELOCITY	PAYLOAD	SHOT
FEDERAL PREMIUM BLACK CLOUD® FS STEEL					
PWBX107	10	3½	1375	1⅝	BB, 2
PWBX134	12	3½	1500	1½	BBB, BB, 1, 2, 3, 4
PWBX142	12	3	1450	1¼	BBB, BB, 1, 2, 3, 4
PWBX147	12	2¾	1500	1⅞	BB, 2, 3, 4
PWBX209	20	3	1350	1	1, 2, 3, 4
FEDERAL PREMIUM BLACK CLOUD TSS					
PWBTSSX1427BB	12	3	1450	1¼	BB FS Steel/7 TSS
PWBTSSX142 39	12	3	1450	1¼	3 FS Steel/9 TSS
PWBTSSX209 39	20	3	1350	1	3 FS Steel/9 TSS
FEDERAL PREMIUM BLACK CLOUD FS STEEL HIGH VELOCITY					
PWBXH143	12	3	1635	1⅞	BB, 1, 2, 3, 4
SPEED•SHOK® WATERFOWL					
WF107	10	3½	1450	1½	T, BBB, BB, 2
WF133	12	3½	1550	1⅝	T, BBB, BB, 1, 2, 3, 4
WF134	12	3½	1500	1½	T, BBB, BB, 1, 2
WF143	12	3	1550	1⅞	T, BBB, BB, 1, 2, 3, 4, 6
WF142	12	3	1450	1¼	T, BBB, BB, 1, 2, 3, 4, 6
WF145	12	2¾	1500	1⅞	BB, 2, 3, 4, 6
WF168	16	2¾	1350	1⅝	BB, 2, 4
WF209	20	3	1550	7⁄8	1, 2, 3, 4
WF208	20	2¾	1425	¾	4, 6, 7
WF283	28	2¾	1350	¾	6
WF413	.410	3	1400	¾	6

Buckshot

LOAD NO.	GAUGE	SHELL LENGTH	VELOCITY	PAYLOAD
FEDERAL PREMIUM BUCKSHOT WITH FLITECONTROL® WAD				
PFC157 00	12	3	1325	12 Pellets - 00 Buck
PFC154 00	12	2¾	1325	9 Pellets - 00 Buck
FEDERAL PREMIUM BUCKSHOT				
P108F 00	10	3½	1100	18 Pellets - 00 Buck
P135F 00	12	3½	1100	18 Pellets - 00 Buck
P158 4B	12	3	1100	41 Pellets - 4 Buck
P158 000	12	3	1225	10 Pellets - 000 Buck
P154 00	12	2¾	1325	9 Pellets - 00 Buck
P156 00	12	2¾	1290	12 Pellets - 00 Buck
P258 2B	20	3	1100	18 Pellets - 2 Buck
P256 3B	20	2¾	1175	20 Pellets - 3 Buck
POWER•SHOK® BUCKSHOT				
F131 00	12	3	1210	15 Pellets - 00 Buck
F131 4B	12	3	1210	41 Pellets - 4 Buck
F127 000	12	2¾	1325	8 Pellets - 000 Buck
F127 00	12	2¾	1325	9 Pellets - 00 Buck
F127 4B	12	2¾	1325	27 Pellets - 4 Buck
F130 00	12	2¾	1290	12 Pellets - 00 Buck
F164 1B	16	2¾	1225	12 Pellets - 1 Buck
F207 2B	20	3	1100	18 Pellets - 2 Buck
F203 3B	20	2¾	1200	20 Pellets - 3 Buck
POWER•SHOK BUCKSHOT - LOW RECOIL				
H132 00	12	2¾	1140	9 Pellets - 00 Buck
PERSONAL DEFENSE SHOTSHELL WITH FLITECONTROL				
PD132	12	2¾	1145	9 Pellets - 00 Buck
PERSONAL DEFENSE SHOTSHELL				
PD156	12	2¾	1100	34 Pellets - 4 Buck
PD256	20	2¾	1100	24 Pellets - 4 Buck
PERSONAL DEFENSE .410 HANDGUN				
PD413JGE 000		3	775	5 pellets-000 Buck
PD413JGE 4B		3	950	9 pellets-4 Buck
PD412JGE 000		2½	850	4 pellets - 000 Buck
PD412JGE 4		2½	950	7⁄16 ounce - 4 Shot

Turkey

LOAD NO.	GAUGE	SHELL LENGTH	VELOCITY	PAYLOAD	SHOT
FEDERAL PREMIUM 3RD DEGREE® WITH FLITECONTROL FLEX® WAD					
PTDX139 567	12	3½	1250	2	5-6-7
PTDX157 567	12	3	1250	1¾	5-6-7
PTDX258 567	20	3	1100	1½	5-6-7
FEDERAL PREMIUM GRAND SLAM® WITH FLITECONTROL FLEX WAD					
PFCX101F	10	3½	1200	2	4, 5
PFCX139F	12	3½	1200	2	4, 5, 6
PFCX157F	12	3	1200	1¾	4, 5, 6
PFCX156F	12	2¾	1200	1½	5
PFCX258F	20	3	1185	1⅝	5
FEDERAL PREMIUM HEAVYWEIGHT® TSS WITH FLITECONTROL FLEX WAD					
PTSSX195F	12	3½	1000	2½	7/9, 8/10
PTSSX191F	12	3½	1200	2¼	7, 9
PTSSX193F	12	3	1200	1¾	7, 9
PTSSX295F	20	3	1000	1⅝	7/9, 8/10
PTSSX259F	20	3	1100	1½	7, 9
PTSS419F	.410	3	1100	13/16	9

Upland

LOAD NO.	GAUGE	SHELL LENGTH	VELOCITY	PAYLOAD	SHOT
FEDERAL PREMIUM BISMUTH					
PBIX137	12	3	1450	1⅝	3, 4, 5
PBIX144	12	2¾	1350	1¼	3, 4, 5
PBIX244	20	3	1350	1⅞	3, 4, 5
FEDERAL PREMIUM HI-BIRD®					
HVF12H	12	2¾	1330	1¼	4, 5, 6, 7.5, 8
HVF12	12	2¾	1275	1⅞	6, 7.5, 8
FEDERAL PREMIUM UPLAND MAGNUM					
P156	12	2¾	1315	1½	4, 6
P165	16	2¾	1260	1¼	4, 6
P258	20	3	1300	1¾	4, 5, 6
P256	20	2¾	1175	1⅞	4, 6
FEDERAL PREMIUM UPLAND HIGH VELOCITY					
P129	12	3	1350	1⅝	4, 5, 6
P128	12	2¾	1500	1⅞	4, 6, 7.5
P138	12	2¾	1500	1⅝	4, 5, 6
P283	28	2¾	1295	¾	6, 7.5, 8
FEDERAL PREMIUM UPLAND PHEASANTS FOREVER HIGH VELOCITY					
PF154	12	2¾	1500	1¼	4, 5, 6, 7.5
PF163	16	2¾	1425	1⅞	4, 5, 6
PF204	20	2¾	1350	1	4, 5, 6, 7.5
FEDERAL PREMIUM PRAIRIE STORM® FS LEAD					
PF129FS	12	3	1350	1⅝	4, 5, 6
PF154FS	12	2¾	1500	1¼	4, 5, 6
PFX164FS	16	2¾	1425	1¼	4, 5, 6
PF258FS	20	3	1300	1¾	4, 5, 6
PF204FS	20	2¾	1350	1	4, 5, 6
PFX289FS	28	2¾	1300	1	6
FEDERAL PREMIUM PRAIRIE STORM FS STEEL					
PFS143FS	12	3	1600	1⅞	3, 4
PFS207FS	20	3	1500	7⁄8	3, 4
UPLAND STEEL					
USH12	12	2¾	1400	1⅞	6, 7.5
USH20	20	2¾	1500	¾	6, 7.5
USH28	28	2¾	1350	5⁄8	6, 7.5
USH410	.410	2¾	1400	¾	6, 7.5
GAME LOAD - HI-BRASS					
H126	12	2¾	1330	1¼	4, 5, 6, 7.5
H163	16	2¾	1295	1⅞	4, 6, 7.5
H204	20	2¾	1220	1	4, 5, 6, 7.5
H289	28	2¾	1220	1	5, 6, 7.5
H413	.410	3	1135	1⅞	4, 5, 6, 7.5
H412	.410	2½	1200	½	6, 7.5
GAME LOAD - HEAVY FIELD					
H123	12	2¾	1255	1⅞	4, 6, 7.5, 8
H125	12	2¾	1220	1¼	4, 5, 6, 7.5
H202	20	2¾	1165	1	6, 7.5, 8
GAME LOAD					
H121	12	2¾	1290	1	6, 7.5, 8
H160	16	2¾	1165	1	6, 7.5, 8
H200	20	2¾	1210	7⁄8	6, 7.5, 8

Usage Key: 1 = Varmints, predators, small game; 2 = medium game; 3 = large, heavy game; 4 = dangerous game; 5 = target shooting, training, practice; 6 = self defense; 7 = competition shooting; 8 = pest control; 9 = low noise, training, specialty.

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal behavior of each load at standard conditions (59°F temperature; barometric pressure of 29.53 inches; altitude at sea level). Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights and ammunition.

Federal Premium Sabot Slug

USAGE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		SLUG TYPE	SLUG WEIGHT		VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST FOOT-POUND)					HEIGHT OF SLUG TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT YARDS, SIGHTS .5 INCHES ABOVE BORE LINE.					TEST BARREL LENGTH INCHES		
			INCHES	MM		OUNCES	GRAINS	MUZZLE	25 YDS.	50 YDS.	100 YDS.	150 YDS.	200 YDS.	MUZZLE	25 YDS.	50 YDS.	100 YDS.	150 YDS.	200 YDS.	25 YDS.	50 YDS.	100 YDS.		150 YDS.	200 YDS.
FEDERAL PREMIUM TROPHY® COPPER (FULLY RIFLED SLUG BARREL)																									
2	P151 TC	12	3	76	Trophy Copper Slug	.69	300	2000	1900	1800	1620	1450	1310	2665	2400	2160	1745	1400	1135	1.3	2.6	2.9	⊕	-7.1	30
2	P152 TC	12	2¾	70	Trophy Copper Slug	.69	300	1900	1800	1710	1530	1380	1240	2405	2165	1945	1565	1260	1030	1.7	2.9	3.3	⊕	-7.9	30
2	P209 TC	20	3	76	Trophy Copper Slug	.63	275	1900	1790	1690	1500	1340	1200	2205	1965	1750	1380	1090	875	1.6	3.0	3.4	⊕	-8.3	30
2	P208 TC	20	2¾	70	Trophy Copper Slug	.63	275	1700	1600	1510	1340	1200	-	1765	1570	1390	1100	885	-	1.0	1.7	⊕	-6.5	-	30

Note: For optimum slug performance, we recommend matching the chamber length to the slug length. For example, use a 3-inch slug in a 3-inch chamber.

Federal Premium Smoothbore Slug

USAGE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		SLUG TYPE	SLUG WEIGHT		VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST FOOT-POUND)					HEIGHT OF SLUG TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT YARDS, SIGHTS .5 INCHES ABOVE BORE LINE.					TEST BARREL LENGTH INCHES
			INCHES	MM		OUNCES	GRAINS	MUZZLE	25 YDS.	50 YDS.	100 YDS.	MUZZLE	25 YDS.	50 YDS.	100 YDS.	25 YDS.	50 YDS.	100 YDS.					
FEDERAL PREMIUM TRUBALL® RIFLED SLUGS (SMOOTHBORE BARREL)																							
2	PB127 LRS*	12	2¾	70	TruBall Rifled Slug	1	438	1300	1150	1040	910	1640	1275	1055	805	0.6	⊕	-7.4	30				
2	PB127 RS	12	2¾	70	TruBall Rifled Slug	1	438	1600	1370	1180	970	2485	1810	1355	915	0.3	⊕	-5.7	30				
2	PB131 RS	12	3	76	TruBall Rifled Slug	1	438	1700	1450	1240	1000	2805	2040	1505	970	0.3	⊕	-5.1	30				
2	PB203 RS	20	2¾	70	TruBall Rifled Slug	¾	328	1600	1390	1220	1010	1865	1410	1090	745	0.3	⊕	-5.3	30				
2	PB209 RS	20	3	76	TruBall Rifled Slug	¾	328	1700	1480	1290	1040	2105	1595	1215	795	0.3	⊕	-4.8	30				
FEDERAL PREMIUM TRUBALL DEEP PENETRATOR RIFLED SLUGS (SMOOTHBORE BARREL)																							
3	PB127 DPRS	12	2¾	70	TruBall Rifled Slug	1	438	1350	1200	1090	950	1775	1400	1150	875	0.5	⊕	-6.8	30				

* Low-recoil load

Federal Slug

USAGE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		SLUG TYPE	SLUG WEIGHT		VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST FOOT-POUND)					HEIGHT OF SLUG TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT YARDS, SIGHTS .5 INCHES ABOVE BORE LINE.					TEST BARREL LENGTH INCHES		
			INCHES	MM		OUNCES	GRAINS	MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	25 YDS.	50 YDS.	75 YDS.		100 YDS.	125 YDS.
FEDERAL POWER•SHOK® SABOT SLUG (FULLY RIFLED SLUG BARREL)																									
2	F127 SS2	12	2¾	70	Sabot HP	1	438	1500	1420	1350	1280	1220	1170	2190	1970	1775	1600	1455	1330	1.4	2.1	1.7	⊕	-3.2	30
2	F203 SS2	20	2¾	70	Sabot HP	7/8	383	1450	1350	1260	1180	1120	1070	1785	1550	1350	1190	1065	965	1.6	2.5	2.0	⊕	-3.8	30
FEDERAL POWER•SHOK RIFLED SLUG (SMOOTHBORE BARREL)																									
2	F103F RS	10	3½	89	HP	1¾	766	1280	1170	1090	1020	970	930	2785	2325	2000	1770	1600	1465	0.5	⊕	-2.4	-6.8	-13.6	32
2	F131 RS	12	3	76	HP	1¾	547	1600	1460	1330	1220	1130	1060	3110	2570	2140	1800	1545	1360	0.3	⊕	-1.5	-4.5	-9.1	30
2	F127 RS	12	2¾	70	HP	1	438	1610	1470	1340	1230	1140	1070	2520	2090	1745	1470	1260	1110	0.3	⊕	-1.5	-4.4	-8.9	30
2	F130 RS	12	2¾	70	HP	1¾	547	1520	1390	1270	1170	1090	1030	2805	2330	1950	1660	1445	1290	0.3	⊕	-1.7	-4.9	-10.0	30
2	F164 RS	16	2¾	70	HP	4/5	350	1600	1380	1210	1080	1000	930	1990	1490	1135	910	770	675	0.3	⊕	-1.8	-5.4	-11.2	28
2	F203 RS	20	2¾	70	HP	¾	328	1600	1430	1280	1160	1070	1000	1865	1480	1190	975	830	730	0.3	⊕	-1.6	-4.8	-10.0	26
2	F412 RS	410	2½	64	HP	¼	109	1775	1540	1340	1180	1060	980	760	575	430	335	270	235	0.2	⊕	-1.4	-4.4	-9.3	26

Target

LOAD NO.	GAUGE	SHELL LENGTH	VELOCITY	DRAM	PAYLOAD	SHOT
FEDERAL PREMIUM GOLD MEDAL GRAND®						
GMT119	12	2¾	1335	3¾	24 gram	7.5, 9
GMT113	12	2¾	1180	2¾	1	7.5, 8
GMT114	12	2¾	1100	Extra-Lite	1/8	7.5, 8
GMT115	12	2¾	1145	2¾	1/8	7.5, 8
GMT116	12	2¾	1200	3	1/8	7.5, 8
GMT178	12	2¾	1235	HDCP	1/8	7.5, 8
FEDERAL PREMIUM GOLD MEDAL GRAND PAPER						
GMT175	12	2¾	1180	2¾	1	8
GMT117	12	2¾	1145	2¾	1/8	7.5, 8
GMT118	12	2¾	1200	3	1/8	7.5, 8
GMT171	12	2¾	1235	HDCP	1/8	7.5, 8
FEDERAL PREMIUM GOLD MEDAL PLASTIC						
T206	20	2¾	1200	2½	7/8	8, 9
T280	28	2¾	1230	2	¾	8.5, 9
T412	410	2½	1230	Max.	½	8.5, 9

LOAD NO.	GAUGE	SHELL LENGTH	VELOCITY	PAYLOAD	SHOT
TOP GUN TARGET					
TG121	12	2¾	1180	1	7.5, 8
TG122	12	2¾	1250	1	7.5, 8
TG12	12	2¾	1200	1/8	7.5, 8
TG12EL	12	2¾	1200	7/8	8
TGL12	12	2¾	1145	1/8	7.5, 8, 9
TGL12US	12	2¾	1145	1/8	8
TGL12P	12	2¾	1145	1/8	8
TG20	20	2¾	1210	7/8	7.5, 8, 9
TOP GUN TARGET - SUBSONIC					
TGM123	12	2¾	900	1/8	7.5
TOP GUN TARGET - STEEL					
TG147	12	2¾	1145	1/8	7
TG251	20	2¾	1210	7/8	7
SHORTY SHOTSHELLS					
SH129 4B	12	1¾	1200	15 Pellet	4 Buck
SH129 RS	12	1¾	1200	1	Rifled slug
SH129 8	12	1¾	1145	15/16	8
TOP GUN® SPORTING					
TGSF128	12	2¾	1330	1	7.5, 8
TGSH12	12	2¾	1300	1	7.5, 8
TGS128	12	2¾	1250	1	7.5, 8
TGS224	20	2¾	1250	7/8	7.5, 8
TGS2821	28	2¾	1330	¾	7.5, 8, 9
TGS41214	.410	2½	1330	½	7.5, 8, 9