

## .308 Dia., 110 Gr. HP

POINT BLANK RANGE COMPUTED FOR 2.0 INCHES ABOVE AND BELOW LINE OF SIGHT

RANGE METERS MUZZLE 50 100 150 200 250

MAXIMUM POINT BLANK RANGE IS 190 METERS. SET ZERO AT 160 METERS.

VELOCITY FPS	2800	2537	2290	2056	1849	1661
ENERGY FT-LB	1914	1572	1280	1032	835	674
DROP INCHES	.00	-.70	-3.02	-7.33	-14.10	-23.92
BULLET PATH (50 M)	-.80	.00	-.82	-3.63	-8.90	-17.21
INCHES (100 M)	-.80	.41	.00	-2.40	-7.26	-15.17
(ZERO RANGE) (150 M)	-.80	1.21	1.60	.00	-4.06	-11.17
(200 M)	-.80	2.22	3.63	3.05	.00	-6.09
MPBR ZERO (160 M)	-.80	1.40	1.97	.56	-3.31	-10.23
WIND DRIFT (10 MPH)	.00	.52	2.19	5.18	9.68	15.84
INCHES (20 MPH)	.00	1.04	4.37	10.36	19.37	31.69

MAXIMUM POINT BLANK RANGE IS 185 METERS. SET ZERO AT 155 METERS.

VELOCITY FPS	2700	2443	2201	1974	1777	1595
ENERGY FT-LB	1780	1458	1183	952	771	621
DROP INCHES	.00	-.75	-3.26	-7.91	-15.23	-25.85
BULLET PATH (50 M)	-.80	.00	-.95	-4.05	-9.81	-18.88
INCHES (100 M)	-.80	.47	.00	-2.63	-7.92	-16.51
(ZERO RANGE) (150 M)	-.80	1.35	1.75	.00	-4.42	-12.14
(200 M)	-.80	2.45	3.96	3.31	.00	-6.61
MPBR ZERO (155 M)	-.80	1.45	1.95	.30	-4.02	-11.63
WIND DRIFT (10 MPH)	.00	.55	2.30	5.47	10.19	16.64
INCHES (20 MPH)	.00	1.10	4.61	10.93	20.37	33.28

MAXIMUM POINT BLANK RANGE IS 175 METERS. SET ZERO AT 150 METERS.

VELOCITY FPS	2600	2348	2111	1897	1706	1530
ENERGY FT-LB	1650	1347	1089	879	710	571
DROP INCHES	.00	-.82	-3.52	-8.56	-16.50	-28.02
BULLET PATH (50 M)	-.80	.00	-1.09	-4.52	-10.84	-20.74
INCHES (100 M)	-.80	.54	.00	-2.88	-8.66	-18.02
(ZERO RANGE) (150 M)	-.80	1.51	1.92	.00	-4.82	-13.21
(200 M)	-.80	2.71	4.33	3.61	.00	-7.19
MPBR ZERO (150 M)	-.80	1.51	1.92	.00	-4.82	-13.21
WIND DRIFT (10 MPH)	.00	.58	2.44	5.77	10.72	17.49
INCHES (20 MPH)	.00	1.16	4.87	11.54	21.43	34.97

MAXIMUM POINT BLANK RANGE IS 170 METERS. SET ZERO AT 145 METERS.

VELOCITY FPS	2500	2254	2022	1820	1635	1466
ENERGY FT-LB	1526	1241	999	809	652	524
DROP INCHES	.00	-.88	-3.82	-9.29	-17.92	-30.44
BULLET PATH (50 M)	-.80	.00	-1.25	-5.05	-11.99	-22.83
INCHES (100 M)	-.80	.63	.00	-3.17	-9.48	-19.70
(ZERO RANGE) (150 M)	-.80	1.68	2.11	.00	-5.26	-14.42
(200 M)	-.80	3.00	4.74	3.94	.00	-7.84
MPBR ZERO (145 M)	-.80	1.56	1.88	-.35	-5.73	-15.01
WIND DRIFT (10 MPH)	.00	.61	2.58	6.09	11.28	18.39
INCHES (20 MPH)	.00	1.23	5.17	12.18	22.56	36.77

MAXIMUM POINT BLANK RANGE IS 165 METERS. SET ZERO AT 140 METERS.

VELOCITY FPS	2400	2160	1939	1744	1565	1404
ENERGY FT-LB	1406	1139	918	743	598	481
DROP INCHES	.00	-.96	-4.15	-10.12	-19.51	-33.16
BULLET PATH (50 M)	-.80	.00	-1.44	-5.64	-13.27	-25.16
INCHES (100 M)	-.80	.72	.00	-3.49	-10.40	-21.57
(ZERO RANGE) (150 M)	-.80	1.88	2.32	.00	-5.75	-15.76
(200 M)	-.80	3.32	5.20	4.31	.00	-8.57
MPBR ZERO (140 M)	-.80	1.62	1.81	-.77	-6.77	-17.04
WIND DRIFT (10 MPH)	.00	.65	2.74	6.41	11.86	19.32
INCHES (20 MPH)	.00	1.30	5.48	12.82	23.72	38.63

MAXIMUM POINT BLANK RANGE IS 155 METERS. SET ZERO AT 130 METERS.

VELOCITY FPS	2300	2065	1857	1669	1496	1344
ENERGY FT-LB	1291	1042	842	680	547	441
DROP INCHES	.00	-1.05	-4.53	-11.04	-21.29	-36.20

BULLET PATH	(50 M)	-80	.00	-1.64	-6.30	-14.71	-27.77
INCHES	(100 M)	-80	.82	.00	-3.84	-11.42	-23.67
(ZERO RANGE)	(150 M)	-80	2.10	2.56	.00	-6.30	-17.26
	(200 M)	-80	3.68	5.71	4.73	.00	-9.39
MPBR ZERO	(130 M)	-80	1.55	1.46	-1.65	-8.50	-20.01
WIND DRIFT	(10 MPH)	.00	.69	2.89	6.74	12.46	20.28
INCHES	(20 MPH)	.00	1.39	5.79	13.48	24.92	40.55

RANGE METERS MUZZLE 50 100 150 200 250

MAXIMUM POINT BLANK RANGE IS 150 METERS. SET ZERO AT 125 METERS.

VELOCITY FPS		2200	1973	1776	1594	1430	1289
ENERGY FT-LB		1181	951	770	620	499	406
DROP INCHES		.00	-1.14	-4.96	-12.08	-23.30	-39.62
BULLET PATH	(50 M)	-80	.00	-1.87	-7.04	-16.32	-30.70
INCHES	(100 M)	-80	.94	.00	-4.24	-12.58	-26.02
(ZERO RANGE)	(150 M)	-80	2.35	2.83	.00	-6.93	-18.95
	(200 M)	-80	4.08	6.29	5.20	.00	-10.29
MPBR ZERO	(125 M)	-80	1.60	1.33	-2.25	-9.92	-22.70
WIND DRIFT	(10 MPH)	.00	.74	3.04	7.07	13.08	21.24
INCHES	(20 MPH)	.00	1.48	6.07	14.14	26.15	42.49

MAXIMUM POINT BLANK RANGE IS 145 METERS. SET ZERO AT 120 METERS.

VELOCITY FPS		2100	1887	1696	1521	1365	1238
ENERGY FT-LB		1076	869	702	565	455	374
DROP INCHES		.00	-1.26	-5.44	-13.24	-25.56	-43.45
BULLET PATH	(50 M)	-80	.00	-2.13	-7.87	-18.13	-33.97
INCHES	(100 M)	-80	1.06	.00	-4.69	-13.88	-28.65
(ZERO RANGE)	(150 M)	-80	2.62	3.12	.00	-7.63	-20.84
	(200 M)	-80	4.53	6.94	5.72	.00	-11.30
MPBR ZERO	(120 M)	-80	1.64	1.16	-2.94	-11.56	-25.75
WIND DRIFT	(10 MPH)	.00	.77	3.16	7.39	13.68	22.17
INCHES	(20 MPH)	.00	1.54	6.32	14.78	27.37	44.33

MAXIMUM POINT BLANK RANGE IS 140 METERS. SET ZERO AT 115 METERS.

VELOCITY FPS		2000	1801	1617	1450	1306	1190
ENERGY FT-LB		976	792	638	513	416	345
DROP INCHES		.00	-1.38	-5.97	-14.56	-28.10	-47.74
BULLET PATH	(50 M)	-80	.00	-2.41	-8.82	-20.18	-37.64
INCHES	(100 M)	-80	1.21	.00	-5.20	-15.35	-31.61
(ZERO RANGE)	(150 M)	-80	2.94	3.46	.00	-8.42	-22.95
	(200 M)	-80	5.04	7.68	6.32	.00	-12.42
MPBR ZERO	(115 M)	-80	1.68	.96	-3.76	-13.44	-29.22
WIND DRIFT	(10 MPH)	.00	.78	3.26	7.69	14.27	23.02
INCHES	(20 MPH)	.00	1.56	6.53	15.38	28.53	46.03

MAXIMUM POINT BLANK RANGE IS 135 METERS. SET ZERO AT 110 METERS.

VELOCITY FPS		1900	1708	1532	1374	1245	1142
ENERGY FT-LB		881	712	573	461	378	318
DROP INCHES		.00	-1.53	-6.64	-16.19	-31.25	-53.01
BULLET PATH	(50 M)	-80	.00	-2.77	-9.99	-22.72	-42.15
INCHES	(100 M)	-80	1.39	.00	-5.83	-17.17	-35.22
(ZERO RANGE)	(150 M)	-80	3.33	3.89	.00	-9.39	-25.49
	(200 M)	-80	5.68	8.59	7.04	.00	-13.75
MPBR ZERO	(110 M)	-80	1.74	.71	-4.77	-15.76	-33.45
WIND DRIFT	(10 MPH)	.00	.83	3.49	8.20	15.10	24.14
INCHES	(20 MPH)	.00	1.67	6.98	16.41	30.20	48.29

MAXIMUM POINT BLANK RANGE IS 125 METERS. SET ZERO AT 105 METERS.

VELOCITY FPS		1800	1615	1449	1305	1189	1099
ENERGY FT-LB		791	637	512	416	345	295
DROP INCHES		.00	-1.71	-7.41	-18.08	-34.86	-58.98
BULLET PATH	(50 M)	-80	.00	-3.19	-11.36	-25.63	-47.24
INCHES	(100 M)	-80	1.60	.00	-6.56	-19.24	-39.25
(ZERO RANGE)	(150 M)	-80	3.79	4.38	.00	-10.48	-28.31
	(200 M)	-80	6.41	9.62	7.86	.00	-15.21
MPBR ZERO	(105 M)	-80	1.80	.40	-5.97	-18.44	-38.26
WIND DRIFT	(10 MPH)	.00	.89	3.73	8.72	15.88	25.13
INCHES	(20 MPH)	.00	1.79	7.46	17.43	31.75	50.26

MAXIMUM POINT BLANK RANGE IS 120 METERS. SET ZERO AT 100 METERS.							
VELOCITY FPS		1700	1524	1368	1240	1138	1060
ENERGY FT-LB		705	567	457	375	316	274
DROP INCHES		.00	-1.92	-8.33	-20.29	-39.01	-65.75
BULLET PATH	(50 M)	-80	.00	-3.69	-12.94	-28.94	-52.96
INCHES	(100 M)	-80	1.85	.00	-7.40	-21.56	-43.73
(ZERO RANGE)	(150 M)	-80	4.31	4.93	.00	-11.69	-31.40
	(200 M)	-80	7.24	10.78	8.77	.00	-16.78
MPBR ZERO	(100 M)	-80	1.85	.00	-7.40	-21.56	-43.73
WIND DRIFT	(10 MPH)	.00	.96	3.98	9.18	16.53	25.86
INCHES	(20 MPH)	.00	1.91	7.95	18.36	33.06	51.73

RANGE METERS		MUZZLE	50	100	150	200	250
MAXIMUM POINT BLANK RANGE IS 115 METERS. SET ZERO AT 95 METERS.							
VELOCITY FPS		1600	1434	1293	1180	1092	1026
ENERGY FT-LB		625	502	408	340	291	257
DROP INCHES		.00	-2.17	-9.40	-22.85	-43.76	-73.37
BULLET PATH	(50 M)	-80	.00	-4.26	-14.75	-32.68	-59.32
INCHES	(100 M)	-80	2.13	.00	-8.35	-24.16	-48.66
(ZERO RANGE)	(150 M)	-80	4.92	5.57	.00	-13.02	-34.74
	(200 M)	-80	8.17	12.08	9.77	.00	-18.46
MPBR ZERO	(95 M)	-80	1.88	-.50	-9.10	-25.15	-49.90
WIND DRIFT	(10 MPH)	.00	1.02	4.20	9.55	16.98	26.24
INCHES	(20 MPH)	.00	2.04	8.40	19.10	33.95	52.48

MAXIMUM POINT BLANK RANGE IS 110 METERS. SET ZERO AT 90 METERS.							
VELOCITY FPS		1500	1347	1223	1125	1051	994
ENERGY FT-LB		549	443	365	309	269	241
DROP INCHES		.00	-2.47	-10.67	-25.82	-49.17	-81.91
BULLET PATH	(50 M)	-80	.00	-4.93	-16.80	-36.88	-66.34
INCHES	(100 M)	-80	2.46	.00	-9.41	-27.02	-54.02
(ZERO RANGE)	(150 M)	-80	5.60	6.27	.00	-14.47	-38.33
	(200 M)	-80	9.22	13.51	10.85	.00	-20.25
MPBR ZERO	(90 M)	-80	1.90	-1.12	-11.09	-29.26	-56.82
WIND DRIFT	(10 MPH)	.00	1.08	4.35	9.74	17.09	26.11
INCHES	(20 MPH)	.00	2.16	8.69	19.49	34.18	52.22

MAXIMUM POINT BLANK RANGE IS 105 METERS. SET ZERO AT 85 METERS.							
VELOCITY FPS		1400	1265	1157	1075	1013	963
ENERGY FT-LB		478	391	327	282	250	226
DROP INCHES		.00	-2.83	-12.16	-29.23	-55.27	-91.42
BULLET PATH	(50 M)	-80	.00	-5.70	-19.14	-41.55	-74.07
INCHES	(100 M)	-80	2.85	.00	-10.59	-30.16	-59.82
(ZERO RANGE)	(150 M)	-80	6.38	7.06	.00	-16.03	-42.17
	(200 M)	-80	10.39	15.08	12.02	.00	-22.13
MPBR ZERO	(85 M)	-80	1.90	-1.89	-13.43	-33.94	-64.56
WIND DRIFT	(10 MPH)	.00	1.10	4.36	9.66	16.72	25.34
INCHES	(20 MPH)	.00	2.20	8.73	19.31	33.44	50.67

MAXIMUM POINT BLANK RANGE IS 95 METERS. SET ZERO AT 80 METERS.							
VELOCITY FPS		1300	1185	1095	1029	976	933
ENERGY FT-LB		412	343	293	258	232	212
DROP INCHES		.00	-3.27	-13.93	-33.23	-62.33	-102.30
BULLET PATH	(50 M)	-80	.00	-6.60	-21.83	-46.86	-82.77
INCHES	(100 M)	-80	3.30	.00	-11.94	-33.67	-66.28
(ZERO RANGE)	(150 M)	-80	7.28	7.96	.00	-17.76	-46.39
	(200 M)	-80	11.72	16.83	13.32	.00	-24.19
MPBR ZERO	(80 M)	-80	1.87	-2.86	-16.22	-39.39	-73.42
WIND DRIFT	(10 MPH)	.00	1.08	4.25	9.26	15.87	23.93
INCHES	(20 MPH)	.00	2.16	8.49	18.52	31.75	47.86

MAXIMUM POINT BLANK RANGE IS 90 METERS. SET ZERO AT 75 METERS.							
VELOCITY FPS		1200	1107	1037	983	938	900
ENERGY FT-LB		351	299	262	236	215	197
DROP INCHES		.00	-3.81	-16.08	-37.99	-70.63	-115.02
BULLET PATH	(50 M)	-80	.00	-7.66	-24.97	-53.00	-92.79
INCHES	(100 M)	-80	3.83	.00	-13.47	-37.67	-73.63

(ZERO RANGE)	(150 M)	-80	8.32	8.98	.00	-19.71	-51.17
	(200 M)	-80	13.25	18.83	14.78	.00	-26.54
MPBR ZERO	(75 M)	-80	1.80	-4.07	-19.57	-45.80	-83.79
WIND DRIFT	(10 MPH)	.00	1.03	3.95	8.49	14.50	21.87
INCHES	(20 MPH)	.00	2.06	7.89	16.99	29.01	43.74

MAXIMUM POINT BLANK RANGE IS 85 METERS. SET ZERO AT 70 METERS.

VELOCITY FPS		1100	1032	979	935	897	863
ENERGY FT-LB		295	260	234	213	196	182
DROP INCHES		.00	-4.47	-18.69	-43.72	-80.60	-130.38
BULLET PATH	(50 M)	-80	.00	-8.94	-28.70	-60.30	-104.82
INCHES	(100 M)	-80	4.47	.00	-15.29	-42.43	-82.47
(ZERO RANGE)	(150 M)	-80	9.57	10.19	.00	-22.04	-56.99
	(200 M)	-80	15.08	21.21	16.53	.00	-29.44
MPBR ZERO	(70 M)	-80	1.67	-5.59	-23.67	-53.60	-96.44
WIND DRIFT	(10 MPH)	.00	.88	3.38	7.32	12.62	19.19
INCHES	(20 MPH)	.00	1.77	6.76	14.65	25.23	38.39

RANGE METERS		MUZZLE	50	100	150	200	250
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MAXIMUM POINT BLANK RANGE IS 80 METERS. SET ZERO AT 65 METERS.

VELOCITY FPS		1050	993	947	907	872	841
ENERGY FT-LB		269	240	219	201	186	172
DROP INCHES		.00	-4.88	-20.27	-47.21	-86.75	-139.93
BULLET PATH	(50 M)	-80	.00	-9.72	-30.98	-64.84	-112.35
INCHES	(100 M)	-80	4.86	.00	-16.40	-45.41	-88.05
(ZERO RANGE)	(150 M)	-80	10.33	10.94	.00	-23.54	-60.72
	(200 M)	-80	16.21	22.70	17.65	.00	-31.29
MPBR ZERO	(65 M)	-80	1.36	-7.01	-26.91	-59.42	-105.57
WIND DRIFT	(10 MPH)	.00	.80	3.09	6.75	11.71	17.93
INCHES	(20 MPH)	.00	1.60	6.17	13.49	23.41	35.85

MAXIMUM POINT BLANK RANGE IS 80 METERS. SET ZERO AT 65 METERS.

VELOCITY FPS		1000	952	912	876	845	815
ENERGY FT-LB		244	221	203	187	174	162
DROP INCHES		.00	-5.35	-22.10	-51.32	-94.05	-151.34
BULLET PATH	(50 M)	-80	.00	-10.61	-33.69	-70.27	-121.41
INCHES	(100 M)	-80	5.31	.00	-17.77	-49.05	-94.88
(ZERO RANGE)	(150 M)	-80	11.23	11.85	.00	-25.35	-65.26
	(200 M)	-80	17.57	24.53	19.02	.00	-33.57
MPBR ZERO	(65 M)	-80	1.49	-7.63	-29.22	-64.31	-113.96
WIND DRIFT	(10 MPH)	.00	.73	2.84	6.26	10.94	16.87
INCHES	(20 MPH)	.00	1.46	5.68	12.52	21.88	33.73

MAXIMUM POINT BLANK RANGE IS 75 METERS. SET ZERO AT 60 METERS.

VELOCITY FPS		950	910	874	843	813	786
ENERGY FT-LB		220	202	186	173	161	151
DROP INCHES		.00	-5.86	-24.25	-56.22	-102.79	-165.01
BULLET PATH	(50 M)	-80	.00	-11.73	-37.03	-76.95	-132.50
INCHES	(100 M)	-80	5.87	.00	-19.43	-53.48	-103.18
(ZERO RANGE)	(150 M)	-80	12.34	12.96	.00	-27.57	-70.79
	(200 M)	-80	19.24	26.74	20.68	.00	-36.32
MPBR ZERO	(60 M)	-80	1.09	-9.55	-33.75	-72.58	-127.04
WIND DRIFT	(10 MPH)	.00	.67	2.65	5.89	10.36	16.08
INCHES	(20 MPH)	.00	1.35	5.30	11.77	20.73	32.16

MAXIMUM POINT BLANK RANGE IS 70 METERS. SET ZERO AT 55 METERS.

VELOCITY FPS		900	865	834	806	779	753
ENERGY FT-LB		197	183	170	158	148	138
DROP INCHES		.00	-6.50	-26.86	-62.12	-113.30	-181.57
BULLET PATH	(50 M)	-80	.00	-13.05	-41.01	-84.89	-145.86
INCHES	(100 M)	-80	6.53	.00	-21.43	-58.78	-113.23
(ZERO RANGE)	(150 M)	-80	13.67	14.29	.00	-30.21	-77.51
	(200 M)	-80	21.22	29.39	22.65	.00	-39.75
MPBR ZERO	(55 M)	-80	.60	-11.85	-39.20	-82.47	-142.84
WIND DRIFT	(10 MPH)	.00	.64	2.52	5.65	10.02	15.64
INCHES	(20 MPH)	.00	1.27	5.05	11.30	20.04	31.28

MAXIMUM POINT BLANK RANGE IS 70 METERS. SET ZERO AT 55 METERS.

VELOCITY FPS		850	820	792	766	741	718
ENERGY FT-LB		176	164	153	143	134	125
DROP INCHES		.00	-7.27	-29.96	-69.12	125.98	-201.75
BULLET PATH	( 50 M )	-80	.00	-14.62	-45.71	-94.49	-162.19
INCHES	(100 M )	-80	7.31	.00	-23.78	-65.26	-125.65
(ZERO RANGE)	(150 M )	-80	15.24	15.85	.00	-33.55	-86.01
	(200 M )	-80	23.62	32.63	25.16	.00	-44.07
MPBR ZERO	( 55 M )	-80	.68	-13.25	-43.66	-91.76	-158.78
WIND DRIFT	(10 MPH)	.00	.62	2.48	5.58	9.94	15.57
INCHES	(20 MPH)	.00	1.24	4.95	11.16	19.87	31.14

MAXIMUM POINT BLANK RANGE IS 65 METERS. SET ZERO AT 50 METERS.

VELOCITY FPS		800	773	748	724	701	679
ENERGY FT-LB		156	146	136	128	120	112
DROP INCHES		.00	-8.10	-33.56	-77.57	141.40	-226.35
BULLET PATH	( 50 M )	-80	.00	-16.56	-51.68	106.60	-182.66
INCHES	(100 M )	-80	8.28	.00	-26.84	-73.48	-141.26
(ZERO RANGE)	(150 M )	-80	17.23	17.89	.00	-37.70	-96.53
	(200 M )	-80	26.65	36.74	28.28	.00	-49.40
MPBR ZERO	( 50 M )	-80	.00	-16.56	-51.68	106.60	-182.66
WIND DRIFT	(10 MPH)	.00	.62	2.50	5.64	10.08	15.84
INCHES	(20 MPH)	.00	1.25	5.00	11.29	20.16	31.68