

.224 Dia., 50 Gr. SMP

POINT BLANK RANGE COMPUTED FOR 2.5 INCHES ABOVE AND BELOW LINE OF SIGHT

RANGE	YARDS	MUZZLE	50	100	150	200	250	300	400	500
MAXIMUM POINT BLANK RANGE IS 335 YARDS. SET ZERO AT 290 YARDS.										
VELOCITY FPS		4300	3967	3659	3372	3104	2852	2612	2167	1769
ENERGY FT-LB		2052	1747	1486	1262	1069	903	757	521	347
DROP INCHES		.00	-.24	-1.04	-2.49	-4.70	-7.82	-12.00	-24.46	-44.42
BULLET PATH	(100 YDS)	-1.50	-.47	.00	-.18	-1.12	-2.96	-5.87	-15.79	-33.21
INCHES	(150 YDS)	-1.50	-.42	.12	.00	-.88	-2.67	-5.52	-15.32	-32.62
(ZERO RANGE)	(200 YDS)	-1.50	-.19	.56	.66	.00	-1.56	-4.20	-13.55	-30.42
	(250 YDS)	-1.50	.12	1.18	1.60	1.25	.00	-2.32	-11.05	-27.29
MPBR ZERO	(290 YDS)	-1.50	.42	1.79	2.51	2.47	1.52	-.50	-8.62	-24.25
WIND DRIFT	(10 MPH)	.00	.25	1.04	2.42	4.44	7.17	10.71	20.62	35.32
INCHES	(20 MPH)	.00	.51	2.09	4.84	8.88	14.35	21.41	41.24	70.64

MAXIMUM POINT BLANK RANGE IS 330 YARDS. SET ZERO AT 285 YARDS.										
VELOCITY FPS		4200	3875	3573	3292	3029	2781	2544	2105	1715
ENERGY FT-LB		1958	1666	1417	1203	1018	858	718	492	326
DROP INCHES		.00	-.26	-1.09	-2.61	-4.93	-8.20	-12.59	-25.69	-46.75
BULLET PATH	(100 YDS)	-1.50	-.46	.00	-.22	-1.24	-3.22	-6.32	-16.82	-35.29
INCHES	(150 YDS)	-1.50	-.39	.15	.00	-.95	-2.85	-5.87	-16.23	-34.55
(ZERO RANGE)	(200 YDS)	-1.50	-.15	.62	.71	.00	-1.66	-4.45	-14.33	-32.18
	(250 YDS)	-1.50	.18	1.29	1.71	1.33	.00	-2.46	-11.68	-28.85
MPBR ZERO	(285 YDS)	-1.50	.46	1.84	2.55	2.44	1.39	-.78	-9.45	-26.07
WIND DRIFT	(10 MPH)	.00	.26	1.07	2.48	4.56	7.37	11.01	21.25	36.48
INCHES	(20 MPH)	.00	.52	2.14	4.97	9.12	14.74	22.02	42.50	72.96

MAXIMUM POINT BLANK RANGE IS 320 YARDS. SET ZERO AT 275 YARDS.										
VELOCITY FPS		4100	3782	3486	3211	2953	2708	2475	2044	1661
ENERGY FT-LB		1865	1587	1349	1144	968	814	680	463	306
DROP INCHES		.00	-.27	-1.15	-2.74	-5.18	-8.61	-13.23	-27.03	-49.28
BULLET PATH	(100 YDS)	-1.50	-.45	.00	-.27	-1.38	-3.49	-6.79	-17.95	-37.55
INCHES	(150 YDS)	-1.50	-.36	.18	.00	-1.02	-3.04	-6.25	-17.23	-36.65
(ZERO RANGE)	(200 YDS)	-1.50	-.10	.69	.77	.00	-1.77	-4.72	-15.18	-34.09
	(250 YDS)	-1.50	.25	1.40	1.83	1.41	.00	-2.60	-12.36	-30.56
MPBR ZERO	(275 YDS)	-1.50	.46	1.81	2.45	2.24	1.03	-1.36	-10.70	-28.49
WIND DRIFT	(10 MPH)	.00	.27	1.10	2.55	4.68	7.58	11.33	21.93	37.73
INCHES	(20 MPH)	.00	.53	2.20	5.10	9.37	15.16	22.67	43.87	75.45

MAXIMUM POINT BLANK RANGE IS 315 YARDS. SET ZERO AT 270 YARDS.										
VELOCITY FPS		4000	3689	3400	3130	2877	2635	2406	1981	1608
ENERGY FT-LB		1776	1510	1283	1088	918	771	642	436	287
DROP INCHES		.00	-.28	-1.21	-2.88	-5.44	-9.06	-13.92	-28.49	-52.04
BULLET PATH	(100 YDS)	-1.50	-.43	.00	-.32	-1.53	-3.79	-7.31	-19.17	-40.01
INCHES	(150 YDS)	-1.50	-.32	.21	.00	-1.10	-3.26	-6.67	-18.31	-38.94
(ZERO RANGE)	(200 YDS)	-1.50	-.05	.77	.83	.00	-1.88	-5.01	-16.10	-36.18
	(250 YDS)	-1.50	.33	1.52	1.95	1.50	.00	-2.76	-13.10	-32.42
MPBR ZERO	(270 YDS)	-1.50	.50	1.87	2.48	2.20	.87	-1.71	-11.71	-30.68
WIND DRIFT	(10 MPH)	.00	.27	1.13	2.62	4.82	7.80	11.69	22.67	39.07
INCHES	(20 MPH)	.00	.55	2.26	5.24	9.64	15.61	23.37	45.34	78.14

MAXIMUM POINT BLANK RANGE IS 310 YARDS. SET ZERO AT 265 YARDS.										
VELOCITY FPS		3900	3596	3313	3049	2800	2562	2336	1919	1554
ENERGY FT-LB		1688	1435	1219	1032	870	729	606	409	268
DROP INCHES		.00	-.30	-1.27	-3.03	-5.73	-9.54	-14.67	-30.07	-55.05
BULLET PATH	(100 YDS)	-1.50	-.41	.00	-.38	-1.69	-4.12	-7.87	-20.50	-42.71
INCHES	(150 YDS)	-1.50	-.29	.25	.00	-1.19	-3.49	-7.11	-19.49	-41.44
(ZERO RANGE)	(200 YDS)	-1.50	.01	.85	.89	.00	-2.00	-5.33	-17.11	-38.47
	(250 YDS)	-1.50	.41	1.65	2.09	1.60	.00	-2.93	-13.91	-34.47
MPBR ZERO	(265 YDS)	-1.50	.55	1.92	2.50	2.15	.69	-2.10	-12.81	-33.10
WIND DRIFT	(10 MPH)	.00	.28	1.16	2.70	4.96	8.05	12.07	23.46	40.52
INCHES	(20 MPH)	.00	.56	2.32	5.39	9.93	16.10	24.14	46.93	81.04

MAXIMUM POINT BLANK RANGE IS 300 YARDS. SET ZERO AT 260 YARDS.

VELOCITY FPS		3800	3503	3227	2967	2722	2488	2266	1857	1502
ENERGY FT-LB		1602	1362	1156	977	822	687	570	382	250
DROP INCHES		.00	-.31	-1.34	-3.19	-6.04	-10.06	-15.49	-31.80	-58.34
BULLET PATH	(100 YDS)	-1.50	-.40	.00	-.44	-1.87	-4.47	-8.48	-21.95	-45.66
INCHES	(150 YDS)	-1.50	-.25	.29	.00	-1.28	-3.74	-7.60	-20.78	-44.20
(ZERO RANGE)	(200 YDS)	-1.50	.07	.93	.96	.00	-2.14	-5.68	-18.22	-40.99
	(250 YDS)	-1.50	.50	1.79	2.24	1.71	.00	-3.12	-14.80	-36.72
MPBR ZERO	(260 YDS)	-1.50	.60	1.98	2.53	2.10	.48	-2.54	-14.03	-35.75
WIND DRIFT	(10 MPH)	.00	.29	1.19	2.78	5.12	8.31	12.48	24.33	42.09
INCHES	(20 MPH)	.00	.58	2.39	5.56	10.24	16.63	24.96	48.66	84.17

RANGE YARDS MUZZLE 50 100 150 200 250 300 400 500

MAXIMUM POINT BLANK RANGE IS 295 YARDS. SET ZERO AT 255 YARDS.

VELOCITY FPS		3700	3410	3140	2885	2644	2414	2196	1794	1450
ENERGY FT-LB		1519	1291	1094	924	776	647	535	357	233
DROP INCHES		.00	-.33	-1.41	-3.37	-6.38	-10.63	-16.38	-33.69	-61.97
BULLET PATH	(100 YDS)	-1.50	-.38	.00	-.51	-2.06	-4.86	-9.15	-23.55	-48.92
INCHES	(150 YDS)	-1.50	-.21	.34	.00	-1.38	-4.01	-8.14	-22.20	-47.23
(ZERO RANGE)	(200 YDS)	-1.50	.14	1.03	1.04	.00	-2.28	-6.06	-19.43	-43.77
	(250 YDS)	-1.50	.60	1.94	2.41	1.83	.00	-3.32	-15.78	-39.20
MPBR ZERO	(255 YDS)	-1.50	.65	2.04	2.56	2.03	.26	-3.01	-15.37	-38.69
WIND DRIFT	(10 MPH)	.00	.30	1.23	2.87	5.29	8.60	12.93	25.27	43.78
INCHES	(20 MPH)	.00	.60	2.46	5.74	10.58	17.20	25.87	50.54	87.56

MAXIMUM POINT BLANK RANGE IS 290 YARDS. SET ZERO AT 250 YARDS.

VELOCITY FPS		3600	3317	3052	2803	2565	2339	2124	1732	1399
ENERGY FT-LB		1438	1221	1034	872	730	607	501	332	217
DROP INCHES		.00	-.35	-1.49	-3.56	-6.75	-11.25	-17.35	-35.77	-65.96
BULLET PATH	(100 YDS)	-1.50	-.35	.00	-.58	-2.27	-5.28	-9.88	-25.31	-52.50
INCHES	(150 YDS)	-1.50	-.16	.39	.00	-1.49	-4.31	-8.72	-23.76	-50.57
(ZERO RANGE)	(200 YDS)	-1.50	.21	1.13	1.12	.00	-2.44	-6.48	-20.77	-46.84
	(250 YDS)	-1.50	.70	2.11	2.59	1.96	.00	-3.55	-16.86	-41.95
MPBR ZERO	(250 YDS)	-1.50	.70	2.11	2.59	1.96	.00	-3.55	-16.86	-41.95
WIND DRIFT	(10 MPH)	.00	.31	1.27	2.96	5.48	8.92	13.43	26.30	45.61
INCHES	(20 MPH)	.00	.62	2.54	5.93	10.95	17.84	26.85	52.59	91.22

MAXIMUM POINT BLANK RANGE IS 280 YARDS. SET ZERO AT 240 YARDS.

VELOCITY FPS		3500	3223	2964	2719	2486	2263	2053	1669	1349
ENERGY FT-LB		1359	1153	975	821	686	568	468	309	202
DROP INCHES		.00	-.37	-1.58	-3.78	-7.15	-11.94	-18.42	-38.06	-70.36
BULLET PATH	(100 YDS)	-1.50	-.33	.00	-.66	-2.50	-5.74	-10.69	-27.25	-56.47
INCHES	(150 YDS)	-1.50	-.11	.44	.00	-1.62	-4.64	-9.37	-25.49	-54.28
(ZERO RANGE)	(200 YDS)	-1.50	.29	1.25	1.21	.00	-2.62	-6.94	-22.26	-50.23
	(250 YDS)	-1.50	.82	2.30	2.79	2.10	.00	-3.80	-18.06	-44.99
MPBR ZERO	(240 YDS)	-1.50	.70	2.07	2.45	1.64	-.57	-4.48	-18.97	-46.13
WIND DRIFT	(10 MPH)	.00	.32	1.32	3.07	5.68	9.27	13.97	27.42	47.59
INCHES	(20 MPH)	.00	.64	2.63	6.14	11.36	18.53	27.94	54.83	95.17

MAXIMUM POINT BLANK RANGE IS 275 YARDS. SET ZERO AT 235 YARDS.

VELOCITY FPS		3400	3130	2876	2635	2405	2188	1981	1607	1301
ENERGY FT-LB		1283	1087	918	771	642	531	435	286	188
DROP INCHES		.00	-.39	-1.67	-4.01	-7.59	-12.68	-19.60	-40.59	-75.23
BULLET PATH	(100 YDS)	-1.50	-.31	.00	-.75	-2.75	-6.25	-11.58	-29.40	-60.87
INCHES	(150 YDS)	-1.50	-.06	.50	.00	-1.75	-5.01	-10.08	-27.41	-58.38
(ZERO RANGE)	(200 YDS)	-1.50	.38	1.37	1.31	.00	-2.82	-7.46	-23.90	-54.00
	(250 YDS)	-1.50	.94	2.50	3.00	2.25	.00	-4.08	-19.39	-48.37
MPBR ZERO	(235 YDS)	-1.50	.76	2.14	2.46	1.53	-.91	-5.16	-20.84	-50.18
WIND DRIFT	(10 MPH)	.00	.33	1.36	3.19	5.91	9.65	14.56	28.64	49.71
INCHES	(20 MPH)	.00	.66	2.73	6.37	11.81	19.30	29.13	57.28	99.43

MAXIMUM POINT BLANK RANGE IS 270 YARDS. SET ZERO AT 230 YARDS.

VELOCITY FPS		3300	3036	2788	2550	2325	2111	1909	1546	1255
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ENERGY FT-LB		1208	1023	862	722	600	495	404	265	174
DROP INCHES		.00	-.42	-1.78	-4.26	-8.08	-13.51	-20.90	-43.39	-80.64
BULLET PATH	(100 YDS)	-1.50	-.28	.00	-.84	-3.02	-6.82	-12.56	-31.78	-65.75
INCHES	(150 YDS)	-1.50	.00	.56	.00	-1.90	-5.41	-10.88	-29.53	-62.94
(ZERO RANGE)	(200 YDS)	-1.50	.48	1.51	1.43	.00	-3.04	-8.03	-25.73	-58.19
	(250 YDS)	-1.50	1.09	2.73	3.25	2.43	.00	-4.38	-20.87	-52.12
MPBR ZERO	(230 YDS)	-1.50	.83	2.21	2.47	1.40	-1.29	-5.93	-22.94	-54.69
WIND DRIFT	(10 MPH)	.00	.34	1.42	3.32	6.16	10.07	15.22	29.98	52.00
INCHES	(20 MPH)	.00	.68	2.83	6.63	12.31	20.14	30.43	59.95	104.00

MAXIMUM POINT BLANK RANGE IS 260 YARDS. SET ZERO AT 225 YARDS.

VELOCITY FPS		3200	2942	2698	2465	2244	2035	1837	1486	1211
ENERGY FT-LB		1136	961	808	674	559	459	374	245	163
DROP INCHES		.00	-.44	-1.89	-4.54	-8.62	-14.42	-22.34	-46.51	-86.64
BULLET PATH	(100 YDS)	-1.50	-.25	.00	-.95	-3.33	-7.44	-13.66	-34.44	-71.18
INCHES	(150 YDS)	-1.50	.07	.63	.00	-2.07	-5.86	-11.76	-31.91	-68.02
(ZERO RANGE)	(200 YDS)	-1.50	.59	1.67	1.55	.00	-3.28	-8.66	-27.78	-62.85
	(250 YDS)	-1.50	1.24	2.98	3.52	2.62	.00	-4.73	-22.53	-56.30
MPBR ZERO	(225 YDS)	-1.50	.90	2.29	2.48	1.25	-1.72	-6.79	-25.28	-59.74
WIND DRIFT	(10 MPH)	.00	.35	1.47	3.46	6.43	10.53	15.94	31.43	54.44
INCHES	(20 MPH)	.00	.71	2.95	6.92	12.86	21.07	31.87	62.87	108.88

RANGE YARDS MUZZLE 50 100 150 200 250 300 400 500

MAXIMUM POINT BLANK RANGE IS 250 YARDS. SET ZERO AT 215 YARDS.

VELOCITY FPS		3100	2848	2608	2380	2163	1958	1765	1426	1171
ENERGY FT-LB		1066	900	755	628	519	425	346	226	152
DROP INCHES		.00	-.47	-2.02	-4.85	-9.21	-15.44	-23.94	-49.99	-93.32
BULLET PATH	(100 YDS)	-1.50	-.21	.00	-1.07	-3.67	-8.14	-14.88	-37.41	-77.22
INCHES	(150 YDS)	-1.50	.14	.71	.00	-2.25	-6.36	-12.74	-34.56	-73.67
(ZERO RANGE)	(200 YDS)	-1.50	.70	1.84	1.69	.00	-3.55	-9.37	-30.06	-68.04
	(250 YDS)	-1.50	1.41	3.26	3.82	2.84	.00	-5.11	-24.39	-60.94
MPBR ZERO	(215 YDS)	-1.50	.90	2.23	2.28	.79	-2.56	-8.18	-28.48	-66.06
WIND DRIFT	(10 MPH)	.00	.37	1.54	3.62	6.74	11.05	16.73	33.02	57.03
INCHES	(20 MPH)	.00	.74	3.08	7.24	13.48	22.10	33.46	66.04	114.07

MAXIMUM POINT BLANK RANGE IS 245 YARDS. SET ZERO AT 210 YARDS.

VELOCITY FPS		3000	2753	2517	2294	2082	1881	1694	1369	1133
ENERGY FT-LB		999	841	703	584	481	393	318	208	142
DROP INCHES		.00	-.51	-2.16	-5.19	-9.87	-16.57	-25.72	-53.87	-100.74
BULLET PATH	(100 YDS)	-1.50	-.18	.00	-1.20	-4.05	-8.92	-16.24	-40.73	-83.94
INCHES	(150 YDS)	-1.50	.22	.80	.00	-2.45	-6.92	-13.85	-37.53	-79.95
(ZERO RANGE)	(200 YDS)	-1.50	.84	2.03	1.84	.00	-3.85	-10.16	-32.62	-73.81
	(250 YDS)	-1.50	1.61	3.57	4.15	3.08	.00	-5.54	-26.46	-66.11
MPBR ZERO	(210 YDS)	-1.50	.98	2.31	2.27	.57	-3.14	-9.31	-31.49	-72.39
WIND DRIFT	(10 MPH)	.00	.39	1.61	3.80	7.08	11.62	17.60	34.74	59.76
INCHES	(20 MPH)	.00	.77	3.23	7.60	14.16	23.23	35.21	69.48	119.52

MAXIMUM POINT BLANK RANGE IS 240 YARDS. SET ZERO AT 205 YARDS.

VELOCITY FPS		2900	2657	2427	2208	2000	1805	1624	1314	1099
ENERGY FT-LB		933	784	653	541	444	361	292	191	134
DROP INCHES		.00	-.54	-2.32	-5.57	-10.61	-17.83	-27.72	-58.21	-108.99
BULLET PATH	(100 YDS)	-1.50	-.13	.00	-1.35	-4.48	-9.79	-17.77	-44.45	-91.41
INCHES	(150 YDS)	-1.50	.31	.90	.00	-2.68	-7.55	-15.08	-40.86	-86.93
(ZERO RANGE)	(200 YDS)	-1.50	.99	2.24	2.01	.00	-4.19	-11.06	-35.50	-80.22
	(250 YDS)	-1.50	1.82	3.92	4.53	3.35	.00	-6.03	-28.79	-71.84
MPBR ZERO	(205 YDS)	-1.50	1.06	2.39	2.24	.31	-3.81	-10.60	-34.88	-79.45
WIND DRIFT	(10 MPH)	.00	.41	1.70	4.00	7.46	12.25	18.56	36.60	62.60
INCHES	(20 MPH)	.00	.81	3.39	7.99	14.91	24.49	37.13	73.19	125.20

MAXIMUM POINT BLANK RANGE IS 235 YARDS. SET ZERO AT 200 YARDS.

VELOCITY FPS		2800	2562	2336	2121	1919	1729	1554	1261	1068
ENERGY FT-LB		870	728	605	499	408	331	268	176	126
DROP INCHES		.00	-.58	-2.49	-6.00	-11.44	-19.24	-29.96	-63.09	-118.17
BULLET PATH	(100 YDS)	-1.50	-.09	.00	-1.51	-4.96	-10.77	-19.49	-48.63	-99.72

INCHES	(150 YDS)	-1.50	.42	1.01	.00	-2.94	-8.25	-16.47	-44.60	-94.68
(ZERO RANGE)	(200 YDS)	-1.50	1.15	2.48	2.21	.00	-4.57	-12.06	-38.72	-87.33
	(250 YDS)	-1.50	2.07	4.31	4.95	3.66	.00	-6.57	-31.40	-78.18
MPBR ZERO	(200 YDS)	-1.50	1.15	2.48	2.21	.00	-4.57	-12.06	-38.72	-87.33
WIND DRIFT	(10 MPH)	.00	.43	1.79	4.22	7.88	12.94	19.62	38.59	65.52
INCHES	(20 MPH)	.00	.86	3.58	8.44	15.75	25.88	39.24	77.18	131.05

MAXIMUM POINT BLANK RANGE IS 225 YARDS. SET ZERO AT 190 YARDS.

VELOCITY FPS		2700	2467	2246	2036	1838	1655	1487	1212	1040
ENERGY FT-LB		809	675	560	460	375	304	245	163	120
DROP INCHES		.00	-.63	-2.68	-6.47	-12.35	-20.82	-32.46	-68.51	-128.23
BULLET PATH	(100 YDS)	-1.50	-.03	.00	-1.69	-5.49	-11.86	-21.41	-53.27	-108.82
INCHES	(150 YDS)	-1.50	.53	1.13	.00	-3.23	-9.04	-18.03	-48.76	-103.17
(ZERO RANGE)	(200 YDS)	-1.50	1.34	2.74	2.42	.00	-5.00	-13.18	-42.30	-95.10
	(250 YDS)	-1.50	2.34	4.74	5.42	4.00	.00	-7.18	-34.30	-85.10
MPBR ZERO	(190 YDS)	-1.50	1.16	2.39	1.89	-.71	-5.89	-14.25	-43.72	-96.87
WIND DRIFT	(10 MPH)	.00	.45	1.89	4.45	8.32	13.68	20.74	40.66	68.42
INCHES	(20 MPH)	.00	.90	3.78	8.91	16.64	27.36	41.47	81.32	136.85

MAXIMUM POINT BLANK RANGE IS 215 YARDS. SET ZERO AT 185 YARDS.

VELOCITY FPS		2600	2372	2156	1951	1759	1581	1421	1167	1015
ENERGY FT-LB		750	624	515	422	343	277	224	151	114
DROP INCHES		.00	-.68	-2.90	-7.00	-13.39	-22.59	-35.28	-74.59	-139.37
BULLET PATH	(100 YDS)	-1.50	.02	.00	-1.90	-6.09	-13.09	-23.58	-58.48	-118.86
INCHES	(150 YDS)	-1.50	.66	1.27	.00	-3.55	-9.93	-19.78	-53.42	-112.53
(ZERO RANGE)	(200 YDS)	-1.50	1.55	3.04	2.67	.00	-5.48	-14.45	-46.31	-103.65
	(250 YDS)	-1.50	2.64	5.24	5.96	4.39	.00	-7.87	-37.54	-92.68
MPBR ZERO	(185 YDS)	-1.50	1.26	2.47	1.80	-1.16	-6.93	-16.18	-48.62	-106.54
WIND DRIFT	(10 MPH)	.00	.48	2.00	4.71	8.81	14.49	21.95	42.83	71.32
INCHES	(20 MPH)	.00	.95	3.99	9.43	17.62	28.97	43.90	85.66	142.64

RANGE	YARDS	MUZZLE	50	100	150	200	250	300	400	500
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MAXIMUM POINT BLANK RANGE IS 210 YARDS. SET ZERO AT 180 YARDS.

VELOCITY FPS		2500	2277	2065	1866	1680	1510	1358	1126	991
ENERGY FT-LB		693	575	473	386	313	253	204	140	109
DROP INCHES		.00	-.73	-3.15	-7.60	-14.56	-24.60	-38.47	-81.40	-151.65
BULLET PATH	(100 YDS)	-1.50	.09	.00	-2.13	-6.77	-14.49	-26.03	-64.32	-129.93
INCHES	(150 YDS)	-1.50	.80	1.42	.00	-3.92	-10.93	-21.77	-58.64	-122.82
(ZERO RANGE)	(200 YDS)	-1.50	1.78	3.38	2.94	.00	-6.03	-15.88	-50.79	-113.01
	(250 YDS)	-1.50	2.99	5.79	6.56	4.82	.00	-8.65	-41.15	-100.96
MPBR ZERO	(180 YDS)	-1.50	1.36	2.54	1.68	-1.68	-8.13	-18.40	-54.15	-117.21
WIND DRIFT	(10 MPH)	.00	.50	2.12	5.00	9.35	15.37	23.26	45.07	74.18
INCHES	(20 MPH)	.00	1.01	4.23	10.00	18.70	30.74	46.51	90.14	148.35

MAXIMUM POINT BLANK RANGE IS 200 YARDS. SET ZERO AT 170 YARDS.

VELOCITY FPS		2400	2182	1976	1782	1603	1440	1298	1089	969
ENERGY FT-LB		639	528	433	352	285	230	187	131	104
DROP INCHES		.00	-.80	-3.42	-8.28	-15.88	-26.87	-42.07	-89.03	-165.15
BULLET PATH	(100 YDS)	-1.50	.16	.00	-2.40	-7.54	-16.07	-28.81	-70.85	-142.04
INCHES	(150 YDS)	-1.50	.96	1.60	.00	-4.34	-12.08	-24.01	-64.46	-134.05
(ZERO RANGE)	(200 YDS)	-1.50	2.05	3.77	3.26	.00	-6.65	-17.50	-55.77	-123.20
	(250 YDS)	-1.50	3.38	6.43	7.25	5.32	.00	-9.52	-45.14	-109.90
MPBR ZERO	(170 YDS)	-1.50	1.37	2.41	1.21	-2.72	-10.05	-21.59	-61.22	-130.01
WIND DRIFT	(10 MPH)	.00	.54	2.25	5.32	9.94	16.32	24.65	47.33	76.92
INCHES	(20 MPH)	.00	1.07	4.50	10.63	19.88	32.64	49.29	94.66	153.85

MAXIMUM POINT BLANK RANGE IS 195 YARDS. SET ZERO AT 165 YARDS.

VELOCITY FPS		2300	2087	1886	1699	1527	1373	1241	1056	948
ENERGY FT-LB		587	483	395	320	258	209	171	123	99
DROP INCHES		.00	-.87	-3.74	-9.05	-17.39	-29.46	-46.16	-97.57	-179.97
BULLET PATH	(100 YDS)	-1.50	.25	.00	-2.70	-8.41	-17.87	-31.95	-78.12	-155.29
INCHES	(150 YDS)	-1.50	1.15	1.80	.00	-4.82	-13.38	-26.55	-70.93	-146.30
(ZERO RANGE)	(200 YDS)	-1.50	2.35	4.21	3.61	.00	-7.36	-19.33	-61.29	-134.26
	(250 YDS)	-1.50	3.82	7.15	8.03	5.88	.00	-10.50	-49.53	-119.55

MPBR ZERO	(165 YDS)	-1.50	1.48	2.46	1.00	-3.49	-11.71	-24.56	-68.26	-142.97
WIND DRIFT	(10 MPH)	.00	.57	2.40	5.66	10.58	17.34	26.11	49.56	79.53
INCHES	(20 MPH)	.00	1.14	4.79	11.33	21.16	34.69	52.22	99.12	159.05

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

VELOCITY FPS		2200	1992	1798	1617	1453	1309	1189	1027	929
ENERGY FT-LB		537	440	358	290	234	190	156	117	95
DROP INCHES		.00	-.95	-4.09	-9.93	-19.11	-32.41	-50.80	107.08	-196.18
BULLET PATH	(100 YDS)	-1.50	.35	.00	-3.04	-9.42	-19.93	-35.51	-86.20	-169.71
INCHES	(150 YDS)	-1.50	1.36	2.03	.00	-5.36	-14.85	-29.43	-78.09	-159.57
(ZERO RANGE)	(200 YDS)	-1.50	2.70	4.71	4.02	.00	-8.15	-21.38	-67.36	-146.16
	(250 YDS)	-1.50	4.33	7.97	8.91	6.52	.00	-11.60	-54.32	-129.86
MPBR ZERO	(160 YDS)	-1.50	1.61	2.52	.73	-4.38	-13.63	-27.96	-76.13	-157.12
WIND DRIFT	(10 MPH)	.00	.61	2.56	6.04	11.27	18.43	27.62	51.70	81.92
INCHES	(20 MPH)	.00	1.22	5.11	12.08	22.54	36.86	55.24	103.41	163.83

MAXIMUM POINT BLANK RANGE IS 180 YARDS. SET ZERO AT 150 YARDS.

VELOCITY FPS		2100	1898	1710	1537	1381	1248	1141	1000	910
ENERGY FT-LB		489	400	324	262	212	173	144	111	91
DROP INCHES		.00	-1.04	-4.51	-10.95	-21.08	-35.78	-56.06	117.65	-213.87
BULLET PATH	(100 YDS)	-1.50	.46	.00	-3.44	-10.57	-22.26	-39.54	-95.12	-185.34
INCHES	(150 YDS)	-1.50	1.61	2.29	.00	-5.99	-16.53	-32.66	-85.95	-173.88
(ZERO RANGE)	(200 YDS)	-1.50	3.10	5.29	4.49	.00	-9.05	-23.68	-73.98	-158.91
	(250 YDS)	-1.50	4.91	8.91	9.92	7.24	.00	-12.82	-59.50	-140.81
MPBR ZERO	(150 YDS)	-1.50	1.61	2.29	.00	-5.99	-16.53	-32.66	-85.95	-173.88
WIND DRIFT	(10 MPH)	.00	.65	2.73	6.45	12.01	19.55	29.13	53.68	84.02
INCHES	(20 MPH)	.00	1.30	5.47	12.90	24.01	39.11	58.26	107.37	168.05

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

VELOCITY FPS		2000	1804	1623	1458	1313	1192	1098	975	891
ENERGY FT-LB		444	361	292	236	191	157	134	105	88
DROP INCHES		.00	-1.15	-4.98	-12.12	-23.36	-39.64	-62.02	129.36	-233.14
BULLET PATH	(100 YDS)	-1.50	.59	.00	-3.90	-11.89	-24.93	-44.08	104.93	-202.23
INCHES	(150 YDS)	-1.50	1.89	2.60	.00	-6.70	-18.44	-36.29	-94.54	-189.24
(ZERO RANGE)	(200 YDS)	-1.50	3.56	5.95	5.02	.00	-10.07	-26.24	-81.15	-172.50
	(250 YDS)	-1.50	5.57	9.97	11.06	8.05	.00	-14.16	-65.04	-152.37
MPBR ZERO	(145 YDS)	-1.50	1.74	2.30	-.45	-7.29	-19.18	-37.18	-95.73	-190.73
WIND DRIFT	(10 MPH)	.00	.70	2.92	6.89	12.77	20.69	30.59	55.43	85.78
INCHES	(20 MPH)	.00	1.39	5.85	13.78	25.55	41.39	61.19	110.86	171.55