

.224 Dia., 45 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		4500	4098	3731	3393	3081	2791	2523	2033	1617
ENERGY FT-LB		2023	1678	1390	1150	948	778	636	413	261
DROP INCHES		.00	-.23	-.97	-2.34	-4.47	-7.51	-11.67	-24.42	-45.72
BULLET PATH	(100 YDS)	-1.50	-.49	.00	-.13	-1.03	-2.83	-5.76	-16.04	-34.86
INCHES	(150 YDS)	-1.50	-.45	.09	.00	-.85	-2.61	-5.49	-15.68	-34.41
(ZERO RANGE)	(200 YDS)	-1.50	-.23	.51	.63	.00	-1.55	-4.22	-13.99	-32.30
	(250 YDS)	-1.50	.08	1.13	1.57	1.24	.00	-2.36	-11.50	-29.20
MPBR ZERO	(290 YDS)	-1.50	.38	1.75	2.49	2.47	1.54	-.51	-9.04	-26.12
WIND DRIFT	(10 MPH)	.00	.28	1.17	2.72	5.02	8.16	12.24	23.81	41.22
INCHES	(20 MPH)	.00	.57	2.34	5.45	10.04	16.31	24.47	47.63	82.45

MAXIMUM POINT BLANK RANGE IS 330 YARDS. SET ZERO AT 285 YARDS.										
VELOCITY FPS		4400	4007	3647	3316	3010	2725	2461	1979	1572
ENERGY FT-LB		1934	1604	1329	1098	905	742	605	391	246
DROP INCHES		.00	-.24	-1.02	-2.45	-4.67	-7.86	-12.22	-25.60	-48.00
BULLET PATH	(100 YDS)	-1.50	-.48	.00	-.18	-1.14	-3.07	-6.17	-17.04	-36.92
INCHES	(150 YDS)	-1.50	-.42	.12	.00	-.91	-2.78	-5.82	-16.57	-36.34
(ZERO RANGE)	(200 YDS)	-1.50	-.19	.57	.68	.00	-1.64	-4.46	-14.75	-34.07
	(250 YDS)	-1.50	.14	1.23	1.67	1.31	.00	-2.49	-12.12	-30.78
MPBR ZERO	(285 YDS)	-1.50	.42	1.79	2.51	2.44	1.41	-.80	-9.87	-27.97
WIND DRIFT	(10 MPH)	.00	.29	1.20	2.79	5.15	8.37	12.56	24.49	42.45
INCHES	(20 MPH)	.00	.58	2.39	5.58	10.29	16.73	25.12	48.98	84.91

MAXIMUM POINT BLANK RANGE IS 325 YARDS. SET ZERO AT 280 YARDS.										
VELOCITY FPS		4300	3915	3563	3238	2937	2659	2399	1925	1527
ENERGY FT-LB		1847	1531	1268	1048	862	706	574	370	233
DROP INCHES		.00	-.25	-1.06	-2.56	-4.90	-8.24	-12.81	-26.87	-50.47
BULLET PATH	(100 YDS)	-1.50	-.47	.00	-.22	-1.27	-3.33	-6.62	-18.11	-39.15
INCHES	(150 YDS)	-1.50	-.39	.15	.00	-.98	-2.96	-6.18	-17.53	-38.42
(ZERO RANGE)	(200 YDS)	-1.50	-.15	.63	.73	.00	-1.74	-4.72	-15.58	-35.98
	(250 YDS)	-1.50	.20	1.33	1.78	1.39	.00	-2.63	-12.79	-32.49
MPBR ZERO	(280 YDS)	-1.50	.45	1.84	2.53	2.40	1.26	-1.11	-10.77	-29.97
WIND DRIFT	(10 MPH)	.00	.30	1.23	2.86	5.28	8.59	12.90	25.21	43.76
INCHES	(20 MPH)	.00	.59	2.45	5.72	10.56	17.18	25.81	50.42	87.52

MAXIMUM POINT BLANK RANGE IS 315 YARDS. SET ZERO AT 275 YARDS.										
VELOCITY FPS		4200	3824	3479	3161	2865	2592	2335	1871	1482
ENERGY FT-LB		1762	1460	1209	998	820	671	545	349	219
DROP INCHES		.00	-.26	-1.11	-2.69	-5.14	-8.64	-13.45	-28.24	-53.14
BULLET PATH	(100 YDS)	-1.50	-.45	.00	-.27	-1.41	-3.61	-7.10	-19.28	-41.57
INCHES	(150 YDS)	-1.50	-.36	.18	.00	-1.05	-3.16	-6.57	-18.57	-40.68
(ZERO RANGE)	(200 YDS)	-1.50	-.10	.70	.79	.00	-1.85	-4.99	-16.47	-38.05
	(250 YDS)	-1.50	.27	1.44	1.90	1.48	.00	-2.78	-13.51	-34.35
MPBR ZERO	(275 YDS)	-1.50	.49	1.88	2.56	2.36	1.10	-1.46	-11.75	-32.16
WIND DRIFT	(10 MPH)	.00	.30	1.26	2.93	5.42	8.83	13.27	25.98	45.15
INCHES	(20 MPH)	.00	.61	2.52	5.87	10.84	17.65	26.54	51.95	90.30

MAXIMUM POINT BLANK RANGE IS 310 YARDS. SET ZERO AT 270 YARDS.										
VELOCITY FPS		4100	3732	3394	3082	2792	2524	2272	1817	1438
ENERGY FT-LB		1679	1391	1151	949	778	636	515	329	206
DROP INCHES		.00	-.27	-1.17	-2.82	-5.39	-9.08	-14.13	-29.73	-56.04
BULLET PATH	(100 YDS)	-1.50	-.44	.00	-.32	-1.55	-3.90	-7.62	-20.55	-44.19
INCHES	(150 YDS)	-1.50	-.33	.21	.00	-1.13	-3.37	-6.99	-19.70	-43.13
(ZERO RANGE)	(200 YDS)	-1.50	-.05	.78	.85	.00	-1.96	-5.29	-17.44	-40.31
	(250 YDS)	-1.50	.34	1.56	2.02	1.57	.00	-2.94	-14.30	-36.38
MPBR ZERO	(270 YDS)	-1.50	.53	1.93	2.58	2.31	.92	-1.83	-12.83	-34.54
WIND DRIFT	(10 MPH)	.00	.31	1.29	3.01	5.57	9.08	13.66	26.80	46.64
INCHES	(20 MPH)	.00	.62	2.58	6.03	11.15	18.16	27.33	53.60	93.27

MAXIMUM POINT BLANK RANGE IS 305 YARDS. SET ZERO AT 265 YARDS.

VELOCITY FPS		4000	3640	3310	3004	2720	2456	2208	1763	1395
ENERGY FT-LB		1598	1324	1094	901	739	602	487	310	194
DROP INCHES		.00	-.29	-1.23	-2.97	-5.67	-9.55	-14.88	-31.34	-59.20
BULLET PATH	(100 YDS)	-1.50	-.42	.00	-.37	-1.71	-4.23	-8.19	-21.92	-47.05
INCHES	(150 YDS)	-1.50	-.30	.25	.00	-1.21	-3.61	-7.44	-20.93	-45.80
(ZERO RANGE)	(200 YDS)	-1.50	.01	.86	.91	.00	-2.09	-5.62	-18.50	-42.77
	(250 YDS)	-1.50	.42	1.69	2.16	1.67	.00	-3.11	-15.16	-38.59
MPBR ZERO	(265 YDS)	-1.50	.57	1.98	2.60	2.25	.73	-2.24	-14.00	-37.14
WIND DRIFT	(10 MPH)	.00	.32	1.33	3.10	5.74	9.35	14.08	27.68	48.22
INCHES	(20 MPH)	.00	.64	2.65	6.20	11.47	18.70	28.17	55.36	96.44

RANGE YARDS MUZZLE 50 100 150 200 250 300 400 500

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

VELOCITY FPS		3900	3548	3225	2925	2647	2388	2143	1708	1352
ENERGY FT-LB		1519	1258	1039	855	700	569	459	291	182
DROP INCHES		.00	-.30	-1.29	-3.12	-5.97	-10.06	-15.68	-33.09	-62.63
BULLET PATH	(100 YDS)	-1.50	-.40	.00	-.43	-1.88	-4.58	-8.80	-23.42	-50.16
INCHES	(150 YDS)	-1.50	-.26	.29	.00	-1.31	-3.86	-7.93	-22.26	-48.72
(ZERO RANGE)	(200 YDS)	-1.50	.07	.94	.98	.00	-2.22	-5.97	-19.65	-45.45
	(250 YDS)	-1.50	.51	1.83	2.31	1.78	.00	-3.31	-16.09	-41.01
MPBR ZERO	(260 YDS)	-1.50	.61	2.03	2.62	2.19	.51	-2.70	-15.28	-39.99
WIND DRIFT	(10 MPH)	.00	.33	1.36	3.19	5.91	9.64	14.54	28.62	49.90
INCHES	(20 MPH)	.00	.66	2.73	6.38	11.82	19.28	29.08	57.25	99.81

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

VELOCITY FPS		3800	3456	3140	2846	2574	2319	2078	1654	1311
ENERGY FT-LB		1442	1193	985	809	662	537	431	273	171
DROP INCHES		.00	-.32	-1.36	-3.29	-6.30	-10.62	-16.56	-35.01	-66.39
BULLET PATH	(100 YDS)	-1.50	-.39	.00	-.50	-2.07	-4.96	-9.47	-25.05	-53.57
INCHES	(150 YDS)	-1.50	-.22	.33	.00	-1.41	-4.13	-8.47	-23.72	-51.91
(ZERO RANGE)	(200 YDS)	-1.50	.13	1.04	1.06	.00	-2.37	-6.36	-20.91	-48.40
	(250 YDS)	-1.50	.61	1.98	2.48	1.90	.00	-3.52	-17.12	-43.65
MPBR ZERO	(250 YDS)	-1.50	.61	1.98	2.48	1.90	.00	-3.52	-17.12	-43.65
WIND DRIFT	(10 MPH)	.00	.34	1.41	3.29	6.10	9.95	15.03	29.64	51.71
INCHES	(20 MPH)	.00	.68	2.81	6.58	12.19	19.91	30.06	59.29	103.41

MAXIMUM POINT BLANK RANGE IS 285 YARDS. SET ZERO AT 245 YARDS.

VELOCITY FPS		3700	3364	3055	2766	2500	2249	2013	1600	1271
ENERGY FT-LB		1367	1131	932	764	624	505	404	255	161
DROP INCHES		.00	-.33	-1.44	-3.48	-6.65	-11.22	-17.51	-37.10	-70.50
BULLET PATH	(100 YDS)	-1.50	-.37	.00	-.57	-2.27	-5.37	-10.20	-26.84	-57.30
INCHES	(150 YDS)	-1.50	-.18	.38	.00	-1.52	-4.43	-9.06	-25.33	-55.41
(ZERO RANGE)	(200 YDS)	-1.50	.20	1.14	1.14	.00	-2.53	-6.79	-22.29	-51.62
	(250 YDS)	-1.50	.71	2.15	2.66	2.03	.00	-3.75	-18.24	-46.56
MPBR ZERO	(245 YDS)	-1.50	.65	2.04	2.49	1.80	-.28	-4.08	-18.69	-47.12
WIND DRIFT	(10 MPH)	.00	.35	1.45	3.40	6.30	10.29	15.56	30.74	53.62
INCHES	(20 MPH)	.00	.70	2.90	6.79	12.60	20.59	31.13	61.48	107.25

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

VELOCITY FPS		3600	3272	2969	2688	2426	2179	1948	1546	1232
ENERGY FT-LB		1294	1070	880	721	588	474	379	239	151
DROP INCHES		.00	-.35	-1.52	-3.68	-7.04	-11.88	-18.56	-39.39	-75.00
BULLET PATH	(100 YDS)	-1.50	-.34	.00	-.64	-2.50	-5.83	-10.99	-28.80	-61.40
INCHES	(150 YDS)	-1.50	-.13	.43	.00	-1.64	-4.75	-9.70	-27.08	-59.25
(ZERO RANGE)	(200 YDS)	-1.50	.28	1.25	1.23	.00	-2.71	-7.25	-23.81	-55.16
	(250 YDS)	-1.50	.82	2.33	2.85	2.17	.00	-4.00	-19.48	-49.75
MPBR ZERO	(240 YDS)	-1.50	.70	2.09	2.50	1.69	-.59	-4.71	-20.43	-50.93
WIND DRIFT	(10 MPH)	.00	.36	1.50	3.51	6.51	10.66	16.14	31.92	55.66
INCHES	(20 MPH)	.00	.72	2.99	7.02	13.03	21.32	32.28	63.84	111.33

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

VELOCITY FPS		3500	3180	2883	2608	2351	2109	1884	1493	1195
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ENERGY FT-LB		1223	1010	830	679	552	444	354	222	142
DROP INCHES		.00	-.37	-1.61	-3.89	-7.46	-12.60	-19.70	-41.90	-79.95
BULLET PATH	(100 YDS)	-1.50	-.32	.00	-.73	-2.74	-6.32	-11.87	-30.96	-65.90
INCHES	(150 YDS)	-1.50	-.08	.49	.00	-1.77	-5.11	-10.41	-29.02	-63.47
(ZERO RANGE)	(200 YDS)	-1.50	.36	1.37	1.32	.00	-2.90	-7.76	-25.49	-59.06
	(250 YDS)	-1.50	.95	2.53	3.07	2.32	.00	-4.28	-20.85	-53.25
MPBR ZERO	(235 YDS)	-1.50	.76	2.15	2.50	1.57	-.94	-5.41	-22.35	-55.13
WIND DRIFT	(10 MPH)	.00	.37	1.55	3.63	6.75	11.06	16.77	33.20	57.82
INCHES	(20 MPH)	.00	.74	3.10	7.27	13.50	22.12	33.53	66.39	115.64

MAXIMUM POINT BLANK RANGE IS 265 YARDS. SET ZERO AT 230 YARDS.

VELOCITY FPS		3400	3087	2796	2528	2276	2038	1820	1441	1160
ENERGY FT-LB		1154	952	781	638	517	415	331	207	134
DROP INCHES		.00	-.40	-1.71	-4.13	-7.92	-13.39	-20.96	-44.68	-85.38
BULLET PATH	(100 YDS)	-1.50	-.29	.00	-.82	-3.00	-6.87	-12.83	-33.35	-70.85
INCHES	(150 YDS)	-1.50	-.02	.55	.00	-1.91	-5.50	-11.19	-31.16	-68.11
(ZERO RANGE)	(200 YDS)	-1.50	.46	1.50	1.43	.00	-3.12	-8.33	-27.34	-63.34
	(250 YDS)	-1.50	1.08	2.75	3.30	2.49	.00	-4.59	-22.36	-57.11
MPBR ZERO	(230 YDS)	-1.50	.81	2.22	2.50	1.43	-1.33	-6.19	-24.48	-59.76
WIND DRIFT	(10 MPH)	.00	.38	1.61	3.77	7.01	11.50	17.44	34.57	60.09
INCHES	(20 MPH)	.00	.77	3.21	7.54	14.01	23.00	34.89	69.13	120.18

RANGE	YARDS	MUZZLE	50	100	150	200	250	300	400	500
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MAXIMUM POINT BLANK RANGE IS 260 YARDS. SET ZERO AT 225 YARDS.

VELOCITY FPS		3300	2994	2711	2448	2200	1967	1756	1390	1128
ENERGY FT-LB		1087	896	734	598	483	386	308	193	127
DROP INCHES		.00	-.42	-1.81	-4.39	-8.43	-14.26	-22.34	-47.75	-91.37
BULLET PATH	(100 YDS)	-1.50	-.26	.00	-.92	-3.30	-7.47	-13.90	-35.99	-76.30
INCHES	(150 YDS)	-1.50	.04	.61	.00	-2.07	-5.94	-12.06	-33.53	-73.23
(ZERO RANGE)	(200 YDS)	-1.50	.56	1.65	1.55	.00	-3.35	-8.96	-29.39	-68.06
	(250 YDS)	-1.50	1.23	2.99	3.56	2.68	.00	-4.93	-24.03	-61.36
MPBR ZERO	(225 YDS)	-1.50	.88	2.28	2.50	1.27	-1.77	-7.06	-26.86	-64.89
WIND DRIFT	(10 MPH)	.00	.40	1.67	3.91	7.29	11.98	18.18	36.05	62.49
INCHES	(20 MPH)	.00	.80	3.33	7.83	14.58	23.96	36.36	72.10	124.97

MAXIMUM POINT BLANK RANGE IS 255 YARDS. SET ZERO AT 220 YARDS.

VELOCITY FPS		3200	2901	2625	2367	2124	1898	1692	1340	1098
ENERGY FT-LB		1023	841	688	559	450	360	286	179	120
DROP INCHES		.00	-.45	-1.93	-4.68	-8.98	-15.22	-23.88	-51.13	-97.95
BULLET PATH	(100 YDS)	-1.50	-.23	.00	-1.03	-3.62	-8.14	-15.08	-38.91	-82.29
INCHES	(150 YDS)	-1.50	.11	.69	.00	-2.24	-6.42	-13.02	-36.15	-78.86
(ZERO RANGE)	(200 YDS)	-1.50	.67	1.81	1.68	.00	-3.62	-9.65	-31.67	-73.25
	(250 YDS)	-1.50	1.40	3.26	3.85	2.89	.00	-5.31	-25.88	-66.02
MPBR ZERO	(220 YDS)	-1.50	.94	2.35	2.49	1.08	-2.26	-8.03	-29.50	-70.54
WIND DRIFT	(10 MPH)	.00	.42	1.73	4.07	7.59	12.50	18.98	37.63	64.97
INCHES	(20 MPH)	.00	.83	3.47	8.14	15.19	25.00	37.96	75.27	129.94

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

VELOCITY FPS		3100	2808	2539	2286	2047	1829	1628	1291	1071
ENERGY FT-LB		960	787	644	522	418	334	265	166	114
DROP INCHES		.00	-.48	-2.06	-5.00	-9.60	-16.28	-25.57	-54.89	-105.20
BULLET PATH	(100 YDS)	-1.50	-.20	.00	-1.15	-3.98	-8.88	-16.39	-42.14	-88.89
INCHES	(150 YDS)	-1.50	.19	.77	.00	-2.44	-6.96	-14.08	-39.07	-85.05
(ZERO RANGE)	(200 YDS)	-1.50	.80	1.99	1.83	.00	-3.91	-10.42	-34.19	-78.95
	(250 YDS)	-1.50	1.58	3.55	4.17	3.13	.00	-5.73	-27.94	-71.14
MPBR ZERO	(210 YDS)	-1.50	.94	2.27	2.26	.57	-3.19	-9.57	-33.05	-77.52
WIND DRIFT	(10 MPH)	.00	.43	1.80	4.24	7.93	13.06	19.84	39.33	67.53
INCHES	(2 MPH)	.00	.87	3.61	8.49	15.86	26.12	39.69	78.67	135.07

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

VELOCITY FPS		3000	2716	2452	2204	1971	1760	1565	1245	1046
ENERGY FT-LB		899	737	601	485	388	309	244	155	109
DROP INCHES		.00	-.51	-2.20	-5.34	-10.28	-17.46	-27.45	-59.05	-113.16
BULLET PATH	(100 YDS)	-1.50	-.16	.00	-1.29	-4.37	-9.70	-17.84	-45.74	-96.14

INCHES	(150 YDS)	-1.50	.27	.86	.00	-2.65	-7.55	-15.26	-42.30	-91.84
(ZERO RANGE)	(200 YDS)	-1.50	.93	2.19	1.99	.00	-4.23	-11.28	-36.99	-85.21
	(250 YDS)	-1.50	1.78	3.88	4.53	3.39	.00	-6.20	-30.22	-76.74
MPBR ZERO	(205 YDS)	-1.50	1.01	2.34	2.22	.31	-3.85	-10.82	-36.38	-84.44
WIND DRIFT	(10 MPH)	.00	.45	1.88	4.43	8.30	13.67	20.78	41.14	70.16
INCHES	(20 MPH)	.00	.90	3.76	8.87	16.60	27.34	41.56	82.27	140.31

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

VELOCITY FPS		2900	2624	2366	2122	1897	1691	1503	1202	1022
ENERGY FT-LB		840	687	559	450	359	285	225	144	104
DROP INCHES		.00	-.55	-2.36	-5.73	-11.04	-18.77	-29.55	-63.68	-121.90
BULLET PATH	(100 YDS)	-1.50	-.12	.00	-1.44	-4.82	-10.62	-19.46	-49.74	-104.09
INCHES	(150 YDS)	-1.50	.36	.96	.00	-2.90	-8.21	-16.58	-45.90	-99.29
(ZERO RANGE)	(200 YDS)	-1.50	1.09	2.41	2.17	.00	-4.59	-12.24	-40.11	-92.05
	(250 YDS)	-1.50	2.01	4.25	4.93	3.68	.00	-6.72	-32.76	-82.86
MPBR ZERO	(200 YDS)	-1.50	1.09	2.41	2.17	.00	-4.59	-12.24	-40.11	-92.05
WIND DRIFT	(10 MPH)	.00	.47	1.96	4.64	8.70	14.34	21.79	43.04	72.81
INCHES	(20 MPH)	.00	.94	3.92	9.28	17.40	28.67	43.59	86.08	145.62

MAXIMUM POINT BLANK RANGE IS 225 YARDS. SET ZERO AT 195 YARDS.

VELOCITY FPS		2800	2531	2279	2040	1823	1623	1443	1162	1001
ENERGY FT-LB		783	640	518	416	332	263	208	134	100
DROP INCHES		.00	-.59	-2.53	-6.16	-11.88	-20.22	-31.88	-68.82	-131.46
BULLET PATH	(100 YDS)	-1.50	-.07	.00	-1.61	-5.31	-11.64	-21.28	-54.18	-112.79
INCHES	(150 YDS)	-1.50	.47	1.07	.00	-3.17	-8.96	-18.06	-49.89	-107.43
(ZERO RANGE)	(200 YDS)	-1.50	1.26	2.66	2.37	.00	-5.00	-13.31	-43.56	-99.51
	(250 YDS)	-1.50	2.26	4.66	5.37	4.00	.00	-7.31	-35.56	-89.51
MPBR ZERO	(195 YDS)	-1.50	1.17	2.48	2.11	-.35	-5.44	-13.84	-44.27	-100.40
WIND DRIFT	(10 MPH)	.00	.49	2.05	4.86	9.13	15.05	22.88	45.03	75.46
INCHES	(20 MPH)	.00	.98	4.10	9.73	18.25	30.10	45.76	90.06	150.93

RANGE	YARDS	MUZZLE	50	100	150	200	250	300	400	500
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MAXIMUM POINT BLANK RANGE IS 215 YARDS. SET ZERO AT 185 YARDS.

VELOCITY FPS		2700	2437	2190	1958	1747	1554	1383	1124	980
ENERGY FT-LB		728	593	479	383	305	241	191	126	96
DROP INCHES		.00	-.63	-2.73	-6.65	-12.84	-21.89	-34.54	-74.65	-142.14
BULLET PATH	(100 YDS)	-1.50	-.02	.00	-1.80	-5.88	-12.81	-23.35	-59.22	-122.48
INCHES	(150 YDS)	-1.50	.58	1.20	.00	-3.47	-9.80	-19.74	-54.41	-116.47
(ZERO RANGE)	(200 YDS)	-1.50	1.45	2.94	2.61	.00	-5.46	-14.53	-47.47	-107.79
	(250 YDS)	-1.50	2.54	5.12	5.88	4.37	.00	-7.98	-38.73	-96.87
MPBR ZERO	(185 YDS)	-1.50	1.17	2.37	1.75	-1.14	-6.88	-16.24	-49.74	-110.63
WIND DRIFT	(10 MPH)	.00	.51	2.16	5.13	9.63	15.87	24.11	47.17	78.21
INCHES	(20 MPH)	.00	1.03	4.32	10.27	19.26	31.74	48.21	94.35	156.42

MAXIMUM POINT BLANK RANGE IS 210 YARDS. SET ZERO AT 180 YARDS.

VELOCITY FPS		2600	2343	2101	1877	1673	1487	1325	1090	960
ENERGY FT-LB		675	548	441	352	279	221	175	118	92
DROP INCHES		.00	-.68	-2.95	-7.20	-13.92	-23.75	-37.53	-81.13	-153.82
BULLET PATH	(100 YDS)	-1.50	.04	.00	-2.02	-6.51	-14.12	-25.67	-64.81	-133.06
INCHES	(150 YDS)	-1.50	.72	1.35	.00	-3.82	-10.75	-21.63	-59.43	-126.32
(ZERO RANGE)	(200 YDS)	-1.50	1.67	3.26	2.86	.00	-5.98	-15.90	-51.79	-116.78
	(250 YDS)	-1.50	2.87	5.65	6.45	4.78	.00	-8.73	-42.22	-104.82
MPBR ZERO	(180 YDS)	-1.50	1.26	2.43	1.63	-1.64	-8.04	-18.37	-55.08	-120.89
WIND DRIFT	(10 MPH)	.00	.54	2.29	5.43	10.17	16.76	25.42	49.37	80.91
INCHES	(20 MPH)	.00	1.08	4.57	10.86	20.35	33.52	50.84	98.73	161.81

MAXIMUM POINT BLANK RANGE IS 205 YARDS. SET ZERO AT 175 YARDS.

VELOCITY FPS		2500	2248	2012	1797	1599	1422	1270	1059	941
ENERGY FT-LB		624	505	404	322	255	202	161	112	88
DROP INCHES		.00	-.74	-3.20	-7.82	-15.13	-25.86	-40.89	-88.33	-166.57
BULLET PATH	(100 YDS)	-1.50	.11	.00	-2.26	-7.23	-15.60	-28.28	-71.01	-144.55
INCHES	(150 YDS)	-1.50	.87	1.51	.00	-4.21	-11.83	-23.76	-64.98	-137.00
(ZERO RANGE)	(200 YDS)	-1.50	1.92	3.61	3.16	.00	-6.57	-17.44	-56.56	-126.48
	(250 YDS)	-1.50	3.23	6.24	7.10	5.25	.00	-9.56	-46.05	-113.35

MPBR ZERO	(175 YDS)	-1.50	1.36	2.50	1.48	-2.24	-9.36	-20.80	-61.03	-132.07
WIND DRIFT	(10 MPH)	.00	.57	2.42	5.75	10.76	17.71	26.81	51.56	83.51
INCHES	(20 MPH)	.00	1.15	4.85	11.50	21.52	35.42	53.62	103.12	167.02

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

VELOCITY FPS		2400	2154	1926	1718	1528	1360	1219	1031	924
ENERGY FT-LB		575	463	370	294	233	184	148	106	85
DROP INCHES		.00	-.80	-3.49	-8.52	-16.50	-28.23	-44.67	-96.29	-180.41
BULLET PATH	(100 YDS)	-1.50	.19	.00	-2.54	-8.03	-17.27	-31.21	-77.85	-156.98
INCHES	(150 YDS)	-1.50	1.04	1.69	.00	-4.65	-13.04	-26.14	-71.07	-148.52
(ZERO RANGE)	(200 YDS)	-1.50	2.20	4.02	3.49	.00	-7.23	-19.16	-61.78	-136.90
	(250 YDS)	-1.50	3.64	6.91	7.82	5.78	.00	-10.49	-50.22	-122.45
MPBR ZERO	(170 YDS)	-1.50	1.47	2.55	1.29	-2.92	-10.88	-23.55	-67.63	-144.21
WIND DRIFT	(10 MPH)	.00	.61	2.57	6.09	11.39	18.72	28.25	53.70	85.96
INCHES	(20 MPH)	.00	1.22	5.15	12.18	22.78	37.44	56.50	107.40	171.93

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

VELOCITY FPS		2300	2060	1840	1639	1457	1299	1171	1006	906
ENERGY FT-LB		528	424	338	268	212	168	137	101	82
DROP INCHES		.00	-.88	-3.81	-9.31	-18.06	-30.92	-48.93	105.10	-195.46
BULLET PATH	(100 YDS)	-1.50	.28	.00	-2.85	-8.95	-19.15	-34.51	-85.37	-170.43
INCHES	(150 YDS)	-1.50	1.23	1.90	.00	-5.15	-14.40	-28.81	-77.77	-160.93
(ZERO RANGE)	(200 YDS)	-1.50	2.51	4.47	3.86	.00	-7.97	-21.09	-67.48	-148.07
	(250 YDS)	-1.50	4.11	7.66	8.64	6.37	.00	-11.53	-54.73	-132.13
MPBR ZERO	(160 YDS)	-1.50	1.46	2.37	.70	-4.22	-13.24	-27.41	-75.91	-158.60
WIND DRIFT	(10 MPH)	.00	.65	2.73	6.45	12.06	19.78	29.73	55.75	88.24
INCHES	(20 MPH)	.00	1.30	5.46	12.91	24.12	39.56	59.47	111.51	176.48

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

VELOCITY FPS		2200	1967	1756	1562	1389	1243	1128	982	890
ENERGY FT-LB		483	386	308	243	192	154	127	96	79
DROP INCHES		.00	-.96	-4.17	-10.21	-19.83	-33.96	-53.71	114.81	-211.79
BULLET PATH	(100 YDS)	-1.50	.38	.00	-3.20	-9.99	-21.28	-38.20	-93.63	-184.94
INCHES	(150 YDS)	-1.50	1.44	2.14	.00	-5.71	-15.94	-31.80	-85.08	-174.26
(ZERO RANGE)	(200 YDS)	-1.50	2.87	4.99	4.29	.00	-8.80	-23.23	-73.66	-159.97
	(250 YDS)	-1.50	4.63	8.51	9.56	7.04	.00	-12.67	-59.58	-142.38
MPBR ZERO	(155 YDS)	-1.50	1.57	2.39	.38	-5.20	-15.30	-31.03	-84.06	-172.98
WIND DRIFT	(10 MPH)	.00	.69	2.90	6.84	12.77	20.88	31.21	57.66	90.27
INCHES	(20 MPH)	.00	1.39	5.80	13.68	25.54	41.76	62.43	115.33	180.54