.224 Dia., 50 Gr. SMP

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 200 METERS. SET ZERO AT 170 METERS.							
VELOCITY FPS		3000	2730	2475	2233	2005	1792
ENERGY FT-LB		999	827	680	553	446	356
DROP INCHES		.00	-.61	-2.61	-6.32	-12.12	-20.51
BULLET PATH	(50 M)	-.80	.00	-.60	-2.90	-7.29	-14.27
INCHES	(100 M)	-.80	.30	.00	-2.00	-6.09	-12.78
(ZERO RANGE)	(150 M)	-.80	.97	1.33	.00	-3.42	-9.44
	(200 M)	-.80	1.82	3.05	2.57	.00	-5.16
MPBR ZERO	(170 M)	-.80	1.29	1.98	.96	-2.14	-7.83
WIND DRIFT	(10 MPH)	.00	.46	1.95	4.60	8.62	14.23
INCHES	(20 MPH)	.00	.93	3.89	9.20	17.24	28.46
MAXIMUM POINT BLANK RANGE IS 195 METERS. SET ZERO AT 165 METERS.							
VELOCITY FPS		2900	2635	2385	2148	1925	1718
ENERGY FT-LB		933	771	631	512	411	327
DROP INCHES		.00	-.65	-2.80	-6.79	-13.03	-22.09
BULLET PATH	(50 M)	-.80	.00	-.70	-3.23	-8.02	-15.63
INCHES	(100 M)	-.80	.35	.00	-2.18	-6.62	-13.88
(ZERO RANGE)	(150 M)	-.80	1.08	1.46	.00	-3.71	-10.24
	(200 M)	-.80	2.01	3.31	2.79	.00	-5.60
MPBR ZERO	(165 M)	-.80	1.34	1.97	.78	-2.68	-8.95
WIND DRIFT	(10 MPH)	.00	.49	2.05	4.84	9.08	15.00
INCHES	(20 MPH)	.00	.97	4.09	9.69	18.17	30.00
MAXIMUM POINT BLANK RANGE IS 190 METERS. SET ZERO AT 160 METERS.							
VELOCITY FPS		2800	2540	2295	2063	1846	1645
ENERGY FT-LB		870	716	584	472	378	300
DROP INCHES		.00	-.70	-3.02	-7.31	-14.05	-23.86
BULLET PATH	(50 M)	-.80	.00	-.82	-3.61	-8.85	-17.16
INCHES	(100 M)	-.80	.41	.00	-2.39	-7.22	-15.12
(ZERO RANGE)	(150 M)	-.80	1.20	1.59	.00	-4.04	-11.14
	(200 M)	-.80	2.21	3.61	3.03	.00	-6.09
MPBR ZERO	(160 M)	-.80	1.39	1.96	.56	-3.30	-10.21
WIND DRIFT	(10 MPH)	.00	.51	2.16	5.12	9.60	15.85
INCHES	(20 MPH)	.00	1.03	4.32	10.23	19.19	31.71
MAXIMUM POINT BLANK RANGE IS 185 METERS. SET ZERO AT 155 METERS.							
VELOCITY FPS		2700	2446	2206	1979	1768	1574
ENERGY FT-LB		809	664	540	435	347	275
DROP INCHES		.00	-.75	-3.25	-7.89	-15.19	-25.83
BULLET PATH	(50 M)	-.80	.00	-.94	-4.03	-9.77	-18.86
INCHES	(100 M)	-.80	.47	.00	-2.61	-7.89	-16.50
(ZERO RANGE)	(150 M)	-.80	1.34	1.74	.00	-4.40	-12.14
	(200 M)	-.80	2.44	3.94	3.30	.00	-6.64
MPBR ZERO	(155 M)	-.80	1.44	1.94	.30	-4.00	-11.64
WIND DRIFT	(10 MPH)	.00	.54	2.28	5.40	10.14	16.76
INCHES	(20 MPH)	.00	1.08	4.56	10.80	20.28	33.52
MAXIMUM POINT BLANK RANGE IS 175 METERS. SET ZERO AT 150 METERS.							
VELOCITY FPS		2600	2351	2116	1896	1691	1504
ENERGY FT-LB		750	613	497	399	317	251
DROP INCHES		.00	-.81	-3.51	-8.54	-16.47	-28.05
BULLET PATH	(50 M)	-.80	.00	-1.09	-4.50	-10.81	-20.78
INCHES	(100 M)	-.80	.54	.00	-2.87	-8.64	-18.06
(ZERO RANGE)	(150 M)	-.80	1.50	1.91	.00	-4.82	-13.28
	(200 M)	-.80	2.70	4.32	3.61	.00	-7.26
MPBR ZERO	(150 M)	-.80	1.50	1.91	.00	-4.82	-13.28
WIND DRIFT	(10 MPH)	.00	.57	2.41	5.72	10.74	17.75
INCHES	(20 MPH)	.00	1.14	4.82	11.43	21.48	35.49

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

VELOCITY FPS		2500	2256	2027	1812	1614	1436
ENERGY FT-LB		693	565	456	364	289	229
DROP INCHES		.00	-.88	-3.81	-9.28	-17.92	-30.56
BULLET PATH	(50 M)	-.80	.00	-1.25	-5.03	-11.99	-22.95
INCHES	(100 M)	-.80	.62	.00	-3.16	-9.50	-19.83
(ZERO RANGE)	(150 M)	-.80	1.68	2.11	.00	-5.28	-14.57
	(200 M)	-.80	3.00	4.75	3.96	.00	-7.96
MPBR ZERO	(145 M)	-.80	1.56	1.87	-.35	-5.75	-15.15
WIND DRIFT	(10 MPH)	.00	.61	2.55	6.07	11.40	18.82
INCHES	(20 MPH)	.00	1.21	5.11	12.13	22.80	37.64

RANGE METERS	MUZZLE	50	100	150	200	250

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

VELOCITY FPS		2400	2162	1938	1730	1540	1371
ENERGY FT-LB		639	519	417	332	263	208
DROP INCHES		.00	-.96	-4.15	-10.11	-19.56	-33.41
BULLET PATH	(50 M)	-.80	.00	-1.43	-5.63	-13.32	-25.41
INCHES	(100 M)	-.80	.72	.00	-3.49	-10.46	-21.84
(ZERO RANGE)	(150 M)	-.80	1.88	2.33	.00	-5.81	-16.02
	(200 M)	-.80	3.33	5.23	4.36	.00	-8.76
MPBR ZERO	(140 M)	-.80	1.62	1.81	-.77	-6.84	-17.31
WIND DRIFT	(10 MPH)	.00	.64	2.71	6.45	12.11	19.97
INCHES	(20 MPH)	.00	1.29	5.43	12.90	24.22	39.93

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

VELOCITY FPS		2300	2068	1850	1649	1467	1308
ENERGY FT-LB		587	474	380	301	238	190
DROP INCHES		.00	-1.05	-4.53	-11.06	-21.42	-36.64
BULLET PATH	(50 M)	-.80	.00	-1.64	-6.32	-14.84	-28.21
INCHES	(100 M)	-.80	.82	.00	-3.86	-11.57	-24.12
(ZERO RANGE)	(150 M)	-.80	2.11	2.58	.00	-6.41	-17.68
	(200 M)	-.80	3.71	5.78	4.81	.00	-9.66
MPBR ZERO	(130 M)	-.80	1.55	1.47	-1.66	-8.63	-20.45
WIND DRIFT	(10 MPH)	.00	.69	2.89	6.87	12.89	21.19
INCHES	(20 MPH)	.00	1.37	5.78	13.74	25.77	42.38

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

VELOCITY FPS		2200	1974	1763	1569	1396	1249
ENERGY FT-LB		537	432	345	273	216	173
DROP INCHES		.00	-1.14	-4.96	-12.14	-23.56	-40.32
BULLET PATH	(50 M)	-.80	.00	-1.88	-7.11	-16.58	-31.40
INCHES	(100 M)	-.80	.94	.00	-4.29	-12.83	-26.71
(ZERO RANGE)	(150 M)	-.80	2.37	2.86	.00	-7.10	-19.55
	(200 M)	-.80	4.15	6.41	5.33	.00	-10.67
MPBR ZERO	(125 M)	-.80	1.61	1.34	-2.28	-10.14	-23.35
WIND DRIFT	(10 MPH)	.00	.73	3.09	7.33	13.72	22.48
INCHES	(20 MPH)	.00	1.46	6.17	14.65	27.43	44.95

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

VELOCITY FPS		2100	1880	1676	1491	1329	1195
ENERGY FT-LB		489	392	312	246	196	158
DROP INCHES		.00	-1.26	-5.47	-13.38	-26.00	-44.51
BULLET PATH	(50 M)	-.80	.00	-2.15	-8.01	-18.57	-35.02
INCHES	(100 M)	-.80	1.08	.00	-4.79	-14.27	-29.65
(ZERO RANGE)	(150 M)	-.80	2.67	3.19	.00	-7.89	-21.67
	(200 M)	-.80	4.64	7.13	5.92	.00	-11.81
MPBR ZERO	(120 M)	-.80	1.67	1.18	-3.01	-11.90	-26.69
WIND DRIFT	(10 MPH)	.00	.78	3.30	7.82	14.59	23.79
INCHES	(20 MPH)	.00	1.56	6.60	15.63	29.19	47.58

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

VELOCITY FPS	2000	1787	1591	1415	1265	1145

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ENERGY FT-LB		444	354	281	222	177	145
DROP INCHES		.00	-1.39	-6.04	-14.82	-28.80	-49.29
BULLET PATH	(50 M)	-.80	.00	-2.47	-9.06	-20.85	-39.14
INCHES	(100 M)	-.80	1.23	.00	-5.36	-15.92	-32.98
(ZERO RANGE)	(150 M)	-.80	3.02	3.57	.00	-8.77	-24.05
	(200 M)	-.80	5.21	7.96	6.58	.00	-13.08
MPBR ZERO	(115 M)	-.80	1.72	.98	-3.88	-13.95	-30.53
WIND DRIFT	(10 MPH)	.00	.84	3.53	8.34	15.50	25.09
INCHES	(20 MPH)	.00	1.68	7.06	16.68	31.00	50.18

MAXIMUM POINT BLANK RANGE IS 130 METERS. SET ZERO AT 110 METERS.

VELOCITY FPS		1900	1694	1507	1343	1206	1101
ENERGY FT-LB		400	318	252	200	161	134
DROP INCHES		.00	-1.54	-6.71	-16.48	-32.03	-54.72
BULLET PATH	(50 M)	-.80	.00	-2.83	-10.26	-23.47	-43.82
INCHES	(100 M)	-.80	1.42	.00	-6.01	-17.80	-36.74
(ZERO RANGE)	(150 M)	-.80	3.42	4.01	.00	-9.78	-26.72
	(200 M)	-.80	5.87	8.90	7.34	.00	-14.49
MPBR ZERO	(110 M)	-.80	1.78	.73	-4.92	-16.35	-34.92
WIND DRIFT	(10 MPH)	.00	.90	3.77	8.89	16.41	26.32
INCHES	(20 MPH)	.00	1.80	7.55	17.77	32.82	52.64

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