

.224 Dia., 50 Gr. Blitz

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 295 YARDS. SET ZERO AT 255 YARDS.										
VELOCITY FPS		3600	3354	3122	2902	2691	2487	2292	1928	1595
ENERGY FT-LB		1438	1248	1082	935	803	686	583	412	282
DROP INCHES		.00	-.35	-1.47	-3.48	-6.52	-10.77	-16.42	-33.00	-59.05
BULLET PATH	(100 YDS)	-1.50	-.36	.00	-.53	-2.09	-4.85	-9.02	-22.64	-45.72
INCHES	(150 YDS)	-1.50	-.19	.35	.00	-1.38	-3.97	-7.96	-21.23	-43.95
(ZERO RANGE)	(200 YDS)	-1.50	.16	1.04	1.04	.00	-2.24	-5.89	-18.46	-40.49
	(250 YDS)	-1.50	.61	1.94	2.38	1.79	.00	-3.20	-14.87	-36.01
MPBR ZERO	(255 YDS)	-1.50	.66	2.04	2.53	1.99	.25	-2.90	-14.48	-35.52
WIND DRIFT	(10 MPH)	.00	.26	1.09	2.53	4.64	7.51	11.23	21.68	37.11
INCHES	(20 MPH)	.00	.53	2.18	5.05	9.27	15.02	22.46	43.37	74.22

MAXIMUM POINT BLANK RANGE IS 290 YARDS. SET ZERO AT 250 YARDS.										
VELOCITY FPS		3500	3260	3033	2817	2608	2408	2216	1860	1534
ENERGY FT-LB		1359	1179	1021	881	755	643	545	384	261
DROP INCHES		.00	-.37	-1.55	-3.68	-6.91	-11.41	-17.42	-35.08	-62.93
BULLET PATH	(100 YDS)	-1.50	-.34	.00	-.60	-2.30	-5.28	-9.76	-24.37	-49.17
INCHES	(150 YDS)	-1.50	-.14	.40	.00	-1.50	-4.28	-8.55	-22.76	-47.15
(ZERO RANGE)	(200 YDS)	-1.50	.24	1.15	1.12	.00	-2.40	-6.31	-19.76	-43.40
	(250 YDS)	-1.50	.72	2.11	2.57	1.92	.00	-3.42	-15.92	-38.60
MPBR ZERO	(250 YDS)	-1.50	.72	2.11	2.57	1.92	.00	-3.42	-15.92	-38.60
WIND DRIFT	(10 MPH)	.00	.27	1.13	2.61	4.81	7.80	11.68	22.61	38.79
INCHES	(20 MPH)	.00	.55	2.25	5.23	9.62	15.60	23.37	45.21	77.57

MAXIMUM POINT BLANK RANGE IS 280 YARDS. SET ZERO AT 240 YARDS.										
VELOCITY FPS		3400	3165	2943	2731	2525	2328	2140	1791	1473
ENERGY FT-LB		1283	1112	961	827	707	601	508	356	241
DROP INCHES		.00	-.39	-1.65	-3.91	-7.33	-12.12	-18.52	-37.38	-67.23
BULLET PATH	(100 YDS)	-1.50	-.32	.00	-.69	-2.54	-5.76	-10.58	-26.30	-53.00
INCHES	(150 YDS)	-1.50	-.09	.46	.00	-1.62	-4.61	-9.21	-24.46	-50.71
(ZERO RANGE)	(200 YDS)	-1.50	.32	1.27	1.22	.00	-2.58	-6.77	-21.21	-46.65
	(250 YDS)	-1.50	.84	2.30	2.77	2.07	.00	-3.67	-17.08	-41.48
MPBR ZERO	(240 YDS)	-1.50	.72	2.08	2.44	1.62	-.56	-4.34	-17.97	-42.60
WIND DRIFT	(10 MPH)	.00	.28	1.17	2.71	5.00	8.12	12.18	23.62	40.63
INCHES	(20 MPH)	.00	.57	2.33	5.42	10.00	16.25	24.37	47.24	81.25

MAXIMUM POINT BLANK RANGE IS 275 YARDS. SET ZERO AT 235 YARDS.										
VELOCITY FPS		3300	3071	2853	2643	2441	2248	2064	1720	1414
ENERGY FT-LB		1208	1046	904	775	661	561	473	328	222
DROP INCHES		.00	-.41	-1.75	-4.15	-7.80	-12.91	-19.74	-39.93	-72.03
BULLET PATH	(100 YDS)	-1.50	-.29	.00	-.78	-2.80	-6.29	-11.49	-28.43	-57.28
INCHES	(150 YDS)	-1.50	-.03	.52	.00	-1.76	-4.99	-9.93	-26.36	-54.69
(ZERO RANGE)	(200 YDS)	-1.50	.41	1.40	1.32	.00	-2.78	-7.29	-22.83	-50.27
	(250 YDS)	-1.50	.97	2.51	2.99	2.23	.00	-3.95	-18.37	-44.71
MPBR ZERO	(235 YDS)	-1.50	.79	2.16	2.46	1.52	-.89	-5.02	-19.80	-46.49
WIND DRIFT	(10 MPH)	.00	.29	1.21	2.82	5.21	8.48	12.73	24.74	42.64
INCHES	(20 MPH)	.00	.59	2.42	5.64	10.43	16.96	25.47	49.48	85.28

MAXIMUM POINT BLANK RANGE IS 270 YARDS. SET ZERO AT 230 YARDS.										
VELOCITY FPS		3200	2976	2762	2555	2357	2168	1987	1649	1357
ENERGY FT-LB		1136	983	847	724	616	521	438	302	204
DROP INCHES		.00	-.44	-1.86	-4.42	-8.32	-13.78	-21.09	-42.76	-77.38
BULLET PATH	(100 YDS)	-1.50	-.26	.00	-.88	-3.09	-6.87	-12.51	-30.82	-62.08
INCHES	(150 YDS)	-1.50	.03	.59	.00	-1.92	-5.41	-10.74	-28.47	-59.14
(ZERO RANGE)	(200 YDS)	-1.50	.51	1.55	1.44	.00	-3.01	-7.86	-24.63	-54.34
	(250 YDS)	-1.50	1.12	2.75	3.24	2.40	.00	-4.26	-19.82	-48.33
MPBR ZERO	(230 YDS)	-1.50	.86	2.24	2.48	1.39	-1.27	-5.78	-21.85	-50.87
WIND DRIFT	(10 MPH)	.00	.31	1.26	2.95	5.45	8.88	13.35	25.99	44.85
INCHES	(20 MPH)	.00	.61	2.52	5.89	10.91	17.76	26.69	51.98	89.69

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

VELOCITY FPS		3100	2881	2670	2467	2273	2087	1911	1580	1301
ENERGY FT-LB		1066	921	791	675	573	483	405	277	188
DROP INCHES		.00	-.47	-1.98	-4.72	-8.89	-14.74	-22.59	-45.93	-83.37
BULLET PATH	(100 YDS)	-1.50	-.23	.00	-.99	-3.42	-7.53	-13.63	-33.49	-67.44
INCHES	(150 YDS)	-1.50	.11	.66	.00	-2.09	-5.87	-11.65	-30.84	-64.13
(ZERO RANGE)	(200 YDS)	-1.50	.63	1.71	1.57	.00	-3.25	-8.51	-26.65	-58.90
	(250 YDS)	-1.50	1.28	3.01	3.52	2.60	.00	-4.60	-21.44	-52.39
MPBR ZERO	(225 YDS)	-1.50	.94	2.33	2.50	1.24	-1.70	-6.64	-24.17	-55.79
WIND DRIFT	(10 MPH)	.00	.32	1.32	3.09	5.72	9.32	14.02	27.37	47.24
INCHES	(20 MPH)	.00	.64	2.64	6.17	11.44	18.64	28.05	54.74	94.48

.224 Dia., 50 Gr. SPT / 50 Gr. Blitz
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 250 YARDS. SET ZERO AT 215 YARDS.										
VELOCITY FPS		3000	2785	2577	2378	2188	2006	1834	1511	1249
ENERGY FT-LB		999	861	737	628	531	447	373	253	173
DROP INCHES		.00	-.50	-2.12	-5.05	-9.52	-15.81	-24.26	-49.47	-90.09
BULLET PATH	(100 YDS)	-1.50	-.19	.00	-1.12	-3.78	-8.26	-14.90	-36.49	-73.47
INCHES	(150 YDS)	-1.50	.18	.75	.00	-2.29	-6.39	-12.66	-33.50	-69.74
(ZERO RANGE)	(200 YDS)	-1.50	.76	1.89	1.71	.00	-3.53	-9.23	-28.93	-64.03
	(250 YDS)	-1.50	1.46	3.30	3.83	2.83	.00	-4.99	-23.28	-56.96
MPBR ZERO	(215 YDS)	-1.50	.95	2.29	2.31	.79	-2.54	-8.03	-27.34	-62.04
WIND DRIFT	(10 MPH)	.00	.33	1.38	3.25	6.02	9.82	14.77	28.90	49.84
INCHES	(20 MPH)	.00	.66	2.77	6.49	12.04	19.63	29.55	57.80	99.67

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

VELOCITY FPS		2900	2688	2484	2289	2103	1926	1756	1444	1200
ENERGY FT-LB		933	802	685	581	491	411	342	231	160
DROP INCHES		.00	-.54	-2.28	-5.43	-10.24	-17.01	-26.14	-53.47	-97.65
BULLET PATH	(100 YDS)	-1.50	-.15	.00	-1.26	-4.18	-9.07	-16.31	-39.87	-80.27
INCHES	(150 YDS)	-1.50	.27	.84	.00	-2.50	-6.97	-13.79	-36.50	-76.06
(ZERO RANGE)	(200 YDS)	-1.50	.90	2.09	1.88	.00	-3.84	-10.04	-31.50	-69.81
	(250 YDS)	-1.50	1.67	3.63	4.18	3.08	.00	-5.42	-25.35	-62.12
MPBR ZERO	(210 YDS)	-1.50	1.04	2.38	2.31	.57	-3.13	-9.18	-30.36	-68.38
WIND DRIFT	(10 MPH)	.00	.35	1.46	3.43	6.35	10.37	15.61	30.59	52.63
INCHES	(20 MPH)	.00	.70	2.92	6.85	12.71	20.73	31.22	61.19	105.26

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

VELOCITY FPS		2800	2591	2391	2200	2018	1845	1678	1380	1155
ENERGY FT-LB		870	745	634	537	452	378	312	211	148
DROP INCHES		.00	-.58	-2.45	-5.84	-11.04	-18.36	-28.25	-57.98	-106.14
BULLET PATH	(100 YDS)	-1.50	-.10	.00	-1.42	-4.64	-9.99	-17.91	-43.69	-87.89
INCHES	(150 YDS)	-1.50	.37	.95	.00	-2.74	-7.63	-15.07	-39.90	-83.16
(ZERO RANGE)	(200 YDS)	-1.50	1.06	2.32	2.06	.00	-4.20	-10.95	-34.41	-76.30
	(250 YDS)	-1.50	1.90	4.00	4.58	3.36	.00	-5.91	-27.70	-67.91
MPBR ZERO	(200 YDS)	-1.50	1.06	2.32	2.06	.00	-4.20	-10.95	-34.41	-76.30
WIND DRIFT	(10 MPH)	.00	.37	1.55	3.63	6.73	10.98	16.55	32.45	55.59
INCHES	(20 MPH)	.00	.75	3.10	7.26	13.46	21.96	33.09	64.90	111.18

MAXIMUM POINT BLANK RANGE IS 230 YARDS. SET ZERO AT 195 YARDS.

VELOCITY FPS		2700	2495	2300	2113	1935	1766	1602	1319	1116
ENERGY FT-LB		809	691	587	495	415	346	284	193	138
DROP INCHES		.00	-.62	-2.64	-6.30	-11.91	-19.85	-30.58	-62.97	-115.46
BULLET PATH	(100 YDS)	-1.50	-.05	.00	-1.59	-5.14	-11.01	-19.67	-47.92	-96.27
INCHES	(150 YDS)	-1.50	.48	1.06	.00	-3.01	-8.35	-16.48	-43.67	-90.96
(ZERO RANGE)	(200 YDS)	-1.50	1.23	2.57	2.26	.00	-4.58	-11.96	-37.64	-83.43
	(250 YDS)	-1.50	2.15	4.40	5.01	3.67	.00	-6.46	-30.31	-74.26
MPBR ZERO	(195 YDS)	-1.50	1.15	2.40	2.01	-.33	-5.00	-12.46	-38.30	-84.26
WIND DRIFT	(10 MPH)	.00	.39	1.63	3.83	7.11	11.60	17.52	34.37	58.55
INCHES	(20 MPH)	.00	.79	3.27	7.66	14.21	23.21	35.04	68.73	117.10

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

VELOCITY FPS		2600	2399	2208	2026	1853	1685	1527	1261	1080
ENERGY FT-LB		750	639	541	455	381	315	259	176	129
DROP INCHES		.00	-.67	-2.85	-6.82	-12.90	-21.53	-33.22	-68.61	-125.92
BULLET PATH	(100 YDS)	-1.50	.01	.00	-1.79	-5.70	-12.15	-21.67	-52.71	-105.67
INCHES	(150 YDS)	-1.50	.60	1.19	.00	-3.31	-9.17	-18.09	-47.93	-99.70
(ZERO RANGE)	(200 YDS)	-1.50	1.43	2.85	2.49	.00	-5.02	-13.11	-41.30	-91.41
	(250 YDS)	-1.50	2.44	4.86	5.50	4.02	.00	-7.09	-33.27	-81.37
MPBR ZERO	(190 YDS)	-1.50	1.25	2.49	1.94	-.72	-5.93	-14.20	-42.75	-93.22
WIND DRIFT	(10 MPH)	.00	.41	1.73	4.05	7.52	12.30	18.61	36.44	61.61
INCHES	(20 MPH)	.00	.83	3.46	8.11	15.05	24.61	37.22	72.88	123.21

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

VELOCITY FPS		2500	2304	2117	1939	1770	1605	1455	1208	1048
ENERGY FT-LB		693	589	497	417	347	286	235	162	122
DROP INCHES		.00	-.72	-3.09	-7.40	-14.02	-23.42	-36.21	-74.99	-137.60
BULLET PATH	(100 YDS)	-1.50	.07	.00	-2.01	-6.34	-13.45	-23.94	-58.13	-116.15
INCHES	(150 YDS)	-1.50	.74	1.34	.00	-3.66	-10.10	-19.92	-52.76	-109.44
(ZERO RANGE)	(200 YDS)	-1.50	1.65	3.17	2.74	.00	-5.53	-14.43	-45.45	-100.30
	(250 YDS)	-1.50	2.76	5.38	6.06	4.42	.00	-7.80	-36.61	-89.25
MPBR ZERO	(180 YDS)	-1.50	1.27	2.39	1.57	-1.56	-7.47	-16.77	-48.57	-104.20
WIND DRIFT	(10 MPH)	.00	.44	1.83	4.30	7.99	13.09	19.80	38.64	64.69
INCHES	(20 MPH)	.00	.88	3.66	8.60	15.97	26.18	39.61	77.28	129.38

RANGE	YARDS	MUZZLE	50	100	150	200	250	300	400	500
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MAXIMUM POINT BLANK RANGE IS 205 YARDS. SET ZERO AT 175 YARDS.

VELOCITY FPS		2400	2208	2026	1853	1685	1527	1385	1159	1020
ENERGY FT-LB		639	541	455	381	315	259	213	149	115
DROP INCHES		.00	-.79	-3.36	-8.05	-15.28	-25.58	-39.62	-82.22	-150.63
BULLET PATH	(100 YDS)	-1.50	.14	.00	-2.26	-7.06	-14.93	-26.54	-64.28	-127.83
INCHES	(150 YDS)	-1.50	.90	1.51	.00	-4.05	-11.16	-22.01	-58.24	-120.29
(ZERO RANGE)	(200 YDS)	-1.50	1.91	3.53	3.03	.00	-6.10	-15.94	-50.15	-110.17
	(250 YDS)	-1.50	3.13	5.97	6.70	4.88	.00	-8.62	-40.39	-97.97
MPBR ZERO	(175 YDS)	-1.50	1.38	2.47	1.44	-2.13	-8.77	-19.14	-54.41	-115.50
WIND DRIFT	(10 MPH)	.00	.47	1.95	4.57	8.50	13.96	21.12	40.95	67.75
INCHES	(20 MPH)	.00	.93	3.89	9.14	17.01	27.92	42.23	81.90	135.50

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

VELOCITY FPS		2300	2113	1935	1766	1602	1452	1319	1115	993
ENERGY FT-LB		587	495	415	346	284	234	193	138	109
DROP INCHES		.00	-.86	-3.67	-8.80	-16.73	-28.05	-43.51	-90.40	-165.11
BULLET PATH	(100 YDS)	-1.50	.22	.00	-2.55	-7.89	-16.63	-29.51	-71.23	-140.77
INCHES	(150 YDS)	-1.50	1.07	1.70	.00	-4.49	-12.38	-24.41	-64.43	-132.27
(ZERO RANGE)	(200 YDS)	-1.50	2.20	3.95	3.37	.00	-6.77	-17.67	-55.44	-121.04
	(250 YDS)	-1.50	3.55	6.65	7.43	5.41	.00	-9.55	-44.61	-107.50
MPBR ZERO	(170 YDS)	-1.50	1.50	2.54	1.26	-2.81	-10.28	-21.88	-61.06	-128.06
WIND DRIFT	(10 MPH)	.00	.50	2.07	4.87	9.09	14.92	22.53	43.32	70.72
INCHES	(20 MPH)	.00	.99	4.14	9.74	18.18	29.85	45.07	86.63	141.43

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

VELOCITY FPS		2200	2017	1845	1677	1520	1379	1256	1077	969
ENERGY FT-LB		537	452	377	312	256	211	175	128	104
DROP INCHES		.00	-.94	-4.02	-9.66	-18.39	-30.89	-47.97	-99.65	-181.17
BULLET PATH	(100 YDS)	-1.50	.32	.00	-2.88	-8.85	-18.60	-32.92	-79.08	-155.08
INCHES	(150 YDS)	-1.50	1.28	1.92	.00	-5.01	-13.80	-27.16	-71.40	-145.48
(ZERO RANGE)	(200 YDS)	-1.50	2.53	4.43	3.76	.00	-7.53	-19.64	-61.37	-132.95
	(250 YDS)	-1.50	4.04	7.44	8.28	6.03	.00	-10.60	-49.32	-117.89
MPBR ZERO	(160 YDS)	-1.50	1.51	2.38	.69	-4.09	-12.65	-25.78	-69.56	-143.18
WIND DRIFT	(10 MPH)	.00	.53	2.21	5.21	9.74	15.98	24.05	45.69	73.54
INCHES	(20 MPH)	.00	1.06	4.42	10.42	19.49	31.96	48.10	91.38	147.07

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

VELOCITY FPS		2100	1922	1753	1590	1441	1310	1198	1043	946
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ENERGY FT-LB		489	410	341	280	230	190	159	120	99
DROP INCHES		.00	-1.03	-4.42	-10.65	-20.31	-34.17	-53.10	110.10	-198.94
BULLET PATH	(100 YDS)	-1.50	.43	.00	-3.26	-9.97	-20.87	-36.84	-87.91	-170.82
INCHES	(150 YDS)	-1.50	1.51	2.17	.00	-5.62	-15.43	-30.31	-79.21	-159.95
(ZERO RANGE)	(200 YDS)	-1.50	2.92	4.98	4.21	.00	-8.41	-21.88	-67.97	-145.90
	(250 YDS)	-1.50	4.60	8.35	9.26	6.73	.00	-11.80	-54.52	-129.09
MPBR ZERO	(155 YDS)	-1.50	1.64	2.43	.38	-5.11	-14.79	-29.55	-78.19	-158.68
WIND DRIFT	(10 MPH)	.00	.57	2.37	5.61	10.47	17.12	25.64	47.98	76.13
INCHES	(20 MPH)	.00	1.13	4.73	11.21	20.95	34.25	51.28	95.97	152.26

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

VELOCITY FPS		2000	1828	1660	1505	1366	1245	1146	1012	925
ENERGY FT-LB		444	371	306	251	207	172	145	113	95
DROP INCHES		.00	-1.14	-4.89	-11.80	-22.55	-37.97	-59.00	121.85	-218.52
BULLET PATH	(100 YDS)	-1.50	.55	.00	-3.71	-11.27	-23.50	-41.33	-97.79	-188.06
INCHES	(150 YDS)	-1.50	1.79	2.47	.00	-6.32	-17.31	-33.91	-87.89	-175.69
(ZERO RANGE)	(200 YDS)	-1.50	3.37	5.64	4.74	.00	-9.41	-24.42	-75.24	-159.88
	(250 YDS)	-1.50	5.25	9.40	10.39	7.53	.00	-13.14	-60.19	-141.07
MPBR ZERO	(150 YDS)	-1.50	1.79	2.47	.00	-6.32	-17.31	-33.91	-87.89	-175.69
WIND DRIFT	(10 MPH)	.00	.61	2.55	6.06	11.27	18.34	27.26	50.12	78.42
INCHES	(20 MPH)	.00	1.21	5.11	12.11	22.55	36.67	54.53	100.25	156.84

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

VELOCITY FPS		1900	1731	1569	1423	1293	1185	1100	984	904
ENERGY FT-LB		400	332	273	224	185	156	134	107	90
DROP INCHES		.00	-1.27	-5.44	-13.15	-25.17	-42.38	-65.77	135.00	-240.02
BULLET PATH	(100 YDS)	-1.50	.70	.00	-4.24	-12.79	-26.53	-46.45	108.73	-206.81
INCHES	(150 YDS)	-1.50	2.12	2.83	.00	-7.13	-19.46	-37.97	-97.42	-192.67
(ZERO RANGE)	(200 YDS)	-1.50	3.90	6.39	5.35	.00	-10.55	-27.27	-83.16	-174.85
	(250 YDS)	-1.50	6.01	10.61	11.67	8.44	.00	-14.62	-66.29	-153.76
MPBR ZERO	(140 YDS)	-1.50	1.80	2.20	-.95	-8.39	-21.04	-39.86	-99.95	-195.83
WIND DRIFT	(10 MPH)	.00	.66	2.78	6.56	12.13	19.58	28.84	52.00	80.29
INCHES	(20 MPH)	.00	1.31	5.56	13.12	24.26	39.16	57.67	104.00	160.59