

.224 Dia., 69 Gr. HPBT MatchKing

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

RANGE	YARDS	MUZZLE	50	100	200	300	400	500	600	1000
MAXIMUM POINT BLANK RANGE IS 330 YARDS. SET ZERO AT 280 YARDS.										
VELOCITY FPS		3800	3608	3425	3082	2765	2472	2198	1952	1189
ENERGY FT-LB		2211	1994	1797	1455	1171	936	740	583	216
DROP INCHES		.00	-.31	-1.28	-5.53	-13.45	-25.94	-44.13	-69.53	-293.01
BULLET PATH	(200 YDS)	-1.50	-.05	.74	.00	-4.41	-13.37	-28.05	-49.94	-259.36
INCHES	(300 YDS)	-1.50	.69	2.20	2.94	.00	-7.50	-20.71	-41.13	-244.67
(ZERO RANGE)	(400 YDS)	-1.50	1.62	4.08	6.69	5.62	.00	-11.33	-29.88	-225.92
	(600 YDS)	-1.50	4.11	9.06	16.65	20.56	19.92	13.57	.00	-176.13
MPBR ZERO	(280 YDS)	-1.50	.52	1.88	2.28	-.99	-8.81	-22.35	-43.10	-247.96
WIND DRIFT	(10 MPH)	.00	.18	.75	3.10	7.30	13.60	22.35	33.94	118.95
INCHES	(20 MPH)	.00	.37	1.49	6.21	14.60	27.20	44.70	67.88	237.89

MAXIMUM POINT BLANK RANGE IS 320 YARDS. SET ZERO AT 275 YARDS.										
VELOCITY FPS		3700	3512	3334	2998	2687	2400	2133	1891	1157
ENERGY FT-LB		2097	1890	1702	1376	1106	882	697	547	205
DROP INCHES		.00	-.32	-1.35	-5.84	-14.20	-27.40	-46.66	-73.58	-311.27
BULLET PATH	(200 YDS)	-1.50	.01	.82	.00	-4.70	-14.23	-29.81	-53.07	-276.08
INCHES	(300 YDS)	-1.50	.79	2.38	3.13	.00	-7.96	-21.98	-43.67	-260.42
(ZERO RANGE)	(400 YDS)	-1.50	1.79	4.37	7.11	5.97	.00	-12.03	-31.73	-240.52
	(600 YDS)	-1.50	4.43	9.66	17.69	21.84	21.15	14.41	.00	-187.63
MPBR ZERO	(275 YDS)	-1.50	.58	1.95	2.26	-1.30	-9.70	-24.16	-46.28	-264.76
WIND DRIFT	(10 MPH)	.00	.19	.77	3.20	7.54	14.06	23.13	35.15	123.18
INCHES	(20 MPH)	.00	.38	1.54	6.40	15.08	28.11	46.26	70.30	246.35

MAXIMUM POINT BLANK RANGE IS 310 YARDS. SET ZERO AT 265 YARDS.										
VELOCITY FPS		3600	3417	3242	2913	2610	2327	2067	1830	1127
ENERGY FT-LB		1985	1788	1610	1300	1043	829	654	513	194
DROP INCHES		.00	-.34	-1.43	-6.17	-15.02	-29.00	-49.42	-78.00	-331.20
BULLET PATH	(200 YDS)	-1.50	.08	.91	.00	-5.02	-15.16	-31.74	-56.49	-294.35
INCHES	(300 YDS)	-1.50	.91	2.58	3.34	.00	-8.47	-23.38	-46.46	-277.63
(ZERO RANGE)	(400 YDS)	-1.50	1.97	4.70	7.58	6.35	.00	-12.80	-33.76	-256.46
	(600 YDS)	-1.50	4.78	10.32	18.83	23.23	22.50	15.34	.00	-200.20
MPBR ZERO	(265 YDS)	-1.50	.59	1.94	2.06	-1.92	-11.03	-26.58	-50.30	-284.03
WIND DRIFT	(10 MPH)	.00	.19	.79	3.31	7.79	14.55	23.97	36.45	127.61
INCHES	(20 MPH)	.00	.39	1.58	6.62	15.59	29.10	47.93	72.89	255.21

MAXIMUM POINT BLANK RANGE IS 305 YARDS. SET ZERO AT 260 YARDS.										
VELOCITY FPS		3500	3321	3150	2828	2531	2254	2001	1769	1100
ENERGY FT-LB		1876	1690	1520	1225	981	778	613	479	185
DROP INCHES		.00	-.36	-1.51	-6.53	-15.91	-30.74	-52.44	-82.85	-353.05
BULLET PATH	(200 YDS)	-1.50	.15	1.01	.00	-5.37	-16.18	-33.86	-60.25	-314.39
INCHES	(300 YDS)	-1.50	1.04	2.79	3.58	.00	-9.02	-24.91	-49.52	-296.50
(ZERO RANGE)	(400 YDS)	-1.50	2.17	5.05	8.09	6.77	.00	-13.64	-35.99	-273.95
	(600 YDS)	-1.50	5.17	11.05	20.08	24.76	23.99	16.36	.00	-213.96
MPBR ZERO	(260 YDS)	-1.50	.65	2.02	2.03	-2.33	-12.13	-28.79	-54.18	-304.26
WIND DRIFT	(10 MPH)	.00	.20	.82	3.42	8.07	15.09	24.88	37.86	132.25
INCHES	(20 MPH)	.00	.40	1.64	6.85	16.14	30.18	49.75	75.71	264.50

MAXIMUM POINT BLANK RANGE IS 300 YARDS. SET ZERO AT 255 YARDS.										
VELOCITY FPS		3400	3225	3058	2743	2452	2180	1935	1708	1074
ENERGY FT-LB		1770	1594	1433	1153	921	728	573	446	176
DROP INCHES		.00	-.38	-1.60	-6.93	-16.89	-32.66	-55.76	-88.18	-376.92
BULLET PATH	(200 YDS)	-1.50	.22	1.11	.00	-5.75	-17.30	-36.18	-64.39	-336.27
INCHES	(300 YDS)	-1.50	1.18	3.03	3.83	.00	-9.63	-26.60	-52.90	-317.12
(ZERO RANGE)	(400 YDS)	-1.50	2.39	5.44	8.65	7.23	.00	-14.56	-38.45	-293.03
	(600 YDS)	-1.50	5.59	11.85	21.46	26.45	25.63	17.48	.00	-228.95
MPBR ZERO	(255 YDS)	-1.50	.72	2.10	1.98	-2.78	-13.34	-31.24	-58.46	-326.39
WIND DRIFT	(10 MPH)	.00	.21	.85	3.55	8.37	15.68	25.86	39.38	137.04
INCHES	(20 MPH)	.00	.41	1.69	7.10	16.75	31.36	51.71	78.75	274.08

MAXIMUM POINT BLANK RANGE IS 290 YARDS. SET ZERO AT 245 YARDS.

VELOCITY FPS		3300	3129	2966	2658	2373	2109	1868	1647	1051
ENERGY FT-LB		1668	1500	1348	1082	862	681	534	415	169
DROP INCHES		.00	-.41	-1.70	-7.36	-17.96	-34.76	-59.41	-94.06	-403.08
BULLET PATH	(200 YDS)	-1.50	.31	1.23	.00	-6.17	-18.53	-38.75	-68.97	-360.26
INCHES	(300 YDS)	-1.50	1.34	3.29	4.11	.00	-10.31	-28.47	-56.63	-339.71
(ZERO RANGE)	(400 YDS)	-1.50	2.63	5.86	9.27	7.73	.00	-15.58	-41.17	-313.93
	(600 YDS)	-1.50	6.06	12.73	22.99	28.32	27.44	18.72	.00	-245.32
MPBR ZERO	(245 YDS)	-1.50	.74	2.09	1.71	-3.60	-15.11	-34.47	-63.83	-351.71
WIND DRIFT	(10 MPH)	.00	.21	.88	3.69	8.71	16.32	26.92	41.03	142.00
INCHES	(20 MPH)	.00	.43	1.76	7.37	17.41	32.64	53.84	82.06	284.01

RANGE	YARDS	MUZZLE	50	100	200	300	400	500	600	1000
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MAXIMUM POINT BLANK RANGE IS 280 YARDS. SET ZERO AT 240 YARDS.

VELOCITY FPS		3200	3033	2873	2573	2293	2037	1801	1586	1029
ENERGY FT-LB		1568	1409	1265	1014	805	635	497	385	162
DROP INCHES		.00	-.43	-1.81	-7.84	-19.14	-37.08	-63.43	100.54	-431.68
BULLET PATH	(200 YDS)	-1.50	.40	1.36	.00	-6.63	-19.90	-41.58	-74.02	-386.47
INCHES	(300 YDS)	-1.50	1.51	3.57	4.42	.00	-11.06	-30.53	-60.76	-364.37
(ZERO RANGE)	(400 YDS)	-1.50	2.89	6.34	9.95	8.29	.00	-16.71	-44.17	-336.73
	(600 YDS)	-1.50	6.57	13.70	24.67	30.38	29.45	20.10	.00	-263.11
MPBR ZERO	(240 YDS)	-1.50	.81	2.17	1.63	-4.19	-16.64	-37.51	-69.14	-378.34
WIND DRIFT	(10 MPH)	.00	.22	.91	3.83	9.07	17.01	28.07	42.81	147.08
INCHES	(20 MPH)	.00	.45	1.83	7.67	18.13	34.02	56.15	85.63	294.16

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

VELOCITY FPS		3100	2937	2781	2488	2213	1964	1735	1527	1008
ENERGY FT-LB		1472	1321	1185	948	750	591	461	357	155
DROP INCHES		.00	-.46	-1.93	-8.37	-20.44	-39.64	-67.88	107.72	-462.93
BULLET PATH	(200 YDS)	-1.50	.51	1.50	.00	-7.14	-21.41	-44.71	-79.62	-415.10
INCHES	(300 YDS)	-1.50	1.70	3.88	4.76	.00	-11.88	-32.81	-65.34	-391.29
(ZERO RANGE)	(400 YDS)	-1.50	3.18	6.86	10.70	8.91	.00	-17.96	-47.51	-361.58
	(600 YDS)	-1.50	7.14	14.77	26.54	32.67	31.68	21.64	.00	-282.39
MPBR ZERO	(235 YDS)	-1.50	.89	2.27	1.52	-4.86	-18.36	-40.90	-75.05	-407.47
WIND DRIFT	(10 MPH)	.00	.23	.95	3.99	9.46	17.76	29.32	44.75	152.24
INCHES	(20 MPH)	.00	.47	1.91	7.99	18.93	35.51	58.65	89.49	304.48

MAXIMUM POINT BLANK RANGE IS 265 YARDS. SET ZERO AT 225 YARDS.

VELOCITY FPS		3000	2841	2689	2402	2135	1892	1669	1468	988
ENERGY FT-LB		1378	1236	1108	883	698	548	426	330	149
DROP INCHES		.00	-.49	-2.06	-8.95	-21.88	-42.47	-72.82	115.70	-497.07
BULLET PATH	(200 YDS)	-1.50	.62	1.66	.00	-7.71	-23.08	-48.20	-85.86	-446.34
INCHES	(300 YDS)	-1.50	1.90	4.23	5.14	.00	-12.80	-35.35	-70.44	-420.63
(ZERO RANGE)	(400 YDS)	-1.50	3.50	7.43	11.54	9.60	.00	-19.35	-51.24	-388.64
	(600 YDS)	-1.50	7.77	15.97	28.62	35.22	34.16	23.35	.00	-303.24
MPBR ZERO	(225 YDS)	-1.50	.91	2.24	1.16	-5.97	-20.76	-45.30	-82.38	-440.54
WIND DRIFT	(10 MPH)	.00	.24	.99	4.17	9.89	18.56	30.68	46.83	157.46
INCHES	(20 MPH)	.00	.49	1.99	8.33	19.79	37.13	61.36	93.66	314.92

MAXIMUM POINT BLANK RANGE IS 260 YARDS. SET ZERO AT 220 YARDS.

VELOCITY FPS		2900	2745	2597	2315	2057	1820	1603	1410	970
ENERGY FT-LB		1288	1154	1033	821	648	507	393	304	144
DROP INCHES		.00	-.53	-2.21	-9.59	-23.48	-45.62	-78.29	124.57	-534.26
BULLET PATH	(200 YDS)	-1.50	.74	1.84	.00	-8.34	-24.94	-52.08	-92.80	-480.32
INCHES	(300 YDS)	-1.50	2.14	4.62	5.56	.00	-13.81	-38.17	-76.11	-452.50
(ZERO RANGE)	(400 YDS)	-1.50	3.86	8.07	12.47	10.36	.00	-20.90	-55.39	-417.97
	(600 YDS)	-1.50	8.48	17.30	30.93	38.06	36.93	25.26	.00	-325.65
MPBR ZERO	(220 YDS)	-1.50	.99	2.34	1.00	-6.85	-22.94	-49.58	-89.81	-475.32
WIND DRIFT	(10 MPH)	.00	.25	1.04	4.36	10.36	19.44	32.15	49.07	162.68
INCHES	(20 MPH)	.00	.51	2.07	8.71	20.71	38.87	64.29	98.14	325.35

MAXIMUM POINT BLANK RANGE IS 250 YARDS. SET ZERO AT 210 YARDS.

VELOCITY FPS		2800	2650	2505	2229	1979	1748	1539	1355	952
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ENERGY FT-LB		1200	1075	961	761	600	468	362	281	139
DROP INCHES		.00	-.57	-2.37	-10.30	-25.25	-49.11	-84.39	134.44	-574.69
BULLET PATH	(200 YDS)	-1.50	.88	2.03	.00	-9.05	-27.01	-56.40	100.54	-517.20
INCHES	(300 YDS)	-1.50	2.39	5.05	6.03	.00	-14.95	-41.31	-82.44	-487.03
(ZERO RANGE)	(400 YDS)	-1.50	4.26	8.78	13.51	11.21	.00	-22.63	-60.02	-449.67
	(600 YDS)	-1.50	9.26	18.79	33.51	41.22	40.01	27.39	.00	-349.63
MPBR ZERO	(210 YDS)	-1.50	1.02	2.30	.53	-8.25	-25.94	-55.06	-98.93	-514.52
WIND DRIFT	(10 MPH)	.00	.26	1.08	4.56	10.85	20.38	33.72	51.46	167.84
INCHES	(20 MPH)	.00	.53	2.16	9.13	21.70	40.75	67.45	102.93	335.68

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

VELOCITY FPS		2700	2553	2411	2143	1900	1676	1474	1301	935
ENERGY FT-LB		1116	998	891	703	553	430	333	259	134
DROP INCHES		.00	-.61	-2.55	-11.10	-27.25	-53.07	-91.31	145.62	-619.28
BULLET PATH	(200 YDS)	-1.50	1.04	2.25	.00	-9.84	-29.36	-61.30	109.31	-557.76
INCHES	(300 YDS)	-1.50	2.68	5.53	6.56	.00	-16.23	-44.89	-89.62	-524.94
(ZERO RANGE)	(400 YDS)	-1.50	4.71	9.59	14.68	12.17	.00	-24.60	-65.27	-484.36
	(600 YDS)	-1.50	10.15	20.47	36.44	44.81	43.52	29.79	.00	-375.57
MPBR ZERO	(205 YDS)	-1.50	1.11	2.40	.29	-9.41	-28.78	-60.58	108.44	-556.31
WIND DRIFT	(10 MPH)	.00	.28	1.14	4.81	11.42	21.45	35.50	54.11	173.08
INCHES	(20 MPH)	.00	.55	2.27	9.62	22.83	42.90	70.99	108.22	346.17

RANGE YARDS	MUZZLE	50	100	200	300	400	500	600	1000
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MAXIMUM POINT BLANK RANGE IS 235 YARDS. SET ZERO AT 200 YARDS.

VELOCITY FPS		2600	2456	2318	2059	1822	1605	1412	1249	918
ENERGY FT-LB		1035	924	823	649	508	394	305	239	129
DROP INCHES		.00	-.66	-2.75	-12.01	-29.49	-57.50	-99.06	158.13	-667.60
BULLET PATH	(200 YDS)	-1.50	1.22	2.50	.00	-10.73	-31.98	-66.80	119.11	-601.57
INCHES	(300 YDS)	-1.50	3.01	6.08	7.16	.00	-17.67	-48.91	-97.64	-565.79
(ZERO RANGE)	(400 YDS)	-1.50	5.22	10.49	15.99	13.26	.00	-26.82	-71.13	-521.61
	(600 YDS)	-1.50	11.15	22.35	39.70	48.82	47.42	32.46	.00	-403.06
MPBR ZERO	(200 YDS)	-1.50	1.22	2.50	.00	-10.73	-31.98	-66.80	119.11	-601.57
WIND DRIFT	(10 MPH)	.00	.29	1.20	5.08	12.03	22.60	37.39	56.89	178.15
INCHES	(20 MPH)	.00	.58	2.40	10.15	24.06	45.21	74.78	113.78	356.30

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

VELOCITY FPS		2500	2359	2224	1974	1744	1535	1352	1201	903
ENERGY FT-LB		957	853	757	597	466	361	280	221	124
DROP INCHES		.00	-.71	-2.98	-13.02	-32.01	-62.48	-107.78	172.16	-720.01
BULLET PATH	(200 YDS)	-1.50	1.42	2.78	.00	-11.73	-34.94	-72.98	130.10	-648.91
INCHES	(300 YDS)	-1.50	3.37	6.69	7.82	.00	-19.30	-53.43	106.64	-609.81
(ZERO RANGE)	(400 YDS)	-1.50	5.79	11.51	17.47	14.47	.00	-29.30	-77.69	-561.56
	(600 YDS)	-1.50	12.26	24.46	43.37	53.32	51.79	35.44	.00	-432.08
MPBR ZERO	(190 YDS)	-1.50	1.25	2.44	-.68	-12.75	-36.30	-74.68	132.13	-652.30
WIND DRIFT	(10 MPH)	.00	.31	1.27	5.35	12.69	23.85	39.41	59.80	183.00
INCHES	(20 MPH)	.00	.62	2.55	10.70	25.37	47.69	78.83	119.60	366.01

MAXIMUM POINT BLANK RANGE IS 220 YARDS. SET ZERO AT 185 YARDS.

VELOCITY FPS		2400	2263	2133	1890	1667	1466	1294	1157	887
ENERGY FT-LB		882	784	697	547	425	329	256	205	120
DROP INCHES		.00	-.77	-3.24	-14.16	-34.84	-68.08	-117.57	187.85	-776.63
BULLET PATH	(200 YDS)	-1.50	1.64	3.08	.00	-12.85	-38.27	-79.93	142.39	-699.85
INCHES	(300 YDS)	-1.50	3.78	7.37	8.57	.00	-21.13	-58.51	116.68	-657.01
(ZERO RANGE)	(400 YDS)	-1.50	6.43	12.65	19.14	15.85	.00	-32.09	-84.98	-604.17
	(600 YDS)	-1.50	13.51	26.82	47.46	58.34	56.65	38.73	.00	-462.54
MPBR ZERO	(185 YDS)	-1.50	1.36	2.53	-1.11	-14.52	-40.49	-82.71	145.72	-705.41
WIND DRIFT	(10 MPH)	.00	.33	1.35	5.64	13.39	25.17	41.54	62.77	187.53
INCHES	(20 MPH)	.00	.66	2.69	11.28	26.77	50.34	83.08	125.55	375.07

MAXIMUM POINT BLANK RANGE IS 210 YARDS. SET ZERO AT 175 YARDS.

VELOCITY FPS		2300	2167	2043	1807	1591	1400	1240	1117	872
ENERGY FT-LB		810	719	639	500	388	300	235	191	116
DROP INCHES		.00	-.84	-3.53	-15.43	-38.03	-74.42	-128.60	205.42	-837.73
BULLET PATH	(200 YDS)	-1.50	1.89	3.43	.00	-14.13	-42.05	-87.76	156.12	-754.56

INCHES	(300 YDS)	-1.50	4.25	8.14	9.42	.00	-23.21	-64.22	127.87	-707.47
(ZERO RANGE)	(400 YDS)	-1.50	7.15	13.95	21.02	17.41	.00	-35.20	-93.05	-649.44
	(600 YDS)	-1.50	14.90	29.45	52.04	63.93	62.03	42.34	.00	-494.36
MPBR ZERO	(175 YDS)	-1.50	1.39	2.43	-2.01	-17.14	-46.07	-92.79	162.15	-764.61
WIND DRIFT	(10 MPH)	.00	.35	1.42	5.94	14.13	26.57	43.74	65.75	191.65
INCHES	(20 MPH)	.00	.70	2.83	11.88	28.26	53.14	87.48	131.51	383.31

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

VELOCITY FPS		2200	2074	1953	1724	1517	1336	1189	1081	857
ENERGY FT-LB		741	659	584	455	352	273	216	179	112
DROP INCHES		.00	-.92	-3.86	-16.88	-41.64	-81.58	141.04	225.05	-903.55
BULLET PATH	(200 YDS)	-1.50	2.17	3.83	.00	-15.57	-46.33	-96.60	171.42	-813.17
INCHES	(300 YDS)	-1.50	4.77	9.02	10.38	.00	-25.56	-70.64	140.28	-761.26
(ZERO RANGE)	(400 YDS)	-1.50	7.97	15.41	23.16	19.17	.00	-38.68	101.93	-697.35
	(600 YDS)	-1.50	16.46	32.40	57.14	70.14	67.95	46.26	.00	-527.47
MPBR ZERO	(170 YDS)	-1.50	1.51	2.50	-2.65	-19.54	-51.62	103.21	179.36	-826.40
WIND DRIFT	(10 MPH)	.00	.36	1.47	6.25	14.91	28.02	45.97	68.65	195.25
INCHES	(20 MPH)	.00	.72	2.95	12.50	29.82	56.05	91.95	137.30	390.50

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

VELOCITY FPS		2100	1977	1860	1639	1442	1274	1142	1048	842
ENERGY FT-LB		675	599	530	411	318	248	199	168	108
DROP INCHES		.00	-1.01	-4.24	-18.58	-45.92	-90.05	155.65	247.86	-977.25
BULLET PATH	(200 YDS)	-1.50	2.51	4.30	.00	-17.30	-51.39	106.94	189.11	-878.33
INCHES	(300 YDS)	-1.50	5.39	10.06	11.53	.00	-28.32	-78.11	154.51	-820.68
(ZERO RANGE)	(400 YDS)	-1.50	8.93	17.14	25.69	21.24	.00	-42.71	112.03	-749.87
	(600 YDS)	-1.50	18.27	35.82	63.04	77.26	74.69	50.65	.00	-563.16
MPBR ZERO	(160 YDS)	-1.50	1.54	2.36	-3.87	-23.11	-59.13	116.62	200.72	-897.69
WIND DRIFT	(10 MPH)	.00	.38	1.58	6.68	15.90	29.76	48.50	71.74	198.78
INCHES	(20 MPH)	.00	.77	3.15	13.36	31.80	59.53	96.99	143.47	397.56