

# .224 Dia., 80 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 310 YARDS. SET ZERO AT 265 YARDS.

VELOCITY FPS		3400	3274	3152	2919	2697	2486	2285	2087	1396
ENERGY FT-LB		2053	1904	1765	1513	1292	1098	927	774	346
DROP INCHES		.00	-.38	-1.56	-6.62	-15.77	-29.70	-49.26	-75.49	-279.70
BULLET PATH	(200 YDS)	-1.50	.15	1.00	.00	-5.08	-14.95	-30.45	-52.63	-240.59
INCHES	(300 YDS)	-1.50	1.00	2.69	3.39	.00	-8.17	-21.98	-42.46	-223.65
(ZERO RANGE)	(400 YDS)	-1.50	2.02	4.74	7.48	6.13	.00	-11.76	-30.20	-203.21
	(600 YDS)	-1.50	4.54	9.77	17.54	21.23	20.13	13.40	.00	-152.88
MPBR ZERO	(265 YDS)	-1.50	.68	2.06	2.11	-1.92	-10.73	-25.17	-46.29	-230.03
WIND DRIFT	(10 MPH)	.00	.15	.60	2.48	5.77	10.62	17.25	25.88	87.89
INCHES	(20 MPH)	.00	.30	1.20	4.95	11.53	21.25	34.49	51.75	175.77

MAXIMUM POINT BLANK RANGE IS 300 YARDS. SET ZERO AT 255 YARDS.

VELOCITY FPS		3300	3177	3058	2829	2612	2405	2207	2010	1341
ENERGY FT-LB		1934	1793	1661	1422	1212	1027	865	718	319
DROP INCHES		.00	-.40	-1.66	-7.03	-16.76	-31.58	-52.43	-80.43	-299.85
BULLET PATH	(200 YDS)	-1.50	.23	1.11	.00	-5.46	-16.01	-32.59	-56.33	-258.68
INCHES	(300 YDS)	-1.50	1.14	2.93	3.64	.00	-8.74	-23.50	-45.41	-240.49
(ZERO RANGE)	(400 YDS)	-1.50	2.24	5.11	8.01	6.55	.00	-12.57	-32.31	-218.64
	(600 YDS)	-1.50	4.93	10.50	18.78	22.71	21.54	14.35	.00	-164.80
MPBR ZERO	(255 YDS)	-1.50	.71	2.06	1.90	-2.61	-12.22	-27.85	-50.64	-249.19
WIND DRIFT	(10 MPH)	.00	.15	.62	2.57	5.99	11.06	17.97	27.03	92.25
INCHES	(20 MPH)	.00	.31	1.24	5.14	11.98	22.11	35.94	54.05	184.49

MAXIMUM POINT BLANK RANGE IS 295 YARDS. SET ZERO AT 250 YARDS.

VELOCITY FPS		3200	3080	2963	2740	2527	2323	2126	1933	1289
ENERGY FT-LB		1818	1685	1560	1333	1134	959	803	664	295
DROP INCHES		.00	-.42	-1.76	-7.49	-17.85	-33.66	-55.93	-85.90	-322.33
BULLET PATH	(200 YDS)	-1.50	.32	1.23	.00	-5.87	-17.19	-34.96	-60.44	-278.89
INCHES	(300 YDS)	-1.50	1.30	3.19	3.91	.00	-9.36	-25.18	-48.71	-259.33
(ZERO RANGE)	(400 YDS)	-1.50	2.47	5.53	8.59	7.02	.00	-13.47	-34.66	-235.92
	(600 YDS)	-1.50	5.36	11.30	20.15	24.35	23.11	15.41	.00	-178.16
MPBR ZERO	(250 YDS)	-1.50	.78	2.15	1.85	-3.10	-13.50	-30.34	-54.90	-269.66
WIND DRIFT	(10 MPH)	.00	.16	.65	2.68	6.24	11.53	18.77	28.31	96.97
INCHES	(20 MPH)	.00	.32	1.29	5.35	12.48	23.06	37.54	56.62	193.94

MAXIMUM POINT BLANK RANGE IS 285 YARDS. SET ZERO AT 240 YARDS.

VELOCITY FPS		3100	2983	2869	2650	2441	2241	2044	1856	1239
ENERGY FT-LB		1706	1580	1462	1247	1058	892	742	612	272
DROP INCHES		.00	-.45	-1.88	-7.99	-19.05	-35.96	-59.81	-91.99	-347.50
BULLET PATH	(200 YDS)	-1.50	.42	1.36	.00	-6.32	-18.49	-37.59	-65.03	-301.56
INCHES	(300 YDS)	-1.50	1.47	3.47	4.21	.00	-10.06	-27.05	-52.39	-280.49
(ZERO RANGE)	(400 YDS)	-1.50	2.73	5.98	9.24	7.54	.00	-14.48	-37.30	-255.35
	(600 YDS)	-1.50	5.84	12.20	21.68	26.19	24.87	16.60	.00	-193.18
MPBR ZERO	(240 YDS)	-1.50	.81	2.15	1.57	-3.96	-15.34	-33.66	-60.31	-293.70
WIND DRIFT	(10 MPH)	.00	.17	.67	2.79	6.52	12.06	19.68	29.75	102.08
INCHES	(20 MPH)	.00	.33	1.35	5.58	13.04	24.11	39.35	59.50	204.17

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

VELOCITY FPS		3000	2885	2774	2559	2355	2157	1963	1779	1192
ENERGY FT-LB		1598	1478	1367	1163	985	826	684	562	252
DROP INCHES		.00	-.48	-2.01	-8.54	-20.38	-38.51	-64.13	-98.79	-375.69
BULLET PATH	(200 YDS)	-1.50	.53	1.51	.00	-6.83	-19.93	-40.53	-70.17	-327.00
INCHES	(300 YDS)	-1.50	1.66	3.79	4.55	.00	-10.83	-29.15	-56.52	-304.24
(ZERO RANGE)	(400 YDS)	-1.50	3.02	6.49	9.97	8.12	.00	-15.62	-40.28	-277.17
	(600 YDS)	-1.50	6.37	13.21	23.39	28.26	26.85	17.95	.00	-210.04
MPBR ZERO	(235 YDS)	-1.50	.90	2.25	1.48	-4.61	-16.97	-36.83	-65.73	-319.60
WIND DRIFT	(10 MPH)	.00	.17	.70	2.92	6.82	12.64	20.69	31.35	107.56
INCHES	(20 MPH)	.00	.35	1.41	5.84	13.65	25.28	41.39	62.70	215.12

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

VELOCITY FPS		2900	2788	2679	2469	2268	2071	1881	1701	1149
ENERGY FT-LB		1493	1380	1275	1082	914	762	628	514	234
DROP INCHES		.00	-.52	-2.15	-9.15	-21.86	-41.35	-68.96	106.41	-407.28
BULLET PATH	(200 YDS)	-1.50	.65	1.67	.00	-7.39	-21.55	-43.83	-75.96	-355.53
INCHES	(300 YDS)	-1.50	1.88	4.14	4.92	.00	-11.70	-31.52	-61.19	-330.90
(ZERO RANGE)	(400 YDS)	-1.50	3.34	7.06	10.77	8.77	.00	-16.90	-43.64	-301.66
	(600 YDS)	-1.50	6.98	14.33	25.32	30.59	29.09	19.47	.00	-228.92
MPBR ZERO	(225 YDS)	-1.50	.93	2.24	1.13	-5.69	-19.28	-41.00	-72.57	-349.87
WIND DRIFT	(10 MPH)	.00	.18	.74	3.06	7.16	13.30	21.84	33.14	113.37
INCHES	(20 MPH)	.00	.36	1.47	6.12	14.32	26.60	43.68	66.28	226.74

RANGE	YARDS	MUZZLE	50	100	200	300	400	500	600	1000
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MAXIMUM POINT BLANK RANGE IS 260 YARDS. SET ZERO AT 220 YARDS.

VELOCITY FPS		2800	2690	2584	2378	2181	1985	1800	1625	1110
ENERGY FT-LB		1392	1285	1186	1004	845	699	575	469	219
DROP INCHES		.00	-.55	-2.31	-9.83	-23.51	-44.53	-74.39	115.01	-442.73
BULLET PATH	(200 YDS)	-1.50	.78	1.86	.00	-8.01	-23.36	-47.56	-82.51	-387.57
INCHES	(300 YDS)	-1.50	2.11	4.53	5.34	.00	-12.68	-34.20	-66.49	-360.85
(ZERO RANGE)	(400 YDS)	-1.50	3.70	7.70	11.68	9.51	.00	-18.35	-47.47	-329.16
	(600 YDS)	-1.50	7.65	15.61	27.50	33.24	31.65	21.20	.00	-250.05
MPBR ZERO	(220 YDS)	-1.50	1.02	2.35	.98	-6.55	-21.41	-45.11	-79.58	-382.68
WIND DRIFT	(10 MPH)	.00	.19	.77	3.21	7.54	14.05	23.13	35.15	119.48
INCHES	(20 MPH)	.00	.38	1.55	6.43	15.07	28.11	46.26	70.30	238.96

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

VELOCITY FPS		2700	2593	2488	2287	2090	1899	1718	1549	1076
ENERGY FT-LB		1294	1194	1100	929	775	640	524	426	205
DROP INCHES		.00	-.60	-2.49	-10.59	-25.36	-48.11	-80.53	124.75	-482.53
BULLET PATH	(200 YDS)	-1.50	.93	2.06	.00	-8.72	-25.42	-51.79	-89.97	-423.56
INCHES	(300 YDS)	-1.50	2.38	4.97	5.81	.00	-13.80	-37.26	-72.53	-394.49
(ZERO RANGE)	(400 YDS)	-1.50	4.10	8.42	12.71	10.35	.00	-20.01	-51.83	-360.00
	(600 YDS)	-1.50	8.42	17.06	29.99	36.26	34.56	23.18	.00	-273.61
MPBR ZERO	(210 YDS)	-1.50	1.06	2.32	.53	-7.93	-24.37	-50.48	-88.39	-420.93
WIND DRIFT	(10 MPH)	.00	.20	.81	3.39	7.97	14.92	24.59	37.40	125.84
INCHES	(20 MPH)	.00	.40	1.63	6.77	15.93	29.83	49.18	74.80	251.68

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

VELOCITY FPS		2600	2495	2393	2196	1999	1813	1637	1476	1045
ENERGY FT-LB		1200	1106	1017	856	710	584	476	387	194
DROP INCHES		.00	-.64	-2.68	-11.45	-27.45	-52.17	-87.49	135.81	-526.93
BULLET PATH	(200 YDS)	-1.50	1.09	2.29	.00	-9.53	-27.77	-56.62	-98.46	-463.69
INCHES	(300 YDS)	-1.50	2.68	5.47	6.35	.00	-15.07	-40.74	-79.41	-431.93
(ZERO RANGE)	(400 YDS)	-1.50	4.56	9.23	13.89	11.30	.00	-21.90	-56.81	-394.26
	(600 YDS)	-1.50	9.30	18.70	32.82	39.71	37.87	25.43	.00	-299.58
MPBR ZERO	(205 YDS)	-1.50	1.16	2.43	.29	-9.10	-27.20	-55.90	-97.60	-462.26
WIND DRIFT	(10 MPH)	.00	.21	.86	3.58	8.47	15.89	26.22	39.88	132.29
INCHES	(20 MPH)	.00	.42	1.72	7.16	16.94	31.78	52.45	79.77	264.57

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

VELOCITY FPS		2500	2397	2297	2100	1909	1727	1558	1406	1017
ENERGY FT-LB		1110	1021	937	783	647	530	431	351	183
DROP INCHES		.00	-.70	-2.91	-12.41	-29.82	-56.79	-95.44	148.45	-576.57
BULLET PATH	(200 YDS)	-1.50	1.28	2.55	.00	-10.45	-30.46	-62.15	108.21	-508.50
INCHES	(300 YDS)	-1.50	3.02	6.03	6.97	.00	-16.53	-44.74	-87.31	-473.67
(ZERO RANGE)	(400 YDS)	-1.50	5.09	10.17	15.23	12.40	.00	-24.07	-62.51	-432.34
	(600 YDS)	-1.50	10.30	20.58	36.07	43.65	41.67	28.02	.00	-328.16
MPBR ZERO	(195 YDS)	-1.50	1.20	2.39	-.31	-10.92	-31.08	-62.93	109.14	-510.05
WIND DRIFT	(10 MPH)	.00	.22	.91	3.81	9.06	17.00	28.07	42.64	138.79
INCHES	(20 MPH)	.00	.45	1.82	7.62	18.11	34.01	56.14	85.28	277.57

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

VELOCITY FPS		2400	2300	2202	2005	1819	1643	1481	1338	991
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ENERGY FT-LB		1023	939	861	714	587	479	389	318	174
DROP INCHES		.00	-.76	-3.16	-13.51	-32.53	-62.08	104.55	162.91	-631.78
BULLET PATH	(200 YDS)	-1.50	1.49	2.85	.00	-11.51	-33.56	-68.52	119.37	-558.21
INCHES	(300 YDS)	-1.50	3.41	6.68	7.67	.00	-18.21	-49.33	-96.35	-519.84
(ZERO RANGE)	(400 YDS)	-1.50	5.69	11.24	16.78	13.66	.00	-26.57	-69.03	-474.32
	(600 YDS)	-1.50	11.44	22.74	39.79	48.17	46.02	30.96	.00	-359.26
MPBR ZERO	(190 YDS)	-1.50	1.32	2.51	-.68	-12.53	-34.92	-70.22	121.42	-561.62
WIND DRIFT	(10 MPH)	.00	.24	.97	4.09	9.73	18.27	30.12	45.65	145.20
INCHES	(20 MPH)	.00	.47	1.93	8.17	19.46	36.54	60.25	91.30	290.39

MAXIMUM POINT BLANK RANGE IS 215 YARDS. SET ZERO AT 180 YARDS.

VELOCITY FPS		2300	2202	2102	1911	1729	1560	1407	1274	967
ENERGY FT-LB		939	861	785	648	531	432	351	288	166
DROP INCHES		.00	-.83	-3.45	-14.78	-35.66	-68.19	115.05	179.51	-693.03
BULLET PATH	(200 YDS)	-1.50	1.74	3.19	.00	-12.74	-37.13	-75.85	132.17	-613.13
INCHES	(300 YDS)	-1.50	3.87	7.44	8.49	.00	-20.15	-54.62	106.70	-570.67
(ZERO RANGE)	(400 YDS)	-1.50	6.38	12.47	18.56	15.11	.00	-29.44	-76.48	-520.30
	(600 YDS)	-1.50	12.76	25.22	44.06	53.35	50.99	34.29	.00	-392.84
MPBR ZERO	(180 YDS)	-1.50	1.37	2.45	-1.49	-14.98	-40.11	-79.58	136.65	-620.59
WIND DRIFT	(10 MPH)	.00	.25	1.04	4.43	10.51	19.70	32.40	48.91	151.40
INCHES	(20 MPH)	.00	.50	2.08	8.85	21.02	39.41	64.80	97.82	302.81