

.284 Dia., 160 Gr. HPBT

POINT BLANK RANGE COMPUTED FOR 5.0 INCHES ABOVE AND BELOW LINE OF SIGHT

RANGE	YARDS	MUZZLE	50	100	200	300	400	500	600	1000
MAXIMUM POINT BLANK RANGE IS 380 YARDS. SET ZERO AT 320 YARDS.										
VELOCITY FPS		3200	3069	2942	2701	2477	2263	2059	1867	1257
ENERGY FT-LB		3637	3346	3075	2592	2179	1819	1507	1239	561
DROP INCHES		.00	-.43	-1.77	-7.57	-18.13	-34.38	-57.43	-88.69	-338.33
BULLET PATH	(100 YDS)	-1.50	-.29	.00	-2.52	-9.81	-22.78	-42.56	-70.55	-307.08
INCHES	(200 YDS)	-1.50	.34	1.26	.00	-6.03	-17.74	-36.25	-62.98	-294.48
(ZERO RANGE)	(300 YDS)	-1.50	1.35	3.27	4.02	.00	-9.70	-26.20	-50.92	-274.38
	(400 YDS)	-1.50	2.56	5.70	8.87	7.27	.00	-14.08	-36.37	-250.13
MPBR ZERO	(320 YDS)	-1.50	1.57	3.72	4.93	1.36	-7.88	-23.93	-48.20	-269.83
WIND DRIFT	(10 MPH)	.00	.17	.71	2.94	6.85	12.66	20.61	31.03	104.02
INCHES	(20 MPH)	.00	.35	1.42	5.89	13.71	25.31	41.22	62.07	208.04

MAXIMUM POINT BLANK RANGE IS 365 YARDS. SET ZERO AT 310 YARDS.										
VELOCITY FPS		3100	2972	2848	2614	2394	2184	1985	1797	1215
ENERGY FT-LB		3413	3138	2881	2428	2036	1695	1400	1148	524
DROP INCHES		.00	-.45	-1.89	-8.07	-19.35	-36.70	-61.36	-94.86	-363.27
BULLET PATH	(100 YDS)	-1.50	-.26	.00	-2.79	-10.67	-24.64	-45.90	-76.01	-330.85
INCHES	(200 YDS)	-1.50	.44	1.40	.00	-6.49	-19.06	-38.93	-67.64	-316.90
(ZERO RANGE)	(300 YDS)	-1.50	1.52	3.56	4.33	.00	-10.40	-28.11	-54.66	-295.27
	(400 YDS)	-1.50	2.82	6.16	9.53	7.80	.00	-15.11	-39.06	-269.26
MPBR ZERO	(310 YDS)	-1.50	1.64	3.80	4.81	.72	-9.44	-26.90	-53.21	-292.86
WIND DRIFT	(10 MPH)	.00	.18	.74	3.06	7.13	13.19	21.51	32.43	108.59
INCHES	(20 MPH)	.00	.36	1.48	6.12	14.26	26.37	43.02	64.86	217.17

MAXIMUM POINT BLANK RANGE IS 355 YARDS. SET ZERO AT 300 YARDS.										
VELOCITY FPS		3000	2875	2754	2527	2311	2105	1910	1729	1175
ENERGY FT-LB		3196	2936	2695	2269	1897	1574	1296	1062	490
DROP INCHES		.00	-.49	-2.02	-8.63	-20.69	-39.28	-65.72	-101.72	-390.95
BULLET PATH	(100 YDS)	-1.50	-.22	.00	-3.09	-11.63	-26.69	-49.62	-82.09	-357.23
INCHES	(200 YDS)	-1.50	.55	1.54	.00	-7.00	-20.52	-41.90	-72.83	-341.80
(ZERO RANGE)	(300 YDS)	-1.50	1.71	3.88	4.66	.00	-11.19	-30.24	-58.84	-318.48
	(400 YDS)	-1.50	3.11	6.67	10.26	8.39	.00	-16.25	-42.06	-290.51
MPBR ZERO	(300 YDS)	-1.50	1.71	3.88	4.66	.00	-11.19	-30.24	-58.84	-318.48
WIND DRIFT	(10 MPH)	.00	.19	.77	3.18	7.43	13.77	22.49	33.95	113.41
INCHES	(20 MPH)	.00	.38	1.54	6.36	14.86	27.53	44.99	67.91	226.81

MAXIMUM POINT BLANK RANGE IS 345 YARDS. SET ZERO AT 290 YARDS.										
VELOCITY FPS		2900	2778	2662	2439	2227	2026	1836	1662	1138
ENERGY FT-LB		2987	2742	2518	2114	1762	1458	1197	981	460
DROP INCHES		.00	-.52	-2.16	-9.24	-22.17	-42.12	-70.56	-109.34	-421.58
BULLET PATH	(100 YDS)	-1.50	-.19	.00	-3.41	-12.68	-28.96	-53.74	-88.85	-386.44
INCHES	(200 YDS)	-1.50	.67	1.71	.00	-7.56	-22.14	-45.21	-78.62	-369.38
(ZERO RANGE)	(300 YDS)	-1.50	1.93	4.23	5.04	.00	-12.06	-32.61	-63.50	-344.18
	(400 YDS)	-1.50	3.43	7.24	11.07	9.05	.00	-17.54	-45.41	-314.03
MPBR ZERO	(290 YDS)	-1.50	1.79	3.95	4.49	-.83	-13.16	-33.99	-65.15	-346.94
WIND DRIFT	(10 MPH)	.00	.20	.80	3.31	7.75	14.40	23.57	35.60	118.42
INCHES	(20 MPH)	.00	.40	1.60	6.62	15.50	28.80	47.14	71.20	236.84

MAXIMUM POINT BLANK RANGE IS 335 YARDS. SET ZERO AT 280 YARDS.										
VELOCITY FPS		2800	2683	2570	2351	2144	1947	1763	1595	1105
ENERGY FT-LB		2784	2558	2346	1964	1633	1346	1104	904	433
DROP INCHES		.00	-.56	-2.32	-9.91	-23.81	-45.28	-75.95	-117.82	-455.48
BULLET PATH	(100 YDS)	-1.50	-.15	.00	-3.77	-13.84	-31.50	-58.34	-96.40	-418.77
INCHES	(200 YDS)	-1.50	.80	1.89	.00	-8.19	-23.95	-48.91	-85.08	-399.91
(ZERO RANGE)	(300 YDS)	-1.50	2.16	4.61	5.46	.00	-13.04	-35.27	-68.71	-372.63
	(400 YDS)	-1.50	3.79	7.87	11.98	9.78	.00	-18.97	-49.15	-340.03
MPBR ZERO	(280 YDS)	-1.50	1.87	4.02	4.28	-1.77	-15.40	-38.22	-72.25	-378.53
WIND DRIFT	(10 MPH)	.00	.20	.83	3.44	8.10	15.08	24.73	37.37	123.58
INCHES	(20 MPH)	.00	.40	1.65	6.89	16.20	30.17	49.47	74.74	247.17

MAXIMUM POINT BLANK RANGE IS 320 YARDS. SET ZERO AT 270 YARDS.										
VELOCITY FPS		2700	2586	2475	2261	2058	1866	1689	1527	1074
ENERGY FT-LB		2589	2375	2176	1816	1504	1237	1013	829	409
DROP INCHES		.00	-.60	-2.50	-10.68	-25.68	-48.91	-82.14	-127.58	-494.06

BULLET PATH	(100 YDS)	-1.50	-.10	.00	-4.19	-15.19	-34.41	-63.65	105.09	-455.58
INCHES	(200 YDS)	-1.50	.95	2.09	.00	-8.91	-26.04	-53.18	-92.53	-434.65
(ZERO RANGE)	(300 YDS)	-1.50	2.43	5.06	5.94	.00	-14.17	-38.34	-74.72	-404.96
	(400 YDS)	-1.50	4.20	8.60	13.02	10.62	.00	-20.63	-53.47	-369.55
MPBR ZERO	(270 YDS)	-1.50	1.95	4.11	4.03	-2.86	-17.98	-43.10	-80.44	-414.50
WIND DRIFT	(10 MPH)	.00	.21	.87	3.63	8.55	15.93	26.13	39.45	129.17
INCHES	(20 MPH)	.00	.43	1.74	7.26	17.10	31.87	52.26	78.91	258.34

RANGE	YARDS	MUZZLE	50	100	200	300	400	500	600	1000
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MAXIMUM POINT BLANK RANGE IS 315 YARDS. SET ZERO AT 265 YARDS.

VELOCITY FPS		2600	2488	2380	2171	1972	1786	1616	1461	1045
ENERGY FT-LB		2401	2200	2012	1674	1382	1133	928	759	388
DROP INCHES		.00	-.65	-2.70	-11.55	-27.79	-52.99	-89.11	138.56	-536.81
BULLET PATH	(100 YDS)	-1.50	-.05	.00	-4.65	-16.70	-37.70	-69.62	114.88	-496.33
INCHES	(200 YDS)	-1.50	1.11	2.33	.00	-9.72	-28.40	-57.99	100.93	-473.08
(ZERO RANGE)	(300 YDS)	-1.50	2.73	5.57	6.48	.00	-15.44	-41.79	-81.49	-440.68
	(400 YDS)	-1.50	4.66	9.42	14.20	11.58	.00	-22.50	-58.33	-402.08
MPBR ZERO	(265 YDS)	-1.50	2.13	4.36	4.07	-3.62	-20.27	-47.83	-88.73	-452.75
WIND DRIFT	(10 MPH)	.00	.22	.92	3.84	9.05	16.87	27.65	41.70	134.79
INCHES	(20 MPH)	.00	.45	1.84	7.68	18.09	33.75	55.29	83.40	269.57

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

VELOCITY FPS		2500	2391	2284	2080	1887	1708	1545	1397	1020
ENERGY FT-LB		2220	2030	1854	1537	1265	1036	848	694	369
DROP INCHES		.00	-.70	-2.92	-12.52	-30.17	-57.60	-96.97	150.96	-584.07
BULLET PATH	(100 YDS)	-1.50	.01	.00	-5.17	-18.40	-41.41	-76.36	125.93	-541.35
INCHES	(200 YDS)	-1.50	1.30	2.59	.00	-10.64	-31.06	-63.43	110.41	-515.48
(ZERO RANGE)	(300 YDS)	-1.50	3.08	6.13	7.09	.00	-16.88	-45.70	-89.13	-480.01
	(400 YDS)	-1.50	5.19	10.35	15.53	12.66	.00	-24.60	-63.81	-437.82
MPBR ZERO	(255 YDS)	-1.50	2.24	4.45	3.73	-5.05	-23.61	-54.11	-99.22	-496.84
WIND DRIFT	(10 MPH)	.00	.24	.97	4.07	9.60	17.90	29.29	44.12	140.34
INCHES	(20 MPH)	.00	.48	1.94	8.14	19.20	35.80	58.57	88.23	280.68

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

VELOCITY FPS		2400	2293	2189	1990	1802	1631	1475	1336	996
ENERGY FT-LB		2046	1868	1703	1407	1154	945	773	634	352
DROP INCHES		.00	-.76	-3.17	-13.62	-32.86	-62.82	105.87	164.95	-636.12
BULLET PATH	(100 YDS)	-1.50	.08	.00	-5.77	-20.33	-45.62	-83.99	138.40	-590.87
INCHES	(200 YDS)	-1.50	1.52	2.88	.00	-11.68	-34.08	-69.57	121.09	-562.03
(ZERO RANGE)	(300 YDS)	-1.50	3.46	6.78	7.79	.00	-18.51	-50.10	-97.73	-523.09
	(400 YDS)	-1.50	5.78	11.40	17.04	13.88	.00	-26.97	-69.97	-476.83
MPBR ZERO	(245 YDS)	-1.50	2.35	4.54	3.32	-6.71	-27.45	-61.28	111.14	-545.45
WIND DRIFT	(10 MPH)	.00	.25	1.03	4.32	10.20	19.00	31.04	46.67	145.70
INCHES	(20 MPH)	.00	.50	2.06	8.65	20.40	37.99	62.08	93.34	291.41

MAXIMUM POINT BLANK RANGE IS 280 YARDS. SET ZERO AT 235 YARDS.

VELOCITY FPS		2300	2196	2094	1900	1720	1556	1407	1278	974
ENERGY FT-LB		1879	1713	1558	1283	1051	860	704	580	337
DROP INCHES		.00	-.83	-3.46	-14.87	-35.92	-68.74	115.97	180.78	-693.37
BULLET PATH	(100 YDS)	-1.50	.15	.00	-6.44	-22.53	-50.39	-92.66	152.50	-645.25
INCHES	(200 YDS)	-1.50	1.76	3.22	.00	-12.87	-37.51	-76.55	133.17	-613.03
(ZERO RANGE)	(300 YDS)	-1.50	3.91	7.51	8.58	.00	-20.35	-55.10	107.44	-570.14
	(400 YDS)	-1.50	6.45	12.60	18.75	15.26	.00	-29.66	-76.91	-519.26
MPBR ZERO	(235 YDS)	-1.50	2.47	4.63	2.81	-8.65	-31.88	-69.51	124.73	-598.96
WIND DRIFT	(10 MPH)	.00	.27	1.10	4.61	10.86	20.18	32.91	49.36	150.79
INCHES	(20 MPH)	.00	.54	2.20	9.21	21.72	40.36	65.83	98.72	301.58

MAXIMUM POINT BLANK RANGE IS 270 YARDS. SET ZERO AT 225 YARDS.

VELOCITY FPS		2200	2098	2000	1811	1639	1482	1342	1223	953
ENERGY FT-LB		1719	1564	1420	1165	955	781	640	531	322
DROP INCHES		.00	-.91	-3.79	-16.29	-39.41	-75.49	127.45	198.71	-756.16
BULLET PATH	(100 YDS)	-1.50	.24	.00	-7.21	-25.04	-55.83	102.49	168.47	-704.76
INCHES	(200 YDS)	-1.50	2.04	3.61	.00	-14.22	-41.40	-84.46	146.83	-668.69
(ZERO RANGE)	(300 YDS)	-1.50	4.41	8.35	9.48	.00	-22.44	-60.76	118.38	-621.29
	(400 YDS)	-1.50	7.22	13.96	20.70	16.83	.00	-32.70	-84.72	-565.18
MPBR ZERO	(225 YDS)	-1.50	2.59	4.71	2.20	-10.92	-37.00	-78.95	140.22	-657.68
WIND DRIFT	(10 MPH)	.00	.29	1.17	4.92	11.56	21.44	34.88	52.13	155.47
INCHES	(20 MPH)	.00	.57	2.35	9.83	23.12	42.87	69.77	104.27	310.93

MAXIMUM POINT BLANK RANGE IS 255 YARDS. SET ZERO AT 215 YARDS.

VELOCITY FPS		2100	2001	1905	1725	1560	1411	1281	1172	933
ENERGY FT-LB		1566	1422	1289	1056	864	707	582	488	309
DROP INCHES		.00	-1.00	-4.17	-17.93	-43.41	-83.21	140.51	219.02	-824.73
BULLET PATH	(100 YDS)	-1.50	.33	.00	-8.10	-27.91	-62.04	113.67	186.52	-769.57
INCHES	(200 YDS)	-1.50	2.36	4.05	.00	-15.76	-45.85	-93.43	162.23	-729.08
(ZERO RANGE)	(300 YDS)	-1.50	4.99	9.30	10.51	.00	-24.83	-67.16	130.71	-676.55
	(400 YDS)	-1.50	8.09	15.51	22.92	18.63	.00	-36.12	-93.46	-614.46
MPBR ZERO	(215 YDS)	-1.50	2.72	4.77	1.45	-13.58	-42.94	-89.80	157.87	-721.82
WIND DRIFT	(10 MPH)	.00	.31	1.25	5.25	12.30	22.75	36.91	54.91	159.58
INCHES	(20 MPH)	.00	.61	2.51	10.49	24.59	45.51	73.83	109.83	319.16