

.308 Dia., 165 Gr. HPBT

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 195 METERS. SET ZERO AT 165 METERS.							
VELOCITY FPS		2700	2564	2430	2301	2175	2053
ENERGY FT-LB		2670	2409	2164	1939	1733	1544
DROP INCHES		.00	-.73	-3.03	-7.10	-13.13	-21.35
BULLET PATH	(50 M)	-.80	.00	-.78	-3.32	-7.82	-14.52
INCHES	(100 M)	-.80	.39	.00	-2.15	-6.26	-12.57
(ZERO RANGE)	(150 M)	-.80	1.11	1.43	.00	-3.40	-8.99
	(200 M)	-.80	1.96	3.13	2.55	.00	-4.74
MPBR ZERO	(165 M)	-.80	1.35	1.92	.73	-2.42	-7.77
WIND DRIFT	(10 MPH)	.00	.28	1.15	2.66	4.87	7.84
INCHES	(20 MPH)	.00	.56	2.30	5.32	9.75	15.68

MAXIMUM POINT BLANK RANGE IS 190 METERS. SET ZERO AT 160 METERS.							
VELOCITY FPS		2600	2465	2334	2207	2084	1966
ENERGY FT-LB		2476	2226	1996	1785	1592	1415
DROP INCHES		.00	-.78	-3.28	-7.68	-14.21	-23.14
BULLET PATH	(50 M)	-.80	.00	-.91	-3.73	-8.68	-16.02
INCHES	(100 M)	-.80	.46	.00	-2.36	-6.86	-13.75
(ZERO RANGE)	(150 M)	-.80	1.24	1.58	.00	-3.71	-9.81
	(200 M)	-.80	2.17	3.43	2.78	.00	-5.17
MPBR ZERO	(160 M)	-.80	1.42	1.93	.53	-3.00	-8.93
WIND DRIFT	(10 MPH)	.00	.30	1.23	2.84	5.20	8.35
INCHES	(20 MPH)	.00	.60	2.46	5.69	10.39	16.70

MAXIMUM POINT BLANK RANGE IS 185 METERS. SET ZERO AT 155 METERS.							
VELOCITY FPS		2500	2368	2240	2116	1996	1880
ENERGY FT-LB		2289	2054	1838	1640	1460	1295
DROP INCHES		.00	-.85	-3.55	-8.32	-15.42	-25.12
BULLET PATH	(50 M)	-.80	.00	-1.05	-4.18	-9.62	-17.68
INCHES	(100 M)	-.80	.53	.00	-2.60	-7.52	-15.04
(ZERO RANGE)	(150 M)	-.80	1.39	1.73	.00	-4.05	-10.71
	(200 M)	-.80	2.41	3.76	3.04	.00	-5.65
MPBR ZERO	(155 M)	-.80	1.49	1.92	.29	-3.67	-10.24
WIND DRIFT	(10 MPH)	.00	.32	1.30	3.01	5.51	8.86
INCHES	(20 MPH)	.00	.63	2.61	6.03	11.02	17.72

MAXIMUM POINT BLANK RANGE IS 175 METERS. SET ZERO AT 145 METERS.							
VELOCITY FPS		2400	2271	2146	2025	1908	1796
ENERGY FT-LB		2109	1889	1687	1502	1334	1182
DROP INCHES		.00	-.92	-3.86	-9.05	-16.78	-27.36
BULLET PATH	(50 M)	-.80	.00	-1.22	-4.69	-10.69	-19.55
INCHES	(100 M)	-.80	.61	.00	-2.86	-8.26	-16.52
(ZERO RANGE)	(150 M)	-.80	1.56	1.91	.00	-4.44	-11.74
	(200 M)	-.80	2.67	4.13	3.33	.00	-6.19
MPBR ZERO	(145 M)	-.80	1.46	1.70	-.31	-4.86	-12.26
WIND DRIFT	(10 MPH)	.00	.34	1.38	3.20	5.86	9.42
INCHES	(20 MPH)	.00	.67	2.77	6.40	11.71	18.84

MAXIMUM POINT BLANK RANGE IS 170 METERS. SET ZERO AT 140 METERS.							
VELOCITY FPS		2300	2174	2052	1934	1821	1714
ENERGY FT-LB		1937	1731	1543	1371	1215	1076
DROP INCHES		.00	-1.00	-4.21	-9.88	-18.33	-29.91
BULLET PATH	(50 M)	-.80	.00	-1.40	-5.27	-11.91	-21.69
INCHES	(100 M)	-.80	.70	.00	-3.17	-9.11	-18.19
(ZERO RANGE)	(150 M)	-.80	1.76	2.11	.00	-4.89	-12.91
	(200 M)	-.80	2.98	4.56	3.67	.00	-6.80
MPBR ZERO	(140 M)	-.80	1.53	1.66	-.68	-5.80	-14.04
WIND DRIFT	(10 MPH)	.00	.36	1.47	3.41	6.24	10.03
INCHES	(20 MPH)	.00	.72	2.95	6.82	12.48	20.05

MAXIMUM POINT BLANK RANGE IS 160 METERS. SET ZERO AT 135 METERS.							
VELOCITY FPS		2200	2077	1958	1844	1736	1633
ENERGY FT-LB		1772	1580	1405	1246	1104	977
DROP INCHES		.00	-1.10	-4.61	-10.82	-20.10	-32.82

BULLET PATH	(50 M)	-80	.00	-1.61	-5.93	-13.30	-24.13
INCHES	(100 M)	-80	.80	.00	-3.51	-10.08	-20.10
(ZERO RANGE)	(150 M)	-80	1.98	2.34	.00	-5.40	-14.25
	(200 M)	-80	3.33	5.04	4.05	.00	-7.50
MPBR ZERO	(135 M)	-80	1.60	1.60	-1.12	-6.89	-16.11
WIND DRIFT	(10 MPH)	.00	.38	1.57	3.64	6.65	10.68
INCHES	(20 MPH)	.00	.76	3.14	7.28	13.31	21.35

RANGE METERS		MUZZLE	50	100	150	200	250
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MAXIMUM POINT BLANK RANGE IS 155 METERS. SET ZERO AT 130 METERS.

VELOCITY FPS		2100	1980	1865	1755	1652	1554
ENERGY FT-LB		1615	1437	1274	1129	1000	885
DROP INCHES		.00	-1.21	-5.06	-11.91	-22.13	-36.15
BULLET PATH	(50 M)	-80	.00	-1.85	-6.69	-14.90	-26.91
INCHES	(100 M)	-80	.93	.00	-3.91	-11.20	-22.29
(ZERO RANGE)	(150 M)	-80	2.23	2.61	.00	-5.98	-15.77
	(200 M)	-80	3.72	5.60	4.48	.00	-8.29
MPBR ZERO	(130 M)	-80	1.68	1.51	-1.64	-8.17	-18.51
WIND DRIFT	(10 MPH)	.00	.41	1.68	3.89	7.09	11.36
INCHES	(20 MPH)	.00	.82	3.36	7.78	14.18	22.72

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

VELOCITY FPS		2000	1884	1773	1669	1570	1476
ENERGY FT-LB		1465	1300	1151	1020	903	798
DROP INCHES		.00	-1.33	-5.59	-13.16	-24.46	-39.97
BULLET PATH	(50 M)	-80	.00	-2.13	-7.56	-16.73	-30.11
INCHES	(100 M)	-80	1.06	.00	-4.37	-12.47	-24.79
(ZERO RANGE)	(150 M)	-80	2.52	2.91	.00	-6.64	-17.51
	(200 M)	-80	4.18	6.24	4.98	.00	-9.20
MPBR ZERO	(125 M)	-80	1.76	1.40	-2.27	-9.68	-21.30
WIND DRIFT	(10 MPH)	.00	.44	1.80	4.15	7.55	12.08
INCHES	(20 MPH)	.00	.88	3.60	8.29	15.10	24.15

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

VELOCITY FPS		1900	1788	1683	1583	1489	1401
ENERGY FT-LB		1322	1171	1038	918	812	719
DROP INCHES		.00	-1.48	-6.21	-14.60	-27.14	-44.38
BULLET PATH	(50 M)	-80	.00	-2.45	-8.57	-18.83	-33.80
INCHES	(100 M)	-80	1.22	.00	-4.89	-13.93	-27.67
(ZERO RANGE)	(150 M)	-80	2.86	3.26	.00	-7.41	-19.52
	(200 M)	-80	4.71	6.97	5.56	.00	-10.25
MPBR ZERO	(120 M)	-80	1.85	1.24	-3.03	-11.45	-24.56
WIND DRIFT	(10 MPH)	.00	.47	1.92	4.41	8.01	12.81
INCHES	(20 MPH)	.00	.94	3.83	8.81	16.03	25.61

MAXIMUM POINT BLANK RANGE IS 135 METERS. SET ZERO AT 110 METERS.

VELOCITY FPS		1800	1694	1594	1499	1410	1329
ENERGY FT-LB		1186	1051	931	823	729	647
DROP INCHES		.00	-1.65	-6.91	-16.27	-30.26	-49.47
BULLET PATH	(50 M)	-80	.00	-2.82	-9.73	-21.28	-38.04
INCHES	(100 M)	-80	1.41	.00	-5.50	-15.64	-30.99
(ZERO RANGE)	(150 M)	-80	3.24	3.67	.00	-8.30	-21.83
	(200 M)	-80	5.32	7.82	6.23	.00	-11.45
MPBR ZERO	(110 M)	-80	1.75	.69	-4.47	-14.26	-29.27
WIND DRIFT	(10 MPH)	.00	.49	2.02	4.66	8.47	13.52
INCHES	(20 MPH)	.00	.99	4.04	9.32	16.95	27.05

MAXIMUM POINT BLANK RANGE IS 125 METERS. SET ZERO AT 105 METERS.

VELOCITY FPS		1700	1599	1504	1415	1333	1258
ENERGY FT-LB		1058	937	828	733	651	580
DROP INCHES		.00	-1.85	-7.76	-18.27	-33.98	-55.53
BULLET PATH	(50 M)	-80	.00	-3.26	-11.13	-24.19	-43.10
INCHES	(100 M)	-80	1.63	.00	-6.24	-17.67	-34.94
(ZERO RANGE)	(150 M)	-80	3.71	4.16	.00	-9.35	-24.54
	(200 M)	-80	6.05	8.83	7.01	.00	-12.86
MPBR ZERO	(105 M)	-80	1.83	.39	-5.66	-16.89	-33.97
WIND DRIFT	(10 MPH)	.00	.53	2.16	4.97	9.01	14.33
INCHES	(20 MPH)	.00	1.06	4.32	9.94	18.02	28.65

MAXIMUM POINT BLANK RANGE IS 120 METERS. SET ZERO AT 100 METERS.

VELOCITY FPS		1600	1504	1415	1333	1259	1193
ENERGY FT-LB		937	829	734	651	580	521
DROP INCHES		.00	-2.09	-8.77	-20.65	-38.36	-62.64
BULLET PATH (50 M)		-80	.00	-3.80	-12.79	-27.62	-49.02
INCHES (100 M)		-80	1.90	.00	-7.09	-20.02	-39.51
(ZERO RANGE) (150 M)		-80	4.26	4.72	.00	-10.57	-27.70
(200 M)		-80	6.91	10.01	7.93	.00	-14.49
MPBR ZERO (100 M)		-80	1.90	.00	-7.09	-20.02	-39.51
WIND DRIFT (10 MPH)		.00	.56	2.30	5.28	9.52	15.05
INCHES (20 MPH)		.00	1.13	4.61	10.55	19.04	30.09

RANGE METERS MUZZLE 50 100 150 200 250

MAXIMUM POINT BLANK RANGE IS 115 METERS. SET ZERO AT 95 METERS.

VELOCITY FPS		1500	1411	1329	1255	1189	1133
ENERGY FT-LB		824	729	647	577	518	470
DROP INCHES		.00	-2.39	-9.99	-23.47	-43.56	-70.99
BULLET PATH (50 M)		-80	.00	-4.42	-14.72	-31.62	-55.86
INCHES (100 M)		-80	2.21	.00	-8.09	-22.78	-44.82
(ZERO RANGE) (150 M)		-80	4.91	5.39	.00	-12.00	-31.33
(200 M)		-80	7.90	11.39	9.00	.00	-16.34
MPBR ZERO (95 M)		-80	1.96	-.50	-8.84	-23.78	-46.06
WIND DRIFT (10 MPH)		.00	.60	2.43	5.54	9.93	15.57
INCHES (20 MPH)		.00	1.20	4.87	11.09	19.87	31.14

MAXIMUM POINT BLANK RANGE IS 110 METERS. SET ZERO AT 90 METERS.

VELOCITY FPS		1400	1319	1246	1181	1126	1079
ENERGY FT-LB		717	637	568	511	464	426
DROP INCHES		.00	-2.74	-11.44	-26.86	-49.71	-80.75
BULLET PATH (50 M)		-80	.00	-5.17	-17.05	-36.36	-63.86
INCHES (100 M)		-80	2.59	.00	-9.29	-26.02	-50.93
(ZERO RANGE) (150 M)		-80	5.68	6.19	.00	-13.63	-35.45
(200 M)		-80	9.09	13.01	10.22	.00	-18.41
MPBR ZERO (90 M)		-80	2.01	-1.14	-11.01	-28.31	-53.79
WIND DRIFT (10 MPH)		.00	.63	2.54	5.72	10.14	15.72
INCHES (20 MPH)		.00	1.26	5.07	11.44	20.28	31.44

MAXIMUM POINT BLANK RANGE IS 100 METERS. SET ZERO AT 80 METERS.

VELOCITY FPS		1300	1229	1166	1113	1069	1031
ENERGY FT-LB		619	553	498	454	418	389
DROP INCHES		.00	-3.17	-13.23	-30.91	-56.97	-92.10
BULLET PATH (50 M)		-80	.00	-6.09	-19.80	-41.88	-73.05
INCHES (100 M)		-80	3.04	.00	-10.67	-29.71	-57.83
(ZERO RANGE) (150 M)		-80	6.60	7.11	.00	-15.48	-40.05
(200 M)		-80	10.47	14.86	11.61	.00	-20.70
MPBR ZERO (80 M)		-80	1.74	-2.61	-14.59	-34.94	-64.37
WIND DRIFT (10 MPH)		.00	.64	2.56	5.69	9.96	15.25
INCHES (20 MPH)		.00	1.28	5.11	11.38	19.91	30.51

MAXIMUM POINT BLANK RANGE IS 90 METERS. SET ZERO AT 75 METERS.

VELOCITY FPS		1200	1141	1092	1051	1016	985
ENERGY FT-LB		527	477	437	405	378	355
DROP INCHES		.00	-3.71	-15.39	-35.76	-65.53	-105.34
BULLET PATH (50 M)		-80	.00	-7.16	-23.02	-48.27	-83.57
INCHES (100 M)		-80	3.58	.00	-12.28	-33.94	-65.66
(ZERO RANGE) (150 M)		-80	7.67	8.18	.00	-17.57	-45.20
(200 M)		-80	12.07	16.97	13.18	.00	-23.23
MPBR ZERO (75 M)		-80	1.69	-3.78	-17.94	-41.49	-75.10
WIND DRIFT (10 MPH)		.00	.62	2.42	5.31	9.20	14.00
INCHES (20 MPH)		.00	1.24	4.84	10.63	18.39	28.00

MAXIMUM POINT BLANK RANGE IS 85 METERS. SET ZERO AT 70 METERS.

VELOCITY FPS		1100	1057	1021	990	962	936
ENERGY FT-LB		443	409	382	359	339	321
DROP INCHES		.00	-4.38	-18.05	-41.66	-75.87	-121.27
BULLET PATH (50 M)		-80	.00	-8.48	-26.91	-55.93	-96.15
INCHES (100 M)		-80	4.24	.00	-14.19	-38.97	-74.95

(ZERO RANGE)	(150 M)	-80	8.97	9.46	.00	-20.05	-51.30
	(200 M)	-80	13.98	19.48	15.04	.00	-26.24
MPBR ZERO	(70 M)	-80	1.60	-5.28	-22.11	-49.53	-88.15
WIND DRIFT	(10 MPH)	.00	.53	2.07	4.54	7.89	12.07
INCHES	(20 MPH)	.00	1.07	4.15	9.09	15.78	24.13

MAXIMUM POINT BLANK RANGE IS 80 METERS. SET ZERO AT 65 METERS.

VELOCITY FPS		1000	970	944	920	898	878
ENERGY FT-LB		366	345	326	310	296	282
DROP INCHES		.00	-5.26	-21.52	-49.39	-89.49	-142.44
BULLET PATH	(50 M)	-80	.00	-10.21	-32.02	-66.06	-112.96
INCHES	(100 M)	-80	5.10	.00	-16.70	-45.65	-87.44
(ZERO RANGE)	(150 M)	-80	10.67	11.14	.00	-23.38	-59.60
	(200 M)	-80	16.52	22.82	17.53	.00	-30.38
MPBR ZERO	(65 M)	-80	1.45	-7.32	-27.68	-60.28	-105.73
WIND DRIFT	(10 MPH)	.00	.44	1.72	3.81	6.68	10.31
INCHES	(20 MPH)	.00	.87	3.43	7.61	13.35	20.62