

.277 Dia., 90 Gr. HP

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
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MAXIMUM POINT BLANK RANGE IS 320 YARDS. SET ZERO AT 275 YARDS.

VELOCITY FPS		4000	3693	3409	3142	2892	2661	2444	2053	1724
ENERGY FT-LB		3196	2726	2322	1973	1671	1414	1194	842	594
DROP INCHES		.00	-.28	-1.20	-2.87	-5.42	-9.01	-13.83	-28.12	-50.73
BULLET PATH	(100 YDS)	-1.50	-.43	.00	-.32	-1.52	-3.75	-7.22	-18.81	-38.71
INCHES	(200 YDS)	-1.50	-.05	.76	.82	.00	-1.86	-4.95	-15.77	-34.93
(ZERO RANGE)	(300 YDS)	-1.50	.77	2.41	3.29	3.30	2.26	.00	-9.18	-26.68
	(400 YDS)	-1.50	1.92	4.70	6.73	7.89	8.00	6.88	.00	-15.21
MPBR ZERO	(275 YDS)	-1.50	.54	1.93	2.59	2.35	1.08	-1.42	-11.07	-29.04
WIND DRIFT	(10 MPH)	.00	.27	1.11	2.58	4.73	7.65	11.41	21.81	36.72
INCHES	(20 MPH)	.00	.54	2.22	5.15	9.47	15.31	22.81	43.62	73.44

MAXIMUM POINT BLANK RANGE IS 310 YARDS. SET ZERO AT 265 YARDS.

VELOCITY FPS		3900	3600	3322	3061	2815	2590	2377	1997	1678
ENERGY FT-LB		3039	2590	2205	1872	1583	1341	1129	797	563
DROP INCHES		.00	-.30	-1.27	-3.02	-5.71	-9.49	-14.57	-29.64	-53.52
BULLET PATH	(100 YDS)	-1.50	-.41	.00	-.37	-1.68	-4.08	-7.77	-20.08	-41.19
INCHES	(200 YDS)	-1.50	.00	.84	.88	.00	-1.98	-5.26	-16.73	-37.00
(ZERO RANGE)	(300 YDS)	-1.50	.88	2.59	3.51	3.50	2.40	.00	-9.72	-28.24
	(400 YDS)	-1.50	2.10	5.02	7.16	8.36	8.47	7.29	.00	-16.09
MPBR ZERO	(265 YDS)	-1.50	.54	1.90	2.48	2.13	.68	-2.07	-12.47	-31.68
WIND DRIFT	(10 MPH)	.00	.28	1.14	2.65	4.88	7.88	11.75	22.48	37.85
INCHES	(20 MPH)	.00	.55	2.28	5.30	9.75	15.77	23.50	44.97	75.70

MAXIMUM POINT BLANK RANGE IS 305 YARDS. SET ZERO AT 260 YARDS.

VELOCITY FPS		3800	3507	3235	2979	2740	2520	2310	1940	1633
ENERGY FT-LB		2885	2458	2091	1773	1500	1269	1066	752	533
DROP INCHES		.00	-.31	-1.33	-3.19	-6.02	-10.01	-15.37	-31.29	-56.53
BULLET PATH	(100 YDS)	-1.50	-.40	.00	-.43	-1.85	-4.42	-8.37	-21.46	-43.87
INCHES	(200 YDS)	-1.50	.07	.92	.95	.00	-2.11	-5.59	-17.76	-39.24
(ZERO RANGE)	(300 YDS)	-1.50	1.00	2.79	3.75	3.73	2.55	.00	-10.30	-29.92
	(400 YDS)	-1.50	2.29	5.36	7.61	8.88	8.99	7.73	.00	-17.04
MPBR ZERO	(260 YDS)	-1.50	.58	1.96	2.50	2.07	.48	-2.49	-13.62	-34.07
WIND DRIFT	(10 MPH)	.00	.28	1.18	2.73	5.03	8.13	12.12	23.19	39.03
INCHES	(20 MPH)	.00	.57	2.35	5.46	10.05	16.25	24.24	46.39	78.06

MAXIMUM POINT BLANK RANGE IS 295 YARDS. SET ZERO AT 255 YARDS.

VELOCITY FPS		3700	3414	3148	2897	2665	2448	2242	1883	1587
ENERGY FT-LB		2735	2329	1980	1677	1419	1198	1004	709	503
DROP INCHES		.00	-.33	-1.41	-3.36	-6.35	-10.57	-16.24	-33.09	-59.82
BULLET PATH	(100 YDS)	-1.50	-.38	.00	-.50	-2.04	-4.80	-9.02	-22.96	-46.78
INCHES	(200 YDS)	-1.50	.13	1.02	1.03	.00	-2.25	-5.96	-18.88	-41.69
(ZERO RANGE)	(300 YDS)	-1.50	1.13	3.01	4.01	3.97	2.71	.00	-10.94	-31.76
	(400 YDS)	-1.50	2.49	5.74	8.11	9.44	9.55	8.20	.00	-18.08
MPBR ZERO	(255 YDS)	-1.50	.63	2.02	2.53	2.00	.25	-2.95	-14.88	-36.68
WIND DRIFT	(10 MPH)	.00	.29	1.21	2.82	5.19	8.39	12.52	23.96	40.29
INCHES	(20 MPH)	.00	.59	2.42	5.64	10.38	16.77	25.03	47.92	80.57

MAXIMUM POINT BLANK RANGE IS 290 YARDS. SET ZERO AT 250 YARDS.

VELOCITY FPS		3600	3321	3060	2814	2590	2377	2176	1826	1542
ENERGY FT-LB		2589	2204	1871	1582	1340	1129	946	666	475
DROP INCHES		.00	-.35	-1.49	-3.55	-6.72	-11.18	-17.18	-35.05	-63.39
BULLET PATH	(100 YDS)	-1.50	-.36	.00	-.57	-2.24	-5.21	-9.72	-24.60	-49.95
INCHES	(200 YDS)	-1.50	.21	1.12	1.11	.00	-2.41	-6.36	-20.11	-44.34
(ZERO RANGE)	(300 YDS)	-1.50	1.26	3.24	4.29	4.24	2.89	.00	-11.63	-33.74
	(400 YDS)	-1.50	2.72	6.15	8.65	10.05	10.16	8.72	.00	-19.20
MPBR ZERO	(250 YDS)	-1.50	.69	2.09	2.55	1.93	.00	-3.47	-16.26	-39.52
WIND DRIFT	(10 MPH)	.00	.30	1.25	2.91	5.36	8.67	12.94	24.77	41.60
INCHES	(20 MPH)	.00	.61	2.50	5.83	10.72	17.33	25.89	49.53	83.20

MAXIMUM POINT BLANK RANGE IS 285 YARDS. SET ZERO AT 245 YARDS.

VELOCITY FPS		3500	3227	2972	2734	2514	2304	2112	1772	1497
ENERGY FT-LB		2447	2081	1765	1493	1263	1061	891	627	447
DROP INCHES		.00	-.37	-1.57	-3.76	-7.12	-11.85	-18.22	-37.18	-67.28

BULLET PATH	(100 YDS)	-1.50	-.33	.00	-.65	-2.47	-5.66	-10.49	-26.38	-53.41
INCHES	(200 YDS)	-1.50	.28	1.23	1.20	.00	-2.58	-6.79	-21.45	-47.23
(ZERO RANGE)	(300 YDS)	-1.50	1.42	3.50	4.59	4.53	3.08	.00	-12.39	-35.91
	(400 YDS)	-1.50	2.97	6.60	9.24	10.72	10.83	9.29	.00	-20.43
MPBR ZERO	(245 YDS)	-1.50	.74	2.15	2.58	1.84	-.28	-4.04	-17.77	-42.64
WIND DRIFT	(10 MPH)	.00	.31	1.29	3.02	5.54	8.97	13.40	25.63	43.00
INCHES	(20 MPH)	.00	.63	2.59	6.03	11.08	17.93	26.80	51.27	85.99

RANGE	YARDS	MUZZLE	50	100	150	200	250	300	400	500
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MAXIMUM POINT BLANK RANGE IS 275 YARDS. SET ZERO AT 235 YARDS.

VELOCITY FPS		3400	3134	2884	2653	2437	2231	2047	1719	1451
ENERGY FT-LB		2309	1962	1662	1406	1187	995	837	590	421
DROP INCHES		.00	-.39	-1.67	-3.99	-7.55	-12.58	-19.35	-39.52	-71.54
BULLET PATH	(100 YDS)	-1.50	-.31	.00	-.74	-2.71	-6.15	-11.34	-28.34	-57.19
INCHES	(200 YDS)	-1.50	.37	1.36	1.30	.00	-2.76	-7.27	-22.91	-50.41
(ZERO RANGE)	(300 YDS)	-1.50	1.58	3.78	4.93	4.85	3.30	.00	-13.22	-38.29
	(400 YDS)	-1.50	3.24	7.09	9.89	11.46	11.56	9.92	.00	-21.76
MPBR ZERO	(235 YDS)	-1.50	.75	2.11	2.42	1.50	-.89	-5.02	-19.91	-46.65
WIND DRIFT	(10 MPH)	.00	.32	1.34	3.12	5.74	9.29	13.89	26.55	44.48
INCHES	(20 MPH)	.00	.65	2.68	6.25	11.48	18.59	27.77	53.11	88.96

MAXIMUM POINT BLANK RANGE IS 270 YARDS. SET ZERO AT 230 YARDS.

VELOCITY FPS		3300	3040	2795	2572	2360	2161	1982	1667	1407
ENERGY FT-LB		2175	1846	1561	1322	1113	933	785	555	396
DROP INCHES		.00	-.42	-1.77	-4.24	-8.03	-13.38	-20.59	-42.07	-76.18
BULLET PATH	(100 YDS)	-1.50	-.28	.00	-.83	-2.98	-6.69	-12.26	-30.48	-61.31
INCHES	(200 YDS)	-1.50	.47	1.49	1.40	.00	-2.97	-7.79	-24.51	-53.86
(ZERO RANGE)	(300 YDS)	-1.50	1.76	4.09	5.30	5.19	3.53	.00	-14.13	-40.87
	(400 YDS)	-1.50	3.53	7.62	10.60	12.26	12.36	10.59	.00	-23.21
MPBR ZERO	(230 YDS)	-1.50	.81	2.17	2.43	1.37	-1.25	-5.74	-21.78	-50.43
WIND DRIFT	(10 MPH)	.00	.34	1.39	3.24	5.95	9.64	14.40	27.51	46.02
INCHES	(20 MPH)	.00	.67	2.78	6.47	11.90	19.29	28.79	55.02	92.04

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

VELOCITY FPS		3200	2946	2710	2491	2282	2092	1917	1614	1364
ENERGY FT-LB		2046	1734	1467	1240	1041	875	734	520	371
DROP INCHES		.00	-.44	-1.89	-4.52	-8.55	-14.25	-21.94	-44.88	-81.27
BULLET PATH	(100 YDS)	-1.50	-.25	.00	-.94	-3.27	-7.28	-13.28	-32.82	-65.83
INCHES	(200 YDS)	-1.50	.57	1.64	1.52	.00	-3.19	-8.37	-26.27	-57.64
(ZERO RANGE)	(300 YDS)	-1.50	1.96	4.43	5.70	5.58	3.78	.00	-15.12	-43.70
	(400 YDS)	-1.50	3.85	8.21	11.37	13.14	13.23	11.34	.00	-24.80
MPBR ZERO	(225 YDS)	-1.50	.87	2.25	2.43	1.22	-1.67	-6.54	-23.84	-54.60
WIND DRIFT	(10 MPH)	.00	.35	1.45	3.36	6.18	10.01	14.94	28.52	47.66
INCHES	(20 MPH)	.00	.70	2.89	6.71	12.35	20.03	29.89	57.05	95.31

MAXIMUM POINT BLANK RANGE IS 255 YARDS. SET ZERO AT 220 YARDS.

VELOCITY FPS		3100	2851	2624	2409	2205	2023	1852	1562	1321
ENERGY FT-LB		1920	1625	1376	1160	971	818	685	487	349
DROP INCHES		.00	-.47	-2.01	-4.82	-9.13	-15.22	-23.44	-47.95	-86.83
BULLET PATH	(100 YDS)	-1.50	-.22	.00	-1.05	-3.60	-7.93	-14.39	-35.39	-70.76
INCHES	(200 YDS)	-1.50	.68	1.80	1.65	.00	-3.44	-9.00	-28.20	-61.77
(ZERO RANGE)	(300 YDS)	-1.50	2.18	4.80	6.15	6.00	4.06	.00	-16.20	-46.77
	(400 YDS)	-1.50	4.21	8.85	12.22	14.10	14.19	12.15	.00	-26.52
MPBR ZERO	(220 YDS)	-1.50	.94	2.32	2.43	1.04	-2.14	-7.44	-26.12	-59.17
WIND DRIFT	(10 MPH)	.00	.36	1.50	3.48	6.42	10.40	15.52	29.58	49.35
INCHES	(20 MPH)	.00	.73	3.00	6.97	12.84	20.81	31.05	59.16	98.71

MAXIMUM POINT BLANK RANGE IS 250 YARDS. SET ZERO AT 215 YARDS.

VELOCITY FPS		3000	2759	2538	2327	2131	1954	1788	1510	1280
ENERGY FT-LB		1798	1521	1287	1082	908	763	638	456	327
DROP INCHES		.00	-.50	-2.15	-5.15	-9.76	-16.28	-25.07	-51.32	-92.93
BULLET PATH	(100 YDS)	-1.50	-.18	.00	-1.17	-3.95	-8.65	-15.62	-38.21	-76.17
INCHES	(200 YDS)	-1.50	.81	1.98	1.79	.00	-3.71	-9.69	-30.31	-66.29
(ZERO RANGE)	(300 YDS)	-1.50	2.42	5.21	6.64	6.46	4.37	.00	-17.39	-50.14
	(400 YDS)	-1.50	4.60	9.55	13.16	15.15	15.24	13.04	.00	-28.41
MPBR ZERO	(215 YDS)	-1.50	1.02	2.39	2.42	.83	-2.66	-8.44	-28.64	-64.21
WIND DRIFT	(10 MPH)	.00	.38	1.56	3.62	6.68	10.81	16.14	30.69	51.13
INCHES	(20 MPH)	.00	.76	3.11	7.24	13.36	21.62	32.27	61.38	102.26

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

VELOCITY FPS		2900	2668	2451	2244	2058	1885	1728	1460	1240
ENERGY FT-LB		1680	1422	1200	1006	847	710	597	425	307
DROP INCHES		.00	-.54	-2.30	-5.51	-10.45	-17.44	-26.88	-55.03	-99.62
BULLET PATH	(100 YDS)	-1.50	-.14	.00	-1.31	-4.35	-9.44	-16.97	-41.32	-82.11
INCHES	(200 YDS)	-1.50	.95	2.17	1.95	.00	-4.00	-10.45	-32.62	-71.24
(ZERO RANGE)	(300 YDS)	-1.50	2.69	5.66	7.18	6.97	4.71	.00	-18.68	-53.82
	(400 YDS)	-1.50	5.03	10.33	14.18	16.31	16.39	14.01	.00	-30.46
MPBR ZERO	(205 YDS)	-1.50	1.02	2.32	2.17	.29	-3.63	-10.01	-32.03	-70.50
WIND DRIFT	(10 MPH)	.00	.39	1.61	3.76	6.95	11.24	16.78	31.84	52.96
INCHES	(20 MPH)	.00	.78	3.22	7.53	13.89	22.49	33.55	63.68	105.92