

## .284 Dia., 160 Gr. SBT

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 385 YARDS. SET ZERO AT 325 YARDS.										
VELOCITY FPS		3200	3089	2981	2774	2582	2398	2221	2053	1462
ENERGY FT-LB		3637	3390	3157	2734	2368	2042	1753	1497	759
DROP INCHES		.00	-.42	-1.76	-7.43	-17.61	-33.01	-54.47	-82.97	-295.90
BULLET PATH	(100 YDS)	-1.50	-.30	.00	-2.41	-9.34	-21.49	-39.69	-64.94	-264.83
INCHES	(200 YDS)	-1.50	.31	1.21	.00	-5.72	-16.66	-33.65	-57.70	-252.77
(ZERO RANGE)	(300 YDS)	-1.50	1.26	3.11	3.82	.00	-9.03	-24.12	-46.25	-233.69
	(400 YDS)	-1.50	2.39	5.37	8.33	6.77	.00	-12.83	-32.70	-211.11
MPBR ZERO	(325 YDS)	-1.50	1.53	3.65	4.89	1.61	-6.89	-21.44	-43.04	-228.34
WIND DRIFT	(10 MPH)	.00	.15	.60	2.46	5.68	10.40	16.78	25.00	81.16
INCHES	(20 MPH)	.00	.29	1.19	4.91	11.37	20.80	33.56	50.01	162.32

MAXIMUM POINT BLANK RANGE IS 375 YARDS. SET ZERO AT 315 YARDS.										
VELOCITY FPS		3100	2991	2886	2686	2498	2317	2144	1979	1405
ENERGY FT-LB		3413	3179	2959	2564	2216	1907	1633	1391	701
DROP INCHES		.00	-.45	-1.87	-7.92	-18.78	-35.23	-58.15	-88.64	-317.27
BULLET PATH	(100 YDS)	-1.50	-.26	.00	-2.67	-10.17	-23.24	-42.79	-69.90	-285.05
INCHES	(200 YDS)	-1.50	.40	1.34	.00	-6.16	-17.89	-36.10	-61.88	-271.68
(ZERO RANGE)	(300 YDS)	-1.50	1.43	3.39	4.10	.00	-9.68	-25.84	-49.57	-251.16
	(400 YDS)	-1.50	2.64	5.81	8.94	7.26	.00	-13.74	-35.05	-226.96
MPBR ZERO	(315 YDS)	-1.50	1.60	3.73	4.79	1.02	-8.31	-24.13	-47.52	-247.74
WIND DRIFT	(10 MPH)	.00	.15	.62	2.55	5.90	10.82	17.47	26.07	84.91
INCHES	(20 MPH)	.00	.31	1.24	5.11	11.81	21.63	34.94	52.14	169.81

MAXIMUM POINT BLANK RANGE IS 360 YARDS. SET ZERO AT 305 YARDS.										
VELOCITY FPS		3000	2894	2791	2598	2413	2236	2067	1905	1350
ENERGY FT-LB		3196	2975	2767	2398	2069	1776	1517	1289	647
DROP INCHES		.00	-.48	-2.00	-8.46	-20.08	-37.66	-62.21	-94.90	-341.06
BULLET PATH	(100 YDS)	-1.50	-.23	.00	-2.96	-11.07	-25.16	-46.21	-75.40	-307.55
INCHES	(200 YDS)	-1.50	.51	1.48	.00	-6.63	-19.24	-38.80	-66.51	-292.75
(ZERO RANGE)	(300 YDS)	-1.50	1.61	3.69	4.42	.00	-10.40	-27.75	-53.25	-270.64
	(400 YDS)	-1.50	2.91	6.29	9.62	7.80	.00	-14.75	-37.66	-244.65
MPBR ZERO	(305 YDS)	-1.50	1.67	3.81	4.66	.36	-9.91	-27.14	-52.52	-269.42
WIND DRIFT	(10 MPH)	.00	.16	.65	2.65	6.14	11.27	18.22	27.23	88.96
INCHES	(20 MPH)	.00	.32	1.29	5.31	12.27	22.53	36.45	54.46	177.92

MAXIMUM POINT BLANK RANGE IS 350 YARDS. SET ZERO AT 295 YARDS.										
VELOCITY FPS		2900	2796	2699	2510	2328	2155	1989	1832	1297
ENERGY FT-LB		2987	2778	2587	2238	1926	1650	1406	1192	597
DROP INCHES		.00	-.52	-2.14	-9.06	-21.50	-40.35	-66.70	-101.84	-367.52
BULLET PATH	(100 YDS)	-1.50	-.20	.00	-3.27	-12.07	-27.29	-49.99	-81.49	-332.61
INCHES	(200 YDS)	-1.50	.62	1.64	.00	-7.16	-20.74	-41.80	-71.67	-316.24
(ZERO RANGE)	(300 YDS)	-1.50	1.82	4.02	4.77	.00	-11.19	-29.87	-57.35	-292.37
	(400 YDS)	-1.50	3.22	6.82	10.37	8.39	.00	-15.88	-40.56	-264.40
MPBR ZERO	(295 YDS)	-1.50	1.75	3.89	4.51	-.39	-11.71	-30.52	-58.13	-293.67
WIND DRIFT	(10 MPH)	.00	.17	.67	2.75	6.38	11.75	19.04	28.49	93.31
INCHES	(20 MPH)	.00	.33	1.34	5.50	12.77	23.49	38.07	56.98	186.61

MAXIMUM POINT BLANK RANGE IS 340 YARDS. SET ZERO AT 285 YARDS.										
VELOCITY FPS		2800	2702	2606	2421	2243	2074	1912	1758	1247
ENERGY FT-LB		2784	2593	2413	2082	1788	1528	1299	1098	552
DROP INCHES		.00	-.55	-2.30	-9.71	-23.06	-43.32	-71.67	-109.54	-397.02
BULLET PATH	(100 YDS)	-1.50	-.16	.00	-3.62	-13.17	-29.64	-54.20	-88.27	-360.57
INCHES	(200 YDS)	-1.50	.75	1.81	.00	-7.74	-22.40	-45.15	-77.41	-342.47
(ZERO RANGE)	(300 YDS)	-1.50	2.04	4.39	5.16	.00	-12.07	-32.24	-61.92	-316.66
	(400 YDS)	-1.50	3.55	7.41	11.20	9.06	.00	-17.15	-43.81	-286.47
MPBR ZERO	(285 YDS)	-1.50	1.83	3.97	4.33	-1.25	-13.74	-34.33	-64.43	-320.83
WIND DRIFT	(10 MPH)	.00	.17	.69	2.85	6.64	12.26	19.92	29.85	97.93
INCHES	(20 MPH)	.00	.34	1.38	5.69	13.29	24.52	39.83	59.70	195.85

MAXIMUM POINT BLANK RANGE IS 330 YARDS. SET ZERO AT 275 YARDS.										
VELOCITY FPS		2700	2604	2510	2329	2156	1990	1832	1683	1198
ENERGY FT-LB		2589	2409	2239	1927	1651	1407	1193	1007	510
DROP INCHES		.00	-.59	-2.47	-10.46	-24.86	-46.75	-77.42	-118.46	-431.21

BULLET PATH	(100 YDS)	-1.50	-.11	.00	-4.02	-14.45	-32.37	-59.07	-96.14	-393.01
INCHES	(200 YDS)	-1.50	.89	2.01	.00	-8.42	-24.33	-49.02	-84.09	-372.92
(ZERO RANGE)	(300 YDS)	-1.50	2.30	4.82	5.61	.00	-13.10	-34.99	-67.24	-344.85
	( 400 YDS)	-1.50	3.94	8.09	12.16	9.83	.00	-18.61	-47.59	-312.10
MPBR ZERO	(275 YDS)	-1.50	1.92	4.07	4.12	-2.25	-16.10	-38.73	-71.74	-352.34
WIND DRIFT	(10 MPH)	.00	.18	.72	3.00	7.01	12.94	21.03	31.54	103.23
INCHES	(20 MPH)	.00	.36	1.45	6.00	14.01	25.88	42.06	63.07	206.47

RANGE YARDS MUZZLE 50 100 200 300 400 500 600 1000

MAXIMUM POINT BLANK RANGE IS 320 YARDS. SET ZERO AT 270 YARDS.

VELOCITY FPS		2600	2506	2414	2237	2068	1906	1753	1609	1154
ENERGY FT-LB		2401	2231	2071	1778	1519	1291	1092	920	473
DROP INCHES		.00	-.64	-2.67	-11.30	-26.88	-50.60	-83.89	128.50	-469.60
BULLET PATH	(100 YDS)	-1.50	-.06	.00	-4.47	-15.88	-35.43	-64.56	105.01	-429.44
INCHES	(200 YDS)	-1.50	1.06	2.23	.00	-9.18	-26.50	-53.40	-91.61	-407.11
(ZERO RANGE)	(300 YDS)	-1.50	2.59	5.29	6.12	.00	-14.26	-38.09	-73.25	-376.51
	( 400 YDS)	-1.50	4.37	8.86	13.25	10.69	.00	-20.27	-51.86	-340.86
MPBR ZERO	(270 YDS)	-1.50	2.10	4.32	4.17	-2.92	-18.16	-42.97	-79.10	-386.26
WIND DRIFT	(10 MPH)	.00	.19	.76	3.17	7.41	13.69	22.26	33.38	108.80
INCHES	(20 MPH)	.00	.38	1.53	6.34	14.81	27.37	44.51	66.76	217.60

MAXIMUM POINT BLANK RANGE IS 310 YARDS. SET ZERO AT 260 YARDS.

VELOCITY FPS		2500	2408	2318	2146	1980	1823	1675	1535	1113
ENERGY FT-LB		2220	2060	1910	1636	1393	1181	997	837	440
DROP INCHES		.00	-.69	-2.89	-12.24	-29.15	-54.94	-91.19	139.86	-512.70
BULLET PATH	(100 YDS)	-1.50	.00	.00	-4.97	-17.50	-38.90	-70.77	115.04	-470.34
INCHES	(200 YDS)	-1.50	1.24	2.49	.00	-10.04	-28.96	-58.34	100.13	-445.49
(ZERO RANGE)	(300 YDS)	-1.50	2.91	5.83	6.69	.00	-15.57	-41.60	-80.05	-412.02
	( 400 YDS)	-1.50	4.86	9.72	14.48	11.68	.00	-22.15	-56.70	-373.10
MPBR ZERO	(260 YDS)	-1.50	2.21	4.42	3.88	-4.23	-21.20	-48.65	-88.50	-426.11
WIND DRIFT	(10 MPH)	.00	.20	.81	3.36	7.85	14.51	23.60	35.40	114.55
INCHES	(20 MPH)	.00	.40	1.62	6.72	15.69	29.02	47.20	70.80	229.10

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

VELOCITY FPS		2400	2310	2223	2054	1893	1741	1598	1463	1078
ENERGY FT-LB		2046	1896	1756	1499	1274	1077	907	760	412
DROP INCHES		.00	-.75	-3.13	-13.31	-31.73	-59.85	-99.46	152.72	-560.95
BULLET PATH	(100 YDS)	-1.50	.06	.00	-5.54	-19.32	-42.82	-77.79	126.41	-516.11
INCHES	(200 YDS)	-1.50	1.45	2.77	.00	-11.01	-31.74	-63.94	109.80	-488.41
(ZERO RANGE)	(300 YDS)	-1.50	3.28	6.44	7.34	.00	-17.05	-45.59	-87.77	-451.70
	( 400 YDS)	-1.50	5.42	10.70	15.87	12.79	.00	-24.27	-62.19	-409.07
MPBR ZERO	(250 YDS)	-1.50	2.33	4.53	3.51	-5.74	-24.71	-55.16	-99.26	-470.84
WIND DRIFT	(10 MPH)	.00	.21	.86	3.56	8.33	15.41	25.06	37.60	120.35
INCHES	(20 MPH)	.00	.42	1.72	7.12	16.66	30.82	50.13	75.21	240.69

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

VELOCITY FPS		2300	2213	2128	1963	1807	1660	1521	1393	1046
ENERGY FT-LB		1879	1739	1608	1369	1160	978	821	689	388
DROP INCHES		.00	-.82	-3.42	-14.52	-34.65	-65.44	108.87	167.38	-614.93
BULLET PATH	(100 YDS)	-1.50	.14	.00	-6.19	-21.40	-47.28	-85.79	139.38	-567.27
INCHES	(200 YDS)	-1.50	1.68	3.09	.00	-12.12	-34.91	-70.33	120.83	-536.35
(ZERO RANGE)	(300 YDS)	-1.50	3.70	7.13	8.08	.00	-18.74	-50.12	-96.58	-495.94
	( 400 YDS)	-1.50	6.05	11.82	17.45	14.06	.00	-26.69	-68.47	-449.08
MPBR ZERO	(240 YDS)	-1.50	2.45	4.63	3.07	-7.52	-28.77	-62.66	111.62	-521.01
WIND DRIFT	(10 MPH)	.00	.22	.91	3.78	8.86	16.39	26.66	40.00	126.07
INCHES	(20 MPH)	.00	.45	1.82	7.57	17.72	32.78	53.33	79.99	252.14

MAXIMUM POINT BLANK RANGE IS 275 YARDS. SET ZERO AT 230 YARDS.

VELOCITY FPS		2200	2115	2032	1872	1721	1579	1445	1326	1017
ENERGY FT-LB		1719	1589	1467	1245	1052	885	742	624	367
DROP INCHES		.00	-.90	-3.74	-15.90	-38.00	-71.85	119.68	184.19	-675.42
BULLET PATH	(100 YDS)	-1.50	.22	.00	-6.93	-23.79	-52.40	-95.00	154.27	-624.55
INCHES	(200 YDS)	-1.50	1.95	3.46	.00	-13.40	-38.54	-77.67	133.48	-589.91
(ZERO RANGE)	(300 YDS)	-1.50	4.19	7.93	8.93	.00	-20.68	-55.35	106.69	-545.26
	( 400 YDS)	-1.50	6.77	13.10	19.27	15.51	.00	-29.50	-75.67	-493.55
MPBR ZERO	(230 YDS)	-1.50	2.58	4.73	2.52	-9.61	-33.50	-71.37	125.92	-577.30
WIND DRIFT	(10 MPH)	.00	.24	.97	4.04	9.45	17.48	28.44	42.60	131.64
INCHES	(20 MPH)	.00	.48	1.94	8.08	18.91	34.97	56.88	85.20	263.27

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

VELOCITY FPS		2100	2017	1936	1782	1636	1498	1373	1262	990
ENERGY FT-LB		1566	1445	1332	1127	951	797	669	566	348
DROP INCHES		.00	-.99	-4.11	-17.49	-41.85	-79.21	132.10	203.45	-742.71
BULLET PATH	(100 YDS)	-1.50	.32	.00	-7.78	-26.53	-58.28	105.57	171.31	-688.14
INCHES	(200 YDS)	-1.50	2.26	3.89	.00	-14.85	-42.72	-86.12	147.97	-649.24
(ZERO RANGE)	(300 YDS)	-1.50	4.74	8.84	9.90	.00	-22.91	-61.36	118.26	-599.72
	( 400 YDS)	-1.50	7.60	14.57	21.36	17.18	.00	-32.72	-83.90	-542.45
MPBR ZERO	(220 YDS)	-1.50	2.72	4.82	1.85	-12.08	-39.02	-81.49	142.42	-639.99
WIND DRIFT	(10 MPH)	.00	.25	1.04	4.32	10.10	18.68	30.36	45.35	136.81
INCHES	(20 MPH)	.00	.51	2.08	8.64	20.20	37.36	60.72	90.71	273.63