

## .224 Dia., 63 Gr. SMP

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 190 METERS. SET ZERO AT 160 METERS.						
VELOCITY FPS	2700	2493	2296	2108	1930	1764
ENERGY FT-LB	1019	869	737	621	521	435
DROP INCHES	.00	-.74	-3.16	-7.55	-14.28	-23.81
BULLET PATH (50 M)	-.80	.00	-.87	-3.72	-8.92	-16.90
INCHES (100 M)	-.80	.44	.00	-2.41	-7.17	-14.72
(ZERO RANGE) (150 M)	-.80	1.24	1.61	.00	-3.95	-10.70
(200 M)	-.80	2.23	3.58	2.96	.00	-5.76
MPBR ZERO (160 M)	-.80	1.43	1.98	.55	-3.21	-9.78
WIND DRIFT (10 MPH)	.00	.43	1.81	4.24	7.86	12.81
INCHES (20 MPH)	.00	.87	3.61	8.47	15.72	25.62

MAXIMUM POINT BLANK RANGE IS 185 METERS. SET ZERO AT 155 METERS.						
VELOCITY FPS	2600	2398	2205	2021	1849	1688
ENERGY FT-LB	945	804	680	571	478	398
DROP INCHES	.00	-.80	-3.41	-8.17	-15.47	-25.81
BULLET PATH (50 M)	-.80	.00	-1.01	-4.16	-9.86	-18.61
INCHES (100 M)	-.80	.51	.00	-2.65	-7.84	-16.08
(ZERO RANGE) (150 M)	-.80	1.39	1.76	.00	-4.31	-11.67
(200 M)	-.80	2.47	3.92	3.23	.00	-6.28
MPBR ZERO (155 M)	-.80	1.49	1.96	.30	-3.91	-11.17
WIND DRIFT (10 MPH)	.00	.46	1.91	4.48	8.31	13.55
INCHES (20 MPH)	.00	.92	3.82	8.96	16.62	27.09

MAXIMUM POINT BLANK RANGE IS 175 METERS. SET ZERO AT 145 METERS.						
VELOCITY FPS	2500	2302	2113	1935	1769	1614
ENERGY FT-LB	874	741	624	524	437	364
DROP INCHES	.00	-.87	-3.70	-8.86	-16.80	-28.07
BULLET PATH (50 M)	-.80	.00	-1.16	-4.66	-10.93	-20.53
INCHES (100 M)	-.80	.58	.00	-2.91	-8.60	-17.62
(ZERO RANGE) (150 M)	-.80	1.55	1.94	.00	-4.72	-12.77
(200 M)	-.80	2.73	4.30	3.54	.00	-6.87
MPBR ZERO (145 M)	-.80	1.45	1.73	-.32	-5.15	-13.30
WIND DRIFT (10 MPH)	.00	.49	2.02	4.75	8.81	14.34
INCHES (20 MPH)	.00	.97	4.05	9.51	17.61	28.69

MAXIMUM POINT BLANK RANGE IS 170 METERS. SET ZERO AT 140 METERS.						
VELOCITY FPS	2400	2206	2022	1851	1690	1541
ENERGY FT-LB	805	681	572	479	399	332
DROP INCHES	.00	-.94	-4.02	-9.65	-18.31	-30.62
BULLET PATH (50 M)	-.80	.00	-1.34	-5.22	-12.14	-22.71
INCHES (100 M)	-.80	.67	.00	-3.21	-9.46	-19.36
(ZERO RANGE) (150 M)	-.80	1.74	2.14	.00	-5.18	-14.01
(200 M)	-.80	3.04	4.73	3.89	.00	-7.53
MPBR ZERO (140 M)	-.80	1.51	1.67	-.70	-6.12	-15.17
WIND DRIFT (10 MPH)	.00	.52	2.15	5.04	9.34	15.20
INCHES (20 MPH)	.00	1.03	4.30	10.09	18.67	30.40

MAXIMUM POINT BLANK RANGE IS 160 METERS. SET ZERO AT 135 METERS.						
VELOCITY FPS	2300	2111	1933	1767	1612	1469
ENERGY FT-LB	739	623	522	436	363	302
DROP INCHES	.00	-1.03	-4.39	-10.54	-20.02	-33.51
BULLET PATH (50 M)	-.80	.00	-1.54	-5.86	-13.51	-25.17
INCHES (100 M)	-.80	.77	.00	-3.55	-10.44	-21.33
(ZERO RANGE) (150 M)	-.80	1.95	2.37	.00	-5.70	-15.41
(200 M)	-.80	3.38	5.22	4.28	.00	-8.28
MPBR ZERO (135 M)	-.80	1.57	1.60	-1.15	-7.23	-17.32
WIND DRIFT (10 MPH)	.00	.55	2.29	5.35	9.91	16.12
INCHES (20 MPH)	.00	1.10	4.58	10.71	19.82	32.24

MAXIMUM POINT BLANK RANGE IS 155 METERS. SET ZERO AT 130 METERS.

VELOCITY FPS	2200	2016	1845	1684	1535	1400
ENERGY FT-LB	676	568	476	396	329	274
DROP INCHES	.00	-1.13	-4.81	-11.56	-21.97	-36.80
BULLET PATH ( 50 M )	-.80	.00	-1.76	-6.58	-15.07	-27.98
INCHES (100 M )	-.80	.88	.00	-3.94	-11.55	-23.58
(ZERO RANGE) (150 M )	-.80	2.19	2.63	.00	-6.29	-17.01
(200 M )	-.80	3.77	5.77	4.72	.00	-9.14
MPBR ZERO (130 M )	-.80	1.63	1.51	-1.68	-8.53	-19.81
WIND DRIFT (10 MPH)	.00	.59	2.43	5.69	10.52	17.09
INCHES (20 MPH)	.00	1.17	4.87	11.37	21.04	34.18