

## .4515 Dia., 200 Gr. FPJ Match

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 130 METERS. SET ZERO AT 110 METERS.							
VELOCITY FPS		2000	1670	1388	1176	1055	974
ENERGY FT-LB		1776	1239	856	615	495	421
DROP INCHES		.00	-1.46	-6.68	-17.34	-35.46	-62.88
BULLET PATH (50 M)		-.80	.00	-2.97	-11.37	-27.23	-52.38
INCHES (100 M)		-.80	1.48	.00	-6.92	-21.29	-44.96
(ZERO RANGE) (150 M)		-.80	3.79	4.61	.00	-12.07	-33.44
(200 M)		-.80	6.81	10.65	9.05	.00	-18.35
MPBR ZERO (110 M)		-.80	1.89	.80	-5.71	-19.68	-42.95
WIND DRIFT (10 MPH)		.00	1.37	5.92	14.18	25.74	39.82
INCHES (20 MPH)		.00	2.73	11.83	28.37	51.47	79.64

MAXIMUM POINT BLANK RANGE IS 125 METERS. SET ZERO AT 105 METERS.							
VELOCITY FPS		1900	1583	1318	1136	1029	954
ENERGY FT-LB		1602	1112	771	573	470	404
DROP INCHES		.00	-1.62	-7.43	-19.26	-39.11	-68.75
BULLET PATH (50 M)		-.80	.00	-3.39	-12.80	-30.23	-57.45
INCHES (100 M)		-.80	1.70	.00	-7.71	-23.44	-48.96
(ZERO RANGE) (150 M)		-.80	4.27	5.14	.00	-13.16	-36.11
(200 M)		-.80	7.56	11.72	9.87	.00	-19.66
MPBR ZERO (105 M)		-.80	1.92	.44	-7.04	-22.55	-47.85
WIND DRIFT (10 MPH)		.00	1.46	6.30	14.86	26.45	40.43
INCHES (20 MPH)		.00	2.93	12.59	29.73	52.90	80.85

MAXIMUM POINT BLANK RANGE IS 120 METERS. SET ZERO AT 100 METERS.							
VELOCITY FPS		1800	1497	1251	1098	1004	935
ENERGY FT-LB		1438	995	695	536	448	388
DROP INCHES		.00	-1.81	-8.30	-21.43	-43.14	-75.12
BULLET PATH (50 M)		-.80	.00	-3.89	-14.40	-33.50	-62.88
INCHES (100 M)		-.80	1.94	.00	-8.57	-25.73	-53.16
(ZERO RANGE) (150 M)		-.80	4.80	5.72	.00	-14.30	-38.87
(200 M)		-.80	8.38	12.86	10.72	.00	-21.00
MPBR ZERO (100 M)		-.80	1.94	.00	-8.57	-25.73	-53.16
WIND DRIFT (10 MPH)		.00	1.57	6.68	15.41	26.92	40.70
INCHES (20 MPH)		.00	3.13	13.36	30.82	53.85	81.41

MAXIMUM POINT BLANK RANGE IS 115 METERS. SET ZERO AT 95 METERS.							
VELOCITY FPS		1700	1413	1191	1065	981	917
ENERGY FT-LB		1283	886	630	503	427	373
DROP INCHES		.00	-2.03	-9.32	-23.87	-47.56	-82.01
BULLET PATH (50 M)		-.80	.00	-4.45	-16.17	-37.03	-68.65
INCHES (100 M)		-.80	2.23	.00	-9.50	-28.12	-57.52
(ZERO RANGE) (150 M)		-.80	5.39	6.33	.00	-15.46	-41.70
(200 M)		-.80	9.26	14.06	11.60	.00	-22.37
MPBR ZERO (95 M)		-.80	1.95	-.54	-10.31	-29.21	-58.88
WIND DRIFT (10 MPH)		.00	1.67	7.04	15.77	27.09	40.57
INCHES (20 MPH)		.00	3.34	14.07	31.54	54.18	81.15

MAXIMUM POINT BLANK RANGE IS 110 METERS. SET ZERO AT 90 METERS.							
VELOCITY FPS		1600	1331	1143	1034	958	899
ENERGY FT-LB		1136	787	580	475	407	359
DROP INCHES		.00	-2.30	-10.49	-26.59	-52.39	-89.47
BULLET PATH (50 M)		-.80	.00	-5.10	-18.10	-40.81	-74.79
INCHES (100 M)		-.80	2.55	.00	-10.46	-30.61	-62.05
(ZERO RANGE) (150 M)		-.80	6.03	6.97	.00	-16.67	-44.61
(200 M)		-.80	10.20	15.31	12.50	.00	-23.78
MPBR ZERO (90 M)		-.80	1.95	-1.20	-12.26	-33.02	-65.05
WIND DRIFT (10 MPH)		.00	1.77	7.29	15.87	26.87	39.96
INCHES (20 MPH)		.00	3.55	14.58	31.75	53.75	79.91

MAXIMUM POINT BLANK RANGE IS 105 METERS. SET ZERO AT 85 METERS.							
VELOCITY FPS		1500	1253	1100	1005	936	882
ENERGY FT-LB		999	697	537	448	389	345
DROP INCHES		.00	-2.61	-11.83	-29.61	-57.65	-97.51
BULLET PATH	( 50 M )	-80	.00	-5.81	-20.18	-44.81	-81.26
INCHES	(100 M )	-80	2.90	.00	-11.46	-33.19	-66.73
(ZERO RANGE)	(150 M )	-80	6.73	7.64	.00	-17.90	-47.62
	(200 M )	-80	11.20	16.60	13.43	.00	-25.24
MPBR ZERO	( 85 M )	-80	1.91	-1.99	-14.44	-37.16	-71.70
WIND DRIFT	(10 MPH)	.00	1.86	7.36	15.63	26.18	38.74
INCHES	(20 MPH)	.00	3.73	14.71	31.27	52.37	77.47

RANGE METERS		MUZZLE	50	100	150	200	250
MAXIMUM POINT BLANK RANGE IS 95 METERS. SET ZERO AT 80 METERS.							
VELOCITY FPS		1400	1183	1060	977	914	864
ENERGY FT-LB		870	621	499	424	371	331
DROP INCHES		.00	-2.99	-13.35	-32.93	-63.36	-106.19
BULLET PATH	( 50 M )	-80	.00	-6.57	-22.37	-49.01	-88.05
INCHES	(100 M )	-80	3.29	.00	-12.51	-35.87	-71.62
(ZERO RANGE)	(150 M )	-80	7.46	8.34	.00	-19.19	-50.77
	(200 M )	-80	12.25	17.93	14.39	.00	-26.79
MPBR ZERO	( 80 M )	-80	1.83	-2.90	-16.86	-41.67	-78.88
WIND DRIFT	(10 MPH)	.00	1.92	7.16	14.96	24.91	36.79
INCHES	(20 MPH)	.00	3.84	14.32	29.92	49.82	73.58

MAXIMUM POINT BLANK RANGE IS 90 METERS. SET ZERO AT 75 METERS.							
VELOCITY FPS		1300	1125	1022	949	892	845
ENERGY FT-LB		750	562	464	400	353	317
DROP INCHES		.00	-3.43	-15.03	-36.55	-69.55	-115.59
BULLET PATH	( 50 M )	-80	.00	-7.37	-24.66	-53.44	-95.25
INCHES	(100 M )	-80	3.69	.00	-13.60	-38.70	-76.82
(ZERO RANGE)	(150 M )	-80	8.22	9.07	.00	-20.56	-54.14
	(200 M )	-80	13.36	19.35	15.42	.00	-28.45
MPBR ZERO	( 75 M )	-80	1.70	-3.97	-19.56	-46.64	-86.75
WIND DRIFT	(10 MPH)	.00	1.83	6.61	13.74	22.93	33.98
INCHES	(20 MPH)	.00	3.66	13.22	27.49	45.86	67.95

MAXIMUM POINT BLANK RANGE IS 85 METERS. SET ZERO AT 70 METERS.							
VELOCITY FPS		1200	1071	985	920	869	825
ENERGY FT-LB		639	509	430	376	335	302
DROP INCHES		.00	-3.91	-16.86	-40.49	-76.34	-125.95
BULLET PATH	( 50 M )	-80	.00	-8.23	-27.15	-58.30	-103.19
INCHES	(100 M )	-80	4.12	.00	-14.80	-41.83	-82.60
(ZERO RANGE)	(150 M )	-80	9.05	9.87	.00	-22.10	-57.94
	(200 M )	-80	14.57	20.91	16.57	.00	-30.32
MPBR ZERO	( 70 M )	-80	1.51	-5.22	-22.62	-52.26	-95.64
WIND DRIFT	(10 MPH)	.00	1.50	5.61	11.90	20.14	30.19
INCHES	(20 MPH)	.00	2.99	11.21	23.79	40.28	60.38

MAXIMUM POINT BLANK RANGE IS 85 METERS. SET ZERO AT 70 METERS.							
VELOCITY FPS		1100	1005	936	882	836	795
ENERGY FT-LB		537	448	389	345	310	281
DROP INCHES		.00	-4.57	-19.40	-46.06	-86.05	-140.90
BULLET PATH	( 50 M )	-80	.00	-9.46	-30.74	-65.37	-114.85
INCHES	(100 M )	-80	4.73	.00	-16.55	-46.45	-91.19
(ZERO RANGE)	(150 M )	-80	10.25	11.03	.00	-24.38	-63.61
	(200 M )	-80	16.34	23.22	18.29	.00	-33.13
MPBR ZERO	( 70 M )	-80	1.76	-5.94	-25.46	-58.33	-106.04
WIND DRIFT	(10 MPH)	.00	1.28	4.83	10.39	17.78	26.94
INCHES	(20 MPH)	.00	2.56	9.66	20.77	35.55	53.89

MAXIMUM POINT BLANK RANGE IS 75 METERS. SET ZERO AT 60 METERS.							
VELOCITY FPS		1000	932	878	833	793	755

ENERGY FT-LB		444	386	342	308	279	253
DROP INCHES		.00	-5.43	-22.79	-53.59	-99.33	-161.54
BULLET PATH	( 50 M )	-80	.00	-11.12	-35.69	-75.20	-131.18
INCHES	(100 M )	-80	5.56	.00	-19.01	-52.96	-103.38
(ZERO RANGE)	(150 M )	-80	11.90	12.67	.00	-27.62	-71.70
	(200 M )	-80	18.80	26.48	20.71	.00	-37.18
MPBR ZERO	( 60 M )	-80	1.02	-9.09	-32.64	-71.13	-126.09
WIND DRIFT	(10 MPH)	.00	1.07	4.12	9.00	15.66	24.11
INCHES	(20 MPH)	.00	2.13	8.25	18.01	31.33	48.22

MAXIMUM POINT BLANK RANGE IS 70 METERS. SET ZERO AT 55 METERS.

VELOCITY FPS		900	852	809	771	735	702
ENERGY FT-LB		359	322	291	264	240	219
DROP INCHES		.00	-6.60	-27.51	-64.21	118.36	-191.71
BULLET PATH	( 50 M )	-80	.00	-13.51	-42.81	-89.56	-155.50
INCHES	(100 M )	-80	6.75	.00	-22.55	-62.54	-121.74
(ZERO RANGE)	(150 M )	-80	14.27	15.03	.00	-32.48	-84.16
	(200 M )	-80	22.39	31.27	24.36	.00	-43.56
MPBR ZERO	( 55 M )	-80	.62	-12.27	-40.95	-87.08	-152.40
WIND DRIFT	(10 MPH)	.00	.91	3.60	8.07	14.34	22.45
INCHES	(20 MPH)	.00	1.82	7.20	16.15	28.69	44.91