

## .410 Dia., 220 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 120 METERS. SET ZERO AT 100 METERS.							
VELOCITY FPS		1700	1515	1352	1215	1117	1045
ENERGY FT-LB		1411	1121	892	721	609	533
DROP INCHES		.00	-1.93	-8.40	-20.58	-39.78	-67.29
BULLET PATH (50 M)		-.80	.00	-3.75	-13.20	-29.67	-54.46
INCHES (100 M)		-.80	1.87	.00	-7.57	-22.18	-45.09
(ZERO RANGE) (150 M)		-.80	4.40	5.05	.00	-12.08	-32.46
(200 M)		-.80	7.42	11.09	9.06	.00	-17.37
MPBR ZERO (100 M)		-.80	1.87	.00	-7.57	-22.18	-45.09
WIND DRIFT (10 MPH)		.00	1.01	4.22	9.79	17.64	27.41
INCHES (20 MPH)		.00	2.03	8.44	19.59	35.28	54.83

MAXIMUM POINT BLANK RANGE IS 115 METERS. SET ZERO AT 95 METERS.							
VELOCITY FPS		1600	1426	1276	1159	1076	1014
ENERGY FT-LB		1250	993	795	656	566	502
DROP INCHES		.00	-2.18	-9.49	-23.19	-44.61	-74.98
BULLET PATH (50 M)		-.80	.00	-4.33	-15.05	-33.49	-60.88
INCHES (100 M)		-.80	2.16	.00	-8.56	-24.83	-50.05
(ZERO RANGE) (150 M)		-.80	5.02	5.70	.00	-13.42	-35.79
(200 M)		-.80	8.37	12.42	10.07	.00	-19.02
MPBR ZERO (95 M)		-.80	1.91	-.51	-9.32	-25.85	-51.32
WIND DRIFT (10 MPH)		.00	1.08	4.46	10.22	18.06	27.67
INCHES (20 MPH)		.00	2.16	8.92	20.44	36.12	55.35

MAXIMUM POINT BLANK RANGE IS 110 METERS. SET ZERO AT 90 METERS.							
VELOCITY FPS		1500	1338	1204	1110	1039	985
ENERGY FT-LB		1098	875	708	601	528	474
DROP INCHES		.00	-2.48	-10.78	-26.22	-50.08	-83.53
BULLET PATH (50 M)		-.80	.00	-5.01	-17.17	-37.74	-67.91
INCHES (100 M)		-.80	2.51	.00	-9.65	-27.72	-55.38
(ZERO RANGE) (150 M)		-.80	5.72	6.43	.00	-14.85	-39.30
(200 M)		-.80	9.43	13.86	11.14	.00	-20.73
MPBR ZERO (90 M)		-.80	1.93	-1.14	-11.37	-30.00	-58.24
WIND DRIFT (10 MPH)		.00	1.14	4.66	10.43	18.09	27.39
INCHES (20 MPH)		.00	2.29	9.33	20.86	36.18	54.79

MAXIMUM POINT BLANK RANGE IS 105 METERS. SET ZERO AT 85 METERS.							
VELOCITY FPS		1400	1254	1144	1065	1005	957
ENERGY FT-LB		957	768	639	554	493	447
DROP INCHES		.00	-2.85	-12.31	-29.69	-56.21	-92.99
BULLET PATH (50 M)		-.80	.00	-5.81	-19.55	-42.42	-75.56
INCHES (100 M)		-.80	2.91	.00	-10.83	-30.80	-61.03
(ZERO RANGE) (150 M)		-.80	6.52	7.22	.00	-16.36	-42.98
(200 M)		-.80	10.61	15.40	12.27	.00	-22.53
MPBR ZERO (85 M)		-.80	1.94	-1.94	-13.73	-34.67	-65.87
WIND DRIFT (10 MPH)		.00	1.19	4.74	10.30	17.60	26.43
INCHES (20 MPH)		.00	2.38	9.47	20.61	35.21	52.86

MAXIMUM POINT BLANK RANGE IS 95 METERS. SET ZERO AT 80 METERS.							
VELOCITY FPS		1300	1176	1089	1024	972	929
ENERGY FT-LB		825	675	579	512	461	421
DROP INCHES		.00	-3.29	-14.08	-33.60	-63.03	-103.42
BULLET PATH (50 M)		-.80	.00	-6.69	-22.13	-47.47	-83.76
INCHES (100 M)		-.80	3.35	.00	-12.09	-34.08	-67.03
(ZERO RANGE) (150 M)		-.80	7.38	8.06	.00	-17.96	-46.88
(200 M)		-.80	11.87	17.04	13.47	.00	-24.43
MPBR ZERO (80 M)		-.80	1.90	-2.90	-16.44	-39.88	-74.28
WIND DRIFT (10 MPH)		.00	1.20	4.53	9.70	16.44	24.62
INCHES (20 MPH)		.00	2.39	9.07	19.39	32.89	49.25

MAXIMUM POINT BLANK RANGE IS 90 METERS. SET ZERO AT 75 METERS.							
VELOCITY FPS		1200	1107	1037	983	938	900
ENERGY FT-LB		703	598	525	472	430	395
DROP INCHES		.00	-3.81	-16.08	-37.99	-70.63	-115.02
BULLET PATH	( 50 M )	-80	.00	-7.66	-24.97	-53.00	-92.79
INCHES	(100 M )	-80	3.83	.00	-13.47	-37.67	-73.63
(ZERO RANGE)	(150 M )	-80	8.32	8.98	.00	-19.71	-51.17
	(200 M )	-80	13.25	18.83	14.78	.00	-26.54
MPBR ZERO	( 75 M )	-80	1.80	-4.07	-19.57	-45.80	-83.79
WIND DRIFT	(10 MPH)	.00	1.03	3.95	8.49	14.50	21.87
INCHES	(20 MPH)	.00	2.06	7.89	16.99	29.01	43.74

RANGE METERS		MUZZLE	50	100	150	200	250
MAXIMUM POINT BLANK RANGE IS 85 METERS. SET ZERO AT 70 METERS.							
VELOCITY FPS		1100	1032	979	935	896	857
ENERGY FT-LB		590	520	468	427	392	359
DROP INCHES		.00	-4.47	-18.69	-43.72	-80.60	-130.43
BULLET PATH	( 50 M )	-80	.00	-8.94	-28.70	-60.31	-104.87
INCHES	(100 M )	-80	4.47	.00	-15.29	-42.43	-82.52
(ZERO RANGE)	(150 M )	-80	9.57	10.19	.00	-22.04	-57.04
	(200 M )	-80	15.08	21.21	16.53	.00	-29.48
MPBR ZERO	( 70 M )	-80	1.67	-5.59	-23.67	-53.61	-96.49
WIND DRIFT	(10 MPH)	.00	.88	3.38	7.32	12.62	19.31
INCHES	(20 MPH)	.00	1.77	6.76	14.65	25.23	38.62

MAXIMUM POINT BLANK RANGE IS 80 METERS. SET ZERO AT 65 METERS.							
VELOCITY FPS		1000	952	912	873	836	803
ENERGY FT-LB		488	443	406	372	342	315
DROP INCHES		.00	-5.35	-22.10	-51.34	-94.20	-151.89
BULLET PATH	( 50 M )	-80	.00	-10.61	-33.71	-70.42	-121.96
INCHES	(100 M )	-80	5.31	.00	-17.79	-49.20	-95.43
(ZERO RANGE)	(150 M )	-80	11.24	11.86	.00	-25.48	-65.79
	(200 M )	-80	17.60	24.60	19.11	.00	-33.94
MPBR ZERO	( 65 M )	-80	1.49	-7.63	-29.24	-64.46	-114.51
WIND DRIFT	(10 MPH)	.00	.73	2.84	6.30	11.22	17.57
INCHES	(20 MPH)	.00	1.46	5.68	12.61	22.44	35.15

MAXIMUM POINT BLANK RANGE IS 70 METERS. SET ZERO AT 55 METERS.							
VELOCITY FPS		900	860	825	792	762	734
ENERGY FT-LB		395	361	332	306	283	263
DROP INCHES		.00	-6.54	-27.10	-62.89	-115.13	-185.25
BULLET PATH	( 50 M )	-80	.00	-13.22	-41.66	-86.56	-149.33
INCHES	(100 M )	-80	6.61	.00	-21.84	-60.12	-116.29
(ZERO RANGE)	(150 M )	-80	13.89	14.56	.00	-31.01	-79.89
	(200 M )	-80	21.64	30.06	23.26	.00	-41.13
MPBR ZERO	( 55 M )	-80	.61	-12.00	-39.83	-84.12	-146.28
WIND DRIFT	(10 MPH)	.00	.74	2.93	6.56	11.63	18.18
INCHES	(20 MPH)	.00	1.48	5.86	13.12	23.27	36.35

MAXIMUM POINT BLANK RANGE IS 65 METERS. SET ZERO AT 50 METERS.							
VELOCITY FPS		800	769	740	713	687	662
ENERGY FT-LB		312	288	267	248	230	214
DROP INCHES		.00	-8.13	-33.81	-78.44	-143.51	-230.61
BULLET PATH	( 50 M )	-80	.00	-16.75	-52.45	-108.60	-186.76
INCHES	(100 M )	-80	8.37	.00	-27.33	-75.10	-144.89
(ZERO RANGE)	(150 M )	-80	17.48	18.22	.00	-38.66	-99.35
	(200 M )	-80	27.15	37.55	29.00	.00	-51.02
MPBR ZERO	( 50 M )	-80	.00	-16.75	-52.45	-108.60	-186.76
WIND DRIFT	(10 MPH)	.00	.72	2.91	6.57	11.76	18.50
INCHES	(20 MPH)	.00	1.45	5.81	13.15	23.51	37.00

MAXIMUM POINT BLANK RANGE IS 55 METERS. SET ZERO AT 45 METERS.							
VELOCITY FPS		700	674	650	627	604	583

ENERGY FT-LB		239	222	206	192	178	166
DROP INCHES		.00	-10.59	-44.01	102.00	186.44	-299.34
BULLET PATH	( 50 M )	-80	.00	-22.02	-68.62	141.66	-243.18
INCHES	(100 M )	-80	11.01	.00	-35.58	-97.62	-188.12
(ZERO RANGE)	(150 M )	-80	22.87	23.72	.00	-50.17	-128.81
	(200 M )	-80	35.42	48.81	37.63	.00	-66.10
MPBR ZERO	( 45 M )	-80	-1.02	-24.07	-71.68	145.75	-248.28
WIND DRIFT	(10 MPH)	.00	.78	3.13	7.13	12.82	20.26
INCHES	(20 MPH)	.00	1.55	6.27	14.25	25.63	40.53

MAXIMUM POINT BLANK RANGE IS 50 METERS. SET ZERO AT 40 METERS.

VELOCITY FPS		600	578	557	537	518	500
ENERGY FT-LB		175	163	151	141	131	122
DROP INCHES		.00	-14.42	-59.88	138.79	253.71	-407.44
BULLET PATH	( 50 M )	-80	.00	-30.25	-93.94	193.65	-332.16
INCHES	(100 M )	-80	15.13	.00	-48.56	133.14	-256.53
(ZERO RANGE)	(150 M )	-80	31.31	32.38	.00	-68.39	-175.59
	(200 M )	-80	48.41	66.57	51.29	.00	-90.10
MPBR ZERO	( 40 M )	-80	-2.81	-35.88	102.38	204.90	-346.23
WIND DRIFT	(10 MPH)	.00	.90	3.64	8.30	14.96	23.72
INCHES	(20 MPH)	.00	1.79	7.27	16.59	29.92	47.43