

.4515 Dia., 200 Gr. FPJ Match

POINT BLANK RANGE COMPUTED FOR 2.0 INCHES ABOVE AND BELOW LINE OF SIGHT

RANGE YARDS	MUZZLE	10	20	30	40	50	75	100
MAXIMUM POINT BLANK RANGE IS 115 YARDS. SET ZERO AT 95 YARDS.								
VELOCITY FPS	1550	1498	1448	1400	1355	1311	1213	1143
ENERGY FT-LB	1066	996	931	871	815	763	654	580
DROP INCHES	.00	-.07	-.30	-.69	-1.26	-2.02	-4.83	-9.12
BULLET PATH (20 YDS)	-.80	-.32	.00	.16	.14	-.07	-1.51	-4.42
INCHES (30 YDS)	-.80	-.37	-.10	.00	-.07	-.33	-1.90	-4.94
(ZERO RANGE) (40 YDS)	-.80	-.36	-.07	.05	.00	-.24	-1.77	-4.76
(50 YDS)	-.80	-.31	.03	.20	.19	.00	-1.40	-4.27
MPBR ZERO (95 YDS)	-.80	.07	.78	1.33	1.70	1.88	1.42	-.51
WIND DRIFT (10 MPH)	.00	.06	.24	.54	.96	1.52	3.47	6.17
INCHES (20 MPH)	.00	.12	.47	1.07	1.93	3.03	6.94	12.35

MAXIMUM POINT BLANK RANGE IS 115 YARDS. SET ZERO AT 95 YARDS.								
VELOCITY FPS	1500	1450	1402	1356	1313	1271	1183	1120
ENERGY FT-LB	999	933	873	817	765	718	622	557
DROP INCHES	.00	-.08	-.32	-.74	-1.35	-2.16	-5.15	-9.70
BULLET PATH (20 YDS)	-.80	-.32	.00	.14	.09	-.16	-1.75	-4.89
INCHES (30 YDS)	-.80	-.36	-.09	.00	-.09	-.39	-2.10	-5.36
(ZERO RANGE) (40 YDS)	-.80	-.34	-.05	.07	.00	-.27	-1.92	-5.12
(50 YDS)	-.80	-.29	.06	.23	.22	.00	-1.52	-4.58
MPBR ZERO (95 YDS)	-.80	.12	.87	1.45	1.83	2.02	1.51	-.54
WIND DRIFT (10 MPH)	.00	.06	.24	.55	.99	1.55	3.53	6.20
INCHES (20 MPH)	.00	.12	.49	1.10	1.98	3.11	7.06	12.40

MAXIMUM POINT BLANK RANGE IS 110 YARDS. SET ZERO AT 90 YARDS.								
VELOCITY FPS	1450	1402	1356	1312	1271	1233	1157	1098
ENERGY FT-LB	933	872	816	765	718	675	594	535
DROP INCHES	.00	-.08	-.34	-.79	-1.44	-2.31	-5.50	-10.31
BULLET PATH (20 YDS)	-.80	-.31	.00	.12	.04	-.25	-2.01	-5.40
INCHES (30 YDS)	-.80	-.35	-.08	.00	-.12	-.45	-2.32	-5.81
(ZERO RANGE) (40 YDS)	-.80	-.32	-.02	.09	.00	-.30	-2.10	-5.51
(50 YDS)	-.80	-.26	.10	.27	.24	.00	-1.64	-4.90
MPBR ZERO (90 YDS)	-.80	.11	.85	1.40	1.75	1.88	1.18	-1.13
WIND DRIFT (10 MPH)	.00	.06	.25	.57	1.01	1.59	3.56	6.17
INCHES (20 MPH)	.00	.12	.50	1.13	2.02	3.17	7.11	12.34

MAXIMUM POINT BLANK RANGE IS 110 YARDS. SET ZERO AT 90 YARDS.								
VELOCITY FPS	1400	1354	1310	1269	1231	1196	1131	1077
ENERGY FT-LB	870	814	763	716	673	635	568	515
DROP INCHES	.00	-.09	-.37	-.85	-1.55	-2.47	-5.87	-10.97
BULLET PATH (20 YDS)	-.80	-.31	.00	.10	-.01	-.35	-2.29	-5.93
INCHES (30 YDS)	-.80	-.34	-.07	.00	-.15	-.52	-2.55	-6.27
(ZERO RANGE) (40 YDS)	-.80	-.30	.00	.11	.00	-.34	-2.27	-5.90
(50 YDS)	-.80	-.24	.14	.31	.27	.00	-1.76	-5.22
MPBR ZERO (90 YDS)	-.80	.17	.95	1.52	1.88	2.01	1.26	-1.20
WIND DRIFT (10 MPH)	.00	.06	.25	.58	1.03	1.61	3.53	6.07
INCHES (20 MPH)	.00	.13	.51	1.15	2.05	3.21	7.06	12.14

MAXIMUM POINT BLANK RANGE IS 105 YARDS. SET ZERO AT 85 YARDS.								
VELOCITY FPS	1350	1306	1266	1227	1193	1166	1106	1057
ENERGY FT-LB	809	758	711	669	632	604	543	496
DROP INCHES	.00	-.10	-.40	-.91	-1.66	-2.65	-6.27	-11.66
BULLET PATH (20 YDS)	-.80	-.30	.00	.08	-.07	-.46	-2.59	-6.48
INCHES (30 YDS)	-.80	-.33	-.05	.00	-.18	-.60	-2.79	-6.75
(ZERO RANGE) (40 YDS)	-.80	-.28	.03	.13	.00	-.38	-2.46	-6.31
(50 YDS)	-.80	-.21	.18	.36	.30	.00	-1.89	-5.56
MPBR ZERO (85 YDS)	-.80	.16	.92	1.47	1.78	1.85	.87	-1.87
WIND DRIFT (10 MPH)	.00	.06	.26	.58	1.03	1.60	3.45	5.88
INCHES (20 MPH)	.00	.13	.52	1.17	2.07	3.20	6.90	11.77

MAXIMUM POINT BLANK RANGE IS 105 YARDS. SET ZERO AT 85 YARDS.

VELOCITY FPS		1300	1259	1221	1189	1162	1137	1082	1037
ENERGY FT-LB		750	704	663	627	599	574	520	477
DROP INCHES		.00	-.10	-.43	-.98	-1.78	-2.84	-6.69	-12.38
BULLET PATH	(20 YDS)	-.80	-.29	.00	.06	-.13	-.58	-2.89	-7.05
INCHES	(30 YDS)	-.80	-.31	-.04	.00	-.21	-.67	-3.03	-7.24
(ZERO RANGE)	(40 YDS)	-.80	-.26	.07	.16	.00	-.41	-2.64	-6.73
	(50 YDS)	-.80	-.18	.23	.40	.33	.00	-2.02	-5.90
MPBR ZERO	(85 YDS)	-.80	.22	1.02	1.58	1.90	1.97	.93	-1.97
WIND DRIFT	(10 MPH)	.00	.06	.26	.58	1.01	1.54	3.30	5.61
INCHES	(20 MPH)	.00	.13	.52	1.16	2.02	3.09	6.60	11.22

RANGE YARDS	MUZZLE	10	20	30	40	50	75	100
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MAXIMUM POINT BLANK RANGE IS 100 YARDS. SET ZERO AT 80 YARDS.

VELOCITY FPS		1250	1212	1182	1155	1131	1108	1058	1017
ENERGY FT-LB		693	653	620	593	567	545	497	459
DROP INCHES		.00	-.11	-.46	-1.06	-1.91	-3.04	-7.12	-13.14
BULLET PATH	(20 YDS)	-.80	-.28	.00	.03	-.19	-.69	-3.20	-7.64
INCHES	(30 YDS)	-.80	-.29	-.02	.00	-.24	-.75	-3.28	-7.75
(ZERO RANGE)	(40 YDS)	-.80	-.23	.10	.18	.00	-.45	-2.83	-7.15
	(50 YDS)	-.80	-.14	.28	.45	.36	.00	-2.16	-6.26
MPBR ZERO	(80 YDS)	-.80	.21	.98	1.51	1.77	1.76	.48	-2.73
WIND DRIFT	(10 MPH)	.00	.06	.25	.55	.94	1.43	3.07	5.23
INCHES	(20 MPH)	.00	.13	.51	1.09	1.88	2.87	6.14	10.46

MAXIMUM POINT BLANK RANGE IS 95 YARDS. SET ZERO AT 80 YARDS.

VELOCITY FPS		1200	1172	1146	1122	1100	1079	1035	997
ENERGY FT-LB		639	610	583	559	537	517	476	442
DROP INCHES		.00	-.12	-.50	-1.13	-2.05	-3.25	-7.58	-13.93
BULLET PATH	(20 YDS)	-.80	-.27	.00	.01	-.26	-.81	-3.52	-8.25
INCHES	(30 YDS)	-.80	-.28	-.01	.00	-.27	-.83	-3.54	-8.28
(ZERO RANGE)	(40 YDS)	-.80	-.21	.13	.20	.00	-.49	-3.04	-7.61
	(50 YDS)	-.80	-.11	.32	.50	.39	.00	-2.30	-6.63
MPBR ZERO	(80 YDS)	-.80	.26	1.07	1.62	1.89	1.88	.51	-2.88
WIND DRIFT	(10 MPH)	.00	.05	.21	.46	.81	1.26	2.75	4.74
INCHES	(20 MPH)	.00	.10	.41	.93	1.63	2.52	5.50	9.48

MAXIMUM POINT BLANK RANGE IS 90 YARDS. SET ZERO AT 75 YARDS.

VELOCITY FPS		1150	1125	1103	1082	1063	1046	1007	973
ENERGY FT-LB		587	562	540	520	502	485	450	420
DROP INCHES		.00	-.13	-.54	-1.23	-2.22	-3.51	-8.15	-14.94
BULLET PATH	(20 YDS)	-.80	-.26	.00	-.02	-.34	-.97	-3.94	-9.05
INCHES	(30 YDS)	-.80	-.26	.01	.00	-.31	-.93	-3.88	-8.98
(ZERO RANGE)	(40 YDS)	-.80	-.18	.17	.23	.00	-.54	-3.30	-8.20
	(50 YDS)	-.80	-.07	.39	.56	.43	.00	-2.49	-7.12
MPBR ZERO	(75 YDS)	-.80	.26	1.05	1.55	1.76	1.66	.00	-3.80
WIND DRIFT	(10 MPH)	.00	.05	.20	.44	.77	1.18	2.57	4.43
INCHES	(20 MPH)	.00	.10	.39	.87	1.53	2.36	5.13	8.86

MAXIMUM POINT BLANK RANGE IS 90 YARDS. SET ZERO AT 75 YARDS.

VELOCITY FPS		1100	1079	1060	1043	1027	1012	977	947
ENERGY FT-LB		537	517	499	483	468	454	424	398
DROP INCHES		.00	-.14	-.58	-1.33	-2.40	-3.80	-8.80	-16.07
BULLET PATH	(20 YDS)	-.80	-.25	.00	-.06	-.43	-1.14	-4.41	-9.95
INCHES	(30 YDS)	-.80	-.23	.04	.00	-.36	-1.04	-4.26	-9.75
(ZERO RANGE)	(40 YDS)	-.80	-.14	.22	.27	.00	-.60	-3.59	-8.86
	(50 YDS)	-.80	-.02	.46	.63	.48	.00	-2.70	-7.67
MPBR ZERO	(75 YDS)	-.80	.34	1.18	1.71	1.92	1.80	.00	-4.07
WIND DRIFT	(10 MPH)	.00	.05	.18	.40	.70	1.08	2.35	4.08
INCHES	(20 MPH)	.00	.09	.36	.80	1.40	2.15	4.71	8.15

MAXIMUM POINT BLANK RANGE IS 85 YARDS. SET ZERO AT 70 YARDS.

VELOCITY FPS		1050	1033	1017	1003	989	975	945	918
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ENERGY FT-LB		489	474	459	446	434	422	397	374
DROP INCHES		.00	-.16	-.64	-1.46	-2.62	-4.14	-9.54	-17.37
BULLET PATH	(20 YDS)	-.80	-.24	.00	-.10	-.54	-1.34	-4.95	-10.98
INCHES	(30 YDS)	-.80	-.20	.07	.00	-.41	-1.18	-4.70	-10.65
(ZERO RANGE)	(40 YDS)	-.80	-.10	.27	.31	.00	-.66	-3.93	-9.62
	(50 YDS)	-.80	.03	.54	.71	.53	.00	-2.94	-8.30
MPBR ZERO	(70 YDS)	-.80	.34	1.15	1.63	1.77	1.55	-.62	-5.21
WIND DRIFT	(10 MPH)	.00	.04	.16	.36	.63	.98	2.15	3.75
INCHES	(20 MPH)	.00	.08	.32	.72	1.26	1.96	4.30	7.49

MAXIMUM POINT BLANK RANGE IS 85 YARDS. SET ZERO AT 70 YARDS.

VELOCITY FPS		1000	986	973	960	948	937	911	887
ENERGY FT-LB		444	431	420	409	399	390	368	349
DROP INCHES		.00	-.17	-.70	-1.60	-2.87	-4.52	-10.41	-18.90
BULLET PATH	(20 YDS)	-.80	-.22	.00	-.15	-.67	-1.57	-5.57	-12.20
INCHES	(30 YDS)	-.80	-.17	.10	.00	-.47	-1.33	-5.21	-11.71
(ZERO RANGE)	(40 YDS)	-.80	-.05	.33	.35	.00	-.74	-4.33	-10.53
	(50 YDS)	-.80	.09	.63	.80	.59	.00	-3.22	-9.06
MPBR ZERO	(70 YDS)	-.80	.43	1.31	1.81	1.94	1.69	-.68	-5.67
WIND DRIFT	(10 MPH)	.00	.04	.15	.33	.58	.89	1.98	3.47
INCHES	(20 MPH)	.00	.07	.29	.65	1.15	1.79	3.96	6.93

RANGE YARDS	MUZZLE	10	20	30	40	50	75	100
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MAXIMUM POINT BLANK RANGE IS 80 YARDS. SET ZERO AT 65 YARDS.

VELOCITY FPS		950	938	927	917	906	897	874	853
ENERGY FT-LB		400	391	382	373	365	357	339	323
DROP INCHES		.00	-.19	-.77	-1.75	-3.15	-4.97	-11.42	-20.71
BULLET PATH	(20 YDS)	-.80	-.20	.00	-.20	-.81	-1.85	-6.35	-13.68
INCHES	(30 YDS)	-.80	-.14	.13	.00	-.55	-1.52	-5.84	-13.01
(ZERO RANGE)	(40 YDS)	-.80	.00	.41	.41	.00	-.83	-4.82	-11.64
	(50 YDS)	-.80	.17	.74	.91	.67	.00	-3.57	-9.98
MPBR ZERO	(65 YDS)	-.80	.45	1.30	1.74	1.78	1.39	-1.48	-7.20
WIND DRIFT	(10 MPH)	.00	.03	.13	.30	.53	.83	1.84	3.23
INCHES	(20 MPH)	.00	.07	.27	.60	1.07	1.66	3.68	6.45

MAXIMUM POINT BLANK RANGE IS 75 YARDS. SET ZERO AT 60 YARDS.

VELOCITY FPS		900	890	881	872	864	855	835	816
ENERGY FT-LB		359	352	345	338	331	325	310	296
DROP INCHES		.00	-.21	-.85	-1.94	-3.49	-5.50	-12.62	-22.85
BULLET PATH	(20 YDS)	-.80	-.18	.00	-.27	-.99	-2.17	-7.23	-15.40
INCHES	(30 YDS)	-.80	-.09	.18	.00	-.63	-1.73	-6.57	-14.51
(ZERO RANGE)	(40 YDS)	-.80	.07	.49	.47	.00	-.94	-5.38	-12.93
	(50 YDS)	-.80	.25	.87	1.04	.75	.00	-3.97	-11.05
MPBR ZERO	(60 YDS)	-.80	.46	1.28	1.65	1.57	1.02	-2.44	-9.01
WIND DRIFT	(10 MPH)	.00	.03	.12	.28	.49	.76	1.70	3.02
INCHES	(20 MPH)	.00	.06	.25	.55	.98	1.52	3.41	6.03

MAXIMUM POINT BLANK RANGE IS 75 YARDS. SET ZERO AT 60 YARDS.

VELOCITY FPS		850	841	834	826	818	811	793	775
ENERGY FT-LB		320	314	308	303	297	292	279	267
DROP INCHES		.00	-.23	-.95	-2.17	-3.90	-6.14	-14.08	-25.44
BULLET PATH	(20 YDS)	-.80	-.16	.00	-.34	-1.20	-2.57	-8.31	-17.48
INCHES	(30 YDS)	-.80	-.04	.23	.00	-.74	-1.99	-7.45	-16.34
(ZERO RANGE)	(40 YDS)	-.80	.14	.60	.55	.00	-1.07	-6.07	-14.49
	(50 YDS)	-.80	.36	1.03	1.20	.86	.00	-4.46	-12.35
MPBR ZERO	(60 YDS)	-.80	.59	1.49	1.89	1.78	1.15	-2.73	-10.04
WIND DRIFT	(10 MPH)	.00	.03	.12	.27	.47	.74	1.67	2.97
INCHES	(20 MPH)	.00	.06	.24	.53	.95	1.48	3.34	5.94

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

VELOCITY FPS		800	792	785	778	772	765	748	733
ENERGY FT-LB		284	279	274	269	264	260	249	238
DROP INCHES		.00	-.25	-1.05	-2.40	-4.34	-6.85	-15.75	-28.51
BULLET PATH	(20 YDS)	-.80	-.13	.00	-.44	-1.45	-3.04	-9.63	-20.09

INCHES	(30 YDS)	-80	.02	.29	.00	-.86	-2.31	-8.54	-18.63
(ZERO RANGE)	(40 YDS)	-80	.24	.72	.65	.00	-1.23	-6.92	-16.47
	(50 YDS)	-80	.48	1.21	1.38	.98	.00	-5.07	-14.01
MPBR ZERO	(55 YDS)	-80	.61	1.47	1.77	1.50	.65	-4.10	-12.72
WIND DRIFT	(10 MPH)	.00	.03	.12	.27	.48	.75	1.68	3.00
INCHES	(20 MPH)	.00	.06	.24	.54	.96	1.49	3.37	6.00

MAXIMUM POINT BLANK RANGE IS 65 YARDS. SET ZERO AT 50 YARDS.

VELOCITY FPS		750	743	737	730	724	718	703	689
ENERGY FT-LB		249	245	241	237	233	229	219	210
DROP INCHES		.00	-.28	-1.18	-2.72	-4.92	-7.77	-17.87	-32.35
BULLET PATH	(20 YDS)	-80	-.09	.00	-.55	-1.75	-3.62	-11.24	-23.24
INCHES	(30 YDS)	-80	.10	.37	.00	-1.02	-2.70	-9.86	-21.40
(ZERO RANGE)	(40 YDS)	-80	.35	.88	.76	.00	-1.42	-7.95	-18.86
	(50 YDS)	-80	.64	1.45	1.62	1.14	.00	-5.81	-16.01
MPBR ZERO	(50 YDS)	-80	.64	1.45	1.62	1.14	.00	-5.81	-16.01
WIND DRIFT	(10 MPH)	.00	.03	.12	.27	.49	.77	1.73	3.09
INCHES	(20 MPH)	.00	.06	.24	.55	.98	1.53	3.46	6.17

MAXIMUM POINT BLANK RANGE IS 60 YARDS. SET ZERO AT 50 YARDS.

VELOCITY FPS		700	694	688	682	676	671	657	644
ENERGY FT-LB		217	213	210	206	203	200	192	184
DROP INCHES		.00	-.32	-1.35	-3.12	-5.63	-8.90	-20.48	-37.07
BULLET PATH	(20 YDS)	-80	-.04	.00	-.69	-2.13	-4.33	-13.21	-27.11
INCHES	(30 YDS)	-80	.19	.46	.00	-1.21	-3.17	-11.48	-24.81
(ZERO RANGE)	(40 YDS)	-80	.49	1.07	.90	.00	-1.66	-9.22	-21.79
	(50 YDS)	-80	.83	1.73	1.90	1.33	.00	-6.72	-18.46
MPBR ZERO	(50 YDS)	-80	.83	1.73	1.90	1.33	.00	-6.72	-18.46
WIND DRIFT	(10 MPH)	.00	.03	.13	.29	.51	.80	1.81	3.24
INCHES	(20 MPH)	.00	.06	.25	.57	1.02	1.60	3.62	6.48