

# .4515 Dia., 300 Gr. JSP

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 125 YARDS. SET ZERO AT 105 YARDS.								
VELOCITY FPS	1650	1615	1581	1548	1515	1484	1408	1342
ENERGY FT-LB	1813	1738	1666	1596	1530	1467	1320	1201
DROP INCHES	.00	-.06	-.26	-.59	-1.07	-1.70	-3.98	-7.36
BULLET PATH (20 YDS)	-.75	-.31	.00	.17	.19	.07	-.96	-3.07
INCHES (30 YDS)	-.75	-.37	-.11	.00	-.03	-.22	-1.38	-3.64
(ZERO RANGE) (40 YDS)	-.75	-.36	-.10	.02	.00	-.18	-1.32	-3.56
(50 YDS)	-.75	-.32	-.03	.13	.14	.00	-1.06	-3.21
MPBR ZERO (105 YDS)	-.75	.04	.69	1.21	1.58	1.80	1.64	.39
WIND DRIFT (10 MPH)	.00	.03	.14	.31	.56	.88	2.01	3.61
INCHES (20 MPH)	.00	.07	.27	.62	1.11	1.76	4.02	7.23

MAXIMUM POINT BLANK RANGE IS 125 YARDS. SET ZERO AT 105 YARDS.								
VELOCITY FPS	1600	1566	1533	1501	1469	1439	1369	1307
ENERGY FT-LB	1705	1634	1566	1501	1439	1379	1248	1138
DROP INCHES	.00	-.07	-.27	-.63	-1.14	-1.81	-4.24	-7.82
BULLET PATH (20 YDS)	-.75	-.30	.00	.16	.16	.00	-1.15	-3.46
INCHES (30 YDS)	-.75	-.36	-.10	.00	-.05	-.26	-1.54	-3.98
(ZERO RANGE) (40 YDS)	-.75	-.34	-.08	.04	.00	-.20	-1.45	-3.85
(50 YDS)	-.75	-.30	.00	.16	.16	.00	-1.15	-3.45
MPBR ZERO (105 YDS)	-.75	.08	.77	1.32	1.71	1.93	1.75	.42
WIND DRIFT (10 MPH)	.00	.04	.14	.32	.58	.91	2.07	3.68
INCHES (20 MPH)	.00	.07	.28	.64	1.15	1.81	4.13	7.37

MAXIMUM POINT BLANK RANGE IS 120 YARDS. SET ZERO AT 100 YARDS.								
VELOCITY FPS	1550	1517	1485	1454	1424	1395	1331	1272
ENERGY FT-LB	1600	1533	1470	1409	1351	1296	1181	1078
DROP INCHES	.00	-.07	-.29	-.67	-1.22	-1.93	-4.51	-8.32
BULLET PATH (20 YDS)	-.75	-.30	.00	.14	.12	-.08	-1.36	-3.86
INCHES (30 YDS)	-.75	-.35	-.09	.00	-.07	-.31	-1.71	-4.33
(ZERO RANGE) (40 YDS)	-.75	-.33	-.06	.05	.00	-.22	-1.58	-4.16
(50 YDS)	-.75	-.28	.03	.19	.18	.00	-1.24	-3.71
MPBR ZERO (100 YDS)	-.75	.09	.77	1.30	1.66	1.85	1.54	.00
WIND DRIFT (10 MPH)	.00	.04	.15	.33	.59	.93	2.10	3.73
INCHES (20 MPH)	.00	.07	.29	.66	1.19	1.87	4.20	7.45

MAXIMUM POINT BLANK RANGE IS 120 YARDS. SET ZERO AT 100 YARDS.								
VELOCITY FPS	1500	1468	1438	1408	1381	1355	1294	1238
ENERGY FT-LB	1498	1436	1377	1320	1270	1223	1116	1022
DROP INCHES	.00	-.08	-.31	-.72	-1.30	-2.06	-4.81	-8.86
BULLET PATH (20 YDS)	-.75	-.29	.00	.13	.08	-.15	-1.57	-4.29
INCHES (30 YDS)	-.75	-.34	-.08	.00	-.09	-.36	-1.89	-4.71
(ZERO RANGE) (40 YDS)	-.75	-.31	-.04	.07	.00	-.25	-1.72	-4.48
(50 YDS)	-.75	-.26	.06	.22	.20	.00	-1.34	-3.98
MPBR ZERO (100 YDS)	-.75	.13	.86	1.41	1.79	1.99	1.64	.00
WIND DRIFT (10 MPH)	.00	.04	.15	.34	.61	.95	2.11	3.74
INCHES (20 MPH)	.00	.07	.30	.68	1.22	1.90	4.23	7.48

MAXIMUM POINT BLANK RANGE IS 115 YARDS. SET ZERO AT 95 YARDS.								
VELOCITY FPS	1450	1419	1391	1365	1340	1315	1258	1205
ENERGY FT-LB	1400	1342	1289	1241	1196	1153	1054	968
DROP INCHES	.00	-.08	-.34	-.77	-1.39	-2.20	-5.13	-9.43
BULLET PATH (20 YDS)	-.75	-.29	.00	.11	.03	-.24	-1.81	-4.75
INCHES (30 YDS)	-.75	-.33	-.07	.00	-.11	-.42	-2.08	-5.11
(ZERO RANGE) (40 YDS)	-.75	-.30	-.02	.08	.00	-.28	-1.87	-4.83
(50 YDS)	-.75	-.24	.09	.25	.22	.00	-1.45	-4.27
MPBR ZERO (95 YDS)	-.75	.14	.85	1.39	1.74	1.89	1.39	-.49
WIND DRIFT (10 MPH)	.00	.04	.15	.34	.61	.94	2.10	3.71
INCHES (20 MPH)	.00	.08	.31	.69	1.21	1.88	4.20	7.43

MAXIMUM POINT BLANK RANGE IS 110 YARDS. SET ZERO AT 90 YARDS.

VELOCITY FPS		1400	1373	1348	1323	1299	1276	1222	1176
ENERGY FT-LB		1305	1257	1211	1167	1125	1085	995	922
DROP INCHES		.00	-.09	-.36	-.82	-1.48	-2.35	-5.46	-10.03
BULLET PATH	( 20 YDS)	-.75	-.28	.00	.09	-.01	-.33	-2.06	-5.24
INCHES	( 30 YDS)	-.75	-.31	-.06	.00	-.14	-.48	-2.29	-5.55
(ZERO RANGE)	( 40 YDS)	-.75	-.28	.01	.10	.00	-.31	-2.03	-5.20
	( 50 YDS)	-.75	-.22	.13	.29	.25	.00	-1.57	-4.59
MPBR ZERO	( 90 YDS)	-.75	.14	.84	1.35	1.67	1.78	1.10	-1.03
WIND DRIFT	(10 MPH)	.00	.04	.14	.32	.58	.91	2.04	3.63
INCHES	(20 MPH)	.00	.07	.29	.65	1.16	1.81	4.09	7.26

RANGE YARDS	MUZZLE	10	20	30	40	50	75	100
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MAXIMUM POINT BLANK RANGE IS 110 YARDS. SET ZERO AT 90 YARDS.

VELOCITY FPS		1350	1325	1301	1278	1255	1234	1186	1146
ENERGY FT-LB		1213	1169	1127	1088	1050	1014	936	875
DROP INCHES		.00	-.09	-.39	-.88	-1.59	-2.52	-5.86	-10.75
BULLET PATH	( 20 YDS)	-.75	-.28	.00	.07	-.07	-.43	-2.36	-5.82
INCHES	( 30 YDS)	-.75	-.30	-.05	.00	-.17	-.55	-2.53	-6.06
(ZERO RANGE)	( 40 YDS)	-.75	-.26	.04	.12	.00	-.35	-2.22	-5.64
	( 50 YDS)	-.75	-.19	.17	.33	.28	.00	-1.71	-4.95
MPBR ZERO	( 90 YDS)	-.75	.20	.94	1.49	1.81	1.92	1.18	-1.11
WIND DRIFT	(10 MPH)	.00	.04	.15	.33	.59	.92	2.06	3.60
INCHES	(20 MPH)	.00	.07	.29	.66	1.17	1.83	4.11	7.21

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

VELOCITY FPS		1300	1276	1254	1233	1212	1193	1152	1116
ENERGY FT-LB		1125	1085	1048	1012	979	948	885	830
DROP INCHES		.00	-.10	-.42	-.95	-1.72	-2.72	-6.30	-11.52
BULLET PATH	( 20 YDS)	-.75	-.27	.00	.05	-.14	-.55	-2.68	-6.44
INCHES	( 30 YDS)	-.75	-.28	-.03	.00	-.20	-.63	-2.80	-6.60
(ZERO RANGE)	( 40 YDS)	-.75	-.23	.07	.15	.00	-.38	-2.43	-6.10
	( 50 YDS)	-.75	-.16	.22	.38	.31	.00	-1.85	-5.33
MPBR ZERO	( 85 YDS)	-.75	.20	.94	1.45	1.74	1.79	.83	-1.76
WIND DRIFT	(10 MPH)	.00	.04	.15	.33	.59	.92	2.02	3.50
INCHES	(20 MPH)	.00	.07	.29	.66	1.18	1.83	4.04	7.00

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

VELOCITY FPS		1250	1228	1208	1189	1173	1157	1120	1088
ENERGY FT-LB		1040	1005	972	943	917	892	836	788
DROP INCHES		.00	-.11	-.45	-1.03	-1.85	-2.93	-6.77	-12.34
BULLET PATH	( 20 YDS)	-.75	-.26	.00	.02	-.20	-.68	-3.01	-7.08
INCHES	( 30 YDS)	-.75	-.27	-.01	.00	-.23	-.71	-3.07	-7.15
(ZERO RANGE)	( 40 YDS)	-.75	-.21	.10	.17	.00	-.43	-2.64	-6.58
	( 50 YDS)	-.75	-.12	.27	.43	.34	.00	-2.00	-5.73
MPBR ZERO	( 85 YDS)	-.75	.26	1.04	1.58	1.88	1.93	.89	-1.87
WIND DRIFT	(10 MPH)	.00	.04	.15	.33	.57	.88	1.91	3.31
INCHES	(20 MPH)	.00	.07	.29	.65	1.14	1.76	3.82	6.61

MAXIMUM POINT BLANK RANGE IS 100 YARDS. SET ZERO AT 80 YARDS.

VELOCITY FPS		1200	1183	1166	1151	1136	1121	1089	1060
ENERGY FT-LB		959	932	906	882	859	838	790	749
DROP INCHES		.00	-.12	-.49	-1.11	-2.00	-3.15	-7.26	-13.19
BULLET PATH	( 20 YDS)	-.75	-.25	.00	.00	-.27	-.81	-3.37	-7.76
INCHES	( 30 YDS)	-.75	-.25	.00	.00	-.26	-.80	-3.36	-7.74
(ZERO RANGE)	( 40 YDS)	-.75	-.18	.14	.20	.00	-.47	-2.86	-7.08
	( 50 YDS)	-.75	-.09	.32	.48	.37	.00	-2.16	-6.14
MPBR ZERO	( 80 YDS)	-.75	.26	1.02	1.53	1.78	1.75	.47	-2.64
WIND DRIFT	(10 MPH)	.00	.03	.13	.28	.50	.78	1.72	3.00
INCHES	(20 MPH)	.00	.06	.25	.56	1.00	1.55	3.44	6.01

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

VELOCITY FPS		1150	1135	1120	1107	1094	1082	1054	1029
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ENERGY FT-LB		880	858	836	816	797	780	740	705
DROP INCHES		.00	-.13	-.53	-1.21	-2.16	-3.41	-7.85	-14.23
BULLET PATH	( 20 YDS)	-.75	-.24	.00	-.04	-.36	-.96	-3.80	-8.58
INCHES	( 30 YDS)	-.75	-.23	.02	.00	-.31	-.90	-3.71	-8.46
(ZERO RANGE)	( 40 YDS)	-.75	-.15	.18	.23	.00	-.52	-3.13	-7.70
	( 50 YDS)	-.75	-.05	.39	.54	.42	.00	-2.35	-6.65
MPBR ZERO	( 80 YDS)	-.75	.33	1.15	1.69	1.94	1.91	.51	-2.84
WIND DRIFT	(10 MPH)	.00	.03	.12	.27	.47	.73	1.61	2.81
INCHES	(20 MPH)	.00	.06	.24	.54	.94	1.46	3.23	5.62

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

VELOCITY FPS		1100	1087	1075	1064	1053	1043	1019	997
ENERGY FT-LB		805	787	770	754	739	724	691	662
DROP INCHES		.00	-.14	-.58	-1.31	-2.35	-3.71	-8.51	-15.39
BULLET PATH	( 20 YDS)	-.75	-.23	.00	-.07	-.45	-1.14	-4.28	-9.51
INCHES	( 30 YDS)	-.75	-.20	.05	.00	-.35	-1.02	-4.10	-9.27
(ZERO RANGE)	( 40 YDS)	-.75	-.12	.23	.27	.00	-.58	-3.44	-8.38
	( 50 YDS)	-.75	.00	.46	.61	.46	.00	-2.57	-7.22
MPBR ZERO	( 75 YDS)	-.75	.34	1.14	1.64	1.83	1.71	.00	-3.80
WIND DRIFT	(10 MPH)	.00	.03	.11	.24	.43	.67	1.47	2.57
INCHES	(20 MPH)	.00	.06	.22	.49	.86	1.34	2.94	5.14

RANGE YARDS	MUZZLE	10	20	30	40	50	75	100
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MAXIMUM POINT BLANK RANGE IS 85 YARDS. SET ZERO AT 70 YARDS.

VELOCITY FPS		1050	1039	1029	1020	1011	1002	982	962
ENERGY FT-LB		734	720	706	693	681	669	642	617
DROP INCHES		.00	-.15	-.63	-1.43	-2.57	-4.05	-9.26	-16.73
BULLET PATH	( 20 YDS)	-.75	-.21	.00	-.11	-.56	-1.35	-4.83	-10.57
INCHES	( 30 YDS)	-.75	-.18	.08	.00	-.41	-1.16	-4.55	-10.20
(ZERO RANGE)	( 40 YDS)	-.75	-.07	.28	.31	.00	-.65	-3.78	-9.17
	( 50 YDS)	-.75	.05	.54	.69	.52	.00	-2.82	-7.88
MPBR ZERO	( 70 YDS)	-.75	.35	1.13	1.58	1.70	1.48	-.59	-4.92
WIND DRIFT	(10 MPH)	.00	.02	.10	.22	.39	.60	1.34	2.34
INCHES	(20 MPH)	.00	.05	.20	.44	.78	1.21	2.67	4.68

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

VELOCITY FPS		1000	991	983	975	967	960	942	926
ENERGY FT-LB		666	654	644	633	624	614	592	571
DROP INCHES		.00	-.17	-.69	-1.57	-2.82	-4.44	-10.14	-18.26
BULLET PATH	( 20 YDS)	-.75	-.20	.00	-.16	-.69	-1.58	-5.48	-11.80
INCHES	( 30 YDS)	-.75	-.14	.11	.00	-.47	-1.31	-5.07	-11.27
(ZERO RANGE)	( 40 YDS)	-.75	-.03	.34	.35	.00	-.72	-4.19	-10.09
	( 50 YDS)	-.75	.12	.63	.79	.58	.00	-3.10	-8.64
MPBR ZERO	( 70 YDS)	-.75	.45	1.29	1.77	1.89	1.64	-.65	-5.36
WIND DRIFT	(10 MPH)	.00	.02	.09	.20	.35	.55	1.22	2.15
INCHES	(20 MPH)	.00	.04	.18	.40	.71	1.10	2.44	4.29

MAXIMUM POINT BLANK RANGE IS 80 YARDS. SET ZERO AT 65 YARDS.

VELOCITY FPS		950	943	936	929	923	916	901	881
ENERGY FT-LB		601	592	583	575	567	559	541	517
DROP INCHES		.00	-.18	-.75	-1.72	-3.09	-4.87	-11.13	-20.07
BULLET PATH	( 20 YDS)	-.75	-.18	.00	-.22	-.83	-1.86	-6.24	-13.31
INCHES	( 30 YDS)	-.75	-.11	.14	.00	-.55	-1.50	-5.70	-12.59
(ZERO RANGE)	( 40 YDS)	-.75	.03	.42	.41	.00	-.82	-4.68	-11.22
	( 50 YDS)	-.75	.19	.74	.90	.65	.00	-3.45	-9.59
MPBR ZERO	( 65 YDS)	-.75	.46	1.28	1.71	1.73	1.35	-1.43	-6.89
WIND DRIFT	(10 MPH)	.00	.02	.08	.18	.32	.51	1.13	2.03
INCHES	(20 MPH)	.00	.04	.16	.37	.65	1.01	2.26	4.07

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

VELOCITY FPS		900	891	883	875	867	859	841	823
ENERGY FT-LB		539	529	519	510	501	492	471	451
DROP INCHES		.00	-.21	-.85	-1.94	-3.48	-5.48	-12.56	-22.70
BULLET PATH	( 20 YDS)	-.75	-.16	.00	-.29	-1.03	-2.23	-7.31	-15.46

INCHES	( 30 YDS)	-.75	-.06	.19	.00	-.65	-1.75	-6.59	-14.50
(ZERO RANGE)	( 40 YDS)	-.75	.10	.51	.48	.00	-.95	-5.38	-12.89
	( 50 YDS)	-.75	.29	.89	1.05	.76	.00	-3.96	-11.00
MPBR ZERO	( 60 YDS)	-.75	.49	1.30	1.66	1.57	1.02	-2.43	-8.95
WIND DRIFT	(10 MPH)	.00	.03	.11	.25	.44	.69	1.55	2.74
INCHES	(20 MPH)	.00	.06	.22	.50	.89	1.38	3.10	5.49

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

VELOCITY FPS		850	842	835	828	821	814	798	782
ENERGY FT-LB		481	472	464	457	449	442	424	407
DROP INCHES		.00	-.23	-.95	-2.16	-3.88	-6.12	-14.01	-25.27
BULLET PATH	( 20 YDS)	-.75	-.13	.00	-.37	-1.24	-2.63	-8.40	-17.54
INCHES	( 30 YDS)	-.75	-.01	.24	.00	-.75	-2.02	-7.48	-16.32
(ZERO RANGE)	( 40 YDS)	-.75	.18	.62	.56	.00	-1.08	-6.07	-14.44
	( 50 YDS)	-.75	.39	1.05	1.21	.86	.00	-4.46	-12.29
MPBR ZERO	( 60 YDS)	-.75	.63	1.51	1.90	1.79	1.15	-2.73	-9.98
WIND DRIFT	(10 MPH)	.00	.03	.11	.24	.43	.67	1.52	2.70
INCHES	(20 MPH)	.00	.05	.22	.49	.86	1.35	3.03	5.40

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

VELOCITY FPS		800	793	787	780	774	768	753	738
ENERGY FT-LB		426	419	412	405	399	393	377	363
DROP INCHES		.00	-.24	-1.03	-2.39	-4.31	-6.80	-15.64	-28.31
BULLET PATH	( 20 YDS)	-.75	-.10	.00	-.46	-1.49	-3.09	-9.70	-20.13
INCHES	( 30 YDS)	-.75	.05	.31	.00	-.87	-2.33	-8.55	-18.60
(ZERO RANGE)	( 40 YDS)	-.75	.27	.74	.66	.00	-1.23	-6.91	-16.42
	( 50 YDS)	-.75	.52	1.24	1.40	.99	.00	-5.06	-13.95
MPBR ZERO	( 55 YDS)	-.75	.65	1.50	1.79	1.51	.65	-4.09	-12.65
WIND DRIFT	(10 MPH)	.00	.03	.11	.24	.43	.68	1.53	2.73
INCHES	(20 MPH)	.00	.05	.22	.49	.87	1.36	3.06	5.45