

# .338 Lapua Mag. SWISS P Ball

## 16.3 g / 251 gr

Match grade accuracy

Minimised muzzle flash for better concealment of the shooter

Temperature independent propellant guarantees a consistent point of impact

Coordinated ballistics with SWISS P Target, Styx Action, Armour Piercing and Tactical rounds up to 300 m

Also available as L916



### Cartridge

**8.6x70 / .338 Lapua Mag.**

projectile	FMJ, 16.3 g / 251 gr
projectile material	tombac jacket, lead core
ballistic coefficient G1	0.6571 (ICAO)
primer / propellant	SINOXID / double base powder
case material	CuZn - alloy
cartridge weight	44.5 g

### Performance

term of reference	C.I.P.
mean chamber pressure	max. 4 200 bar (21°C)
muzzle velocity	855 m/s (2 805 fps) 650 mm barrel
muzzle energy	5 958 J
accuracy at 300 m	$S_a \leq 26$ mm

### Packaging

standard cardboard box	20rds / cardboard box, 200rds / cardboard box, 10000rds EU pallet
military M2A1 metal box	10rds / cardboard box, 200rds / M2A1 metal box, 16000rds EU pallet

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Ballistic Coefficients	855 m/s	340 m/s	200 m/s
Drag Coefficient	0.2614	0.4380	0.2328
Ballistic Coefficient G1	0.6571	0.3135	0.3089
Ballistic Coefficient G7	0.3420	0.2505	0.1791

Ballistic Coefficients	2805 fps	1115 fps	656 fps
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Trajectory	0 m	100 m	300 m	500 m	700 m	900 m	1000 m	1100 m	1200 m	1300 m	1400 m	1500 m	1600 m
Velocity [m/s]	855	807	713	625	541	462	425	390	354	326	312	301	291
Energy [J]	5'958	5'308	4'143	3'184	2'385	1'740	1'472	1'240	1'021	866	793	738	690
Time of flight [ms]	0	120	384	684	1028	1428	1654	1900	2169	2464	2779	3106	3445
Wind drift [cm]	0	2	17	49	105	188	242	306	383	472	571	676	787

  

Trajectory	0 yds	100 yds	300 yds	500 yds	700 yds	900 yds	1000 yds	1100 yds	1200 yds	1300 yds	1400 yds	1500 yds	1600 yds
Velocity [fps]	2805	2663	2384	2122	1871	1636	1528	1425	1245	1117	1067	1029	994
Energy [J]	5958	5370	4303	3409	2652	2026	1769	1538	1174	944	861	801	748
Time of flight [ms]	0	109	343	599	880	1189	1349	1511	1786	2128	2425	2722	3032
Wind drift [inch]	0	0.62	5.78	16.70	34.68	61.32	77.01	96.80	119.85	146.66	178.12	212.96	249.90

Test barrel length: 650 mm / Twist rate: 10" / Crosswind velocity: 5 m/s Reference conditions: 15 °C/59 °F / 1013.25 hPa / 0% humidity / 0 m/ft above sea level

Trajectory	cm	100 m	300 m	500 m	700 m	900 m	1000 m	1100 m	1200 m	1300 m	1400 m	1500 m	1600 m
Rifle zeroed at	100 m	x	-41	-152	-358	-701	-944	-1249	-1635	-2119	-2712	-3423	-4262
	300 m	14	x	-82	-260	-576	-804	-1095	-1467	-1937	-2516	-3214	-4038
	500 m	30	50	x	-144	-426	-638	-913	-1268	-1721	-2284	-2965	-3772
	700 m	51	113	106	x	-238	-429	-682	-1017	-1449	-1990	-2650	-3437
	900 m	77	192	237	186	x	-167	-394	-702	-1108	-1624	-2257	-3017
	1000 m	94	241	319	302	147	x	-212	-503	-893	-1391	-2008	-2752
	1100 m	113	299	415	436	320	191	x	-273	-643	-1122	-1720	-2444
	1200 m	136	367	529	595	524	418	249	x	-348	-805	-1379	-2080
	1300 m	163	448	664	784	767	688	546	324	x	-426	-973	-1647
	1400 m	194	540	817	998	1042	994	882	691	401	x	-515	-1158

Trajectory	inch	100 yds	300 yds	500 yds	700 yds	900 yds	1000 yds	1100 yds	1200 yds	1300 yds	1400 yds	1500 yds	1600 yds
Rifle zeroed at	100 yds	x	-12.88	-47.70	-111.84	-216.26	-288.53	-377.90	-488.09	-624.63	-793.03	-996.83	-1238.71
	300 yds	4.52	x	-25.71	-81.03	-176.68	-244.55	-329.49	-435.28	-567.42	-731.42	-930.74	-1168.22
	500 yds	9.55	15.40	x	-45.85	-131.44	-194.29	-274.21	-374.94	-502.05	-660.95	-855.31	-1087.67
	700 yds	16.15	35.19	32.41	x	-72.07	-128.30	-201.61	-295.79	-416.26	-568.56	-756.25	-982.01
	900 yds	24.01	58.76	71.69	55.31	x	-49.76	-115.23	-201.52	-314.13	-458.53	-638.35	-856.24
	1000 yds	29.04	73.84	96.82	90.50	43.88	x	-59.91	-141.17	-248.76	-388.12	-562.91	-775.70
	1100 yds	34.39	89.86	123.52	127.88	91.94	53.91	x	-77.09	-179.30	-313.37	-482.76	-690.20
	1200 yds	40.68	108.72	154.94	171.86	148.48	116.74	67.95	x	-97.63	-225.37	-388.47	-589.63
	1300 yds	48.22	131.34	192.66	224.65	216.34	192.14	150.88	88.80	x	-119.77	-275.33	-468.88
	1400 yds	56.71	156.78	235.07	284.03	292.69	276.97	244.19	190.59	110.68	x	-148.00	-333.12

Maximum range: 5294 m / 5790 yds

Remark: Technical specification and numerical data are given as an indication only and are of no contractual nature.

### Diagram of different zero ranges

