

.338 Lapua Mag. SWISS P Target

16.2 g / 250 gr

The most accurate .338 Lapua Mag. round

Minimised muzzle flash for better concealment of the shooter

Temperature independent propellant guarantees a consistent point of impact

Coordinated ballistics with SWISS P Ball, Styx Action, Armour Piercing and Tactical rounds



RUAG SWISS P
The Sniper's Choice

Application

This is the perfect round for highly accurate long range target shooting in competition and training.

Tight production tolerances and small production batches ensure constant ballistic values and stringent quality controls guarantee identical trajectory from batch to batch.

A wide range of special purpose bullets provide the desired terminal effect on hard and soft targets on every mission. All .338 Lapua Mag. SWISS P rounds have an identical point of impact at 300 m which allows the shooter to instantly change the bullet type.

The .338 Lapua Mag. SWISS P Target is also available with a 19.4 g / 300 gr bullet.

Cartridge

8.6x70 / .338 Lapua Mag.

projectile	HPBT, 16.2 g / 250 gr
projectile material	tombac jacket, lead core
ballistic coefficient G1	0.6839 (ICAO)
primer / propellant	SINOXID / double base powder
case material	CuZn - alloy
cartridge weight	44.4 g

Performance

term of reference	C.I.P.
mean chamber pressure	max. 4 200 bar (21°C)
muzzle velocity	865 m/s (2 838 fps) 650 mm barrel
muzzle energy	6 061 J
accuracy at 300 m	$S_a \leq 25$ mm

Packaging

20 rds/cardboard box, 200 rds/cardboard box

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Ballistic Coefficients	865 m/s	340 m/s	200 m/s
Drag Coefficient	0.2486	0.3120	0.1357
Ballistic Coefficient G1	0.6839	0.4374	0.5281
Ballistic Coefficient G7	0.3557	0.3495	0.3062

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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]	865	818	727	640	559	485	450	417	386	357	333	318	307
Energy [J]	6'061	5'420	4'281	3'318	2'531	1'905	1'640	1'409	1'207	1'032	898	819	763
Time of flight [ms]	0	119	378	672	1006	1390	1604	1835	2084	2354	2646	2954	3275
Wind drift [cm]	0	2	16	47	98	175	224	282	349	426	514	610	713

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]	2838	2698	2426	2165	1921	1696	1589	1488	1392	1275	1157	1088	1050
Energy [J]	6061	5478	4430	3528	2776	2164	1900	1666	1457	1224	1007	891	829
Time of flight [ms]	0	108	340	596	880	1191	1360	1537	1721	1952	2251	2553	2847
Wind drift [inch]	0	0.59	5.48	15.80	32.62	57.21	71.59	89.51	110.17	133.81	160.76	191.45	225.28

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	-40	-147	-341	-656	-874	-1141	-1469	-1871	-2362	-2953	-3651
	300 m	13	x	-81	-249	-538	-743	-997	-1312	-1701	-2179	-2756	-3442
	500 m	30	49	x	-133	-389	-577	-815	-1113	-1485	-1946	-2507	-3176
	700 m	49	106	98	x	-216	-385	-604	-882	-1236	-1677	-2219	-2868
	900 m	73	180	220	172	x	-141	-335	-589	-918	-1335	-1852	-2477
	1000 m	87	221	290	270	129	x	-181	-422	-736	-1139	-1643	-2253
	1100 m	104	271	373	386	278	165	x	-223	-521	-907	-1394	-1988
	1200 m	122	326	464	514	443	348	203	x	-282	-651	-1119	-1694
	1300 m	144	392	573	667	640	566	443	259	x	-345	-791	-1345
	1400 m	168	465	696	838	860	811	711	552	319	x	-424	-954

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	-12.60	-46.17	-106.93	-203.74	-269.52	-349.52	-446.21	-562.63	-702.38	-870.98	-1071.27
	300 yds	4.23	x	-25.75	-78.34	-166.98	-228.65	-304.60	-397.17	-509.51	-645.17	-809.68	-1005.88
	500 yds	9.26	14.74	x	-43.16	-121.72	-178.39	-249.28	-336.86	-444.18	-574.76	-734.19	-925.35
	700 yds	15.54	33.59	30.80	x	-65.17	-115.56	-180.17	-261.44	-362.48	-486.77	-639.91	-824.73
	900 yds	22.77	55.27	66.93	51.40	x	-43.31	-100.70	-174.74	-268.52	-385.53	-531.44	-709.02
	1000 yds	27.18	68.47	88.92	82.19	39.44	x	-52.29	-121.93	-211.32	-323.97	-465.43	-638.61
	1100 yds	31.89	82.61	112.49	115.18	81.85	47.79	x	-65.39	-150.07	-257.96	-394.71	-563.17
	1200 yds	37.23	98.63	139.20	152.57	129.92	101.20	58.28	x	-80.61	-183.16	-314.56	-477.68
	1300 yds	43.52	117.48	170.62	196.55	186.47	164.04	127.40	74.09	x	-95.20	-220.32	-377.11
	1400 yds	50.44	138.22	205.18	244.94	248.68	233.15	203.42	157.02	90.90	x	-116.61	-266.48

Maximum range: 6489 m / 7096 yds

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Diagram of different zero ranges

