

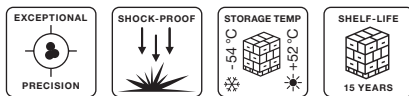
.338 Lapua Mag. SWISS P Subsonic

19.4 g / 300 gr

Enhanced projectile weight provides high energy on target

Physical and ballistic characteristics ensure subsonic flight in all environmental conditions

Best first hit probability due to a special loading technique



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

projectile	HPBT, 19.4 g / 300 gr
projectile material	tombac jacket, lead core
ballistic coefficient G1	0.7387 (ICAO)
primer / propellant	SINOXID / double base powder
case material	CuZn - alloy
cartridge weight	44.0 g

Performance

term of reference	C.I.P.
mean chamber pressure	max. 2 500 bar (21°C)
muzzle velocity	315 m/s (1 033 fps) 27" barrel 1:10" twist
muzzle energy	962 J
accuracy at 100 m	100% radius ≤ 55 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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04.2020

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Ballistic Coefficients	315 m/s	200 m/s	50 m/s
Drag Coefficient	0.1756	0.1341	0.1341
Ballistic Coefficient G1	0.7387	0.6385	0.6249
Ballistic Coefficient G7	0.3973	0.3701	0.3638

Ballistic Coefficients	1033 fps	656 fps	164 fps
Drag Coefficient	0.1756	0.1341	0.1341
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Ballistic Coefficient G7	0.3973	0.3701	0.3638

Trajectory	0 m	25 m	50 m	75 m	100 m	125 m	150 m	175 m	200 m	225 m	250 m	275 m	300 m
Velocity [m/s]	315	313	310	308	306	304	302	301	299	297	295	293	291
Energy [J]	962	948	935	922	910	898	887	876	865	855	844	834	824
Time of flight [ms]	0	80	160	241	322	404	486	569	653	737	821	906	992
Wind drift [cm]	0.00	0.16	0.62	1.38	2.42	3.73	5.32	7.17	9.30	11.70	14.36	17.28	20.48

Trajectory	0 yds	25 yds	50 yds	75 yds	100 yds	125 yds	150 yds	175 yds	200 yds	225 yds	250 yds	275 yds	300 yds
Velocity [fps]	1033	1026	1020	1013	1007	1001	995	990	984	978	973	967	962
Energy [J]	962	949	937	925	914	903	893	883	873	863	853	844	834
Time of flight [ms]	0	73	146	220	294	369	444	520	596	672	749	826	904
Wind drift [inch]	0	0.06	0.21	0.47	0.81	1.25	1.77	2.39	3.09	3.88	4.76	5.72	6.77

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	25 m	50 m	75 m	100 m	125 m	150 m	175 m	200 m	225 m	250 m	275 m	300 m
Rifle zeroed at	25 m	x	-6	-18	-36	-61	-92	-129	-173	-223	-280	-344	-415
	50 m	3	x	-9	-24	-46	-74	-108	-149	-196	-251	-312	-379
	75 m	6	6	x	-12	-31	-56	-87	-125	-169	-220	-278	-343
	100 m	9	12	9	x	-15	-37	-65	-100	-142	-190	-244	-306
	125 m	12	18	18	12	x	-19	-44	-76	-114	-159	-211	-269
	150 m	15	25	28	25	16	x	-22	-50	-86	-127	-176	-231
	175 m	18	31	37	38	31	19	x	-25	-57	-96	-141	-193
	200 m	22	37	47	50	47	38	22	x	-29	-64	-106	-155
	225 m	25	44	56	63	63	57	45	25	x	-32	-72	-117
	250 m	28	50	66	76	79	77	67	52	29	x	-36	-78

Trajectory	inch	25 yds	50 yds	75 yds	100 yds	125 yds	150 yds	175 yds	200 yds	225 yds	250 yds	275 yds	300 yds
Rifle zeroed at	25 yds	x	-1.94	-5.89	-11.86	-19.88	-29.97	-42.18	-56.50	-73.00	-91.66	-112.53	-135.61
	50 yds	1.00	x	-2.94	-7.93	-14.97	-24.08	-35.30	-48.65	-64.16	-81.85	-101.73	-123.83
	75 yds	1.98	1.99	x	-4.00	-10.06	-18.19	-28.43	-40.80	-55.33	-72.03	-90.93	-112.05
	100 yds	2.96	3.95	2.95	x	-5.15	-12.30	-21.56	-32.94	-46.49	-62.21	-80.13	-100.27
	125 yds	3.98	6.00	6.01	4.01	x	-6.19	-14.41	-24.77	-37.30	-52.00	-68.90	-88.01
	150 yds	5.01	8.04	9.08	8.09	5.06	x	-7.27	-16.61	-28.11	-41.79	-57.67	-75.76
	175 yds	6.03	10.08	12.14	12.18	10.16	6.07	x	-8.44	-18.92	-31.58	-46.43	-63.54
	200 yds	7.09	12.20	15.32	16.42	15.47	12.43	7.30	x	-9.38	-20.97	-34.77	-50.81
	225 yds	8.15	14.32	18.50	20.66	20.77	18.79	14.73	8.53	x	-10.37	-23.11	-38.09
	250 yds	9.17	16.37	21.57	24.74	25.87	24.92	21.87	16.69	9.36	x	-11.88	-25.84

Maximum range: 4677 m / 5114 yds

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

Diagram of different zero ranges

