

# .338 Lapua Mag. SWISS P Styx Action

## 16.0 g / 247 gr

Outstanding stopping power while reducing the risk of collateral damage

Match grade accuracy

Temperature independent propellant guarantees a consistent point of impact

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



<b>Cartridge</b>		<b>8.6x70 / .338 Lapua Mag.</b>	
projectile	HPBT, 16.0 g / 247 gr		
projectile material	tombac jacket, lead core		
ballistic coefficient G1	0.4328 (ICAO)		
primer / propellant	SINOXID / double base powder		
case material	CuZn - alloy		
cartridge weight	44.2 g		
<b>Performance</b>			
term of reference	C.I.P.		
mean chamber pressure	max. 4 200 bar	(21°C)	
muzzle velocity	875 m/s (2 871 fps)	650 mm barrel	
muzzle energy	6 125 J		
accuracy at 300 m	$S_a \leq 27.5$ mm		
<b>Packaging</b>			
standard cardboard box	20rds / cardboard box, 200rds / cardboard box, 10000rds EU pallet		
military M2A1 metal box	10rds / cardboard box, 200rds / M2A1 metal box, 16800rds NATO pallet		

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Ballistic Coefficients	875 m/s	340 m/s	200 m/s
Drag Coefficient	0.3876	0.3323	0.2606
Ballistic Coefficient G1	0.4328	0.4056	0.2709
Ballistic Coefficient G7	0.2240	0.3241	0.1571

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Trajectory	0 m	50 m	100 m	150 m	200 m	250 m	300 m	350 m	400 m	450 m	500 m	550 m	600 m
Velocity [m/s]	875	838	801	764	729	695	662	630	600	572	545	519	494
Energy [J]	6'125	5'618	5'133	4'670	4'252	3'864	3'506	3'175	2'880	2'617	2'376	2'155	1'952
Time of flight [ms]	0	58	119	183	250	321	394	472	553	639	728	822	921
Wind drift [cm]	0	1	3	6	11	17	26	36	48	62	78	97	118

Trajectory	0 yds	50 yds	100 yds	150 yds	200 yds	250 yds	300 yds	350 yds	400 yds	450 yds	500 yds	550 yds	600 yds
Velocity [fps]	2871	2666	2561	2456	2357	2260	2166	2076	1992	1914	1841	1772	1709
Energy [J]	6125	5282	4876	4483	4128	3796	3488	3202	2949	2724	2520	2334	2172
Time of flight [ms]	0	61	123	188	254	322	392	464	535	607	678	748	814
Wind drift [inch]	0	0.23	0.89	2.01	3.63	5.78	8.47	11.76	15.65	20.18	25.38	31.28	37.90

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	50 m	100 m	150 m	200 m	250 m	300 m	350 m	400 m	450 m	500 m	550 m	600 m
Rifle zeroed at	50 m	x	-2	-7	-16	-28	-45	-66	-93	-127	-168	-219	-279
	100 m	1	x	-4	-11	-22	-37	-57	-83	-115	-155	-204	-264
	150 m	3	3	x	-5	-15	-29	-48	-72	-103	-142	-190	-248
	200 m	4	6	4	x	-9	-21	-39	-62	-92	-129	-175	-232
	250 m	6	9	10	7	x	-11	-26	-48	-76	-112	-156	-211
	300 m	8	13	15	14	9	x	-14	-34	-60	-94	-137	-190
	350 m	10	17	21	22	20	13	x	-16	-40	-72	-113	-164
	400 m	12	21	28	31	31	26	16	x	-21	-50	-89	-138
	450 m	14	26	34	40	42	39	32	18	x	-29	-65	-112
	500 m	17	32	44	52	57	57	53	43	26	x	-31	-75

Trajectory	inch	50 yds	100 yds	150 yds	200 yds	250 yds	300 yds	350 yds	400 yds	450 yds	500 yds	550 yds	600 yds
Rifle zeroed at	50 yds	x	-0.95	-2.75	-5.59	-9.62	-14.96	-21.82	-30.39	-40.91	-53.68	-69.01	-87.33
	100 yds	0.41	x	-1.34	-3.71	-7.26	-12.14	-18.52	-26.62	-36.67	-48.97	-63.83	-81.68
	150 yds	0.88	0.94	x	-1.82	-4.90	-9.31	-15.22	-22.85	-32.42	-44.25	-58.64	-76.02
	200 yds	1.35	1.88	1.49	x	-2.55	-6.48	-11.92	-19.07	-28.18	-39.54	-53.46	-70.37
	250 yds	1.82	2.82	2.91	1.95	x	-3.65	-8.63	-15.30	-23.94	-34.83	-48.28	-64.71
	300 yds	2.45	4.08	4.79	4.46	2.95	x	-4.23	-10.28	-18.29	-28.54	-41.36	-57.17
	350 yds	3.08	5.34	6.68	6.97	6.09	3.89	x	-5.25	-12.63	-22.26	-34.45	-49.64
	400 yds	3.71	6.60	8.56	9.49	9.24	7.66	4.57	x	-6.98	-15.98	-27.54	-42.10
	450 yds	4.50	8.17	10.92	12.63	13.16	12.37	10.07	6.06	x	-8.12	-18.90	-32.67
	500 yds	5.29	9.74	13.28	15.77	17.09	17.08	15.57	12.34	7.16	x	-10.26	-23.25

Maximum range: 4762 m / 5208 yds

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

### Diagram of different zero ranges

