

.308 Win. SWISS P Subsonic

13.0 g / 200 gr

Provides a minimal acoustic profile to maintain the element of surprise

Physical and ballistic characteristics ensure subsonic flight in all environmental conditions

Best first hit probability due to a special loading technique



Cartridge		7.62x51 / .308 Win.	
projectile	HPBT, 13.0 g / 200 gr		
projectile material	tombac jacket, lead core		
ballistic coefficient G1	0.3636 (ICAO)		
primer / propellant	SINOXID / double base powder		
case material	CuZn - alloy		
cartridge weight	27.0 g		
Performance			
term of reference	C.I.P.		
mean chamber pressure	max. 1 600 bar	(21°C)	
muzzle velocity	315 m/s (1 033 fps)	450 mm barrel	
muzzle energy	645 J		
accuracy at 100 m	100% radius ≤ 76 mm		
Packaging			
standard cardboard box	20rds / cardboard box, 200rds / cardboard box, 10000rds EU pallet		
military M2A1 metal box	10rds / cardboard box, 400rds / M2A1 metal box, 24000rds EU pallet		

Images, drawings, technical details and in particular head stamps are for illustration purpose only, which do not necessarily correspond to actual products. All information and specifications shown in factsheets are non-binding and subject to alterations without prior notice at any time.
04.2020

.308 Win SWISS P Subsonic

13.0g/200gr

Ballistic Coefficients	315 m/s	200 m/s	50 m/s
Drag Coefficient	0.2850	0.1169	0.1114
Ballistic Coefficient G1	0.3636	0.5907	0.6061
Ballistic Coefficient G7	0.1963	0.3425	0.3530

Ballistic Coefficients	1033 fps	656 fps	164 fps
Drag Coefficient	0.2850	0.1169	0.1114
Ballistic Coefficient G1	0.3636	0.5907	0.6061
Ballistic Coefficient G7	0.1963	0.3425	0.3530

Trajectory	0 m	20 m	40 m	60 m	80 m	100 m	120 m	140 m	160 m	180 m	200 m	220 m	240 m
Velocity [m/s]	315	311	307	304	300	297	294	291	288	285	283	280	278
Energy [J]	645	629	613	601	585	573	562	550	539	528	521	510	502
Time of flight [ms]	0	64	129	194	260	327	395	463	532	602	673	744	815
Wind drift [cm]	0	0	1	2	3	5	7	9	12	12	19	23	27

Trajectory	0 yds	20 yds	40 yds	60 yds	80 yds	100 yds	120 yds	140 yds	160 yds	180 yds	200 yds	220 yds	240 yds
Velocity [fps]	1033	1020	1006	995	982	971	961	951	940	930	923	913	906
Energy [J]	645	628	611	598	582	570	558	546	534	522	515	503	495
Time of flight [ms]	0	70	140	211	283	355	427	500	574	648	722	797	873
Wind drift [inch]	0	0.07	0.27	0.60	1.05	1.62	2.31	3.12	4.05	5.09	6.24	7.51	8.88

Test barrel length: 450 mm + SD / 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	20 m	40 m	60 m	80 m	100 m	120 m	140 m	160 m	180 m	200 m	220 m	240 m
Rifle zeroed at 20 m	x	-4	-12	-23	-39	-59	-83	-112	-144	-181	-222	-268	
40 m	2	x	-6	-16	-30	-48	-70	-96	-127	-162	-201	-245	
60 m	4	4	x	-8	-20	-36	-56	-81	-110	-143	-180	-222	
80 m	6	8	6	x	-10	-25	-43	-66	-92	-124	-159	-199	
100 m	8	12	12	8	x	-12	-28	-49	-73	-103	-136	-174	
120 m	10	16	18	16	10	x	-15	-33	-56	-83	-115	-151	
140 m	12	20	24	24	20	12	x	-17	-37	-62	-92	-126	
160 m	14	24	30	33	31	25	15	x	-19	-41	-69	-101	
180 m	16	28	37	41	41	37	29	17	x	-21	-46	-76	
200 m	18	33	43	49	52	50	44	34	19	x	-23	-50	

Trajectory	inch	20 yds	40 yds	60 yds	80 yds	100 yds	120 yds	140 yds	160 yds	180 yds	200 yds	220 yds	240 yds
Rifle zeroed at 50 yds	x	-1.97	-5.51	-11.02	-18.50	-27.95	-39.37	-52.76	-68.11	-85.83	-105.51	-127.17	
100 yds	0.79	x	-2.76	-7.48	-14.17	-22.44	-33.07	-45.67	-60.24	-76.77	-95.28	-116.14	
150 yds	1.97	1.97	x	-3.94	-9.45	-16.93	-26.77	-38.19	-51.97	-67.72	-85.43	-105.51	
200 yds	2.76	3.94	2.76	x	-4.72	-11.42	-20.08	-30.71	-43.31	-57.87	-74.80	-93.70	
250 yds	3.54	5.51	5.51	3.54	x	-5.91	-13.39	-23.23	-35.04	-48.82	-64.96	-83.07	
300 yds	4.72	7.48	8.66	7.48	4.72	x	-6.69	-15.35	-26.38	-38.98	-53.94	-71.26	
350 yds	5.51	9.45	11.42	11.42	9.84	5.91	x	-7.87	-17.32	-29.53	-43.31	-59.45	
400 yds	6.69	11.42	14.57	15.35	14.57	11.81	7.09	x	-8.66	-19.69	-32.68	-47.64	
450 yds	7.48	13.39	17.32	19.29	19.29	17.72	13.78	7.87	x	-9.84	-22.05	-35.83	
500 yds	8.66	15.35	20.08	23.23	24.41	23.62	20.47	15.75	9.06	x	-11.02	-24.41	

Maximum range: 4294 m / 4696 yds

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

Diagram of different zero ranges

