

.308 Win. SWISS P Subsonic Final

13.0 g / 200 gr

Outstanding stopping power avoids collateral damage due to total bullet disintegration

Provides a minimal acoustic profile to maintain the element of surprise

Best first hit probability due to a special loading technique



Cartridge	7.62x51 / .308 Win.
projectile	JPP, 13.0 g / 200 gr
projectile material	tin plated tombac jacket, pressed lead pellets
ballistic coefficient G1	0.1587 (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. 3 600 bar	(21°C)
muzzle velocity	310 m/s (1 017 fps)	450 mm barrel
muzzle energy	625 J	
accuracy at 100 m	$S_a \leq 11$ 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

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Ballistic Coefficients	310 m/s	200 m/s	50 m/s
Drag Coefficient	0.6190	0.5264	0.4978
Ballistic Coefficient G1	0.1587	0.1318	0.1364
Ballistic Coefficient G7	0.0827	0.0764	0.0794

Ballistic Coefficients	1017 fps	656 fps	164 fps
Drag Coefficient	0.6190	0.5264	0.4978
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Ballistic Coefficient G7	0.0827	0.0764	0.0794

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]	310	302	294	286	279	272	265	258	252	246	240	234	228
Energy [J]	625	593	562	532	506	481	456	433	413	393	374	356	338
Time of flight [ms]	0	133	202	273	345	420	496	575	655	738	822	909	998
Wind drift [cm]	0	0	2	4	7	11	16	22	29	37	46	56	67

Trajectory	0 yds	22 yds	44 yds	66 yds	87 yds	109 yds	131 yds	153 yds	175 yds	197 yds	219 yds	241 yds	262 yds
Velocity [fps]	1017	993	969	945	924	902	881	860	841	823	805	786	768
Energy [J]	625	596	567	539	515	492	469	446	428	409	391	373	356
Time of flight [ms]	0	66	134	204	275	347	422	499	576	655	736	820	906
Wind drift [inch]	0	0.16	0.62	1.37	2.43	3.78	5.44	7.40	9.68	12.28	15.20	18.45	22.04

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	-40	-61	-87	-119	-156	-199	-249	-305	
40 m	2	x	-6	-16	-30	-50	-74	-104	-139	-180	-228	-282	
60 m	4	4	x	-8	-21	-38	-61	-88	-122	-161	-207	-259	
80 m	6	8	6	x	-10	-26	-46	-72	-103	-140	-183	-234	
100 m	8	12	13	9	x	-13	-31	-55	-84	-119	-160	-209	
120 m	10	17	19	18	11	x	-15	-37	-64	-96	-135	-181	
140 m	13	21	26	27	23	14	x	-19	-43	-74	-111	-154	
160 m	15	26	33	36	34	28	16	x	-23	-51	-86	-127	
180 m	17	31	41	46	47	43	35	21	x	-25	-57	-95	
200 m	20	36	48	56	59	58	52	40	23	x	-30	-66	

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 20 yds	x	-1.24	-3.78	-7.74	-13.08	-19.92	-28.48	-38.66	-50.57	-64.51	-80.22	-98.14	
40 yds	0.61	x	-1.89	-5.22	-9.94	-16.15	-24.08	-33.63	-44.92	-58.22	-73.31	-90.60	
60 yds	1.24	1.27	x	-2.71	-6.80	-12.38	-19.68	-28.60	-39.26	-51.94	-66.40	-83.06	
80 yds	1.93	2.66	2.06	x	-3.34	-8.24	-14.84	-23.08	-33.04	-45.03	-58.79	-74.76	
100 yds	2.62	4.04	4.14	2.82	x	-4.09	-10.00	-17.55	-26.82	-38.11	-51.19	-66.47	
120 yds	3.31	5.42	6.21	5.59	3.57	x	-5.16	-12.02	-20.60	-31.20	-43.59	-58.18	
140 yds	4.07	6.93	8.47	8.60	7.34	4.58	x	-5.98	-13.81	-23.66	-35.30	-49.13	
160 yds	4.82	8.44	10.74	11.62	11.11	9.11	5.39	x	-7.03	-16.12	-27.00	-40.08	
180 yds	5.58	9.95	13.00	14.64	14.88	13.63	10.67	6.08	x	-8.58	-18.71	-31.03	
200 yds	6.46	11.71	15.64	18.16	19.28	18.91	16.83	13.12	7.68	x	-9.03	-20.48	

Maximum range: 1883 m / 2059 yds

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

Diagram of different zero ranges

