.308 Win. SWISS P Subsonic

13.0 g / 200 gr

Provides a minimal accoustic 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

Blue marked primer ensures proper selection

RUAG SWISS P
The Sniper's Choice

Application

Specially designed for subsonic shooting this round is a highly reliable solution that ensures good results even from supersonic weapon systems. This makes it a useful addition to the rest of the SWISS P product line.

The highly precise loading technique allows a cartridge load very close to the sound barrier, but without risking a supersonic bang. Even at subsonic speed the heavy subsonic bullet provides enough energy to achieve a good terminal target effect.

The .308 Win. SWISS P Subsonic is also available with a 15.6 g / 240 gr bullet.

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	20 rds/cardboard box, 200 rds/cardboard box

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RUAG Ammotec AG | Uttigenstrasse 67 | 3602 Thun | Switzerland
Tel. +41 332 282 879 | Fax +41 332 282 644 | sales.ammotec@ruag.com | **www.ruag.com**

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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

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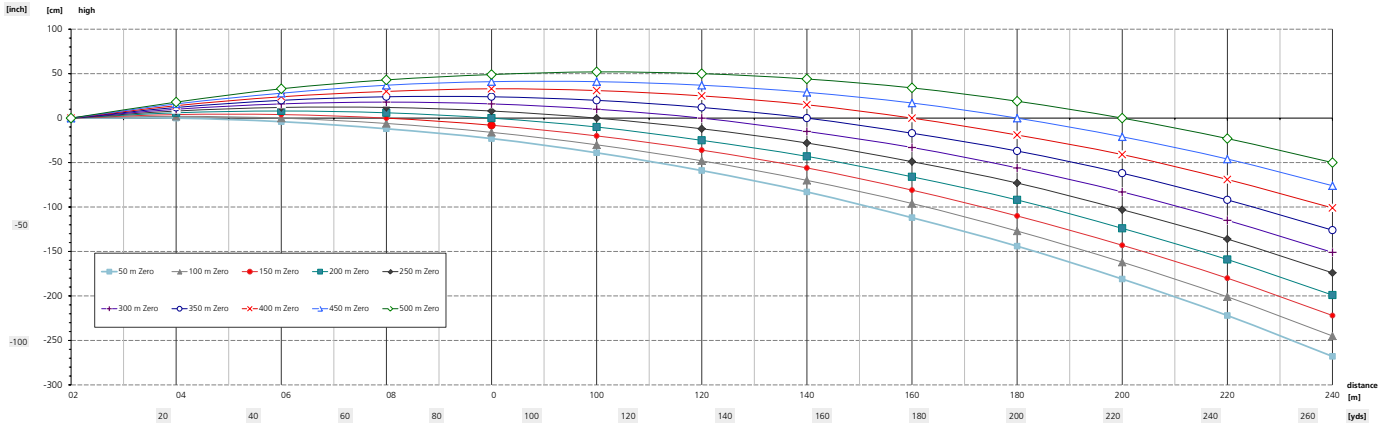
Diagram of different zero ranges



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