

.308 Win. SWISS P Target

11.3 g / 175 gr

The most accurate .308 Win. round

Extended supersonic range ensures improved accuracy and greater energy on target

Coordinated ballistics with SWISS P Ball, Styx Action, Armour Piercing and Tactical rounds

Militarised and optimised for automatic weapons



RUAG SWISS 
The Sniper's Choice

Application

This is the perfect round for highly accurate target shooting in competition and training.

Tight production tolerances and small production batches ensure constant ballistic values and stringent quality controls guarantee identical trajectory from batch to batch.

A wide range of special purpose bullets provide the desired terminal effect on hard and soft targets on every mission. All .308 Win. SWISS P rounds have an identical point of impact at 100 m which allows the shooter to instantly change the bullet type.

The .308 Win. SWISS P Target is also available with a 10.9 g / 168 gr bullet.

Cartridge

7.62x51 / .308 Win.

projectile	HPBT, 11.3 g / 175 gr
projectile material	tombac jacket, lead core
ballistic coefficient G1	0.5474 (ICAO)
primer / propellant	SINOXID / double base powder
case material	CuZn - alloy
cartridge weight	25.3 g

Performance

term of reference	C.I.P.
mean chamber pressure	max. 4 150 bar (21°C)
temperature range	-54°C to +52°C
muzzle velocity	790 m/s (2 592 fps) 650 mm barrel
muzzle energy	3 526 J
accuracy at 300 m	$s_a \leq 14.5$ mm

Packaging

10 rds/cardboard box, 400 rds/M2A1

Technical specification and numerical data are given as an indication only and are of no contractual nature.
10.2018

.308 Win. SWISS P Target

11.3g/175gr

Ballistic Coefficients	790 m/s	340 m/s	200 m/s
Drag Coefficient	0.2872	0.3655	0.1203
Ballistic Coefficient G1	0.5474	0.3317	0.5277
Ballistic Coefficient G7	0.2832	0.2651	0.3060

Ballistic Coefficients	2592 fps	1115 fps	656 fps
Drag Coefficient	0.2872	0.3655	0.1203
Ballistic Coefficient G1	0.5474	0.3317	0.5277
Ballistic Coefficient G7	0.2832	0.2651	0.3060

Trajectory	0 m	100 m	200 m	300 m	400 m	500 m	600 m	700 m	800 m	900 m	1000 m	1100 m	1200 m
Velocity [m/s]	790	735	681	629	578	530	484	441	400	362	330	305	287
Energy [J]	3'526	3'052	2'620	2'235	1'888	1'587	1'324	1'099	904	740	615	526	465
Time of flight [ms]	0	131	273	426	591	772	969	1186	1424	1688	1978	2294	2633
Wind drift [cm]	0	2	10	24	45	74	112	162	224	301	392	490	595

Trajectory	0 yds	100 yds	200 yds	300 yds	400 yds	500 yds	600 yds	700 yds	800 yds	900 yds	1000 yds	1100 yds	1200 yds
Velocity [fps]	2592	2461	2295	2135	1978	1829	1685	1550	1420	1296	1187	1080	1001
Energy [J]	3526	3178	2765	2393	2053	1755	1490	1261	1059	882	740	612	526
Time of flight [ms]	0	116	241	374	520	676	847	1031	1234	1457	1695	1977	2294
Wind drift [inch]	0	0.88	3.52	8.12	14.95	24.29	36.52	52.02	71.30	94.97	123.54	156.60	191.96

Test barrel length: 650 mm / Twist rate: 12" / Crosswind velocity: 5 m/s Reference conditions: 15 °C/59 °F / 1013.25 hPa / 0% humidity / 0 m/ft above sea level

Trajectory	cm	100 m	200 m	300 m	400 m	500 m	600 m	700 m	800 m	900 m	1000 m	1100 m	1200 m
Rifle zeroed at	100 m	x	-15	-47	-100	-178	-285	-427	-612	-849	-1150	-1530	-2002
	200 m	7	x	-26	-72	-143	-243	-379	-557	-786	-1080	-1453	-1918
	300 m	16	17	x	-37	-100	-191	-317	-487	-708	-993	-1357	-1813
	400 m	26	36	29	x	-52	-133	-250	-410	-621	-897	-1251	-1698
	500 m	36	57	60	43	x	-70	-177	-326	-527	-792	-1136	-1572
	600 m	47	80	94	88	58	x	-98	-235	-425	-679	-1011	-1436
	700 m	61	108	136	144	127	81	x	-124	-299	-539	-857	-1269
	800 m	77	139	183	207	206	176	110	x	-158	-382	-684	-1080
	900 m	95	174	236	277	293	280	232	142	x	-207	-493	-870
	1000 m	115	216	299	360	398	406	379	309	188	x	-262	-619

Trajectory	100 yds	200 yds	300 yds	400 yds	500 yds	600 yds	700 yds	800 yds	900 yds	1000 yds	1100 yds	1200 yds	
Rifle zeroed at	100 yds	x	-4.93	-15.49	-32.58	-57.29	-90.93	-135.11	-191.76	-263.36	-352.88	-464.07	-601.42
	200 yds	2.49	x	-7.95	-22.52	-44.72	-75.85	-117.52	-171.66	-240.74	-327.75	-436.43	-571.22
	300 yds	5.01	5.12	x	-12.47	-32.15	-60.77	-99.90	-151.55	-218.13	-302.62	-408.74	-541.07
	400 yds	8.15	11.41	9.02	x	-16.44	-41.92	-77.91	-126.42	-189.85	-271.18	-374.19	-503.33
	500 yds	11.30	17.69	18.45	12.66	x	-23.07	-55.92	-101.29	-161.55	-239.77	-339.64	-465.64
	600 yds	15.07	25.23	29.76	27.74	18.11	x	-29.53	-71.13	-127.62	-202.07	-298.14	-420.37
	700 yds	19.15	33.40	42.01	44.08	38.54	24.05	x	-38.46	-90.87	-161.23	-253.22	-371.37
	800 yds	23.87	42.83	56.15	62.93	62.10	52.33	32.04	x	-48.46	-114.11	-201.39	-314.79
	900 yds	29.21	53.51	72.18	84.30	88.80	84.38	69.43	41.97	x	-60.68	-142.62	-250.71
	1000 yds	35.19	65.45	90.09	108.17	118.65	120.19	111.21	89.72	53.32	x	-76.96	-179.05

Maximum range: 5232 m / 5722 yds

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

Diagram of different zero ranges

