

# .223 Rem. SWISS P DS-1

## 3.6 g

- Swiss craftsmanship for maximum reliability
- Optimal solution for semi-automatic weapons



**SPORT**



<b>Cartridge</b>	<b>.223 Rem.</b>	
Projectile	FMJ, 3.6 g / 55 gr	
Projectile material	tombac jacket	
Ballistic coefficient G1	0.3372 (ICAO)	
Primer/optional	SINOXID	
Case material	CuZn – alloy	
Cartridge weight	12.1 g	
<b>Performance</b>		
Term of reference	C.I.P.	
Mean chamber pressure	max. 4300 bar	(21 °C)
Mean muzzle velocity	1 010 ± 15 m / s (3 314 ± 49 fps)	600 mm barrel
Mean muzzle energy (Min – Max)	1 836 J (1 782 – 1 891 J)	
Accuracy at 300m	$s_s; s_H \leq 85$ mm	600 mm barrel
<b>Packaging</b>		
Standard cardboard box	10rds / clip, 50rds / cardboard box, 1 000rds / cardboard box	

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**Exceptional.  
Every Time.**

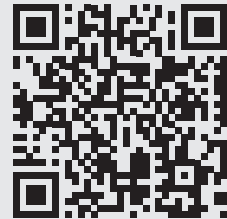
**SWISS**

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ALL DETAILS ONLINE



Ballistic Coefficients	1010 m/s	340 m/s	200 m/s
Drag Coefficient	0.2543	0.512	0.4844
Ballistic Coefficient G1	0.3372	0.1537	0.0688
Ballistic Coefficient G7	0.1603	0.1217	0.0404

Ballistic Coefficients fps	3314 fps	1115 fps	656 fps
Drag Coefficient	0.2543	0.512	0.4844
Ballistic Coefficient G1	0.3372	0.1537	0.0688
Ballistic Coefficient G7	0.1603	0.1217	0.0404

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]	1010	955	900	844	788	733	679	626	574	524	476	430	386
Energy [J]	1.816	1.625	1.442	1.268	1.106	956	820	696	586	489	404	329	266
Time of flight [ms]	0	51	105	162	223	289	360	437	520	611	712	822	945
Wind drift [cm]	0	1	3	7	13	21	32	45	62	83	108	139	175

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]	3314	3150	2984	2816	2648	2482	2317	2156	1998	1845	1697	1554	1415
Energy [J]	1816	1641	1473	1312	1160	1018	888	769	660	563	476	399	331
Time of flight [ms]	0	46	95	147	202	261	323	390	462	540	625	718	819
Wind drift [inch]	0	0.2	1	2.3	4.2	6.8	10.3	14.6	19.9	26.3	34.1	43.3	54.2

Test barrel length: 600 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	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	-6	-12	-21	-33	-49	-69	-95	-127	-167	-217
	100 m	1	x	-3	-8	-16	-28	-42	-62	-86	-117	-156	-205
	150 m	2	2	x	-4	-11	-21	-35	-53	-77	-107	-145	-193
	200 m	3	4	3	x	-6	-15	-28	-45	-68	-97	-134	-181
	250 m	4	7	7	5	x	-8	-20	-35	-57	-85	-120	-166
	300 m	5	9	11	10	6	x	-10	-25	-45	-71	-106	-150
	350 m	7	12	15	16	14	9	x	-13	-32	-57	-90	-133
	400 m	9	15	20	22	22	19	11	x	-17	-40	-72	-113
	450 m	11	19	26	30	32	30	25	15	x	-21	-51	-90
	500 m	13	23	32	39	42	43	40	32	19	x	-27	-65

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	-0.61	-1.88	-3.89	-6.74	-10.56	-15.48	-21.71	-29.48	-39.08	-50.88	-65.34
	100 yds	0.29	x	-0.99	-2.71	-5.27	-8.79	-13.42	-19.36	-26.83	-36.13	-47.64	-61.79
	150 yds	0.63	0.65	x	-1.37	-3.6	-6.78	-11.08	-16.69	-23.83	-32.8	-43.97	-57.79
	200 yds	0.96	1.32	1.01	x	-1.93	-4.78	-8.75	-14.02	-20.82	-29.46	-40.3	-53.78
	250 yds	1.36	2.11	2.19	1.53	x	-2.42	-6	-10.87	-17.29	-25.53	-35.98	-49.07
	300 yds	1.77	2.93	3.43	3.18	2.1	x	-3.11	-7.58	-13.58	-21.41	-31.44	-44.12
	350 yds	2.22	3.83	4.78	4.99	4.36	2.76	x	-3.96	-9.51	-16.89	-26.47	-38.7
	400 yds	2.71	4.82	6.26	6.95	6.81	5.71	3.49	x	-5.09	-11.98	-21.07	-32.81
	450 yds	3.28	5.96	7.97	9.23	9.66	9.12	7.47	4.52	x	-6.29	-14.8	-25.98
	500 yds	3.91	7.21	9.85	11.75	12.8	12.89	11.87	9.55	5.69	x	-7.89	-18.44

Maximum range: 1914 m / 2092 yds Remark: Technical specification and numerical data are given as indication only and are of no contractual nature.

info@swisspdefence.com | www.swisspdefence.com

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