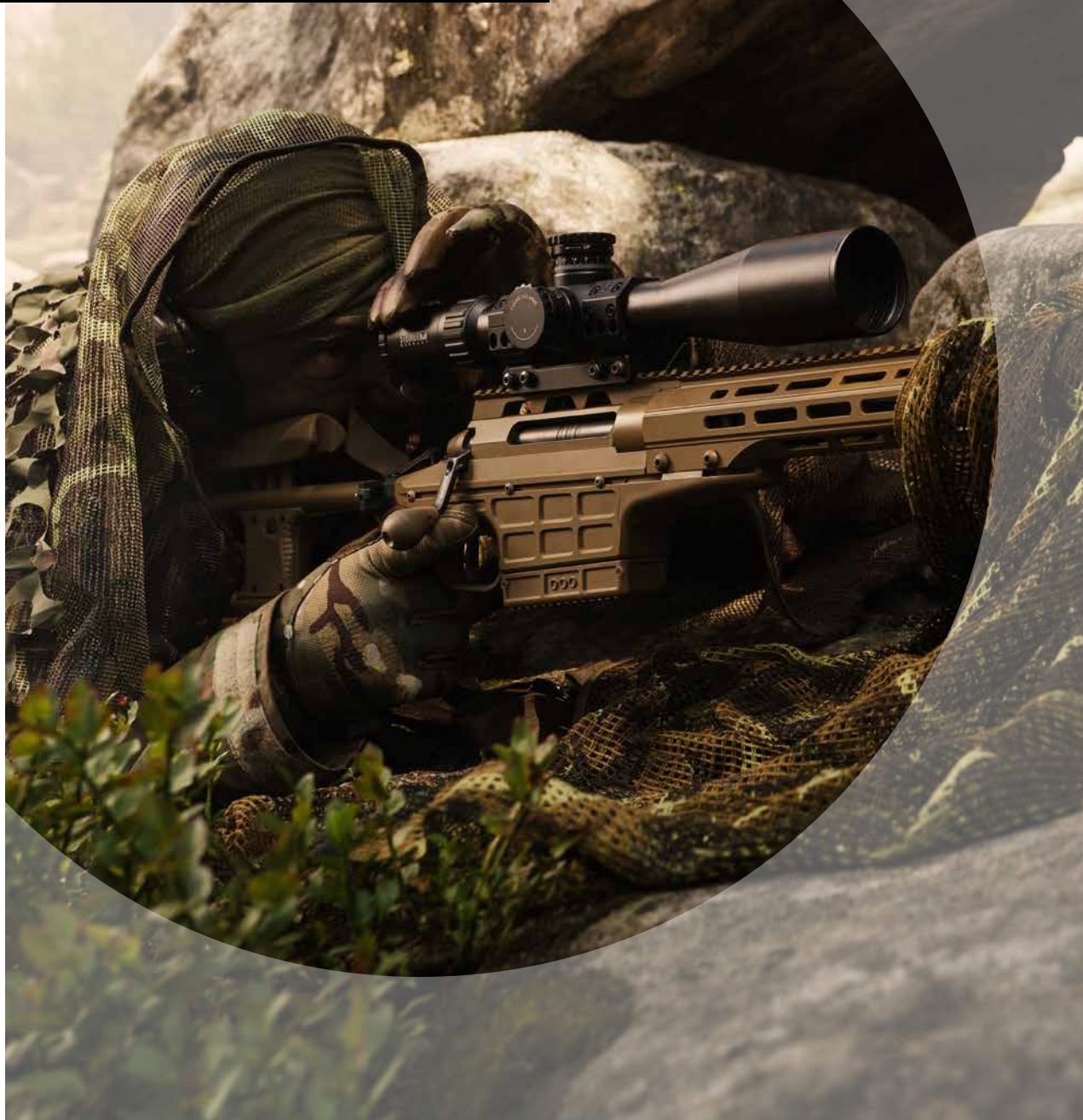


Uncompromising reliability.
In all situations.



Driven by your trust.

 **swiss p
defence**

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SwissP Defence

A solid partner – in all situations



Strong roots with lasting experience

The history of our Swiss based company dates back to 1863 and leads to our solid competence, which is being continued since 2022 as part of the Beretta Holding. As Europe's leading supplier of small-calibre ammunition, we are the trusted partner of armed forces and law enforcement. We develop and manufacture ammunition that has proven itself in challenging missions around the globe. That is our contribution to successful missions and our shared security, both now and in the future.



Driven by your trust

Reliability and complete confidence are an essential part of successful security missions. That's why we are driven by your trust in us, which lies at the heart of all our current and future activities.

Leading ammunition technology

We are known for our outstanding ammunition technology – and are constantly striving to improve further. Our experts are dedicated to developing and manufacturing superior solutions and raising the benchmarks. In our production facility in Thun (Switzerland) we produce on 6'760 m² efficiently and according to the most modern methods.



Our Small-Calibre Ammunition



Our high-quality small-calibre ammunition products are the first choice for the military, police, security and special forces. We produce reliable, precision, high-performance, high-quality ammunition. Our product range comprises calibres from 4.6 mm to 12.7 mm.

Our brands

blackround

Our small-calibre ammunition Blackround is designed for the needs of armed forces and law enforcement and has proven itself in operations all over the world.

SWISS P
The Sniper's Choice

The SWISS P product range has been specially developed for snipers. Our products are known for their exceptional precision, target impact and optimum ballistic properties.

Sales brands

Some calibres and bullet types of our portfolio are manufactured in Germany and Hungary. We distribute these products under separate brands:



MFS (Hungary)



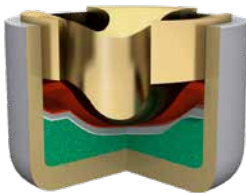
RWS (Germany)

Product Features

SINTOX® – The essential choice for clean and reliable primers with the best technology

The most important argument for choosing a primer is its reliability. SwissP Defence has been addressing this issue since 1928 with the invention of the most reliable and corrosion-free SINOXID primer. Standard primers, however, contain lead styphenate which shooters can get exposed to during the firing process. This may lead to hazardous overexposures. SINTOX® is a further development of the SINOXID technology and provides the same undisputed reliability, but doesn't use any heavy metals.

- Free of toxic heavy metals like barium
- No exposure of the shooter or shooting-range personnel to pollutants
- Absolute reliability and functional stability even under most extreme conditions
- Consistent ignition of the propellant over a wide temperature range, from -54 °C to 52 °C
- Optimum shelf life, even under critical storage conditions
- Extraordinary ignition sensitivity
- Will not corrode or erode the barrel
- Successfully used for more than 20 years
- Used with several NATO-qualified cartridges



Lead free ammunition

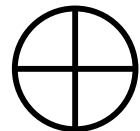
SwissP Defence is constantly expanding its range of low-pollutant small-calibre rounds across the entire spectrum of applications. Lead free ammunition relies on primers free of heavy metals, optimally laid out propellants and bullets completely without lead. Thanks to this it is possible to reduce the pollution with harmful substances to a minimum for both shooters and the environment. It allows for intensive training even in closed rooms. Contact us for more information on our lead free product range.



NATO specifications are clearly surpassed

For NATO it is decisive to ensure that the member states can exchange ammunition which guarantees a minimum of reliability and constancy. While high demands are imposed on the ammunition, SwissP Defence always endeavours to clearly surpass the specified quality. To achieve this, the company relies on most modern production equipment and solid know-how accumulated over many years. Thanks to the high vertical integration and a very advanced Quality Management System these products set benchmarks when it comes to:

- Ballistic performances at severely fluctuating temperatures
- Stability in storage under extreme environmental conditions
- Precision and constant point of impact from lot to lot
- Penetration capacity
- Barrel strain
- Effect in soft targets in conformity with the laws of war






















Pistol and Submachine Gun Ammunition



9 × 19 Deformation Ammunition

Conventional full metal jacket bullets cannot optimally meet the requirements of today’s service ammunition for Law Enforcement. Low energy transfer in the target medium means that they over-penetrates soft targets much too easily and thus endanger close bystanders. The increasing magnitude of violence in urban areas calls for ammunition which is able to stop offenders with effectiveness to ward off the danger and minimize the risk of unwanted consequences.

		Weight	Description	Bullet type	Muzzle velocity	Term of reference	Brand	Primer	Lead free
ACTION 4 SXF		6.1 g / 94 gr	Deformation cartridge with good performance on soft and hard targets, as well as glass and tyres	SHP	420 m/s*	TR			
ACTION 5 SXF		6.1 g / 94 gr	Deformation cartridge with high terminal performance on soft targets	SHP	425 m/s*	TR			
ACTION 6 SXF		6.1 g / 94 gr	Deformation cartridge tested according CIP standard for soft and hard targets as well as glass and tyres	SHP	400 m/s**	C.I.P.			
ACTION SE SXF		7.0 g / 108 gr	Deformation cartridge with good performance on soft and hard targets	SHP	400 m/s*	TR			
HP SX		8.0 g / 124 gr	Deformation cartridge with good terminal performance on soft targets	JHP	365 m/s**	C.I.P.			




















* 100 mm barrel / ** 150 mm barrel

Brands

 Blackground  MFS  RWS

9 × 19 Training and Service














The full metal jacketed bullets of SwissP Defence work reliably in all common pistol types and comply with the specifications of C.I.P. or NATO. They are perfectly suitable for both training and service.

		Weight	Description	Bullet type	Muzzle velocity	Term of reference	Brand	Primer	Lead free
FMJ		8.0 g / 124 gr	Training cartridge, specially suitable for outdoor shooting ranges	FMJ	380 m/s**	C.I.P.			
FMJ SX		8.0 g / 124 gr	FMJ cartridge for training and service, especially suitable for indoor shooting ranges	TFMJ	380 m/s**	C.I.P.			
FMJ		7.5 g / 115 gr	FMJ cartridge for training and service, especially suitable for indoor shooting ranges	FMJ	390 m/s**	C.I.P.			
ACTION Training SX		6.1 g / 94 gr	Completely lead free Cartridge with cooper bullet for the use in indoor shooting ranges	TR	405 m/s*	TR			
NATO FMJ		8.0 g / 124 gr	FMJ cartridge according to NATO requirements	FMJ	395 m/s***	MC-MOPI			
NATO FMJ SX		8.0 g / 124 gr	Pollution-reduced FMJ cartridge according to NATO requirements	TFMJ	395 m/s***	MC-MOPI			

* 100 mm barrel / ** 150 mm barrel / *** 200 mm barrel

9 × 19 Special Application

Apart from deformation-type and full metal jacketed bullets, various cartridges are available for special application purposes, e.g. with increased penetration capacity, with visible trajectory or subsonic ammunition.







		Weight	Description	Bullet type	Muzzle velocity	Term of reference	Brand	Primer	Lead free
Tracer		7.6 g / 118 gr	Tracer cartridge (red)	tracer	420 m/s***	MC-MOPI			
Subsonic FMJ		10.0 g / 154 gr	Subsonic cartridge with FMJ bullet	FMJ	315 m/s***	MC-MOPI			
Subsonic HP SX		9.5 g / 147 gr	Subsonic cartridge with HP bullet	JHP	314 m/s**	C.I.P.			
Frangible SX		6.4 g / 98 gr	Non-toxic cartridge for tactical training with reduced risk of ricochets	frangible	430 m/s***	MC-MOPI			

* 100 mm barrel / ** 150 mm barrel / *** 200 mm barrel

Additional Short-Range Ammunition



12-Gauge

		Weight	Description	Bullet type	Brand	Primer
12/70 Magnum ENTRY I		32.5 g / 502 gr	The ENTRY I is a special round designed to destroy door locks and hinges at close range. There are no ricochets or backsplashes	PZP		
12/70 Magnum ENTRY II		27.0 g / 417 gr	The ENTRY II is qualified for destroy targets up to 30 m with the same performance like the ENTRY I	PZPS		

Brands

 Blackground

 MFS
























 RWS

Personal Defence Weapon Ammunition



4.6 × 30

The calibre 4.6 × 30 has been tailored to meet unique requirements of Police and Military Special Forces, combat-support soldiers and close personal protection. The system is light and compact enough to be carried on the body permanently, but also sufficiently accurate and powerful to enable effective action against unprotected and protected targets at an extended distance.

		Weight	Description	Bullet type	Muzzle velocity	Term of reference	Brand	Primer	Lead free
FMJ SX		2.6 g / 40 gr	Duty ammunition for Army and Law Enforcement with good energy transfer in soft targets and an exceptionally good precision up to 200 m	FMJ	620 m/s *	C.I.P.			
ACTION SX		2.0 g / 31 gr	The deformation bullet offers fast energy deposit in soft targets and a good penetration capability in hard and combined targets	SHP	690 m/s *	C.I.P.			
AP SX		2.0 g / 31 gr	This lead free cartridge offers an exceptional penetration capability. The bullet penetrates the NATO CRISAT target from distances up to 200 m	solid	680 m/s *	acc. MC-MOPI			
Subsonic SX		5.0 g / 77 gr	The bullet is made from Tungsten-Carbide and polymer, is completely lead-free, and has no jacket	solid	290 m/s *	C.I.P.			
Training SX		1.7 g / 26 gr	The Training SX with lead free semi-jacketed tin bullet is “non-destructive” to steel targets. It can even be used as service ammunition in sensitive areas	JSC	660 m/s *	C.I.P.			
Frangible SJ SX		1.7 g / 26 gr	The Frangible SX is particularly suitable for tactical CQB/MOUT training, as the teams can train safely and effectively with maximum realism	SJ frangible	700 m/s *	C.I.P.			





























* 180 mm barrel

Ammunition for Armed Forces



5.56 × 45


















This ammunition for assault rifles and light machine guns provides an above-average hit accuracy and reliability. Its performance in action has been confirmed by numerous Armed Forces. SwissP Defence's long experience in the production of top-quality Swiss ordnance ammunition plays a fundamental role in the development of all products.

			Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer
FMJ (M193)			3.6 g / 55 gr	Proven and widely used infantry round	FMJ	0.347	990 m/s *	MC-MOPI		
FMJ SX (M193)			3.6 g / 55 gr	Proven and widely used infantry round	TFMJ	0.280	980 m/s *	MC-MOPI		
FMJ HA			4.1 g / 63 gr	High-quality infantry round with a steel jacket and rear cover	TFMJ	0.345	910 m/s *	MC-MOPI		
Styx Action			4.5 g / 69 gr	High-performance round for excellent stopping power due to instantaneous energy deposition on soft targets	HPBT	0.314	880 m/s *	MC-MOPI		
HC (SS109)			4.0 g / 62 gr	Steel core infantry round with a superior penetration power	HC	0.310	945 m/s *	MC-MOPI		
AP TC			4.1 g / 63 gr	High-performance tungsten carbide core infantry round for maximum penetrating power	AP	0.342	945 m/s *	MC-MOPI		
NATO Tracer			4.1 g / 63 gr	Tracer (red) with delayed ignition	Tracer	0.367	905 m/s *	MC-MOPI		
IR Tracer			4.1 g / 63 gr	IR Tracer (purple) with delayed ignition	IR Tracer	–	905 m/s *	MC-MOPI		

* 508mm barrel

5.56 × 45 Lead free
















In the development of lead free ammunition the challenge is to substitute the lead without reducing the performance or to even increase it if possible. Also decisive for a good, reliable and powerful ammunition without lead are the harmful substances which are emitted on firing and can form deposits in the barrel and weapon system. One prerequisite, therefore, is that the propellant and the ignition charge are also optimally matched to the bullet.

			Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer	Lead free
LF HC SX			4.0 g / 62 gr	Lead free, integrated steel core infantry round with enhanced penetration capacity – bullet in redesign process	HC	–	945 m/s *	MC-MOPI			
LF Styx Action			3.7 g / 57 gr	Lead free round for excellent stopping power due to instantaneous energy deposition on soft targets	SHP	–	935 m/s *	MC-MOPI			
Frangible SJ SX			4.0 g / 62 gr	The frangible bullet is made from sintered copper, is completely lead-free and fully recycable	SJ frangible	0.200	795 m/s *	MC-MOPI			
Frangible SX			2.9 g / 45 gr	The bullet is made from copper and polymer by injection moulding. The shooting distance can be reduced without risking being hit by backsplashes or ricochets.	Frangible	0.097	990 m/s *	MC-MOPI			

* 508mm barrel

7.62 × 35 / .300 BLK

By definition the calibre .300 BLK is particularly well suited for subsonic shooting. The optimized propellant chamber provides a constant pressure development which ensures the highest first-shot hit probability.

			Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer
HV Ball SX			9.5 g / 146 gr	Highly accurate full metal jacket round for military training and duty	TFMJ	0.421	580 m/s *	C.I.P.		
HV Styx Action SX			8.4 g / 130 gr	High-performance round for excellent stopping power due to instantaneous energy deposition on soft targets	JHP	0.259	645 m/s *	C.I.P.		
HV LF Styx Action SX			7.0 g / 108 gr	Lead free round for excellent stopping power due to instantaneous energy deposition on soft targets	SHP	0.247	745 m/s **	C.I.P.		
Subsonic SX			14.3 g / 220 gr	Subsonic round with an excellent first-hit probability and very consistent ballistic values	HPBT	0.417	315 m/s *	C.I.P.		
HV Frangible SJ SX			7.0 g / 108 gr	The frangible bullet is made from sintered copper, is completely lead-free and fully recycable	SJ Frangible	0.240	645 m/s *	C.I.P.		

* 450 mm barrel / ** 600mm barrel





Brands

 Blackground

 MFS










 RWS

Ammunition for Armed Forces

7.62 × 39										
	Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer	Lead free	
FMJ (M43)	 8.0 g / 124 gr	Waterproof infantry round FMJ	FMJ	–	725 m/s	C.I.P.				

7.62 × 51









The NATO calibre 7.62 × 51 is used more frequently again and enables effective operative ranges of more than half a kilometre thanks to the excellent precision and penetration capacity of SwissP Defence's ammunition. The product spectrum includes versatile solutions for machine gun shooters and designated marksmen. Most advanced production processes and quality control down to the last detail guarantee reliability under extreme conditions.

	Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer	
FMJ (M80)	 9.5 g / 146 gr	High-quality infantry round for use in extreme conditions	FMJ	0.359	855 m/s *	MC-MOPI			
Tracer (M62)	 9.2 g / 141 gr	Tracer (red) with delayed ignition for better concealment	Tracer	–	815 m/s *	MC-MOPI			
IR Tracer	 9.2 g / 141 gr	IR Tracer (purple) with delayed ignition for better concealment	IR Tracer	–	815 m/s *	MC-MOPI			

* 562mm barrel

12.7 × 99

The well-proven NATO calibre 12.7 × 99 for heavy machine guns as well as sniper rifles enables operative ranges which clearly exceed those achieved with conventional rifle calibres. SwissP Defence's ammunition is characterized by its outstanding precision and reliability under extreme conditions. Moreover, the entirely lead free cartridges are equipped with low-pollution SINTOX® ignition elements.

	Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer	Lead free
SR Solid SX	 45.2 g / 698 gr	Training round for a significant reduced danger zone	SRS	0.387	880 m/s*	MC-MOPI			
SR Solid Tracer SX	 45.8 g / 707 gr	Training round for a significant reduced danger zone with red trace	SRS Tracer	–	870 m/s*	MC-MOPI			


* 1'143 mm barrel

Safe Combat Simulation



Blank

In training on the machine gun and assault rifle, numerous Armed Forces have been relying for years on the combat simulation with blank cartridges as an important part of a soldier's basic training. While blank cartridges of plastic convince above all by their low weight, the ones of brass stand up particularly well to strains.

	Description	Brand	Primer	Lead free
9 × 19 Plastic Blank SX	 Blank cartridge with plastic tip for safe simulation			
4.6 × 30 Blank SX	 Brass Blank cartridge for safe simulation			
5.56 × 45 Blank	 Brass Blank cartridge for safe simulation			
7.62 × 51 Blank SX	 Brass Blank cartridge for safe simulation			
7.62 × 39 Blank	 Brass Blank cartridge for safe simulation			
.338 Lapua Mag. Blank	 Brass Blank cartridge for safe simulation			

Brands

 Blackround

 MFS

 RWS



SWISS P



Special Ammunition for Snipers



P – Premium

Due to tight production tolerances and quality control constant ballistic values are guaranteed. Batch to batch and lot to lot, our attention to detail ensures identical premium performance and complete customer satisfaction.









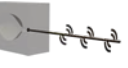

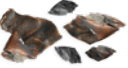
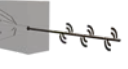















P – Precision

The precision of our cartridges is legendary, and this even under extreme conditions. All cartridges consistently achieve sub MoA accuracy (1 MoA = 1/60 of a degree or angular minute, corresponding to approx. 1 inch at 100 yards).

P – Power

The performance is one of the outstanding characteristics of the SWISS P line. Even at long ranges our products maintain high velocities for maximum target effect.

A round for any situation




























Ball				the classic FMJ, designed for military use
Target				for match, training or operations
Styx Action				deformation bullet for stopping power on soft targets
Final SR				fragmentation bullet for transfer of maximum Energy
Armour Piercing				for hard targets
Armour Piercing Incendiary				hit, mark and penetrate
Tactical				for targets behind glass/ intermittent barriers
Subsonic				for suppressed shooting
Subsonic Final				to avoid over-penetration

Quality made in Switzerland

The professional SWISS P line convinces by its technological perfection down to the smallest detail. For best accuracy in training and mission highest quality standards in materials and manufacturing processes are required. 160 years of experience, extensive know-how, expertise and modern production facilities allow us to consistently produce rounds of constant, outstanding quality. Our products are used by most of the world's tier one SF and police groups. Quality without compromise is what we believe in.

.223 Rem.

Most varied danger situations require very different means. SwissP Defence offers a wide range of special cartridges which stand out by their excellent precision and highest first-hit probability. The different bullets guarantee an outstanding effect on hard and soft targets. The perfectly coordinated ballistics of the SWISSP cartridges permit the shooter to change between bullet types while maintaining the aiming point.

		Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer
Ball		4.1 g / 63 gr	Highly accurate full metal jacket round for military training and duty	FMJ	0.368	910 m/s *	C.I.P.		
Ball SX		4.1 g / 63 gr	Highly accurate full metal jacket round for military training and duty	TFMJ	0.368	910 m/s *	C.I.P.		
Target		4.5 g / 69 gr	Round for very best accuracy in training and competition	HPBT	0.379	855 m/s *	C.I.P.		
Target SX		4.5 g / 69 gr	Round for very best accuracy in training and competition	HPBT	0.379	855 m/s *	C.I.P.		
Styx Action		4.5 g / 69 gr	High-performance round for excellent stopping power due to instantaneous energy deposition on soft targets	JHP	0.313	855 m/s * 860 m/s **	C.I.P. MC-MOPI		
Styx Action SX		4.5 g / 69 gr	High-performance round for excellent stopping power due to instantaneous energy deposition on soft targets	JHP	0.313	855 m/s * 860 m/s **	C.I.P. MC-MOPI		
Bonded Styx Action		3.6 g / 55 gr	Bonded bullet provides maximum weight retention and high stopping power due rapid expansion	BSP	0.171	1 000 m/s *	C.I.P.		
Final SR		3.4 g / 52 gr	Highly accurate fragmentation bullet for a minimized risk of over-penetration and enhanced safety for bystanders due to total bullet disintegration	JHP	0.182	1040 m/s *	C.I.P.		
Armour Piercing		4.1 g / 63 gr	High-performance round for maximum penetration power on hard targets	AP	0.363	875 m/s ***	Swiss Army		

























* 600 mm barrel / ** 508 mm barrel / *** 500 mm barrel

Brands



.308 Win.






















The calibre .308 Win. is extremely widespread among authority and military forces. In no other calibre has SwissP Defence such a varied product spectrum for snipers, security shooters and designated marksmen. The right tool exists for each highly special intervention. A particularly positive aspect is the interchangeability of different cartridges without need to adjust the optics, but a constant point of impact. This is referred to as coordinated ballistics enabling an enormous flexibility in action.

		Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer
Ball		11.4 g / 176 gr	Highly accurate full metal jacket round for military training and duty	FMJ	0.523	790 m/s*	C.I.P.		
Target		10.9 g / 168 gr 11.3 g / 175 gr	Round for very best accuracy in training and competition Target round for an enhanced operation distance	JHP JHP	0.489 0.547	805 m/s* 790 m/s*	C.I.P. C.I.P.		
Styx Action		10.8 g / 167 gr	High-performance round for excellent stopping power due to instantaneous energy deposition on soft targets	HPBT	0.363	810 m/s*	C.I.P.		
Final SR		8.4 g / 130 gr	Highly accurate fragmentation bullet for a minimized risk of over-penetration and enhanced safety for bystanders due to total bullet disintegration	JHP	0.240	895 m/s*	C.I.P.		
Armour Piercing		12.7 g / 196 gr	High-performance round for maximum penetration power on hard targets	AP	0.652	790 m/s*	C.I.P.		
Tactical		10.6 g / 163 gr	High-performance round for excellent first-hit probability and terminal effect behind angled glass	SFNB	0.303	820 m/s*	C.I.P.		
Subsonic		13.0 g / 200 gr 15.6 g / 240 gr	Highly accurate round for silent operations in urban terrain Highly accurate subsonic round for additional target energy	HPBT HPBT	0.364 0.465	315 m/s** 315 m/s**	C.I.P. C.I.P.		
Subsonic Final		13.0 g / 200 gr	Highly accurate fragmentation round for silent operations in urban terrain	JPP	0.159	310 m/s**	C.I.P.		

* 650 mm barrel / ** 450 mm barrel

.338 Lapua Mag.


The calibre .338 Lapua Mag. is very popular with long-distance shooters and widely used especially in the military sector. The relatively compact and handy weapon system enables effective operative ranges of more than one and a half kilometres under optimal conditions. The bullet remains stable over a long distance in the supersonic range and brings accordingly much energy precisely into the target. To be able to avert particular danger situations SwissP Defence offers various special bullets which are closely matched to each other. Be it for the penetration of light armour, precision shots through glass panels or a minimized danger for the background, the shooters can choose from well thought-out and extensively proven solutions within the framework of the SwissP Defence SWISS P line.

		Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer
Ball		16.3 g / 251 gr	Highly accurate full metal jacket round for military training and duty	FMJ	0.657	855 m/s *	C.I.P.		
Target		16.2 g / 250 gr	Round for very best accuracy in training and competition	HPBT	0.684	865 m/s *	C.I.P.		
		19.4 g / 300 gr	Target round optimized for long-range shooting	HPBT	0.831	835 m/s *	C.I.P.		
Styx Action		16.0 g / 247 gr	High-performance round for excellent stopping power due to instantaneous energy deposition on soft targets	JHP	0.433	875 m/s *	C.I.P.		
Armour Piercing		16.8 g / 260 gr	High-performance round for maximum penetration power on hard targets	AP	0.677	850 m/s *	C.I.P.		
Armour Piercing Incendiary		16.9 g / 261 gr	The tungsten carbide core provides maximum penetration power, while the titanium tip provides incendiary marking	API	0.679	847 m/s *	C.I.P.		
Tactical		16.2 g / 250 gr	High-performance round for excellent first-hit probability and terminal effect behind angled glass	SFNB	0.375	860 m/s *	C.I.P.		
Subsonic		16.2 g / 250 gr	Cartridge load very close to the sound barrier, but without risking a supersonic bang	HPBT	0.650	315 m/s *	C.I.P.		

* 650 mm barrel




Brands

 SWISS P

 RWS

.375 SWISS P

The new .375 SWISS P long-distance ammunition has been especially developed for the requirements of operational precision shooters. The new calibre is suitable for highly demanding situations and markedly increases the operational spectrum of the proven .338 weapons system. .375 SWISS P calibre projectile types can reach distances of up to 1,600 m supersonic, which equates to an increase in operational range of more than 25 percent when compared to the .338 LM (250 gr). This helps you to extend the time window for infiltration and exfiltration, and with it, increase your own protection.

		Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer
Ball		22.7 g / 350 gr	Highly accurate full metal jacket round for military training and duty	FMJ	0.801	860 m/s *	C.I.P.		

* 762 mm barrel

.375 SWISS P – Your tactical advantage









The new .375 SWISS P allows discerning professionals and forwardthinking organisations to build a firm foundation for mission success:

- [Cost-efficient upgrade for .338 weapons systems](#)
- [Expanded operational spectrum \(up to 1,600m supersonic flight\)](#)
- [Increased projectile weight maximises precision and provides reliable, consistent shooting performance](#)
- [Significantly greater target energy and increased penetration power when compared to .338](#)
- [The new .375 SWISS P weapon system: more capable than .338 and lighter than .50](#)

With the new calibre, professionals and appropriate organisations are perfectly equipped for the widest variety of missions. The cost-effective weapons system guarantees absolute functionality and performance reliability – even under extreme conditions. During operations, both mobility and personal protection are increased, along with the window of opportunity for infiltration and exfiltration.

.50 Browning

The well-proven NATO calibre 12.7 × 99 for heavy machine guns as well as sniper rifles enables operative ranges which clearly exceed those achieved with conventional rifle calibres. SwissP Defence's ammunition is characterized by its outstanding precision and reliability under extreme conditions. Moreover, the entirely lead free cartridges are equipped with low-pollution SINTOX® ignition elements.

		Weight	Description	Bullet type	BC G1	Muzzle velocity	Term of reference	Brand	Primer	Lead free
Training SX		41.7 g / 644 gr	Target-friendly soft core round with good precision and suitable for training purposes	JSC	0.698	905 m/s *	MC-MOPI			
HC SX		48.5 g / 748 gr	Hard-core round with excellent penetrating power and precision	JHC	0.779	895 m/s *	MC-MOPI			

* 1'143 mm barrel

Product Overview

Calibre	Name	Type	Bullet Weight		Primer	Term of reference	Muzzle velocity		Energy J	Barrel Length mm	BC G1
			g	gr			m/s	fps			
9 × 19	FMJ	FMJ	8.0	124	SINOXID	C.I.P.	380	1247	575	150	–
	FMJ SX	TFMJ	8.0	124	SINTOX	C.I.P.	380	1214	545	150	–
	NATO FMJ	FMJ	8.0	124	SINOXID	MC-MOPI	390	1296	620	200	–
	NATO FMJ SX	TFMJ	8.0	124	SINTOX	MC-MOPI	390	1296	620	200	–
	FMJ	FMJ	7.5	115	SINOXID	C.I.P.	390	–	–	150	–
	ACTION 4	SHP	6.1	94	SINTOX Forensis	TR	420	1378	540	100	–
	ACTION 5	SHP	6.1	94	SINTOX Forensis	TR	425	1394	550	100	–
	ACTION 6	SHP	6.1	94	SINTOX Forensis	C.I.P.	400	1312	500	150	–
	ACTION SE	SHP	7.0	108	SINTOX Forensis	TR	400	1312	560	100	–
	ACTION Training	TR	6.1	94	SINTOX	TR	405	1329	–	100	–
	Tracer	Tracer	7.6	118	SINOXID	–	420	1378	670	200	–
	HP SX	JHP	8.0	124	SINTOX	C.I.P.	365	1198	530	150	–
	Subsonic FMJ	FMJFN	10.0	154	SINOXID	C.I.P.	315	1033	495	150	–
12-70 Magnum	Entry 1	PZP	32.5	502	SINOXID	C.I.P.	–	–	–	–	–
	Entry 2	PZPS	27.0	417	SINOXID	C.I.P.	–	–	–	–	–
4.6 × 30	FMJ SX	FMJ	2.6	40	SINTOX	DM21	620	2034	500	180	–
	Action SX	SHP	2.0	31	SINTOX	C.I.P.	690	2264	475	180	–
	AP SX	Solid	2.0	31	SINTOX	acc. MC-MOPI	680	2231	530	180	–
	Training SX	JSC	1.7	26	SINTOX	C.I.P.	660	2165	370	180	–
	Subsonic SX	Solid	5.0	77	SINTOX	C.I.P.	290	951	210	180	–
	Frangible SJ SX	Frangible	1.7	26	SINTOX	C.I.P.	700	2297	365	180	–
	Blank SX	–	–	–	SINTOX	DM18	–	–	–	–	–
5.56 × 45	FMJ (M193)	FMJ	3.6	55	SINTOX	MC-MOPI	990	3248	1764	508	0.280
	FMJ SX (M193)	TFMJ	3.6	55	SINTOX	MC-MOPI	980	3225	1739	510	0.280
	FMJ (M193) linked	TFMJ	3.6	55	SINTOX	MC-MOPI	990	3248	1764	508	0.280
	FMJ HA	TFMJ	4.1	63	SINOXID	MC-MOPI	910	2985	1700	508	0.345
	Styx Action	HPBT	4.5	69	SINOXID	MC-MOPI	880	2887	1731	508	0.314
	HC (SS109)	HC	4.0	62	SINOXID	MC-MOPI	945	3100	1785	508	0.310
	HC (SS109) linked	HC	4.0	62	SINOXID	MC-MOPI	945	3100	1785	508	0.310
	APT C	AP	4.1	63	SINOXID	MC-MOPI	945	3100	1830	508	0.342
	LF HC SX	SHP	4.0	62	SINTOX	MC-MOPI	945	3100	1786	508	0.310
	LF Styx Action	HPT	3.7	57	SINTOX	MC-MOPI	935	3068	–	508	–
	IR Tracer	IR tracer	4.1	63	SINOXID	MC-MOPI	905	2969	1680	508	–
	Tracer NATO	Tracer	4.1	63	SINOXID	MC-MOPI	905	2969	1680	508	–
	Frangible SJ SX	Frangible	4.0	62	SINTOX	MC-MOPI	805	2641	1296	508	–
	Frangible SX	Frangible	2.9	45	SINTOX	MC-MOPI	990	3248	1421	508	–
	Blank	–	–	–	SINOXID	–	–	–	–	–	–
7.62 × 39	FMJ (M43)	FMJ	8.0	124	SINOXID	C.I.P.	725	2378	2102	600	0.365
7.62 × 51	FMJ (M80)/linked	FMJ	9.5	146	SINOXID	MC-MOPI	855	2805	3455	562	0.359
	Tracer (M62)/linked	Tracer	9.2	141	SINOXID	MC-MOPI	815	2674	3055	562	–
	IR Tracer	TFMJ	9.2	141	SINOXID	MC-MOPI	815	2674	3055	562	–
7.62x35 / .300 BLK	HV Ball SX	TFMJ	9.5	146	SINTOX	C.I.P.	580	1903	1598	600	0.427
	HV Styx Action SX	SHP	8.4	130	SINTOX	C.I.P.	645	2116	1747	600	0.241
	HV LF Styx Action SX	SHP	7.0	108	SINTOX	C.I.P.	745	2444	1943	600	0.247
	HV Frang SJ SX	Frangible	7.0	108	SINTOX	C.I.P.	645	2116	1456	600	0.240
	Subsonic SX	HPBT	14.3	220	SINTOX	C.I.P.	315	1033	709	229	0.417

Calibre	Name	Type	Bullet Weight		Primer	Term of reference	Muzzle velocity		Energy J	Barrel Length mm	BC G1
			g	gr			m/s	fps			
12.7 × 99	SR Solid SX	Solid	45.2	698	SINTOX	C.I.P.	880	2887	17501	1143	–
	Solid Tracer SX	Solid	45.8	707	SINTOX	C.I.P.	870	2854	17333	1143	–

SWISS P

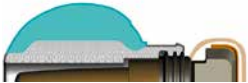
.223 Rem.	SWISS P Ball	TFMJ	4.1	63	SINOXID	C.I.P.	910	2986	1698	600	0.368
	SWISS P Ball SX	TFMJ	4.1	63	SINTOX	C.I.P.	910	2986	1698	600	0.368
	SWISS P Target	HPBT	4.5	69	SINOXID	C.I.P.	895	2936	1790	600	0.393
	SWISS P Target SX	HPBT	4.5	69	SINTOX	C.I.P.	895	2936	1790	600	0.393
	SWISS P Styx Action	JHP	4.5	69	SINOXID	C.I.P.	895	2936	1790	600	0.361
	SWISS P Styx Action SX	JHP	4.5	69	SINTOX	C.I.P.	895	2936	1790	600	0.361
	SWISS P Bonded Styx	BSP	3.6	55	SINOXID	C.I.P.	1000	3281	1800	600	0.171
	SWISS P AP	AP	4.1	63	SINOXID	Swiss Army	875	2870	1570	500	0.363
	SWISS P Final SR	JHP	3.4	52	SINTOX	C.I.P.	1040	3412	1407	600	0.182
.308 Win.	SWISS P Ball	FMJ	11.4	176	SINOXID	C.I.P.	790	2592	3557	650	0.523
	SWISS P Target	JHP	10.6	168	SINOXID	C.I.P.	805	2641	3530	650	0.489
	SWISS P Targer	JHP	11.3	175	SINOXID	C.I.P.	790	2592	3526	650	0.547
	SWISS P Styx Action	HPBT	10.8	167	SINOXID	C.I.P.	810	2657	3543	650	0.363
	SWISS P AP	AP	12.7	196	SINOXID	C.I.P.	790	2592	3963	650	0.652
	SWISS P Tactical	SFNBT	10.6	163	SINOXID	C.I.P.	820	2690	3564	650	0.303
	SWISS P Subsonic	HPBT	13.0	200	SINOXID	C.I.P.	315	1033	645	450	0.364
	SWISS P Subsonid	HPBT	15.6	240	SINOXID	C.I.P.	315	1033	770	450	0.465
	SWISS P Final SR	JHP	8.4	130	SINOXID	C.I.P.	895	2936	3360	650	0.240
	SWISS P Subsonic Final	JPP	13.0	200	SINOXID	C.I.P.	310	1017	625	450	0.159
.338 LM	SWISS P Ball	FMJ	16.3	251	SINOXID	C.I.P.	855	2805	5958	650	0.657
	SWISS P Target	JHP	16.2	250	SINOXID	C.I.P.	865	2838	6061	650	0.684
	SWISS P Target	HPBT	19.4	300	SINOXID	C.I.P.	835	2739	6763	650	0.831
	SWISS P Styx Action	JHP	16.0	247	SINOXID	C.I.P.	875	2871	6125	650	0.433
	SWISS P AP	AP	16.8	260	SINOXID	C.I.P.	847	2789	6026	650	0.677
	SWISS P API	API	17.1	263	SINOXID	C.I.P.	847	2779	6076	650	0.679
	SWISS P Tactical	SFNBT	16.2	250	SINOXID	C.I.P.	860	2821	5591	650	0.375
	SWISS P Subsonic	HPBT	16.2	250	SINOXID	C.I.P.	320	1050	829	–	0.678
	Blank	–	–	–	SINOXID	–	860	–	–	–	–
.375	SWISS P Ball	FMJ	22.7	350	SINOXID	C.I.P.	860	2838	8492	762	0.801
.50 Browning	SWISS P Training SX	JSC	41.7	644	SINTOX	MC-MOPI	905	2969	17077	1143	0.698
	SWISS P HC SX	JHC	48.5	748	SINTOX	MC-MOPI	895	2936	19425	1143	0.780

Grenades



Hand Grenade HG 85 Line


The HG 85 Line convinces the users not only by its outstanding effect, but also by the safety features and the ease of handling. Moreover, different types of practice and offensive grenades supplement the defensive grenades ideally to form a complete product line. The fragmentation hand grenade (HG 85 Fragmentation) is based on the most advanced technology and penetrates present-day protective wear effectively. The hand grenades of SwissP Defence have been used by Armed Forces all over the world for many years.

	Weight	Explosive Mass (RDX/ TNT 60/40)	Description	No. of Fragments	CLP
HG 85 Fragmentation 	470 g	165 g	Fragmentation hand grenade with prefragmented steel jacket	approx. 2000 effective Fragments	1.2D
OHG 85 Offensive 	310 g	165 g	Offensive hand grenade with aluminium-alloy jacket	none effective Fragments	1.2D
SR OHG 85 Short Range Offensive 	195 g	85 g	Offensive hand grenade for short operative ranges, aluminium-alloy body	none effective Fragments	1.2D
THG 85 Training Sound 	460 g		Reusable practice hand grenade with reloadable noise element		Inert (training fuse 1.4 S)
Drill 85 	400 g		Drill hand grenade		Inert



76 mm TSG (Training Smoke Grenade)

Vehicles and armoured platforms equipped with an appropriate launcher can be protected effectively by means of the pyrotechnical 76 mm Smoke Grenades. The 76 mm TSG enables self-protection with significant reduced environment and health impacts combined with fire prevention for all types of armoured vehicles, from tanks to LAVs.

	Weight	Description	Burst height	Ignition
76 mm TSG 	900 g	Provides realistic training with significant reduced environment and healt impacts	2 – 8 m	electronically



System Solutions

Building on our unparalleled expertise and long track record, we are also able to provide customised, integrated system solutions. Along with the takeover by Beretta Holding in 2022 we gained new partnerships with companies being part of “Beretta Defense Technologies” (BDT), the strategic alliance of Beretta Holding companies supplying services and products to Military and Law Enforcement operators around the world. In addition to ammunition, we can supply firearms, optical devices, lasers and suppressors.



Glossary

AP	Armour Piercing	MC-MOPI	Multi-Calibre Manual of Proof and Inspection Procedures , AEP-97
BC	Ballistic Coefficient G1 (ICAO)	(+P)	Higher Pressure
C.I.P.	Commission Internationale Permanente pour l'Epreuve des Armes à Feu Portatives	PZP	Pressed Zinc Powder
FMJ	Full Metal Jacket	PZPS	Pressed Zinc Powder Slug
FMJFP	Full Metal Jacket Flat Point	SFNBT	Solid Flat Nose Boat Tail
HA	High Accuracy	SHP	Solid Hollow Point
HC	Hard Core	SJ	Semi Jacket
HP	Hollow Point	SR	Short Range
HPBT	Hollow Point Boat Tail	SRS	Short Range Solid
HV	High Velocity	SX	SINTOX
JHC	Jacketed Hard Core	SXF	SINTOX-FORENSIS
JHP	Jacketed Hollow Point	TC	Tungsten Carbid Core
JPP	Jacketed Pressed Pellets	TR	Technische Richtlinie
JSC	Jacketed Soft Core	TFMJ	Totally encapsulated leadcore, Full Metall Jacket
LF	Lead free		

Symbols

Lead Free		Lead free projectile and primer
Linked		Linked
NATO Design Mark		Technical specifications according to NATO standards
Sinoxid		Sinoxid Standard primer
Sintox (SX)		Low-polluting primer
Sintox Forensis (SXF)		Sintox (SXF) Low-polluting primer with marking agent
SWISS P		High-accuracy sniper ammunition

For further information please ask for our factsheets.
Errors and omissions excepted, subject to technical modifications.

Driven by your trust.

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SwissP Defence AG

Uttigenstrasse 67
3602 Thun, Switzerland
Phone +41 33 854 44 00
info@swisspdefence.com



www.swisspdefence.com

