



SWISS+
ARMS

LAW ENFORCEMENT AND
DEFENSE PRODUCTS

when it counts





Built for extremes. The Swiss Assault Rifle – made by Swiss Arms

The company Swiss Arms AG, successor of the SIG Arms AG, is the oldest arms manufacturer in Switzerland. More than 140 years of precision arms manufacturing constitute a solid foundation of experience. The Swiss Arms AG with its joint owners is integrated in an international group of companies whose arms designs stand for success all over the world – in law enforcement and special units as well as in hunting and shooting competition.

Law enforcement, special units and armies are equipped with assault rifles of the SG 550 line. Elaborate technology and design lead to outstanding results, even in toughest test applications. Large-scale tests in the alpine regions of Switzerland proved that the high precision performance and the functional safety of these rifles is absolutely reliable, even if influenced by extreme cold, dust, sand and mud. This is how the SG 550 line managed to be awarded the demanding Swiss army grade "suitable for troops".

Ever since then, the Swiss assault rifle has been continuously optimized in design, range of materials and manufacturing. It offers ultimate security when used in conditions of time pressure and stress, and reliable top performance for precise tactical action by armies, authorities and special units.

The SG 550 model range

The SG 550-model range consists of a strategic rifle family for multipurpose use for terrestrial, maritime and airborne assignments.

It is available in 3 versions:

SG 550:

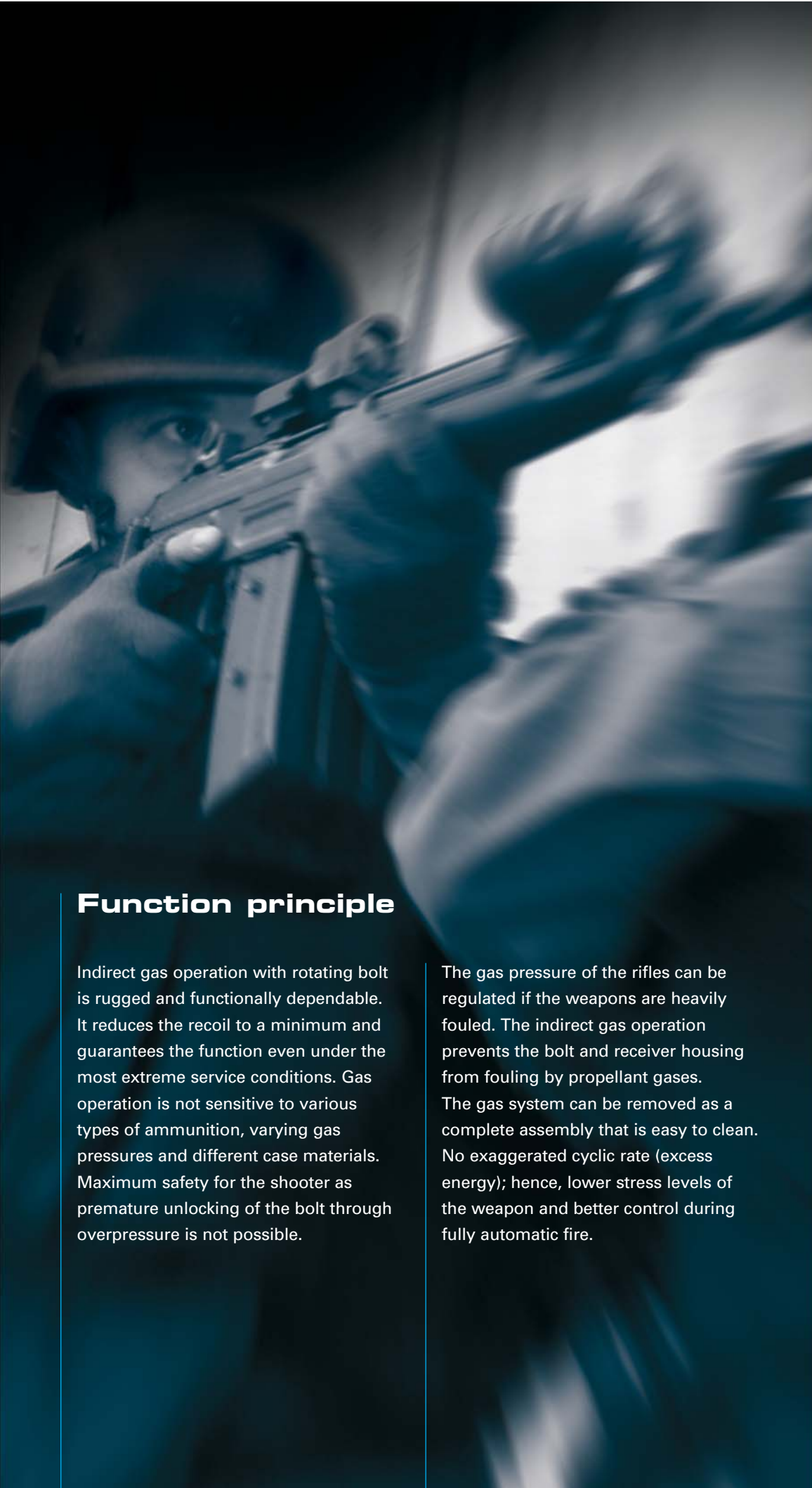
The standard platoon support weapon

SG 551:

The general-purpose weapon, specially conceived for military forces and elite units

SG 552:

The compact high potential commando rifle for rapid mobile team assignments.



Function principle

Indirect gas operation with rotating bolt is rugged and functionally dependable. It reduces the recoil to a minimum and guarantees the function even under the most extreme service conditions. Gas operation is not sensitive to various types of ammunition, varying gas pressures and different case materials. Maximum safety for the shooter as premature unlocking of the bolt through overpressure is not possible.

The gas pressure of the rifles can be regulated if the weapons are heavily fouled. The indirect gas operation prevents the bolt and receiver housing from fouling by propellant gases. The gas system can be removed as a complete assembly that is easy to clean. No exaggerated cyclic rate (excess energy); hence, lower stress levels of the weapon and better control during fully automatic fire.

Contents

Assault rifles

SG 550 4-5



SG 551 6-7



SG 552 8-9



Grenade launchers

GLG 40 10-11



GL 5040 10



GL 5140 10



Accessories 12

SG 550

Basic Technical Data



Caliber	5,56 mm (.223 Rem.)
Length, overall	998 mm
Height, overall	210 mm
Length with butt stowed	772 mm
Barrel length	528 mm
Rifling lead	178 mm (7"), 254 mm (10")
No. of grooves	6

Sight base	540 mm
Weapon weight	4,1 kg
Magazine capacity	5, 10, 20, 30
Mag. weight with 20, 30 rounds	340, 480 g
Combat weight with 120 rounds	6,0 kg
Weight of empty mag. 20, 30	95, 110 g
Trigger pull weight	35 N (3,5 kg)
Muzzle energie	1700 J
Cyclic rate	approx. 700 rounds/min
Function principle	gas operated
Bolt pattern	rotating bolt

Swiss Assault Rifles of the SG 550 line

All over the world, the Swiss assault rifles rank among the toughest and most versatile tactical arms. Experienced special units were constantly integrated in the development of the three models. With its compact and ergonomic design and swift handling, the assault rifle has proven its worth in physically demanding encounters, where cover

and speed count. It can be operated with only one hand by left- and right-handed shooters. The shooting hand is close to the axis of the bore for a maximum control during target acquisition. Night sights and riflescopes as well as grenade launchers can be adapted.

Robust design, comfortable weight and rust protection have been optimized by an innovative choice of materials. Quality steel and light metal are combined with high-grade synthetic materials.



Gas valve

Gas valve with 2 settings to ensure reliable cycling, even under the most extreme conditions



Bipod

Detachable folding bipod ergonomically fitted in the hand guard



Flip-up front sight

GL 5040

SG 550 can be equipped with the 40 mm Grenade Launcher GL 5040.





Dioptersight or receiver with Picatinny rail

Dioptersight adjustable for windage and elevation with integrated illuminated sources for night firing and foresight assembly comprising a flip-up night sight. Diopter is adjustable for a distances up to 400m.

Integrated Picatinny rail (MIL-STD-1913) (AR) with emergency battle sight allows the flattest possible line-of-sight and the most reduced distance between the bore and the line-of-sight. It enhances accuracy that prevents the trooper from bad shots because of canting the sights and it reduces silhouette exposed to the opponent. All kinds of current mechanical or optical sights as the Trijicon ACOG advanced combat sights, Reflex- or Aimpoint red dot sights, telescopic or night-vision sights, laser aiming devices and tactical lights can very easily be fitted.



Butt

Rugged folding butt of highly resistant synthetic material with butt stock release button, rubber butt plate fixation clip for normal use and firing when folded.

Also available as an accessory is the cheek rest when using a telescopic sight.



Pistol grip

Made of highly resistant synthetic material with storage compartment for the loading tool or cleaning kit.



Magazine release

Ambidextrous magazine release lever



Safety selector lever

Ambidextrous safety/selector lever for 3 modes of fire: single-shot, 3-round burst fire, fully automatic, as well as safety catch and automatic firing lock.



Trigger unit

Excellent pressure point trigger that breaks crisp and clean after taking the pressure point. The trigger guard can be pivoted to the left or right when shooting with gloves.



Folding butt

The rifle can be shot with folded down butt. The butt clicks firmly into the upper hand guard.

Magazines

Patented system of lightweight (30% lighter than metal magazines), viewable load status of the translucent magazines for critical situations, stackable 20 and 30-round magazines for easy changing. 5 and 10 round magazines are also available. The magazines are made of corrosion proof and very resistant polymer.

SG 551 SWAT

Basic Technical Data SG 551 LB (Long Barrel) / SG 551

SG 551 SWAT

A gas-operated weapon system minimized in dimensions and weight that has been conceived for tactical missions of SWAT teams. It is highly suitable for any military, especially maritime engagement as well as demanding law enforcement.

The weapon exists in a normal and long barrel version and alternatively with adjustable drum diopter sight or Picatinny rail receiver and integrated adjustable auxiliary iron sights. All SG 551 versions can be equipped with the 40 mm Grenade Launcher GL 5140. The version with long barrel is designed for shooting rifle grenades and has a bayonet option.



Caliber	5,56 mm (.223 Rem.)
Length, overall	924 / 833 mm
Height, overall	210 mm
Length with butt stowed	698 / 607 mm
Barrel length	454 / 363 mm
Rifling lead	178 mm (7"), 254 mm (10")
No. of grooves	6

Sight base	466 mm
Weapon weight	3,6 / 3,4 kg
Magazine capacity	5, 10, 20, 30
Mag. weight with 20, 30 rounds	340, 480 g
Combat weight with 120 rounds	5,6 / 5,4 kg
Weight of empty mag. 20, 30	95, 110 g
Trigger pull weight	35 N (3,5 kg)
Muzzle energie	1600 / 1460 J
Cyclic rate	approx. 700 rounds/min
Function principle	gas operated
Bolt pattern	rotating bolt



Barrel length

The weapon exists in a standard and long barrel version.
The version with long barrel is designed with a bayonet option.



Picatinny accessory rail adapters

The rifles can be equipped with different tactical equipments as quick detachable Picatinny accessory rail adapters for mounting a vertical fore-grip and/or bipods.

Upper fore-grip with Picatinny rails on both sides to mount tactical lights are also available.



Gas valve

Gas valve with 2 settings to ensure reliable cycling, even under the most extreme conditions



Flip-up front sight

GL 5140

All SG 551 versions can be equipped with the 40 mm Grenade Launcher GL 5140.





Diopersight or receiver with Picatinny rail



Diopersight adjustable for windage and elevation with integrated illuminated sources for night firing and foresight assembly comprising a

flip-up night sight. Diopter is adjustable for a distances up to 400m.

Integrated Picatinny rail (MIL-STD-1913) (AR) with emergency battle sight allows the flattest possible line-of-sight and the most reduced distance between the bore and the line-of-sight. It enhances accuracy that prevents the trooper from bad shots because of canting the sights and it reduces silhouette exposed to the opponent. All kinds of current mechanical or optical sights as the Trijicon ACOG advanced combat sights, Reflex- or Aimpoint red dot sights, telescopic or night-vision sights, laser aiming devices and tactical lights can very easily be fitted.



Butt

Rugged folding butt of highly resistant synthetic material with butt stock release button, rubber butt plate fixation clip for normal use and firing when folded.

Also available as an accessory is the cheek rest when using a telescopic sight.



Magazines

Patented system of lightweight (30% lighter than metal magazines), viewable load status of the translucent magazines for critical situations, stackable 20 and 30-round magazines for easy changing. 5 and 10 round magazines are also available. The magazines are made of corrosion proof and very resistant polymer.

Magazine release

Ambidextrous magazine release lever

Safety selector lever

Ambidextrous safety/selector lever for 3 modes of fire: single-shot, 3-round burst fire, fully automatic, as well as safety catch and automatic firing lock.

Pistol grip

Made of highly resistant synthetic material with storage compartment for the loading tool or cleaning kit.



Trigger unit

Excellent pressure point trigger that breaks crisp and clean after taking the pressure point. The trigger guard can be pivoted to the left or right when shooting with gloves.



Folding butt

The rifle can be shot with folded down butt. The butt clicks firmly into the upper hand guard.

SG 552 Commando

Basic Technical Data



Caliber	5,56 mm (.223 Rem.)
Length, overall	730 mm
Height, overall	210 mm
Length with butt stowed	504 mm
Barrel length	226 mm
Rifling lead	178 mm (7"), 254 mm (10")
No. of grooves	6

Sight base	360 mm
Weapon weight	3,2 kg
Magazine capacity	5/10/20/30
Mag. weight with 20/30 rounds	340 g/480 g
Combat weight with 120 rounds	5,2 kg
Weight of empty mag. 20/30	95 g/110 g
Trigger pull weight	35 N (3,5 kg)
Muzzle energie	1100 J
Cyclic rate	approx. 720 rounds/min
Function principle	gas operated
Bolt pattern	rotating bolt

SG 552 Commando

An extremely flexible, very compact and light primary intervention weapon for special forces and the field of law enforcement.

Accurate, handy, powerful, operationally versatile: the compact weapon in caliber 5.56 mm x 45 NATO (.223 Rem.), for short and medium range assignments up to 300 meters.

Its terminal ballistic performance is clearly superior to the submachine gun.

Barrel

Tempered, cold hammer forged and heat treated 7" or 10" rifling twist heavy barrel, chamber and bore forged simultaneously, with screwed 3-prong flash hider.

Flip-up front sight



Gas valve

Gas valve with 2 settings to ensure reliable cycling, even under the most extreme conditions

MIL-STD-1913 Picatinny 4-rail fore-end

The very light but robust Picatinny 4-rail fore-end offers a top rail on the same level as the integrated rail on top of the receiver and enables the simultaneous mounting of optical and night-vision sights.

The side-rails accept lasers and tactical lights, the lower rail a vertical fore-grip and/or a bipod. The fore-end can be mounted or removed in seconds without tools.





Diopersight or receiver with Picatinny rail



Diopersight adjustable for windage and elevation with integrated illuminated sources for night firing and foresight assembly comprising a

flip-up night sight. Diopter is adjustable for a distances up to 400m.

Integrated Picatinny rail (MIL-STD-1913) (AR) with emergency battle sight allows the flattest possible line-of-sight and the most reduced distance between the bore and the line-of-sight. It enhances accuracy that prevents the trooper from bad shots because of canting the sights and it reduces silhouette exposed to the opponent. All kinds of current mechanical or optical sights as the Trijicon ACOG advanced combat sights, Reflex- or Aimpoint red dot sights, telescopic or night-vision sights, laser aiming devices and tactical lights can very easily be fitted.



Butt

Rugged folding butt of highly resistant synthetic material with butt stock release button, rubber butt plate fixation clip for normal use and firing when folded.

Also available as an accessory is the cheek rest when using a telescopic sight.



Magazines

Patented system of lightweight (30% lighter than metal magazines), viewable load status of the translucent magazines for critical situations, stackable 20 and 30-round magazines for easy changing. 5 and 10 round magazines are also available. The magazines are made of corrosion proof and very resistant polymer.

Magazine release

Ambidextrous magazine release lever

Safety selector lever

Ambidextrous safety/selector lever for 3 modes of fire: single-shot, 3-round burst fire, fully automatic, as well as safety catch and automatic firing lock.

Pistol grip

Made of highly resistant synthetic material with storage compartment for the loading tool or cleaning kit.



Trigger unit

Excellent pressure point trigger that breaks crisp and clean after taking the pressure point. The trigger guard can be pivoted to the left or right when shooting with gloves.



Folding butt

The rifle can be shot with folded down butt. The butt clicks firmly into the upper hand guard.

40 mm Grenade Launcher Gun GLG 40

The 40 x 46 mm caliber grenade launcher gun GLG is a lightweight breech loaded compact weapon system, operated in single-shot mode and reloaded by simple repetition cycle. It is equipped with a double stage trigger featuring a swivelling trigger guard for firing with gloves or mittens, with a folding butt stock, ambidextrous firing pin safety and flip-up front- and rear sights. An optical sight for quick aiming at ranges of 25 to 200 m is available.

Cleaning and maintenance are very easy. The barrel can be put away by simply pushing the take down lever and pulling the barrel forward. All commercially available grenades in 40 x 46 mm caliber with an overall length of 100 – 198 mm (3.9 to 7.8") can be fired.

Receiver and barrel are made of high-strength hard anodized aluminium and allow the use of enhanced charged ammunition.

The light and compact but robust design was made for missions in agglomerations at 25 to 200 m range. Thanks to the excellent accuracy the 40 mm GLG can especially be used on selective targets.

The 40 mm GLG is an effective weapon to fight against covered enemies in urban areas and buildings at a distance over the range to throw a hand grenade.



It is also suitable for Law Enforcement interventions, as a primary intervention weapon or anti-riot hyphenated gun for special units.

With the large range of different 40 mm effect and shock cartridges, protesters can be stopped or offenders forced to leave hiding places in rooms or covers without exposing the officers to the high risk when entering a building or a room.

Basic Technical Data GLG 40

Caliber	40 mm
Length, overall	710 mm
Length with butt stowed	480 mm
Barrel length	305 mm
Rifling lead	1200 mm
No. of grooves	6
Sight base	340 mm
Sight	folding leaf up to 200 m
Weight unloaded	2,5 kg
Muzzle velocity	75 m/s
System of operation	Single shot

GL 5040





Folding butt

The gun can be shot with folded down butt. The butt clicks firmly into the receiver.



40 mm Grenade Launcher GL 5040 and GL 5140

The 40 mm Grenade Launcher GL 5010/5140 can be attached to all SG 550/551 models and is operated in single-shot mode. Once mounted on the SG 550/551 it can be fired off-shoulder.

The straightforward attachment to the rifle needs no adapters or tools. After you remove the rifle's lower fore-end, the launcher can easily be put on and locked by turning the eccentric latch.

GL 5140



The GL 5040/5140 can fire all commercially available grenades in 40x46 mm caliber with an overall length of 100-198 mm (3,9 to 7,8").

The shooting of 40 mm grenades as well as of normal 5.56 mm ammunition can be carried out independently.



Basic Technical Data GL 5040 / GL 5140

Caliber	40 mm
Length, overall	432 mm
Barrel length	305 mm
Rifling lead	1200 mm
No. of grooves	6
Sight base	500 / 426 mm
Weight unloaded	1,7 kg
Muzzle velocity	75 m/s
System of operation	Single shot

Accessories



No	Designation	SSG 550	SSG 551	SSG 552
1	Scope mount (Stanag)	•	•	•
2	Universal scope mount	•	•	•
3	Adapter M16 mount	•	•	•
4	Adapter Stanag	•	•	•
5	Adapter Weaver with hole	•	•	•
6	Adapter Zeiss-Stanag	•	•	•
7	Adapter Picatinny-Stanag	•	•	•
8	Adapter Weaver-Stanag	•	•	•
9	Adapter night vision KITE	•	•	•
10	Picatinny mount	•	•	•
11	Picatinny rail for lower handguard	•	•	•
12	Picatinny rail for upper handguard	•	•	•
13	Vertical grip	•	•	•
14	Loading tool	•	•	•
15	Mount for tactical light	•	•	•
16	Blank firing attachment	•	•	—
17	Cheek rest (green or black)	•	•	•
18	Lower handguard for bipod	—	•	—
19	Picatinny mount for tactical light	•	•	•
20	Magazine 30 rounds	•	•	•
21	Magazine 20 rounds	•	•	•
22	Bipod, adjustable	—	•	•
23	Bayonet	•	•	—
24	Cleaning kit	•	•	•
25	Carrier bag with pockets and sling	•	•	•
26	Universal rifle-case	•	•	•
27	Tactical sling	—	•	•



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