

Swiss Industrial Company
Neuhausen Rhine Falls
Switzerland



SIG Pistols P 210



SIG pistol P 210-1 Standard model with wooden grip plates and polished surface



SIG pistol P 210-5 Target model with long barrel

1. Specifications

	Standard model		long rifle	Target model	
	Parabellum	Parabellum		Parabellum	Parabellum
Calibre	9 mm	7,65 mm	.22"	9 mm	7,65 mm
Barrel length	120 mm 4 ³ / ₄ "	120 mm 4 ³ / ₄ "	120 mm 4 ³ / ₄ "	120/150 mm 4 ³ / ₄ "/6"	120/150 mm 4 ³ / ₄ "/6"
Number of riflings	6	4	6	6	4
Twist right hand side (one turn)	250 mm 9 ⁷ / ₈ "	250 mm 9 ⁷ / ₈ "	450 mm 17 ³ / ₄ "	250 mm 9 ⁷ / ₈ "	250 mm 9 ⁷ / ₈ "
Magazine capacity: number of cartridges	8	8	8	8	8
Weights: weapon without magazine	900 g 31 ³ / ₄ ozs.	910 g 32 ozs.	845 g 29 ³ / ₄ ozs.	940/960 g 33 ¹ / ₂ /34 ¹ / ₂ ozs.	950/990 g 34/35 ¹ / ₂ ozs.
empty magazine	85 g 3 ozs.	85 g 3 ozs.	95 g 3 ¹ / ₃ ozs.	85 g 3 ozs.	85 g 3 ozs.
Length of sight-line	164 mm 6 ¹ / ₂ "	164 mm 6 ¹ / ₂ "	164 mm 6 ¹ / ₂ "	176/202 mm 7 ¹ / ₈ "	176/202 mm 7 ¹ / ₈ "
Overall length	215 mm 8 ¹ / ₂ "	215 mm 8 ¹ / ₂ "	215 mm 8 ¹ / ₂ "	215/245 mm 8 ¹ / ₂ "/9 ² / ₃ "	215/245 mm 8 ¹ / ₂ "/9 ² / ₃ "
Muzzle velocity: Vo p. sec.	350 m 1150 ft	365 m 1200 ft	200 m 670 ft	350 m 1150 ft	365 m 1200 ft
Weight of trigger pull	2500 g 5,5 lb.	2500 g 5,5 lb.	2500 g 5,5 lb.	1500-2000 g 3,3-4,4 lb.	1500-2000 g 3,3-4,4 lb.
Trigger travel (take-up)	4 mm .157"	4 mm .157"	4 mm .157"	1,8-2,0 mm .071-.079"	1,8-2,0 mm .071-.079"

* The data on the left of the separation line refers to pistol P 210-6 (Target model with standard barrel)
The data on the right of the separation line refers to pistol P 210-5 (Target model with long barrel)

2. General

The SIG pistol P 210 is a mechanically locked, recoil-operated weapon. After each shot, reloading takes place automatically until the magazine is empty. When the last shot has been fired, the slide remains open.

3. Components

The pistol is composed of the following main parts:

- a) the mobile part
- b) the fixed part
- c) the magazine



SIG pistol P 210-2 Standard model with plastic grip plates and sand-blasted surface



SIG pistol P 210-6 Target model with short barrel

a) The **mobile part** is made up of the following components:

barrel with locking and unlocking cam. The ribs on top of the barrel lock in the corresponding grooves inside the slide. On the target model with long barrel, the front sight and front sight base are installed on the fore end of the barrel.

slide provided with lateral guides. The fore part forms the bushing for the barrel and the recoil spring. The slide holds the front and rear sights which are both adjustable for windage. The target pistols are equipped with a special micrometer rear sight, which can be adjusted laterally as well as vertically. On the target model (P 210-5) with long barrel, the front sight is installed on the fore end of the barrel. The extractor, firing pin and firing pin spring are fitted behind the ejection port. The slide holds furthermore the locking grooves for the barrel.



Dismantled SIG pistol P 210

b) the **fixed part** is made up of the following components:

frame fitted with guides for the slide, with bushings for the slide stop, the magazine and the action. The frame also holds the trigger, the trigger rod, the thumb safety and the magazine safety. The grip plates are fastened to the frame. The target models have a grooved front grip strap, so that the pistol lies better in the hand.

slide stop joins the fixed to the mobile part.

action casing holding the complete action (hammer, sear, hammer spring, double-pull lever, a. s. o.). The ejector is formed by the action casing. In the target model, the action casing is fixed in the frame by a screw.

recoil spring with recoil spring rod and loop. The spring is pre-stressed on the rod. The complete recoil spring can easily be removed.

c) **magazine** for 8 cartridges.

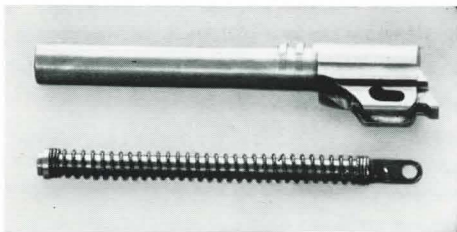
4. Operation

When the pistol is loaded, the ribs on the barrel lock into the corresponding grooves of the slide, thus uniting the barrel and the slide. When a cartridge is fired, the recoil drives the slide rearwards. Until 3 mm ($\frac{1}{8}$ ") recoil way, the barrel does not get out of its firing axis, while the bullet leaves the barrel after a 2 mm ($\frac{1}{12}$ ") recoil. After 3 mm recoil, the barrel swings downwards, driven by the slide stop and the cam. The locking between barrel and slide is suppressed and the barrel is stopped by the frame. The slide continues its rearward motion. The recoil energy of the slide is used to extract and eject the empty case, to cock the hammer and compress the recoil spring. The recoil way of the slide is limited by the frame. After the recoil has been completed, the slide is driven forward by the recoil spring. It pushes a new cartridge into the chamber. At the end of the forward motion, barrel and slide are locked again.

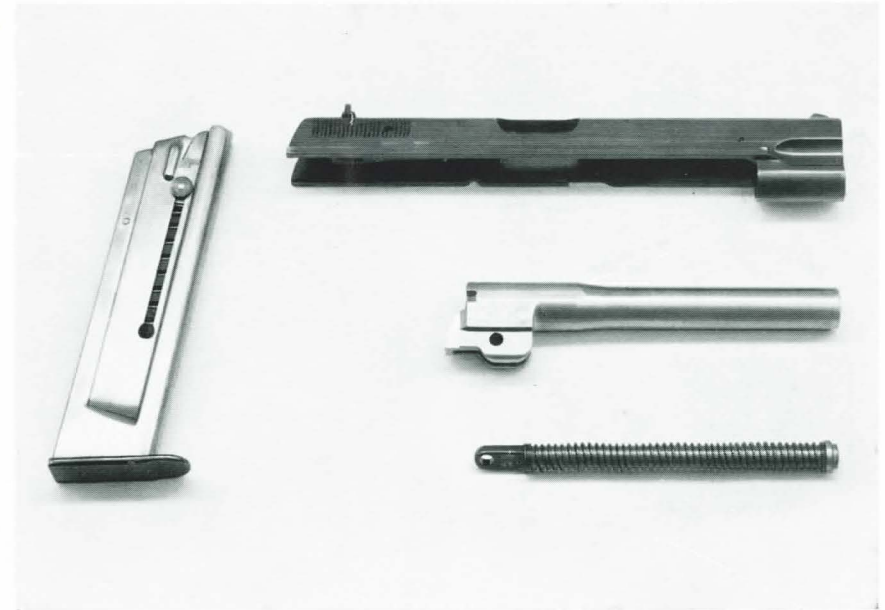
5. Safeties

The following safety devices provide greatest security:

- a) **Thumb safety.** This lever locks the trigger rod and the trigger. The hammer cannot be disengaged.
- b) **Magazine safety.** The magazine safety lowers the trigger rod when the magazine is removed. Trigger rod and sear are separated, the hammer cannot be disengaged.
- c) **Safety when the slide is not fully closed.** If the slide is not fully closed, it lowers the trigger rod, thus preventing it from engaging with the sear. The hammer cannot be disengaged.
- d) **Safety notch.** A second notch retains the hammer if it is let loose by inadvertance before it engages with the sear by its principal notch.



Parts having to be changed to fire either 9 or 7.65 mm Parabellum cartridges



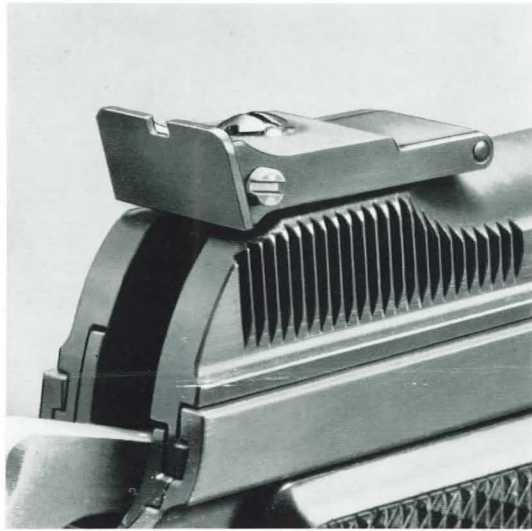
Conversion unit .22 long rifle

6. Changing the calibre

The pistol can be equipped with a barrel for either 9 mm or 7,65 mm calibre. Only the barrel and recoil spring have to be changed to fire one or the other calibre. The magazine remains the same in both cases.

The weapon can furthermore be used with a conversion unit .22 long rifle consisting of a lighter slide, a barrel .22 with corresponding recoil spring and a magazine. With the help of this conversion unit, the .22 long rifle ammunition can be fired automatically with excellent accuracy. The function of the pistol remains the same as with the normal ammunition, the barrel however is unlocked, because of the reduced recoil. This conversion unit is most interesting for shooting training since the .22 ammunition is less expensive than the regular pistol ammunition.

These conversion units can only be supplied with standard 120 mm ($4\frac{3}{4}$ ") barrel and with ordinary rear sight.



Micrometer rear sight

7. Sighting devices of the Target models

a) Micrometer rear-sight

click-adjustable for windage and elevation

Width of the square rear-sight notch	3 mm ($\frac{1}{8}''$)
Depth of the sighting notch	1,5 mm ($\frac{1}{17}''$)

Possibilities of **adjustment in pistols with standard ($4\frac{3}{4}''$) barrel**, at 50 m

total vertical (elevation) adjustment	720 mm ($2' 4\frac{1}{4}''$)
elevation adjustment per click	48 mm ($1\frac{7}{8}''$)
total lateral (windage) adjustment	492 mm ($1' 7\frac{3}{8}''$)
windage adjustment per click	16,4 mm ($\frac{2}{3}''$)

Possibilities of **adjustment in pistols with long (6'') barrel**, at 50 m

total vertical (elevation) adjustment	637,5 mm ($2' 1\frac{1}{8}''$)
elevation adjustment per click	42,5 mm ($1\frac{2}{3}''$)
total lateral (windage) adjustment	435 mm ($1' 5\frac{1}{8}''$)
windage adjustment per click	14,5 mm ($\frac{5}{8}''$)

b) Special front sight

laterally adjustable, vertically interchangeable

Width of sight	3 mm ($\frac{1}{8}''$)
Height of sight	7 mm ($\frac{1}{4}''$)

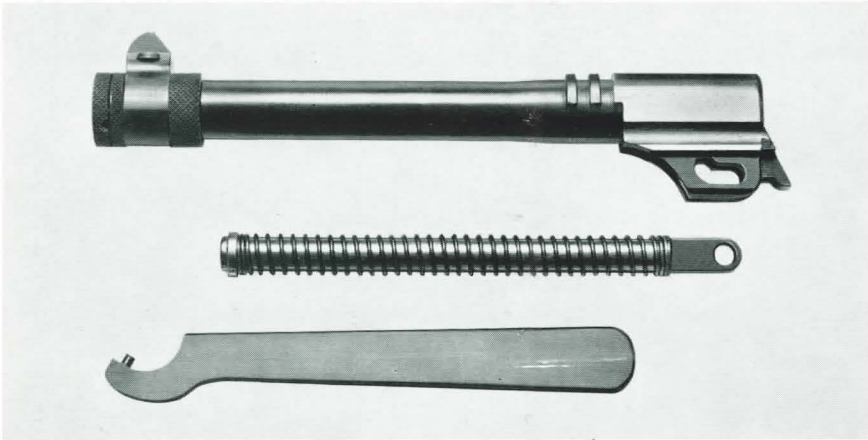


SIG pistol P 210-2 (cut-away model)

8. Particularities

The particularities of the pistol can be summarized as follows:

- Accuracy.** The cam prevents any motion of the barrel out of the firing axis as long as the bullet has not left the barrel.
The weapon is fitted with a fine double pull trigger which can easily be adjusted. The center of gravity is located very favorably around the trigger. Therefore the pistol "climbs" less and aiming is facilitated, especially when firing rapidly. These particularities assure a fine accuracy.
- Function.** The mobile parts inside the receiver and the slide are protected against dust and dirt by the closed construction.
The massive slide acts as working mass.
Owing to these two characteristics, the pistol is very reliable.
- Safety.** The pistol can be dismantled, assembled, loaded and unloaded with the safety lever on "S" (safe).



Long barrel target model with recoil spring and lock for front-sight support

9. Accessories

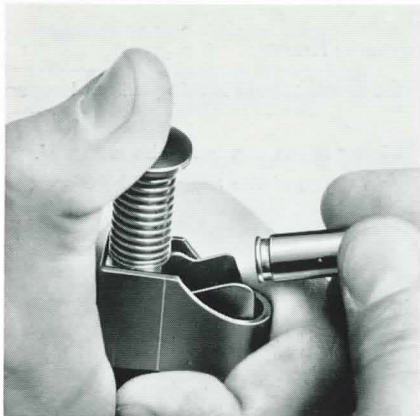
Front sight pusher

(various models for standard model, target model with long barrel and for conversion unit)

Magazine loader

Lock for front sight support (for target model with long barrel)

Cleaning set



Magazine loader



Cleaning set (dismountable)



1



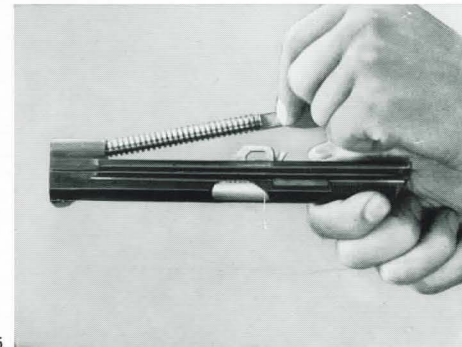
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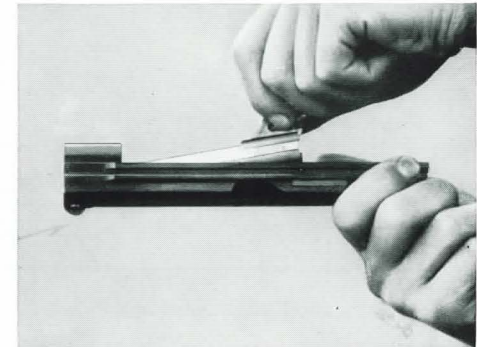
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4



5



6

10. Stripping of the SIG pistol P 210

- | | |
|----------------------------|---------------------|
| 1 Extract the magazine | 2 Remove slide stop |
| 3 Remove mobile part | 4 Remove the action |
| 5 Remove the recoil spring | 6 Remove the barrel |