

HAMMERLI



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HAMMERLI

GUIDE TO PRECISION



1863-2003

HÄMMERLI



Master locksmith Johann Ulrich Hämmerli established his family company in Lenzburg, Switzerland in 1863 when he was ordered to manufacture barrels for the Swiss army.

Competition shooting has been a powerful tradition in Switzerland ever since the Middle Ages. Target practice, in particular, seems to run in the blood of the Swiss. As the technology of competition weaponry advanced over the years, the sport also gained great cultural significance. By the end of the 19th century, one Swiss name was omnipresent to international competition shooting: Hämmerli.



Johann Ulrich Hämmerli
1824-1891

Motivated by its successful work for the Swiss Army, Hämmerli, a family-owned company, used its expertise and technical know-how to contribute to the worldwide fame of Swiss marksmen. In 1897, it was the Swiss using Hämmerli products who won the very first World Championships in competition shooting. Hämmerli also specially designed and equipped the Swiss team with the Martini 300m Matchstutzer for the Match World Championship in 1925. This enabled the Swiss to take the title away from the Americans for several years. When the U.S. team eventually entered with Hämmerli Stutzers, it was the beginning of a neck-and-neck battle, first won by the Swiss in 1929 and then by the Americans in 1930. From that point on, Hämmerli became a formidable presence on the international competition shooting stage.

In transit to
U.S. Government

For Hämmerli, inspiration for enhancement does not start in the workshop but on the shooting range and in competition. Experiencing the moment and watching competitors in action is both motivating and enlightening, and fires the desire for innovation and performance.



Dieter Wyss
CEO Hämmerli AG

The implementation of new ideas is always a direct result of practical requirements, not technical or economic restrictions. Through meticulous research and development, the company is continually raising the bar and redefining

limits. The goal is to deliver optimum performance efficiency through advanced technology and superior quality craftsmanship. Ultimately the company measures its success by the triumph of marksmen, whether in official competition or at leisure.

In the future this philosophy will continue to enhance Hämmerli's international presence, vitalize relations with trading partners, and ensure brand loyalty among competition marksmen worldwide.

1863-2003





Hämmerli Match Air Pistol AP 40

Inner balance and external com-
posure are inseparable. Once a
shooter manages to achieve both,
the pistol synchronizes perfor-
mance. Only when these three
key elements climax and become
one will true accuracy of fire be
achieved.

The AP 40 is a fully developed
sporting device in every detail.
It is also one of the lightest match
air pistols available. Handling is
both instinctive and enjoyable.
Weight allocation and a compre-
hensive balance are mastered by
using small additional weights.



FULL BALANCE

AP40

Caliber	4,5 mm/.177
Overall length	410 mm, Junior 380 mm
Overall width	50 mm
Overall height	145 mm, Junior 130 mm
Pressure reservoir	operating pressure max. 200 bar
Propellant	compressed air
Weight	930 g, Junior 880 g
Sight length	340-360 mm, Junior 320-340 mm
Barrel length	250 mm
Bullet velocity	approx. 148 m/s
Round capacity per filling (200 bar)	approx. 180 shots Junior approx. 160 shots
Sight adjustment	per click 2 mm at 10 m
Sight	integral front sight 3,2/3,6/4,0 mm



AP 40 Junior:
The starter's model. Shorter, lighter and
more compact with a universal handle that
suits both a right-hand and left-hand grip.

- individual adjustment possible
- wide range of accessories
- integral front sight with three different sight widths
- innovative new rear sight, height and width manually adjustable
- adjustable width and depth of the micrometer notch of the rear sight
- ambidextrous operation
- grip and trigger tongue adjustable to three axes
- setting of the dry firing mechanism for training without tools
- all excess air is directed towards the opening and removed in a stabilising manner by two discharge channels
- delivery in a case with replacement tank

Option:

- steel barrel with relief drilling

The ability to control one's breathing, coordination, rifle handling and aim, ultimately perfecting the interplay between fine motor activity and technology, requires intense training.

Highly sensitive control was paramount to the development of the AR 50. The result is seamless adaptability and ease of handling and shooting.



AR 50 Alu Pro
415 mm short barrel and aluminum front sight carrier. The shortness of the barrel compensates for small mistakes in posture when firing. The front sight carrier serves as a barrel extension, allowing for infinite sight adjustment.

AR50 ALU PRO

Caliber	4,5 mm/.177
Overall length	1128 mm
Overall width	approx. 60 mm
Overall height	approx. 200 mm without peep sight
Pressure reservoir	operating pressure max. 200 bar
Propellant	compressed air
Weight	approx. 4,8 kg
Sight length	approx. 780-950 mm
Barrel length	415 mm
Bullet velocity	approx. 170 m/s
Round capacity per filling, 200 bar, approx.	250 shots
Peep sight adjustment	per click 0,5 mm at 10 m



More details on the next page:
AR 50 and AR 50 Junior

PERFECT CONTROL



- Hämmerli precision peep sight
- continuously adjustable sight length
- ambidextrous operation
- tank with pressure gauge
- sight rail also suitable for scopes
- possibility to convert to left-handed grip
- various grip sizes available
- MEC contact butt plate
- wide range of accessories

Use additional weights to adjust the weight allocation of the AR 50 aluminum stock. Additional weight carriers stabilize the rifle-to-body contact.

Due to the absolutely vibration-free firing release and the special reduction valve the AR 50 is shot calmly. You will hardly notice a firing shock.

The fully adjustable hand rest and cheek rest are two Hämmerli trademarks.



AR 50 Junior
The starter's model is attractively priced. Sight length and grip are fully adjustable. No additional weight carriers. Starter's peep sight available. Upgrading to full-size model possible.

AR50/JUNIOR

Caliber	4,5 mm/.177
Overall length	1090 mm
Overall width	approx. 60 mm
Overall height	approx. 200 mm without peep sight
Pressure reservoir	operating pressure max. 200 bar
Propellant	compressed air
Weight	approx. 4,8 kg, Junior app. 4,1 kg
Sight length	approx. 660-780 mm,
Barrel length	495 mm
Bullet velocity	approx. 170 m/s
Round capacity per filling, 200 bar,	approx. 250 shots
Peep sight adjustment	per click 0,5 mm at 10 m





The sequence of thoughts and motions during shooting cannot be completely planned. Part of the process will always remain intuitive. Marksmen who trust their inner rhythm will dominate whenever the challenge involves both precision and speed.

Competition shooting requires more than top performance by marksmen. It also calls for faultless function and ergonomics of the gun. The SP 20 excels with a fluent operation, calm shooting and an extremely fast rate of fire.

RHYTHM & TIMING



The innovative low line sight allows coordination with lightning speed.



SP20 RRS

SP 20 RRS caliber .22 l.r. (22) and .32 S&W long WC (32)

Overall length max.	300 mm
Overall height max.	150 mm
Overall width max.	50 mm
Barrel length	123,4 mm
Number of grooves	6
Line of sight	220 mm
Magazine capacity	Cal. 22: 6 – Cal. 32: 5
Weight without additional weights	Cal. 22: 1160 g Cal. 32: 1250 g
Trigger pull weight	1000 to 1360 g



Basic setting take-up	550/680 g
Basic setting double-pull trigger	450/680 g
Sight adjustment	per click approx. 5 mm at 25 m 10 mm at 50 m
Sight	integral front sight 3,2/3,6/4,0 mm

- counterweight with new recoil reduction system (RRS)
- new rear sight, height and width manually adjustable
- adjustable width and depth of rear sight notch
- integral front sight with three different sight widths
- receiver with adjustable buffer system
- conversion kit cal. .22 l.r. or .32 S&W WC
- possibility to exchange the trigger system of the SP20
- wide range of accessories
- delivery in a case with second magazine and cleaning kit

Hämmerli Free Pistol FP 10

Inner strength is developed in the same way as muscle power. Continuous training, routine use and improving skills build the determination and persistence required for self-confidence and success.

STRONG SPIRIT

FP 10

Caliber	.22 l.r.
Overall length max.	500 mm
Overall height max.	150 mm
Overall width max.	130 mm
Barrel length	290 mm
Line of sight	380/410/440 mm
Weight	1080 g
Trigger pull weight	15-100 g direct pull
Trigger pull weight	100-500 g double pull
Sight adjustment	per click approx. 10 mm at 50 m block sight



- ambidextrous operation
- knee joint for comfortable opening of the falling breech block
- new rear sight, height and width manually adjustable
- adjustable width and depth of rear sight notch
- compensator to reduce the barrel vibration that occurs during shooting
- grip adjustable to three axes
- stabilizers with adjustable weights for individual adaptability
- one- or two-step trigger with dry firing mechanism for training
- delivery in a case with cleaning kit

Every shot is a mental feat. The innovative details and adjustment potential of the FP 10 allow marksmen to refine performance.



The blend of fitness and intellect is an exciting challenge that has made shooting a fascination for generations. This spirit continues to inspire and unite, and is as important to success as committed training and formal competitions.



“Sport Fun” was the motto behind the development of the full-steel x-esse pistol. Noted for its dynamic design, attractive pricing and compact size, the x-esse is also a pro when it comes to precision.



x-esse Sport

- Tuned to competition performance. Adjustable trigger weight.
- Hi-Grip with anatomical shape and adjustable hand rest
 - integral front sight with three different sight widths
 - various counterweights available
 - trigger pull weight adjustable from 1000 g to 1360 g
 - adjustable sport rear sight
 - positive double-pull trigger
 - 11 mm rail for scope mounts
 - 10-round magazine
 - delivery in a synthetic case with cleaning kit and second magazine

X-ESSE



x-esse short, long, Sport

Caliber	.22 l.r.
Overall length	short 200, long 235 mm, Sport 245 mm
Overall height	125 mm, Sport 145 mm
Overall width	46 mm, Sport max. 50 mm
Barrel length	short 115 mm, long & Sport 150 mm
Weight	short 790 g, long 860 g, Sport 1040 g
Magazine capacity	10 cartridges
Sight	adjustable
Grip	Hi-Grip, Sport: Hi-Grip adjustable

HÄMMERLI
FREE SPORTS



x-esse (short/long)

The leisure pistol with a superior price/performance ratio.

- adjustable rear sight
- positive double-pull trigger
- universal Hi-Grip for left and right hand
- 11 mm rail for scope mounts
- 10-round magazine
- disassembly possible without use of tools
- delivery in a synthetic case with cleaning kit and second magazine





HÄMMERLI

Precision at 300 meters calls for peak performance and professionalism. Every impulse, every fraction of a second, every technical detail will affect the trajectory after firing.

Two top manufacturers collaborate to maximize quality and technological brilliance: Hämmerli supplies the progressive aluminum stock, while Sauer provides the solid precision barrel and successful 205 System.

PRO PRECISION



- high-quality equipped aluminum stock adapts to meet individual needs
- optimal balance
- Hämmerli precision peep sight
- Sauer precision barrel and bolt action
- 5- or 10-round magazine
- adjustable trigger pull and trigger tongue
- delivery with various accessories

S 205

Caliber	.308/7,5x55/6mm BR*
Overall length	approx. 1160 mm
Overall height	ca. 255 mm with peep sight
Overall width	approx. 55 mm
Barrel length	660 mm
Weight	approx. 5400 g
Basic trigger pull setting	min. 1500 g
Magazine capacity	5 cartridges
Sight	Hämmerli peep sight
Sight length	865 mm
Grip	adjustable Hi-Grip

* only as a single-load version.





HÄMMERLI AR50 BENCH REST SHOOTING
Same features as the ALU PRO with special support wedge, peep sight, back shifting of the cheek piece and special weight.



HÄMMERLI AIR RIFLE AR 50
with universal beech wood stock for ambidextrous use.



HÄMMERLI PRECISION PEEP SIGHTS
for air rifles, small-bore rifles and 300 m rifles. Suitable for various products.



REAR SIGHT ELEVATION FOR HÄMMERLI AIR RIFLE AR 50



HÄMMERLI AIR PISTOL AP 40 JUNIOR
with anatomical Hi-Grip. Available in various sizes for right- or left-handed marksmen.



HÄMMERLI AIR PISTOL AP 40 JUNIOR
with universal Hi-Grip for ambidextrous use.



ANATOMICAL TRIGGER TONGUE
right or left for Hämmerli air pistol AP 40.



COUNTERWEIGHT COMPLETE
for Hämmerli air pistol AP 40.



TRIGGER TONGUE STRAIGHT
for Hämmerli target pistol SP20 RRS.



ANATOMICAL TRIGGER TONGUE
right or left for Hämmerli target pistol SP20 RRS.



ADDITIONAL COUNTERWEIGHT
20g for Hämmerli target pistol SP20 RRS.



COUNTERWEIGHT
50g for Hämmerli target pistol SP20 RRS.



CONVERSION UNIT COMPLETE
in calibers .22 l.r. and .32 S&W WC
for Hämmerli target pistol SP20 RRS.



COUNTERWEIGHT STEEL
180g/100g/50g for Hämmerli target pistol x-esse.

ASK YOUR QUALIFIED DEALER ABOUT THE COMPLETE ACCESSORY PROGRAM OF HÄMMERLI

THE SWISS GUARANTEE FOR PRECISION
Companies using the Swiss precision signet, show a strong commitment to quality, a long history of expertise and lasting devotion to Swiss weapon manufacturing, leading the way to the future.



HÄMMERLI



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*All information subject to change
without notice.*

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