



Instructions for Use



Semi-automatic
Sporting Rifles
HK-SL6
HK-SL7

Design and function of the HK-SL6/HK-SL7 sporting rifles, featuring the classical form of carbine rifles, largely correspond to the modern semi-automatic hunting rifles. The HK-SL6/HL-SL7 are semi-automatic rifles for firing

single shots and are provided with the well-proven delayed roller-locked bolt system. You will quickly become familiar with your new rifle if you handle it in accordance with these instructions.



Special features and advantages:

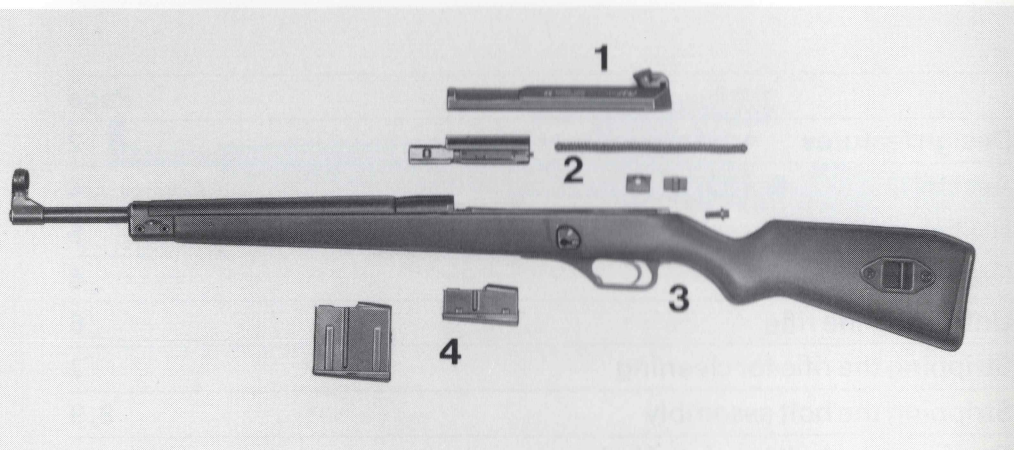
- Superb firing accuracy
- Compact and robust design
- Delayed roller-locked bolt system
- Polygon barrel and chamber hammer-forged in one operation
- Rotary rear sight with "V" notch for 100 m and apertures for 200 – 300 – 400 m
- Rear sight adjustable for windage and elevation
- Especially long sighting line
- Walnut stock with steel butt plate
- Front part of the stock designed as handguard
- Recesses for fixing the proven HK telescopic sight clamp mount 05
- Safety lever on the left side of the stock
- 5 Years guarantee

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Assemblies

- 1 Upper receiver
- 2 Bolt head, recoil spring, buffer and buffer plate
- 3 Receiver with barrel stock and trigger mechanism
- 4 Magazine



Note

Before using the weapon read through these instructions thoroughly, and carefully note all information concerning handling and operation.

The basic principles of handling and operation must be followed exactly.

The weapon must **always** be handled as if it is loaded and ready to fire.

When handling or practising with weapons **never** under any circumstances point them at persons and keep the weapon pointed in a safe direction.

Do not use any force when handling, stripping or cleaning the weapon.

Basic handling safety is ensured by perfected design and precision manufacture of all individual parts. However, not that safety and operation can also be adversely affected by exceptional stresses, such as hard knocks, dropping or

shock loads. If the weapon is subjected to any of these effects it must be inspected by the manufacturer.

Store your weapon safely. Keep weapon and ammunition away from children and unauthorized persons. Lock unloaded weapons and ammunition securely in separate locations.

Unload your weapon whenever you are not shooting. Never carry or store a loaded weapon before crossing or climbing up or down any obstacle that may prevent you from keeping full control over the weapon, such as a fallen tree, fence, tree stand, or slippery area.

Heckler & Koch accepts no liability for incidents arising out of incorrect handling, inept treatment, unauthorized exchange of parts and other forms of interference with the weapon, or due to firing incorrectly made up ammunition.

Loading the rifle

Press magazine catch, and the magazine will slide out. Insert filled magazine into the rifle until the magazine catch engages.



Then retract the bolt all the way by means of the cocking lever on the right side of the rifle – see left illustration below. The catch lever located behind the cocking lever will engage and hold the bolt open. Depressing the catch lever slightly – see right illustration below – will cause the bolt to snap forward, chamber a round from the magazine, and lock into the receiver. The rifle is now cocked and ready to fire. The cocking lever does not move when the rifle is fired.

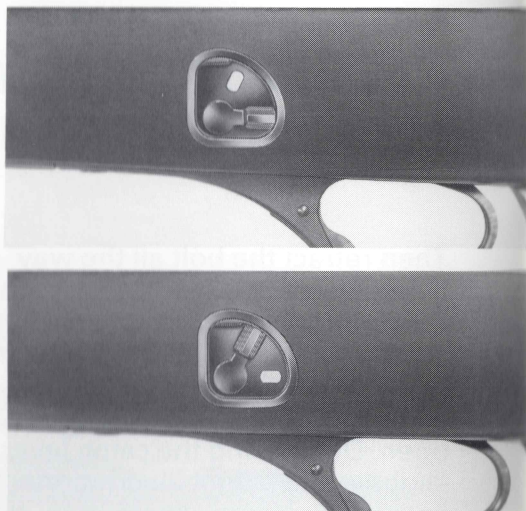


The cocking lever should not be held back and prevented from moving forward when the bolt closes.



Operating the safety

Optimum security is provided by the striker safety. The safety can only be engaged when the rifle is cocked or loaded. To put the rifle on safe, the safety lever must **fully** cover the **red** dot. The safety is off when the safety lever **fully** covers the **white** dot.



Unloading the rifle



Remove the magazine by pressing the magazine catch. Retract cocking lever quickly, tilting the rifle somewhat to the side to permit a round that might be left in the chamber to slide out of the ejection port into your hand. Close the rifle and pull the trigger. The rifle is now unloaded and uncocked.

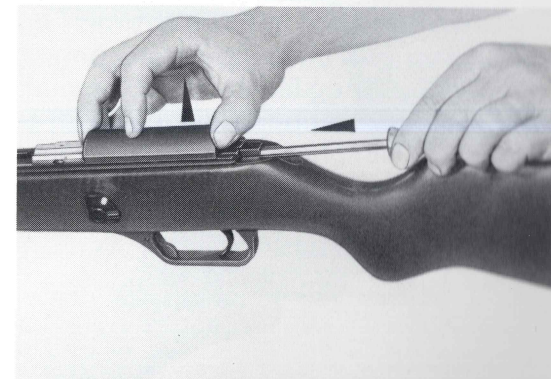
Attention!
Whenever having removed the magazine, make sure that there is no round in the chamber.

Stripping the rifle for cleaning

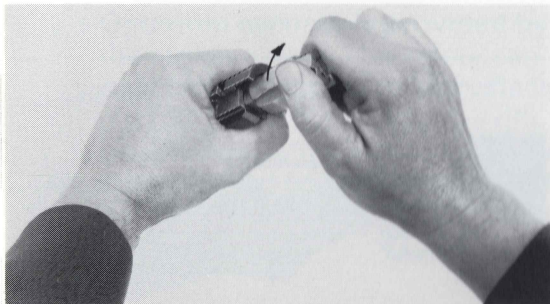
Under normal conditions, it is only necessary to clean the external components of the rifle and to clean the bore. In the event of heavy fouling or to remove moisture or water in the rifle, it is advisable to strip the rifle for thorough cleaning. Unscrew the hexagon socket screw at the end of the upper receiver. Slightly lift the upper receiver, pull it somewhat to the rear and lift it off. Remove buffer, buffer sheet (HK-SL 6 has no buffer sheet) and recoil spring. Retract cocking lever.



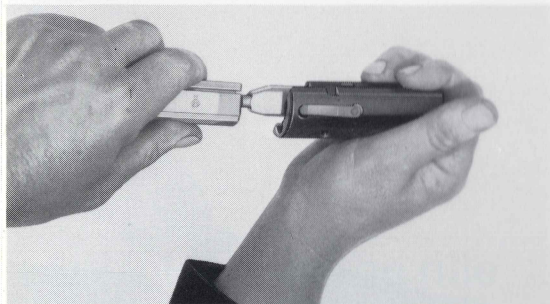
You can now remove the bolt assembly by passing a screwdriver through the hole for the screw and forcing the firing pin forward. It is not necessary to further strip the rifle for cleaning (except for the bolt assembly).



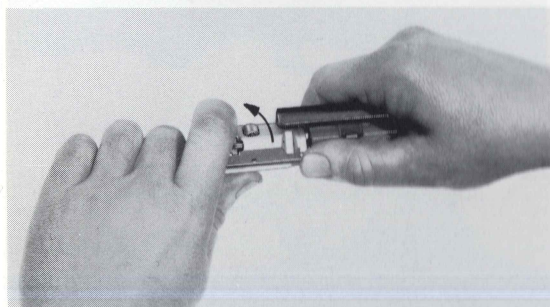
Stripping the bolt assembly



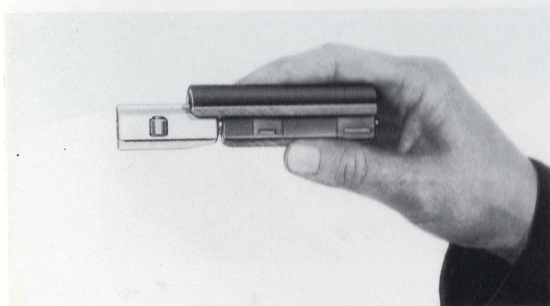
Rotate the bolt head clockwise one quarter turn, and then remove it from the locking piece. Finally, remove locking piece, firing pin and firing pin spring from the bolt head carrier by rotating the locking piece further.



To assemble the bolt, proceed in the reverse sequence. First slide the firing pin spring onto the firing pin and insert both into the bolt assembly. Then press the locking piece against the firing pin spring and rotate counterclockwise one quarter turn. Assemble bolt head and locking piece as follows:

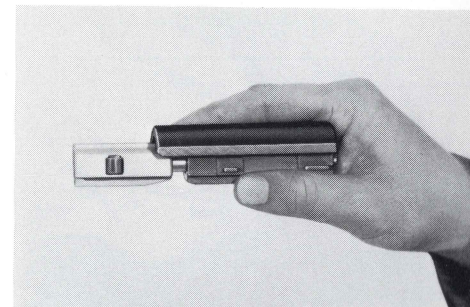


Place the bevelled surface of the bolt head beneath the spring-loaded bolt head locking lever. Strike the end of the bolt head lightly with the palm of your hand to force the bolt head far enough under the bolt head locking lever to provide a clearance of 3 mm (.12 in) between the bolt head and the bolt head carrier.



Then rotate the bolt head counterclockwise about one half turn, until the locking rollers and the camways in the bolt head carrier are located at the same level. Then pull the bolt head away from the bolt head carrier as far as it will go, so that the rollers recess completely into the bolt head.

Stripping the bolt assembly

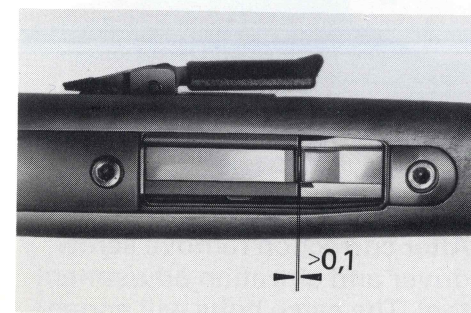


Attention! When re-assembling the semi-automatic sporting rifle, do not forget to insert the locking rollers into the bolt head as otherwise the shooter's safety could not be guaranteed and the bolt system of the rifle would be completely damaged.

Gap between bolt head and bolt head carrier

With the bolt in its closed position – the magazin being detached – the bottom side of the bolt is visible through the magazine well. There must be a very narrow gap between the bolt head and

the bolt head carrier. You can determine this, if you can put a sheet of paper between bolt and bolt head (see illustration, gap $>0,1$ mm). If this gap has disappeared, please have the weapon checked by your local gun dealer as this technical condition would cause excessively strong recoil forces and thus damage the bolt system.



Re-assembling the rifle

Insert the bolt assembly into the receiver; when doing this, press in the firing pin and the rollers, and slide all the way to the front. Then insert the buffer, buffer sheet and recoil spring into the receiver. Rotate the hexagon socket screw one full turn into the receiver. Next, slide the upper receiver onto the receiver body from the rear until the collar of the screw is seated against the recess in the upper receiver. Tighten screw firmly.

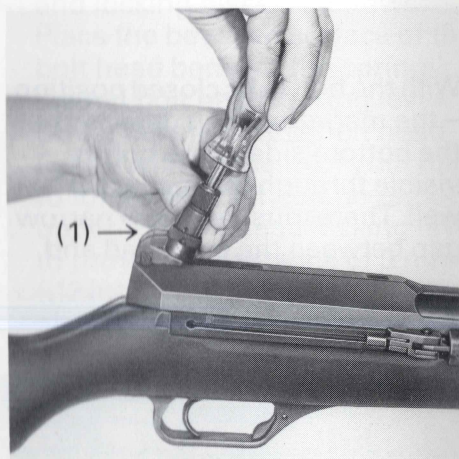


Sights

Rotary rear sight providing high firing accuracy. Adjustable for windage and elevation.

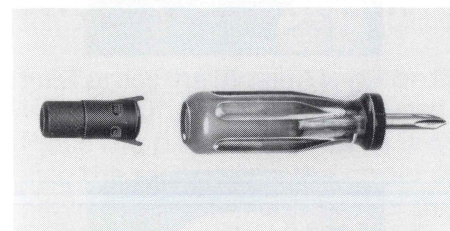
Elevation adjustment:

Insert elevation adjustment tool (1) into sight cylinder in such a way that the wedges of the tool engage in the two slots containing the catch bolts. Press Phillips screw driver into elevation adjustment tool and hold it there. Rotate sight cylinder in desired direction by hand; (turning clockwise lowers, turning counter-clockwise raises the point of impact).



After correction remove screw driver and elevation adjustment tool. The catch bolts will engage again in the slots.

Sights



Windage adjustment:

Loosen the clamping screw. Turn the windage adjustment screw to the left or right as may be required. (Turning clockwise will move the point of impact to the left, turning counter-clockwise will move it to the right). After adjustment re-tighten the clamping screw again.

HK sight adjustment tools

Aiming illustrations

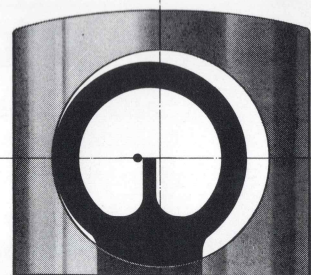
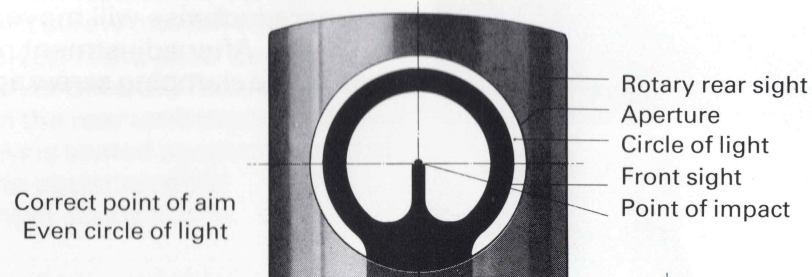
Aiming

Before aiming, the rear sight must be set for the desired range and the point of aim (target) must be chosen.

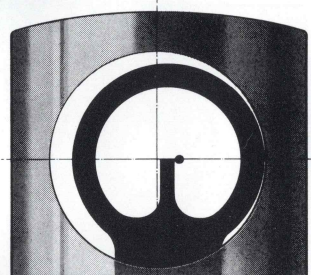
The rifle is aimed at the target by means of the aperture in the rear sight cylinder and the front sight.

The target must appear on top of the centre of the front sight post's upper edge.

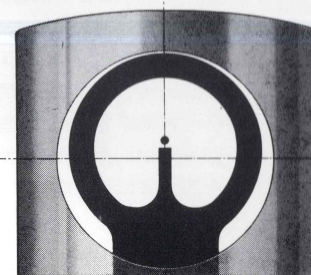
At the same time an even circle of light must be visible between the inner circle of the aperture and the outer ring of the front sight holder.



Impact as with incorrectly centered front sight = left



Impact as with incorrectly centered front sight = right

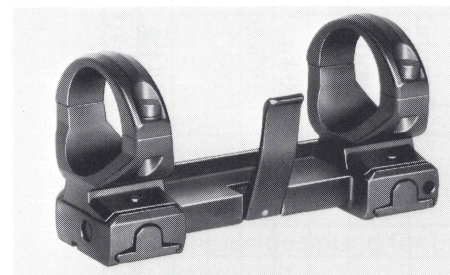
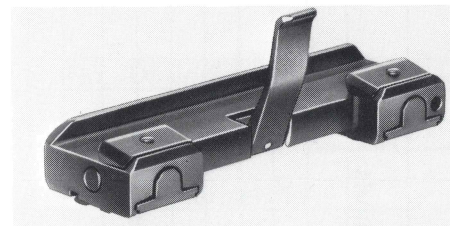


Impact as with full sight = high



Impact as with fine sight = low

Telescopic sight clamp mount



The HK 05 clamp mount readily accepts all standard telescopic sights that are vertically and horizontally adjustable. Should you wish to use a rail-type telescopic sight, loosen the two hexagon socket screws on the bottom of the 05 clamp mount, slide on the telescopic sight and tighten the two hexagon socket screws firmly at the rails. If you are using a telescopic sight without rail, please also use the retaining rings.

Mounting the telescopic sight with clamp mount

First press the tension lever on the HK 05 clamp mount downward. Place the pairs of clamping jaws into the recesses in the upper receiver of the rifle and swivel the tension lever upward. The telescopic sight is now securely and firmly mounted on the rifle. The HK 05 clamp mount is very easy to use.



Technical specifications: HK-SL6**HK-SL7**

Calibre	.223 Remington	.308 Winchester
Muzzle velocity and energy	vary according to the ammunition used.	
Principle of operation	Recoil loader	Recoil loader
Action	Roller-locked	Roller-locked
Mode of fire	Single fire	Single fire
Trigger pull	12 N – 16 N	12 N – 16 N
Internal profile of the barrel	Quadruple polygonal	Quadruple polygonal
Sights, mechanical	Rotary rear sight with 4 settings, "V" notch (coarse setting) – 100 m, apertures 200–300–400 m, adjustable for windage and elevation	Rotary rear sight with 4 settings, "V" notch (coarse setting) – 100 m, apertures 200–300–400 m, adjustable for windage and elevation
Sights, optical	by means of HK clamp mount 05 and telescopic sight 1.5 - 6fold, 6 settings 100–600 m. For point blank shots 6 settings 75 – 10 m	by means of HK clamp mount 06 and telescopic sight 1.5 - 6fold, 6 settings 100–600 m. For point blank shots 6 settings 75 – 10 m
Magazine capacity, domestic market	2 rounds	2 rounds
Magazine capacity, export market	4 and 10 rounds	3 and 10 rounds
Weights:		
Rifle without magazine	3.8 kg	3.8 kg
2-round magazine	0.07 kg	0.085 kg
3-round magazine	–	0.085 kg
4-round magazine	0.07 kg	–
10-round magazine	0.1 kg	0.14 kg
HK clamp mount 05	0.145 kg	0.145 kg
Dimensions:		
Overall length	1015 mm	1010 mm
Barrel length	450 mm	430 mm
Sighting line	650 mm	660 mm

Parts list for semi-automatic sporting rifles HK-SL6/HK-SL7

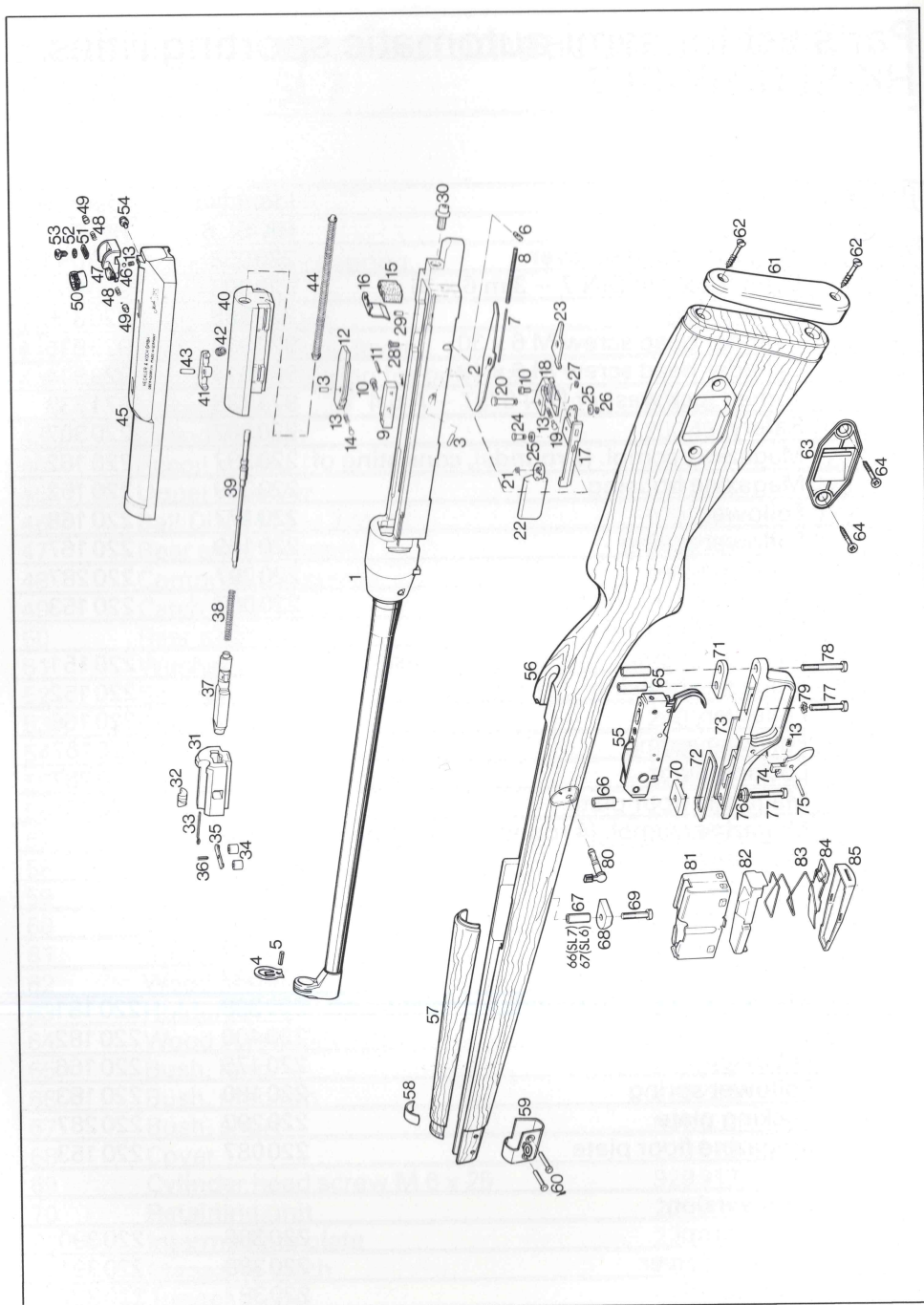
Part-No.	Designation	Ident No. HK-SL 6	Ident No. HK-SL 7
1	Receiver with barrel	220353	220349
2	Ejector	220001	220395
3	Cylindrical pin	220226	220226
4	Front sight	200415	200415
5	Clamping sleeve DIN 1481 – 4 x 12	922609	922609
6	Spring holder	none	220370
7	Spring guide	none	220371
8	Ejector spring	none	220378
9	Ramp	220298	220298
10	Cylinder head screw	220142	220142
11	Clamping sleeve DIN 7343 – 3 x 8	928075	928075
12	Support lever	220238	220238
13	Compression spring for ball catch	200383	200383
14	Pressure bolt	220237	220237
15	Buffer plate	220418	220419
16	Buffer sheet	none	220294
17	Cocking slide	220158	220158
18	Cocking lever support	220143	220143
19	Stop pin	220145	220145
20	Cocking lever axle	220148	220148
21	Elbow spring	220147	220147
22	Cocking lever, compl.	220232	220232
23	Catch lever	204260	204260
24	Axle for slide roller	220141	220141
25	Slide roller	220133	220133
26	Retaining washer DIN 6799 – 1.9	929181	929181
27	Retaining washer DIN 6799 – 2.3	922728	922728
28	Raised countersunk head screw	220220	220220
29	Clamping sleeve DIN 1481 – 4 x 8	929902	929902
30	Spindle	220019	220019
31	Bolt head	220072	220127
32	Extractor	200311	200444
33	Extractor spring	200445	200445
34	Locking rollers	200446	200446
35	Holder for locking rollers	200449	200449
36	Clamping sleeve	200450	200450
37	Locking piece	220280	220261

Parts list for semi-automatic sporting rifles HK-SL6/HK-SL7

Part No.	Designation	Ident No. HK-SL 6	Ident No. HK-SL 7
38	Firing pin return spring	220064	220064
39	Firing pin	220063	220121
40	Bolt head carrier	220119	220124
41	Bolt head locking lever	200315	200315
42	Compression spring for bolt head locking lever	200453	200453
43	Cylindrical pin	200454	200454
44	Recoil spring	220074	220129
45	Upper receiver	220356	220328
46	Ball DIN 5401 – 3 mm	929897	929897
47	Rear sight support	200375	200375
48	Compression spring	200382	200382
49	Catch bolt	200381	200381
50	Rear sight cylinder	224959	224959
51	Washer	200371	200371
52	Serrated lock washer DIN 6798 A 5.3	922617	922617
53	Clamping screw	200372	200372
54	Windage adjustment screw	200384	200384
55	Trigger housing, compl.	220314	220314
56	Stock	220361	220352
57	Handguard	220357	220357
58	Spacer clip	220329	220329
59	Band	220355	220355
60	Retaining bolt	200459	200459
61	Butt cap	220334	220334
62	Wood screw DIN 95 – 5 x 25 St.	928760	928760
63	Holder for carrying sling	200811	200811
64	Wood screw DIN 7995 – 6 x 35 St.	928761	928761
65	Bush, long	220289	220289
66	Bush, medium	220288	220288
67	Bush, short	none	220290
68	Cover	220013	220013
69	Cylinder head screw M 6 x 25	929917	929917
70	Retaining unit	220014	220014
71	Intermediate plate	220012	220012
72	Magazine catch	220015	220015
73	Trigger guard	220057	220057

Parts list for semi-automatic sporting rifles HK-SL6/HK-SL7

Part No.	Designation	Ident No. HK-SL 6	Ident No. HK-SL 7
74	Magazine release lever	220058	220058
75	Cylindrical pin DIN 7 – 3 mm 6 x 16	929903	929903
76	Spacer ring	220306	220306
77	Cylinder head screw M 6 x 30	929915	929915
78	Cylinder head screw M 6 x 40	929914	929914
79	Toothed lock washer DIN 6797 – A 6.4	971738	971738
80	Safety	220307	220307
	Magazine, compl. (2 rounds), consisting of:	220397	220162
81	Magazine housing	220399	220152
82	Follower	220177	220168
83	Follower spring	220169	220167
84	Locking plate	220297	220287
85	Magazine floor plate	220087	220153
	Without illustration:		
	Magazine compl. (3 rounds), consisting of:		220151
	Magazine housing		220152
	Follower		220166
	Follower spring		220167
	Locking plate		220287
	Magazine floor plate		220153
	Magazine, compl. (4 rounds) consisting of:	220396	
	Magazine housing	220399	
	Follower	220175	
	Follower spring	220169	
	Locking plate	220297	
	Magazine floor plate	220087	
	Magaz., compl. (10 rounds) consisting of:	220398	220181
	Magazine housing	220400	220182
	Follower	220175	220166
	Follower spring	220180	220183
	Locking plate	220297	220287
	Magazine floor plate	220087	220153
	USA version:		
	Rifle, compl.	220386	220390
	Upper receiver	220388	220391
	Handguard	220387	220387

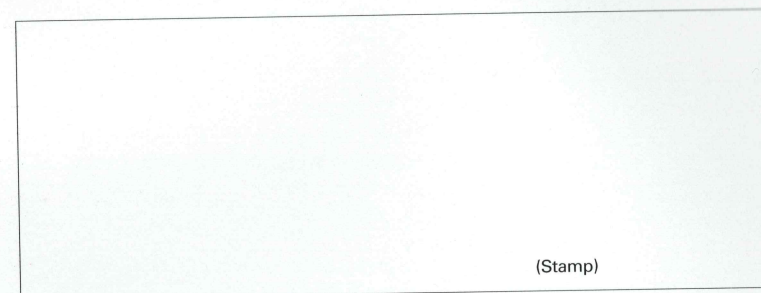


Guarantee

Model No. _____

Arm No _____

sold by _____



(Date of purchase)

Signature of the firm)

has passed the quality control in our firm.
We shall, as far as legally admitted and to the exclusion of any further claims, make amends or carry out repair of damages on the arm which are due to a material or manufacturing defect and which have occurred within 12 months after the date of purchase. Such damages have to be reported immediately. Damages or defects caused by careless use or handling of the arm as well as normal wear are not included in our obligations. Should there be any reason for a complaint, please contact your firearms dealer.



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The HK Pistol and Rifle Program consist of:

Semi automatic
sporting rifles

HK 270, cal. .22 LR
HK-SL 6, cal. .223 Rem.
HK-SL 7, cal. .308 Win.

Semi-automatic
hunting rifles

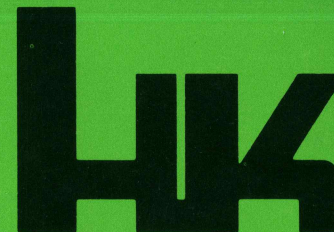
HK 770, cal. .308 Win.
HK 940, cal. .30-06, 7 x 64

Self-loading pistols

P7 K3; cal. .22 LR, 7.65 mm, 9 mm k
P7 M8; cal. 9 mm x 19
P7 M13; cal. 9 mm x 19
P7 M10; cal. .40 S&W
P9 S, cal. 9 mm x 19, .45 ACP
P9 S-Target, cal. 9 mm x 19, .45 ACP

Signal pistol

P2 A1, 26,5 mm



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D-78727 OBERNDORF/NECKAR

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