



HK433

Performance. Precision. Efficiency.

Scalable and modular all-round talent: HK433

We created the HK433 with a clear objective: The merging of two HK assault rifle worlds into one unique, scalable and highly efficient weapon platform for military and police users.

The HK433 is the foundation of a modular assault rifle system with the NATO standard calibre 5.56 mm x 45 and it makes a clear statement: It combines the best of the G36 and the HK416 in a peerless, state-of-the-art assault rifle architecture.

The HK433 is our solution for expanding military and governmental capabilities with high endurance in increasingly complex threat situations and conflicts. In this way, the assault rifle ensures optimum functionality and functional reliability in all climatic conditions. Features which are axiomatic for us, but also form the basis of any development.



The world of HK433

The integrated concept of the HK433 weapon platform pursues a systems approach that comprehensively increases its users' capabilities. This includes calibre-independent uniformity of weapon operation based on the preferred weapon operating mode, an increase in interoperability options, improvement of training, service and maintenance concepts as well as overall greater system safety.



5.56 mm
x 45 NATO

HK433



Training
FX, UTM

HK433
Training



Hand-
habung

HK433
Handling



.300 BLK

HK437



7.62 mm
x 51 NATO

HK231

Performance, precision and efficiency - that's what the HK433 stands for

The assault rifle features a modular design and can be configured to meet individual user needs without sacrificing performance.

The HK433 is manufactured in three barrel lengths: 11", 14.5" and 16.5". The weapon's operating mode can be freely selected. Choose between the G36/MP5 paddle or the HK416/AR-15 push-button operating modes. Two interface options are available for our handguard. Our own HKey-keyhole system or the M-LOK® slotted hole interface. The weapon is loaded laterally on the left or analogously by repositioning the cocking lever on the right-hand side of the receiver. With regard to buttstocks, our options are: standard buttstock, tactical buttstock for when using ballistic helmet sights, and a helmet-only buttstock variant. The weapon is available in three colours: Onyx Black, Dark Flat Earth and Sniper Grey.



40 mm GLM/M320/HK269 interface

Continuous NATO-STANAG 4694 profile, low line of sight

Charging handle and forward assist, non-reciprocating, reversible left/right without tools

Magazine well conforms to NATO STANAG DRAFT 4179

Fire selector lever, both sides, symmetrical, 45° travel

Height-adjustable, 4-position cheek rest

Extendable and foldable buttstock with height-adjustable cheek rest

Flash hider with interface for tool-free mounting of silencers and blank firing attachments

Cold-hammered precision barrel made of high-density special alloy, tempered and hard chromed-plated inside

M-LOK®, optional HKey-handguard

Rugged, shockproof and corrosion-resistant 30-round Gen3-PM magazine, 10 and 20-round capacities optional

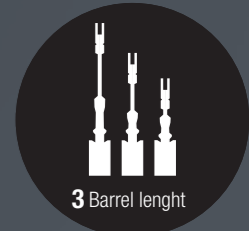
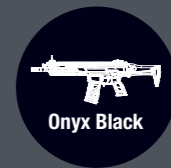
Lower receiver as freely selectable control module with operating mode options G36/MP5 paddle or HK416/AR-15 push button

Buttstock interface for employment-tactical helmet buttstock options

Straight buttstock cap, optionally interchangeable with convex or concave stop geometries

Adaptive Battle Grip with individual pistol grip volume adjustment via interchangeable side plates and back straps

Two-stage gas adjustment for normal operation N and silencer operation S, can be dismantled without tools



3 Barrel length

The safe feeling of having a Heckler & Koch



For us, the functional reliability of a weapon is paramount. Because the HK433 should function flawlessly where it is required: In extreme situations, during intense use, during difficult operating conditions and under climatic extremes. Aware of his supremacy, the user feels security in his endurance and operational capability. The decisive factor here is the combination of the receiver and its functionally relevant parts. As an indirect gas-operated weapon with a short-stroke gas piston system and form-optimised rotating bolt head, the HK433 ensures a consistently high level of functional reliability.

The balanced bolt group guide ensures sufficient functional reserve and reduces the risk of ammunition-related or contamination-related malfunction rates. The buffer system ensures controlled soft recoil of the weapon during firing. The rugged, low-maintenance receiver architecture has been perfectly adapted to human ergonomics. The Handguard and receiver lock together. The handguard is connected free of play to the receiver with just one pin.

All operating elements are arranged logically and within easy reach. The HK433 can be dismantled without tools.



Gas block, adjustable

Cold-hammered precision barrel

Continuous NATO-STANAG 4694 profile, low line of sight

Monolithic upper receiver, aluminium, optional IR-absorbing coating

Buffer system

Buttstock interface

Carrying sling eyelet, optional flush cup interface for QD strap

40 mm GLM/M320/HK269 interface

Non-reciprocating charging handle, reversible right/left



Slimline aluminium handguard with M-LOK® interface, HKey-interface optional

Balanced bolt group guide provides consistent functional reliability

Carrying sling eyelet, optional flush cup interface for QD strap

Interface for lower receiver, optional paddle or push-button operation

Revolutionary hybrid

The HK433 is the first hybrid weapon platform with a revolutionary operating concept. In stressful situations, users should be able to operate their weapon intuitively and on the basis of learned automatism, without additional training. At best, also with different calibres. The solution: An interchangeable lower receiver with two different operating modes. There is a choice of the push-button operating mode for users trained on HK416/AR-15 systems and paddle handling for trained G36/MP5 users. The operating elements are arranged on both sides and symmetrically. Both lower receivers are equipped with a drop-in trigger to change trigger characteristics and/or trigger group combinations. The safety catch - to secure the weapon in all loading states - is a standard component of the weapon system. The release of just one pin is required to change between paddle or push-button operation.

We have not restricted this uniquely operating concept to the 5.56 mm x 45 NATO caliber. On the contrary, this concept forms the cross-calibre foundation of a new type of weapon platform. Here, for example, calibres such as .300 Blackout and 7.62 mm x 51 NATO.

In short: One weapon. Two operating modes. Calibre-independent.

G36/MP5 Paddle operating mode



HK416/AR-15 Push-Button operating mode



In safe hands

27 bones, 36 joints, 39 muscles, tendons and ligaments. This makes up our most important ability to grasp and touch. In addition, there are different hand sizes and genders. We have taken these anatomical conditions as a basis for the development of our patented battle grip. The result is a fully adaptive grip that takes into account almost every human grip volume. Freely exchangeable and combinable side plates and grip backs ensure optimal adaptation to individual hand size. After all, the better and more secure the grip, the more control can be exercised over the weapon. The hollow space of the grip can be used as a storage compartment for tools, batteries or for a mechanical emergency sight. Other handle shapes can be adapted directly to the paddle or push-button housing via the standardized HK416/AR-15 interface.



3³

Grip combinations



Charged to discharge: Gen3-PM

In a live environment, a gun will only function reliably if its magazine feeds reliably. Our Gen3-PM is a rugged, shock-resistant and corrosion-resistant polymer construction whose high-quality specially coated feeder spring constantly and safely transfers cartridges to the breech. The Gen3-PM complies with NATO STANAG 4179 Draft, making it interoperable in the collective of allied defense. Both magazine sides and the magazine spine have a viewing window to determine the load status. Textured surfaces support a better grip when removing or feeding the magazine into the magazine well. The flat outer geometry ensures that the magazine fits into standard magazine pouches. The magazine base can be removed without tools, but remains connected to the magazine housing so that it cannot be lost. The magazine cap protects the magazine from fouling. When stored, it relieves the load on the magazine retaining lips and increases the overall magazine service life.



30
20 10
round
magazine capacity

Compatible with
HK433
HK416 A5
SA80

Optimum conditions for reliable optimum performance

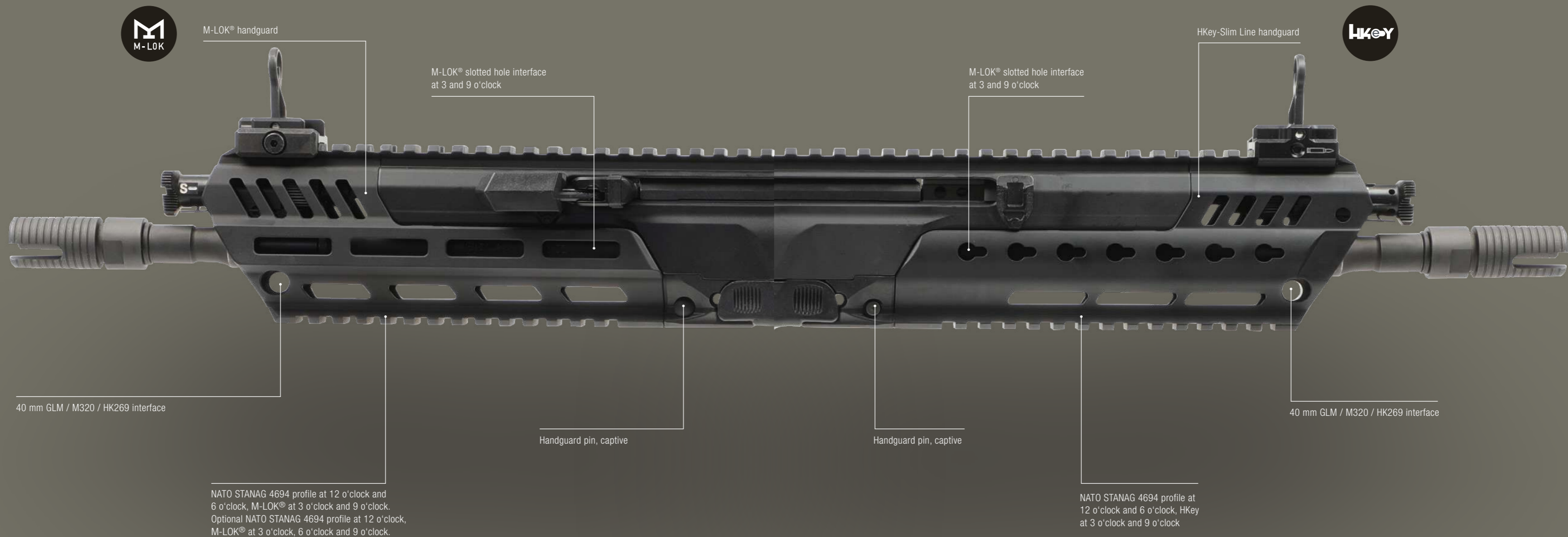


M-LOK® or HKey: 360° flexibility

As far as selection of the preferred handguard model and the location of any tactical employment aids is concerned, we leave that to the professionals.

Our M-LOK® and HKey-slimline handguards facilitate precision mounting of the necessary accessories for employment in the field. In addition, the handguard can be exchanged at any time.

Our M-LOK® and HKey-handguards are available in a range of lengths and profile combinations. We also offer a comprehensive range of accessories for both interface systems.



Detailed design, high-quality implementation

Our durable cold-hammered precision barrels are equipped with a groove/land profile with 6 grooves. Depending on the barrel length, the bullets reach energy values of between 1,200 and 1,600 joules, and thus have sufficient force to be effective within their employment range. Thanks to the high-density special alloy, our precision barrels meet the barrel obstruction specifications according to NATO AC225/D14. All barrels can be exchanged if required.

If operations must be carried out as quietly as possible for tactical reasons, the integrated tool-free gas adjustment can fine-tune the weapon and the interface connection on the flash hider can accommodate a silencer. This significantly reduces unavoidable signature and noise emissions.

11
inch



14.5
inch



Flash hider with silencer interface



Bayonet lug (optional)



16.5
inch



Gasblock, adjustable without tools for silencer operation

Cold-hammered precision barrel made of high-density special alloy, tempered and hard chromed-plated inside

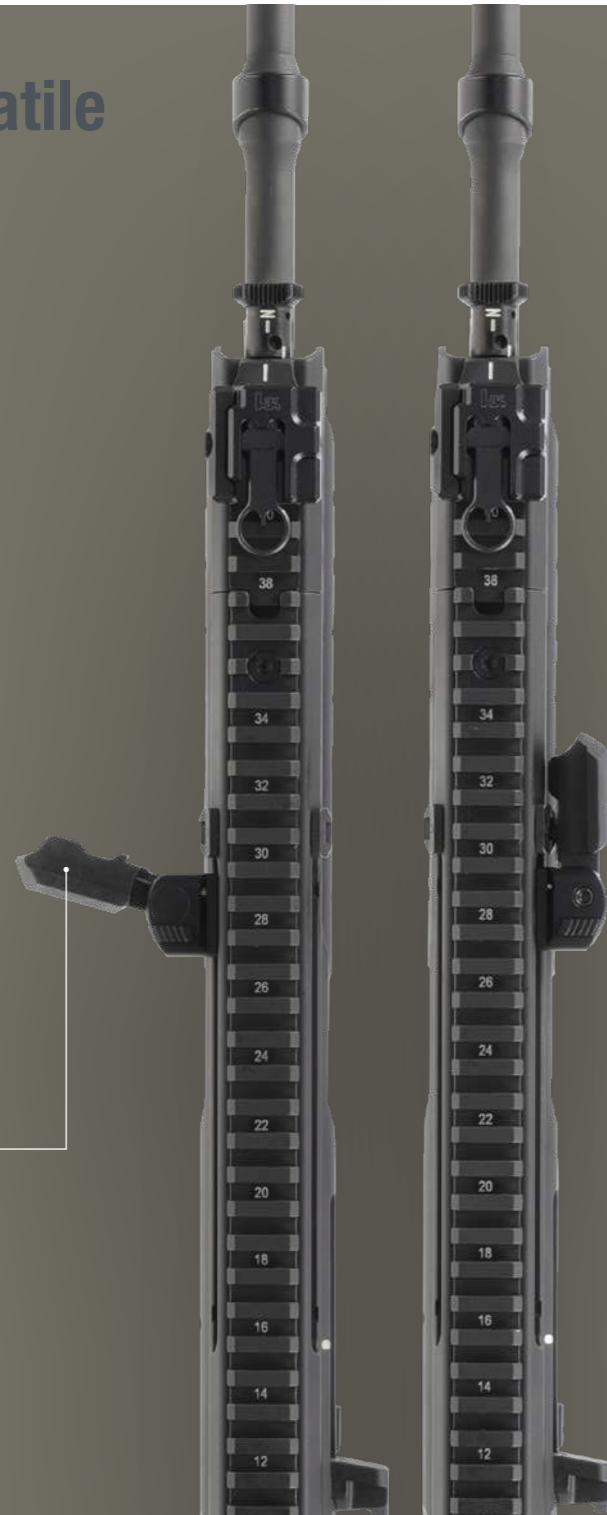


Inconspicuous but versatile

Our charging handle lies flat against the receiver and is equipped with a wide range of functions. Like the G36, the weapon can be charged from either side as the cocking lever can be installed on the left or right-hand side of the receiver without tools. During firing, the lever is decoupled from the bolt group. It is non-reciprocating and remains fixed in position. Thanks to the ergonomic and optimal positioning of the charging handle, it is possible to hold the rifle on target during the charging process, regardless of firing position. There is even an integrated forward assist function to facilitate locking the bolt group silently if required.



Tool-free, reversible, non-reciprocating charging handle with integrated forwarding assist function



Simple but helpful

A white mark makes all the difference. Our Chamber Check Marker is a visual aid to check the loading status of the weapon. The marker on the ejection port defines the maximum bolt group position to be opened without accidentally pulling the cartridge out of the chamber or jamming it in the process.

Chamber Check the Heckler & Koch way: Safe and simple



Chamber Check mark

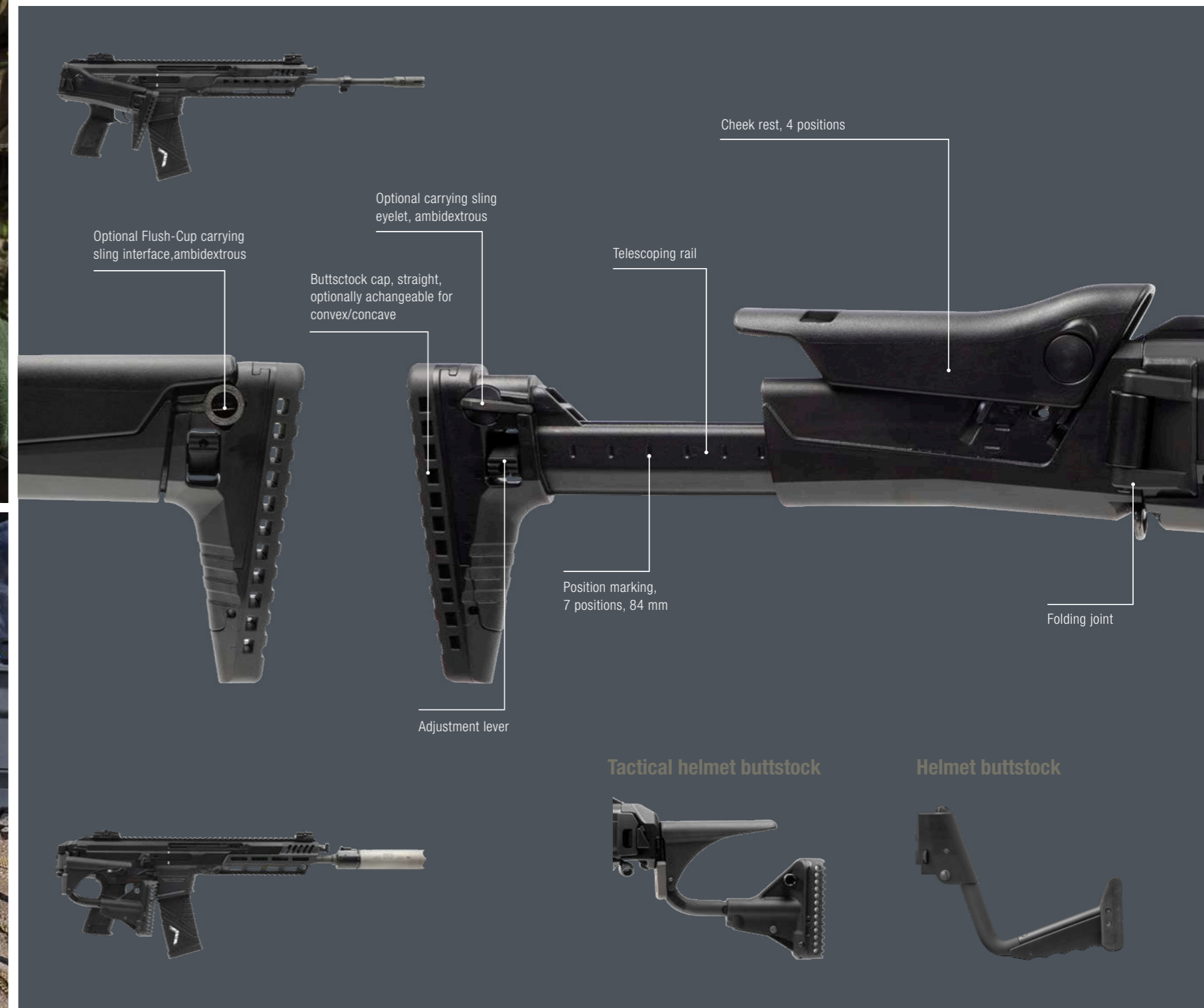


Ergonomic in the shoulder, modular in use

Our HK433 Ergo shoulder stock is not only perfectly adapted to the human physique; it also ensures a secure stance and high stability when shooting. With locking positions, the individual length setting for the body or armor can be defined. The integrated height-adjustable cheek rest assists with target acquisition. The tried-and-true folding mechanism of the stock enables the HK433 to be carried or transported in its most compact form - and also to be used in an emergency. Slings can be attached to the integrated carrying sling eyelet or the flush-cup sling interface of the stock.

For situation-oriented threat scenarios using ballistic protective helmets, we offer two stock options. The first is our tactical helmet stock for ballistic helmets with a short protective visor. It has a detachable and height-adjustable cheek rest, as well as a length adjustment option. If necessary, it can be folded down to the right against the weapon housing.

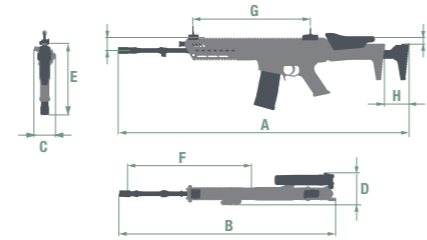
The second option is our pure helmet stock. It is geometrically designed for protective helmets that are equipped with a long protective visor. The length of the helmet stock can also be adjusted but, has the special feature that it can be folded down both to the right and to the left. In this state its end position is below the receiver. The grip and the trigger are freely accessible.



Technical Data



HK433	11"	14.5"	16.5"
Calibre	5.56 mm x 45 NATO	5.56 mm x 45 NATO	5.56 mm x 45 NATO
Operating principle	indirect gas-operated weapon	indirect gas-operated weapon	indirect gas-operated weapon
Locking system	Locked rotating bolt head	Locked rotating bolt head	Locked rotating bolt head
Magazine capacity	10/20/30 cartridges	10/20/30 cartridges	10/20/30 cartridges
Cartridge case ejection	Right	Right	Right
Modes of fire	Single fire / sustained fire	Single fire / sustained fire	Single fire / sustained fire
Trigger pull	approx. 30 - 40 N	approx. 30 - 40 N	approx. 30 - 40 N
Rate of fire	approx. 850 rounds/minute	approx. 850 rounds/minute	approx. 850 rounds/minute
Muzzle velocity $-v_5^{-1}$	approx. 800 m/s	approx. 850 m/s	approx. 875 m/s
Muzzle energy $-E_5^{-1}$	approx. 1275 J	approx. 1450 J	approx. 1530 J
Barrel profile / twist	Groove/land profile, 6 grooves, right-hand twist	Groove/land profile, 6 grooves, right-hand twist	Groove/land profile, 6 grooves, right-hand twist
Dimensions			
Length (min./max.) (A/B)	approx. 577/835 mm	approx. 666/924 mm	approx. 718/976 mm
Width (min./max.) (C/D)	approx. 73/106 mm	approx. 73/106 mm	approx. 73/106 mm
Height ₂ (E)	approx. 242 mm	approx. 242 mm	approx. 242 mm
Barrel length ₃ (F)	280 mm	369 mm	420 mm
Sight radius (G)	380 mm	380 mm	380 mm
Buttstock adjustment travel (H)	84 mm, 7 locking positions	84 mm, 7 locking positions	84 mm, 7 locking positions
Cheek rest adjustment travel (I)	21 mm, 4 locking positions	21 mm, 4 locking positions	21 mm, 4 locking positions
Weights			
Weapon ₄	approx. 3.4 kg	approx. 3.5 kg	approx. 3.6 kg
HK Gen3 PM magazine ₅	approx. 158 g	approx. 158 g	approx. 158 g



The highlights at a glance

Fully modular weapon platform for even greater flexibility of individual equipment combinations, including colour options and cross-functional weapon combinations

Cross-calibre standard operating concept with selectable G36/MP5 or HK416/AR-15 operating modes

Highly ergonomic weapon design by means of user-oriented arrangement of all operating elements and weapon components adaptable to the human physique

Precision barrel made from cold-hammered special steel, with optional bayonet lug

M-LOK® and HKey-handguards available in different lengths with a range of profile combination options

Chamber Check Marker serves as visual check aid of bolt group position to reduce additional stress factors in threatening situations

Non-reciprocating charging handle which decouples when the bolt group is running, also serves as forward assist, reversible left/right without tools

Highest possible degree of component uniformity within the different calibres to increase efficiency in logistical processes of replenishment, spare parts stocking, repair and training costs

Low-maintenance, reliable weapon system in the high- and low-temperature band thanks to special material and surface properties of the weapon design

Capable of withstanding barrel obstructions, tested as per NATO-AC225/D14 with soft core, steel core and tracer ammunition

Drop safety tested in accordance with NATO-AC225/D14

₁ Cartridge M855/DM11 | ₂ with Magazine 30 cartridges, sights folded down | ₃ without muzzle device | ₄ Rifle with sights, without magazine | ₅ unloaded

With regard to the data in this catalogue:

These refer to the time of publication of this catalogue. The products are under continuous further development. For this reason, the product may have undergone changes since publication of this document. We reserve the right to make changes in design or shape as well as deviations in colour. The illustrations may also contain accessories and special equipment that are not part of the standard scope of supply. Colour deviations are due to variations in the printing system.

Drop safety, barrel obstruction capability, over-the-beach-capability and temperature band were tested in accordance with NATO-AC225/D14. Information regarding malfunction rate, system and barrel service life, precision and cook-off is derived from test weapons and HK laboratory results. Depending on the type of ammunition used, deviating cleaning or regular replacement intervals, environmental influences and the condition of the weapon, deviations from the values given may occur in practice. The data do not refer to a single weapon and are not automatically part of a subsequent individual offer, but serve solely for general comparative purposes between different weapon types. Only the data relating to a product which is included in a later individual offer from H&K are binding.

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