

The top of security.



MODULAR REPLACEMENT LOCKS FOR PRISONS

HSLretro

Upgrading made easy

High-security solutions – Made in Germany

For over 140 years, STUV has been one of the world's most traditional manufacturers of security technology. Our products provide protection where the highest security standards are required – for prisons, police and military facilities, banks, critical infrastructure providers, and security and logistics service providers.

As a leading company in international technology with numerous patents, we shape the development of global standards. We combine many years of experience with innovative strength and stand for high-security solutions that are valued worldwide for their absolute reliability. Our claim is uncompromising quality. For us, “Made in Germany” means precision, durability, and security at the highest level. Our systems set standards and provide our customers with the assurance that they can rely on – technology that works reliably under all conditions.

Andreas Kupka
Managing Director
CEO



“The security of our access solutions begins where the imagination of others ends.”

Andreas Kupka
Managing Director
CEO



HSLretro. The best solution for your old locks – without needing to replace doors or implement costly upgrades.

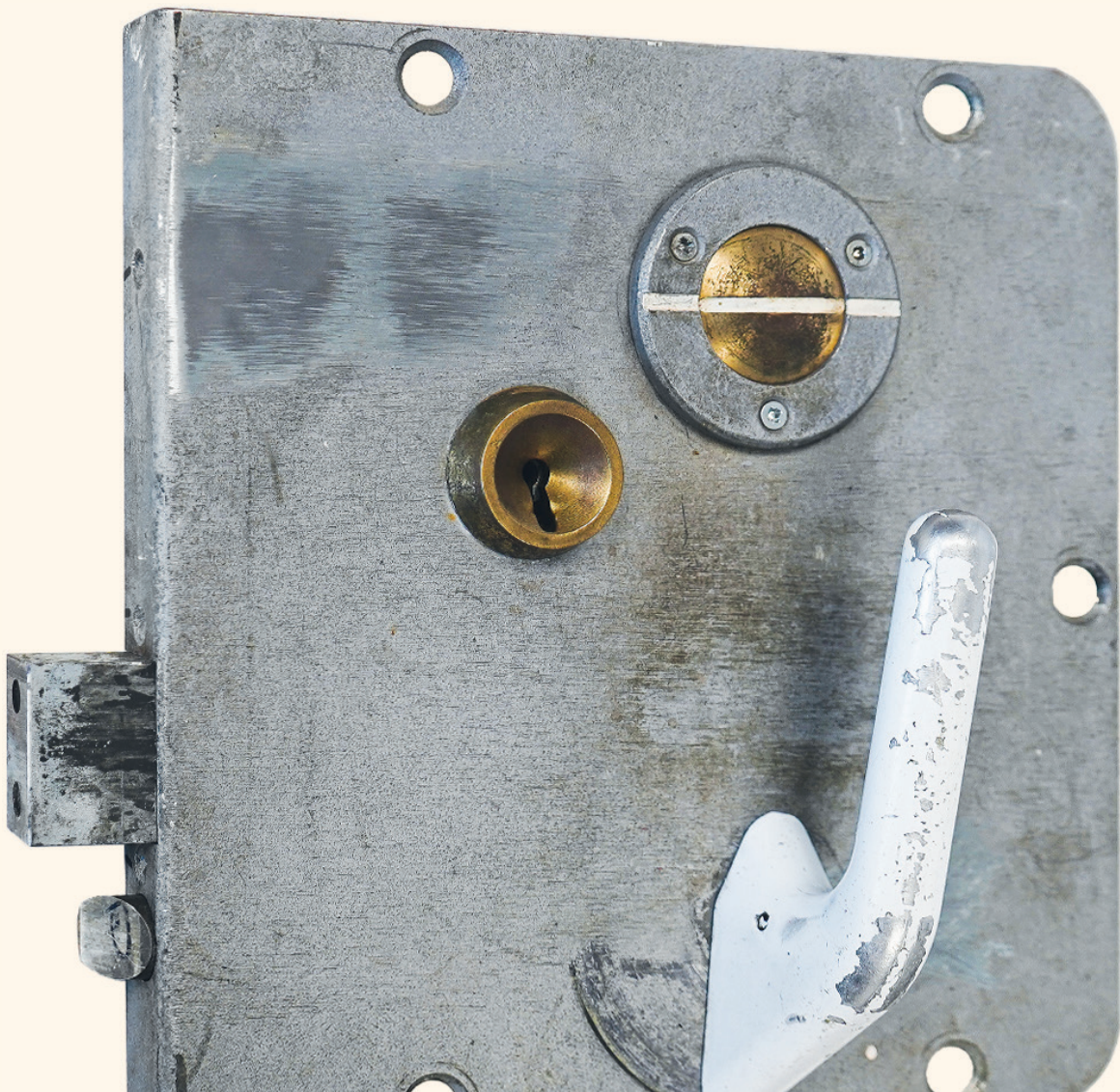
Many prisons and police facilities are equipped with outdated locking systems. These locks no longer meet today's security requirements. Most spare parts and replacement locks are no longer manufactured. Or the manufacturers have disappeared from the market. With HSLretro, locks can be replaced quickly and cost-effectively. Old lock out – new lock in. The door stays the same. Guaranteed.

EXIT 出口



Same size, same function.

With the new HSLretro modular lock system, STUV Prison Solutions makes it easy to upgrade existing prison doors to the latest HSL double-bit technology.





The HSLretro lock is based on a modular system and can therefore be adapted to the dimensional requirements of existing locks. It uses HSL double-bit technology, which has been proven for decades. Whether you need a compatible lock for old STUV products or a replacement for other brands. Whether based on tumbler technology or a profile cylinder, whether mechanical or electronic: STUV offers you an alternative for your old locks without having to replace the door.

The STUV engineers made no compromises in the HSLretro's design: high-quality stainless steel components were used in place of sheet metal parts, thereby guaranteeing long-lasting and precise function for years to come. The STUV engineers have developed an intelligent modular system that can be adapted to almost all standard prison locks on the market.



**HSLretro replaces old
locks from Chubb[®],
Southern Folger, Lebtig,
Hollis Scott, Dormakaba[®],
Kromer and more.**

HSLretro is the alternative to your old locks.
Easy to replace – enhances security instantly.



Retrofitting.

The new HSLretro modular lock system allows old locks to be replaced with modern high security locks in minutes without any need to rebuild the detention room doors. STUV provides you with the new detention room lock with the exact same box dimensions as your existing old locks - available as a mortise and screw-on version.

Made easy.

It is also easy to replace old locks on passage doors with new HSLretro locks. The key guides are mounted on an axis on both sides of the passage door locks. Depending on the type of old lock, an additional through hole may be required on one side, for example, using a magnetic core drill. The top hole is securely closed with a blind escutcheon.

Guaranteed.

Replacing the hatch lock or inspection flap lock is as easy as replacing the detention room lock. STUV supplies the new hatch lock with the exact same box dimensions as your existing locks. Remove the old lock, install the HSLretro lock and you're done.

Detention room



1. Remove old lock

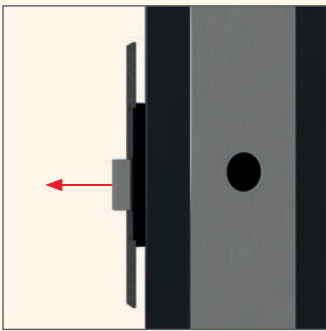


2. Install mounting plate if required



3. Install new HSLretro using 5 screws

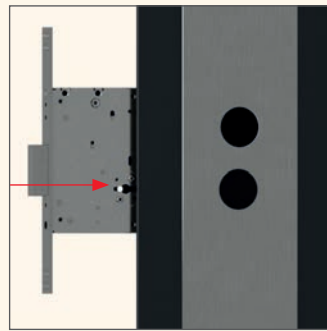
Passage



1. Remove old lock



2. Drill a new hole if necessary

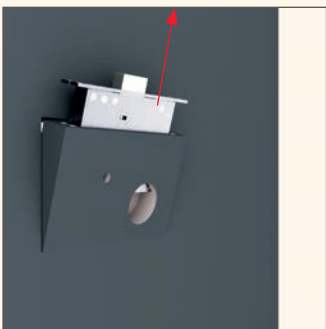


3. Insert new HSLretro lock

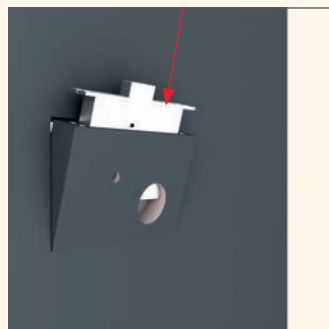


4. Screw on blind rosette

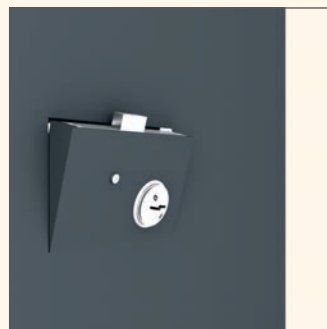
Food hatch



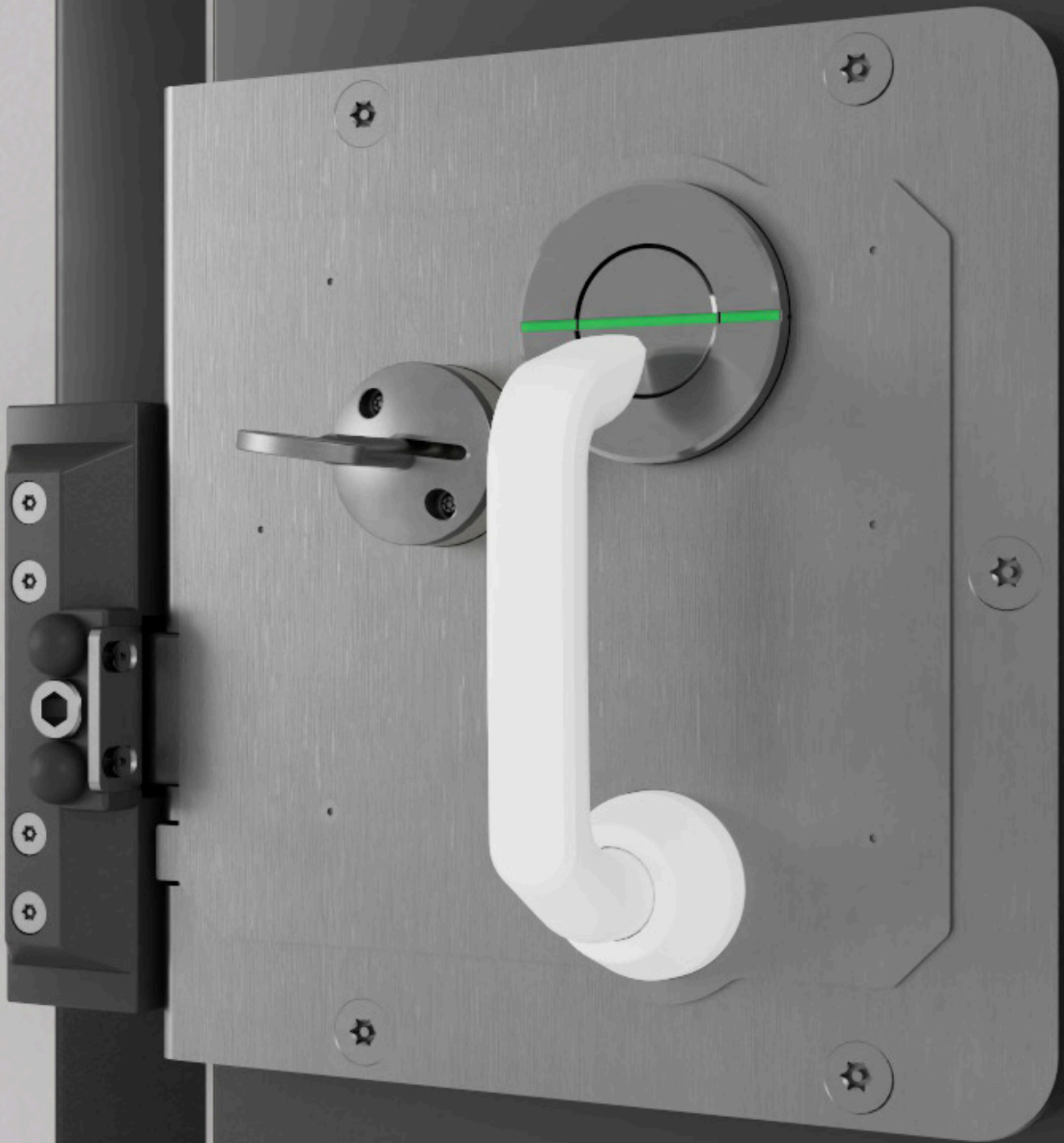
1. Remove old lock



2. Insert new HSLretro lock



3. Installation is complete



Rethinking security

As a leading company in high security locks for the correctional industry, we offer you planning and cost certainty when implementing retrofit projects. We calculate our quotes to the cent – no added surprises at a later date.

The conversion concept

First step STUV Prison Solutions will develop a retrofit concept and a target price offer based on the available data.

Second step If the scope of the quote meets your expectations, the next step is for STUV Prison Solutions to carry out an inventory at your premises. This involves recording and documenting all doors, locks, and lock types.

Third step You will then receive a binding final price that includes all necessary costs for the retrofit, based on the as-built documentation.

Fourth step Once you have placed the order, we supply the locks and, if required, convert the detention room and access doors during operation. We usually complete the work within 2-4 weeks.

The service concept

On-site replacement service We will replace the existing locks for you and ensure a smooth installation, guaranteeing 100% functionality.

Optional Full Service Operating Concept (rental system) The actual time spent on the conversion is charged as a one-time payment. For the new HSLretro lock, including the full service package, you pay a single low fee on a monthly basis.

Letter of Protection Our all-risk service for maximum cost control and operational security: we provide you replacement locks in the form of 10% of the original order volume. You will also have the full manufacturer's warranty during the term of the contract, and you will not pay any repair costs for the locks in this time.

On-site Letter of Protection In addition to the services provided in the Letter of Protection, we will visit your premises within 3 business days to change the locks.

HSLretro

The system

Providing perfect security. The goal of STUV's product developers is not only to ensure that as many locks as possible fit the doors available on the market, but also that they are absolutely secure and reliable. The features of our locks are proof of this goal:

TECHNICAL DATA



Forend, striking plate, lock case, and all functional parts made of corrosion-resistant stainless steel



Solid stainless steel locking elements, e.g. latches, latchbolts, and shootbolt attachments, optionally with saw protection



High protection against side load forces up to 50 kN, maximum end-load latch back pressure up to 6 kN



Secured latch opening protects against lock manipulation when the door is open



Manufacturer-exclusive key profiles. 35,000,000 possible codings enable a very large range of locking variants



In the event of key loss or change of locking: 9-fold recodable locking mechanism, can be recoded as often as required – in just 5 seconds per lock



Double-bit lever locks with 7 levers that are fully integrated into the lock housing and protected against tampering



Non-pickable, springless levers made of low-wear special bronze alloy



100% Security
made in Germany

Non-pickable
double-bit locking mechanism

Keys
made of special steel

More than 35,000,000
possible codings

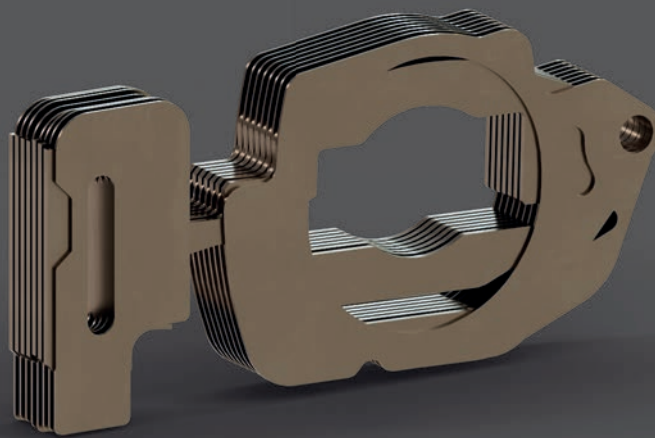
More than 1,000,000
locks sold worldwide

10 year
manufacturer guarantee



Tumbler tech

Maintenance-free • Spring-free
Highly-refined bronze tumblers



Tumbler set

Technology benefits

- STUV tumbler sets are completely maintenance-free.
- STUV's double-bit technology prevents incorrect locking and misaligned tumblers, which occur with old single-bit locks. Other international manufacturers still produce the insecure single-bit technology for prisons today.
- In contrast to the brass material used by other manufacturers, STUV only uses high-quality bronze material with self-lubricating properties for a significantly longer than average service life.
- Unlike single-bit technology, the STUV locking system does not use a single spring. This means there is no risk of breakage and, therefore, no locking failures or time-consuming repairs.
- The STUV double-bit technology offers maximum security.

Recoding

No tools • No conversions
In just 5 seconds per lock



HSL double-bit key

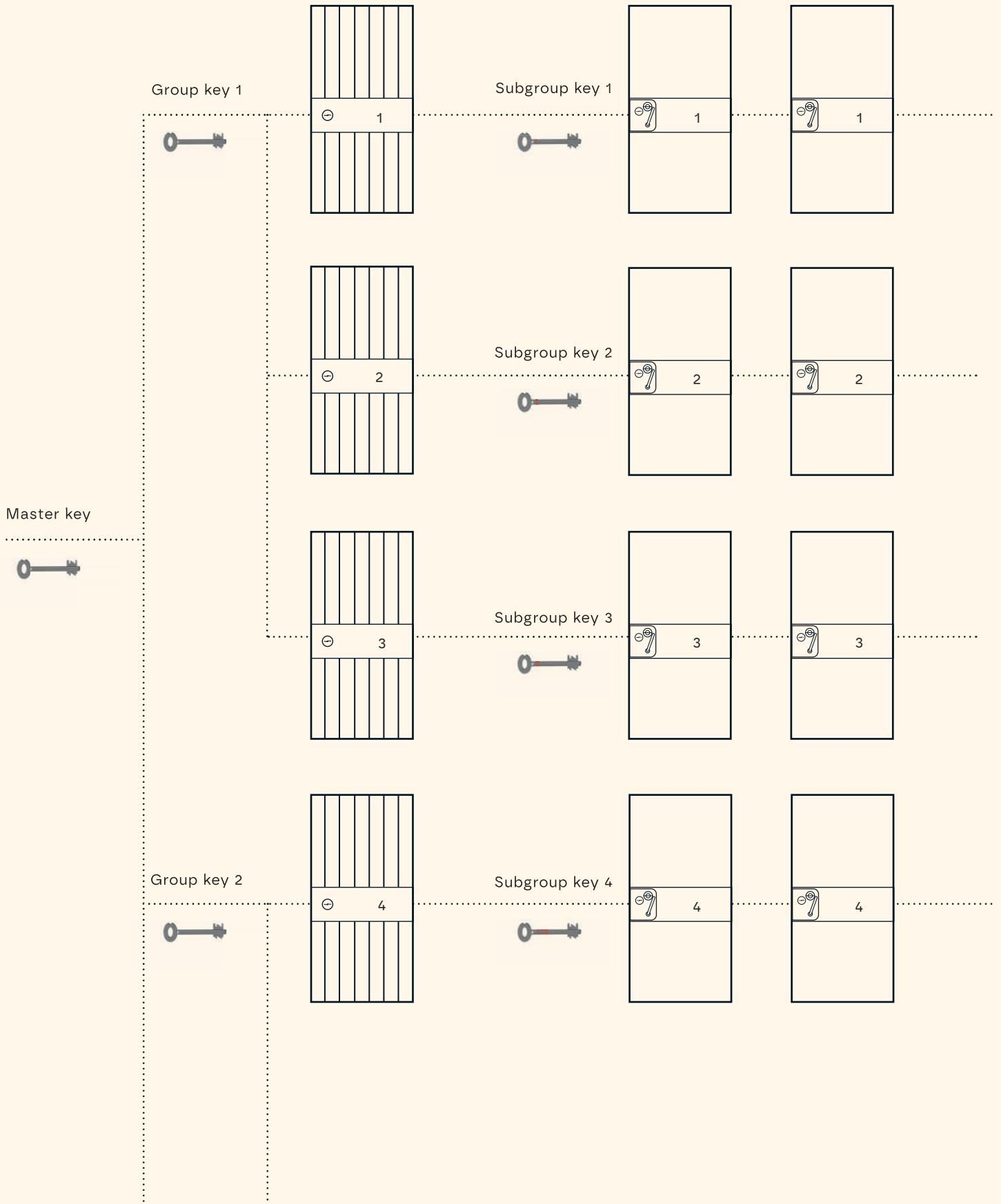
Technology benefits

- With competitor locks, if a cell or pass key is lost, users generally have to replace all locks. This has already happened in many Commonwealth prisons in the past.
- With recodable double-bit technology, STUV locks save an incredible amount of time, money, and effort in such cases.
- If a current key is lost, the new set of keys is taken from a prison safe. We recommend ordering a minimum of three sets of keys when commissioning the locks. Each set should cover the number of officers.
- An entire prison can be recoded to the new locking system in just one shift.
- Recoding takes a maximum of 5 seconds per lock.
- How does it work? Simply unlock with the current key and lock with the new key. Done.
- Previous lock settings are not invalidated. The process can be repeated as often as required.

Master / group options

The smart security system

HSL and HSLretro series support a master /group key function using notched plates. The master key has access to all (up to 21 different) subgroups, while the group key has access to selected subgroups. Each subgroup has its own subgroup key.



References

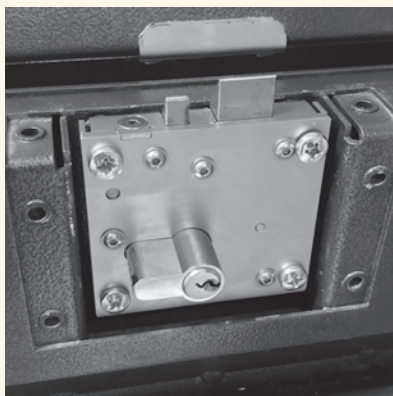
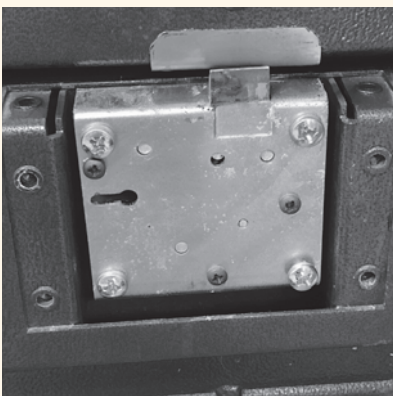
HSL-C175 Hongkong (Asia)



HSL-C175 Eswatini (former Swasiland)



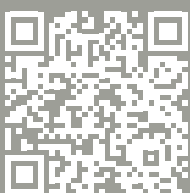
SL-C204 Sydney (Australia)



Certified test center

To ensure the high quality of our high-security products, STUV operates its own test center as part of our quality management system. All components of the safety products are systematically subjected to various tests – from development to delivery. In this way, we ensure that our customers always receive a flawless product.

We regularly carry out up to 1,500,000 test cycles for HSL locks, hinges, fittings, handles, and RFID readers.



Watch the video



PRODUCT LINES.

Mechanical locks

Electromechanical locks

Regardless of whether you are replacing locks in existing doors or building a new prison: STUV offers a flexible product portfolio for all structural requirements that can be individually adapted to your requirements or future plans.



LOCK TYPES.

Hatch lock

Deadbolt

Latch bolt

Dead-latch lock



Motorized locks



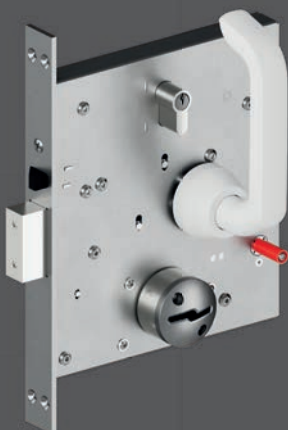
Retrofit locks



Access control



Slam action



Cremone



Multi-point



STUV Academy

With decades of experience in the field of high-security technology and years of industry specialization, STUV offers unique insights into the correctional industry with the best available training courses on the market. We offer training in a variety of formats, including classroom training, virtual classroom training, and customised

training at our state-of-the-art STUV ACADEMY in Heiligenhaus near Düsseldorf, which opened in 2024. The STUV ACADEMY supports staff, professionals, planners, and architects in developing valuable skills and acquiring in-depth knowledge through a range of high-quality, practical training courses delivered by experts of the field.

Operators / guards

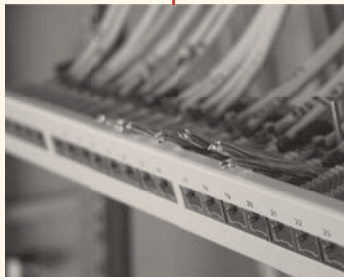
User training with practical sessions on installation, maintenance, and product knowledge

Architects / planners

Technical properties, smoke and fire protection, instructions for tendering

Door manufacturers

Product knowledge, installation practice, certificates and product customizations







Did you know?

We are not just specialists in replacement locks for prisons – our product portfolio includes more than 5,000 items. We are constantly developing new solutions for the justice system, police, and forensics. These include mechanical and electronic high-security locks, door control and access solutions, as well as a wide range of accessories.

And if you are looking for an individual solution, we will be happy to develop it for you.

So what can we do for you?

SECURITY
MADE IN
GERMANY

1883

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