BANK SECURITY SOLUTIONS

Prefabricated strongrooms and archive rooms
Vault doors and archive doors
Safety deposit lockers
Electronic deposit management solutions

PREFABRICATED STRONGROOMS AND ARCHIVE ROOMS

Officially tested prefabricated strongrooms have replaced traditional concrete vaults in many banks, companies and institutions. Prefabricated strongrooms are even popular for private panic rooms installations. The reason for high success for prefabricated strongrooms is based on high security, stabile quality and evaluated burglary resistance proofed by the certification.

Kaso offers wide range of prefabricated strongrooms and archive rooms tested and certified according to European Standard EN 1143-1.

Prefabricated elements are finished with high quality steel panels constituting of different barrier materials depending on the grade of burglary protection and optional explosion or fire protection resistance. Prefabricated elements are attached with indentations, making it extremely difficult to break the structure. The panels are secured by welding or by bolting where welding is not possible nor allowed. Strongrooms can be supplied with prefabricated element or steel plate floors. Surface finishing likepainting or cladding can be finalised by local contractors.

PRODUCT RANGE

Prefabricated strongroom elements with fire protection

EH-20L
• grade II, EN 1143-1
• thickness 120 mm, weight 185 kg/m2

EH-30L
• grade III, / EN 1143-1
• thickness 120 mm, weight 335 kg/m2

Prefabricated high security strongroom elements with fire protection

EH-50L
• grade V, EN 1143-1
• thickness 120 mm, weight 345 kg/m2

EH-60L
• grade VI, EN 1143-1
• thickness 120 mm, weight 350 kg/m2

EH-70L
• grade VII, EN 1143-1
• thickness 120 mm, weight 360 kg/m2
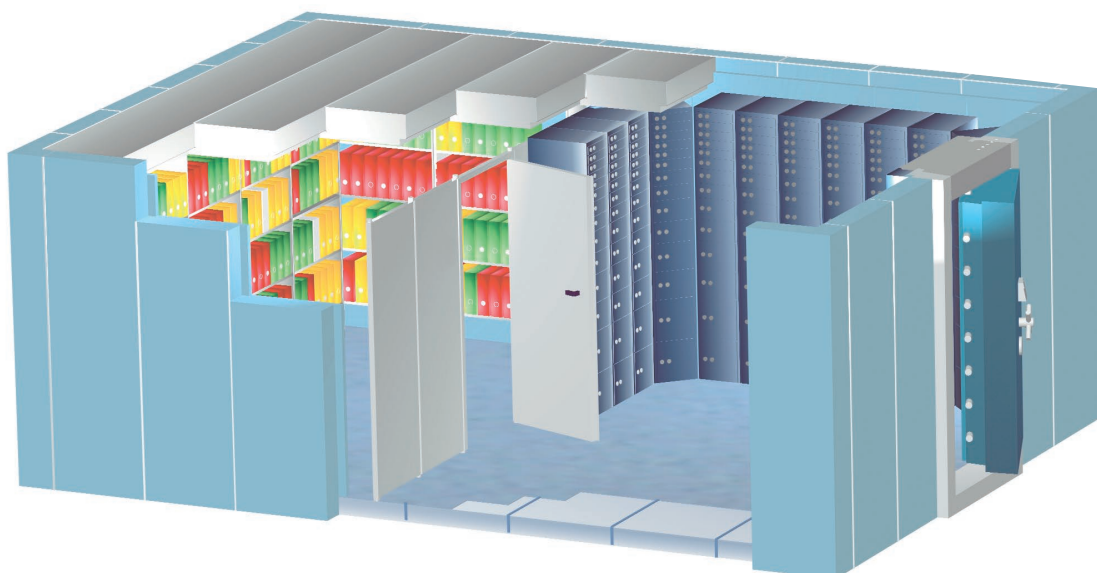
Prefabricated bank security elements

EH-90L
• grade IX, EN 1143-1
• thickness 165 mm, weight 495 kg/m2

EH-100L
• grade X, EN 1143-1
• thickness 195 mm, weight 585 kg/m2

EH-120L
• grade XII, EN 1143-1
• thickness 250 mm, weight 770 kg/m2

SUPPLY OPTIONS

Strongroom scope of supply is customised for meeting individual project requirements including for example:
• internal steel support structures for large/high or two-floor strongrooms
• alarm, CCTV and entrance control solutions
• safe deposit lockers
• emergency doors
• mobile and fixed shelves
• surface finishing options
• fire protection panels
• fire prevention and fire alarm solutions

PLANNING SERVICE

Kaso offers through international distributor network following services to customers, engineering offices and contractors:
• on-site estimates of prefabricated strongroom installation possibilities
• estimates of structural load bearing capacities
• strongroom planning assistance
• strongroom weight estimates
• cost estimates
The exterior measurements of Kaso prefabricated strongrooms can be entirely adjusted according to the customer and installation site requirements.

INSTALLATION

The prefabricated strongroom elements are delivered to the installation site where they are quickly assembled for immediate use. It is also possible to relocate a prefabricated strongroom if needed. In addition, the strongroom can be expanded and the vault door position can be moved.

KASO STRONGROOM ADVANTAGES

The reason for high success for Kaso prefabricated strongrooms is based on:
• tested, comparable and certified burglary resistance
• high, stabile and monitored quality
• relocation possibility of the strongroom
• quality steel finishing on all sides of the elements
• flexible dimensioning
• possibility for reinforcing of existing security rooms
• quick and easy installation
• over 40 years experience with over 1000 strongrooms supplied internationally

ARCHIVE AND VAULT DOORS

Standard equipment	VD-A	VD-3	VD-5	VD-6	VD-9	VD-10	VD-12
• movable locking bolts (pcs)	7 pcs	7 pcs	7 pcs	7 pcs	12 pcs	5 pcs (large)	6 pcs (large)
• fixed back bolt bank	yes	yes	yes	yes	yes	yes	yes
• number of keylocks (Class)	1 pcs (A)	1 pcs (B)	2 pcs (B)	2 pcs (C)	2 pcs (C)	2 pcs (C)	3 pcs (C)
• maximum number of locks	3 pcs	3 pcs	3 pcs	3 pcs	3 pcs	3 pcs	3 pcs
• burglary resistance	-	Grade lll	Grade V	Grade VI	Grade IX	Grade X	Grade XII
• fire resistance	120 min	120 min	120 min	120 min	-	-	-
• barrier/door thickness (mm)	120/193	120/193	120/193	120/193	154/224	220/285	300/365
• entrance WxH (mm)	898x1940	898x1940	898x1940	898x1940	910x1960	910x1960	910x1960
• installation clearance WxH (mm)	1200x2150	1200x2150	1200x2150	1200x2150	1310x2170	1430x2220	1430x2220
• weight (kg)	320	450	700	800	1370	1980	2800
• colour light grey, RAL 7035	•	•	•	•	•	•	•

Archive and Vault door options

• lock-, bolt-, door micro switches
• preparation for alarm connection
• motor lock for entrance control
• electronic Paxos compact locking system
• mechanical combination or electronic code lock

• day gate
• door stopper
• seismic detector
• re-locking solution
• stainless steel design

KASO VD-A ARCHIVE DOOR

VD-A is an archive door with 120 minutes fire protection (EI 120 fire rating). VD-A archive door offers premium burglary resistance compared to standard industrial fire doors - four sided security construction including locking bolts on three sides and fixed back bolt bank. Archive doors are also supplied with high security locking mechanisms including burglary certified locks. VD-A archive door is intended to be used with EH-20L and EH-30L archive rooms. Due to modern design, the archive door can be also installed to modern office environment.

KASO VAULT DOORS

Kaso vault doors are burglary certified to grades III, V, VI, IX, X and XII according to European Standard EN 1143-1. Vault doors VD-3, VD-5 and VD-6 are also offering 120 minutes fire protection according to EI 120.

The doors can be used on their own, installed to the concrete wall or as part of prefabricated strongrooms. Vault doors can be also installed to offices where the look of a fire door does not match the rest of furnishings. Wide range of options are also available for Kaso vault doors for meeting the specific design and security requirements of the installations.

KASO EMERGENCY DOORS AND VAULT DOORS WITH INTEGRATED EMERGENCY DOORS

Emergency doors are installed as a secondary entrance to the vault. The emergency door enables strongroom access in case of operating failure of the main vault door and the vault operation can be continued until the main vault door has been repaired.

Emergency Doors are manufactured to Grades III, V, VI and IX according to European Standard EN 1143-1 and are offering comparable security level as the main vault doors. Emergency door could be supplied with similar options as the vault doors for conveniency of operation.

The emergency doors can be used on their own, installed to concrete wall or as part of prefabricated strongrooms as a secondary access. They can be also integrated to the main vault door for optimising the installation area of the door on the walls and then maximising the storage capacity inside the vault. The outside entrance is also more conveniently arranged. The vault doors with integrated emergency doors are manufactured according to EN 1143-1. The external dimensions and passage/ clearance of the vault doors with integrated emergency doors are the same as the standard vault doors without emergency doors.

VD-3 Vault Door and VD-3 Vault Door with E3E Integrated Emergency Door

VAULT DOORS WITH INTEGRATED EMERGENCY DOORS

Standard equipment	VD-3E	VD-5E	VD-6E
• movable locking bolts (pcs)	7 pcs	7 pcs	7 pcs
• fixed back bolt bank	-	-	yes
• number of keylocks (Class)	1+1 pcs (B)	2+2 pcs (B)	2+2pcs (C)
• maximum number of locks	3 pcs	3 pcs	3 pcs
• manufactured to EN1143-1	Grade III	Grade V	Grade VI
• barrier/door thickness (mm)	120/193	120/193	120/193
• entrance HxW (mm)	1940x898	1940x898	1940x898
• weight (kg)	450	700	800
• colour light grey, RAL 7035	-	-	-

EMERGENCY DOORS

Standard equipment	E3E-320	E5E-320	VDE-6	VDE-25
• movable locking bolts (pcs)	8 pcs	8 pcs	7 pcs	7 pcs
• fixed back bolt bank	-	-	yes	yes
• number of keylocks (Class)	1 pcs (A)	2 pcs (B)	2 pcs (C)	2 pcs (C)
• maximum number of locks	3 pcs	3 pcs	3 pcs	3 pcs
• manufactured to EN1143-1	Grade III	Grade V	Grade VI	Grade IX EX
• thickness of security barrier (mm)	62	94	120	230
• total thickness (mm)	125	156	193	392
• entrance HxW (mm)	854x506	854x506	1040x603	1040x603
• weight (kg)	120	170	340	420
• colour light grey, RAL 7035	-	-	-	-

• supplied with certified high security bank level locks and locking systems

• protection against latest and most advanced testing methods and tools

• specific protection for critical parts of the doors, locks and locking systems

SAFETY DEPOSIT LOCKERS

Three widths of Kaso SLK safety deposit lockers are available as standard. Shown example features in the picture: SLK-90, SLK-95 and SLK-99 columns with two Abloy keylocks per locker, full stainless steel design.

EXTERNAL MEASURES:

SLK-70 series:

Total door thickness 11 mm

Height	200 cm
Depth	46 cm
Width	30 cm (SLK-70)
	45 cm (SLK-75)
	60 cm (SLK-79)

SLK-90 series:

Total door thickness 16 mm.
Market leading security features:
• fixed back bolt bank
• spring steel hinge axle (pat.)
• tested by Bankers Association

Height	200 cm
Depth	46 cm
Width	30 cm (SLK-90)
	45 cm (SLK-95)
	60 cm (SLK-99)

Locking options:

• one or two keylocks per box
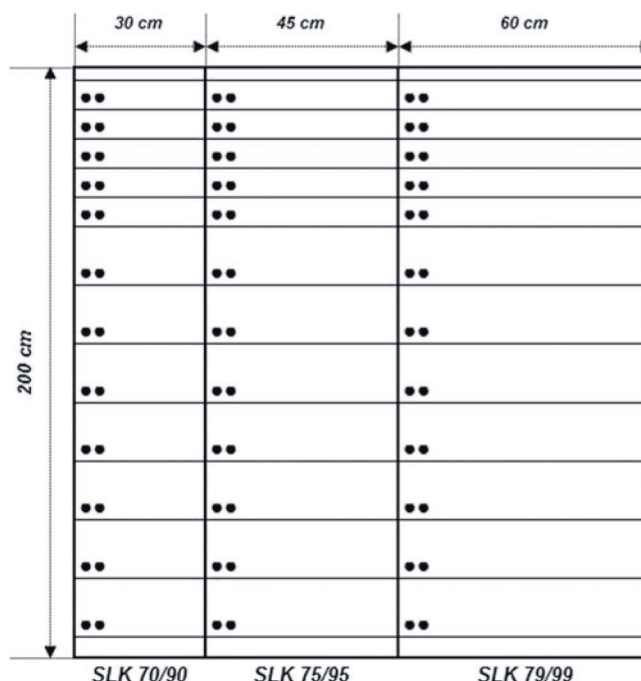• Abloy keylocks
• electronic locking

Standard colour:

Light grey RAL 7035, powder painted

Standard Box height (mm):

50, 75, 100, 125, 150, 175
200, 250, 300, 400, 450, 600

SAFETY DEPOSIT LOCKER ADVANTAGES

Widest range of standard safety deposit lockers

• two models, SLK-70 and SLK-90

• three standard width options

• wide selection of standard lockers

• multiple locking options

• options for camera monitoring (CCTV) and deposit management solutions

Flexible customer specific solutions

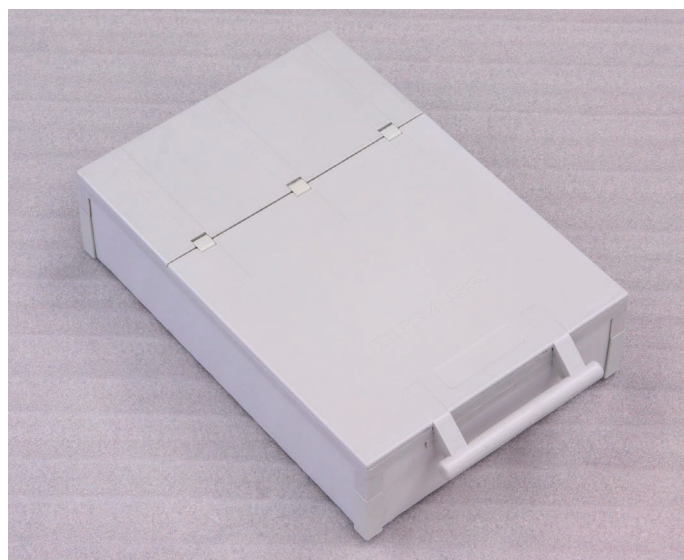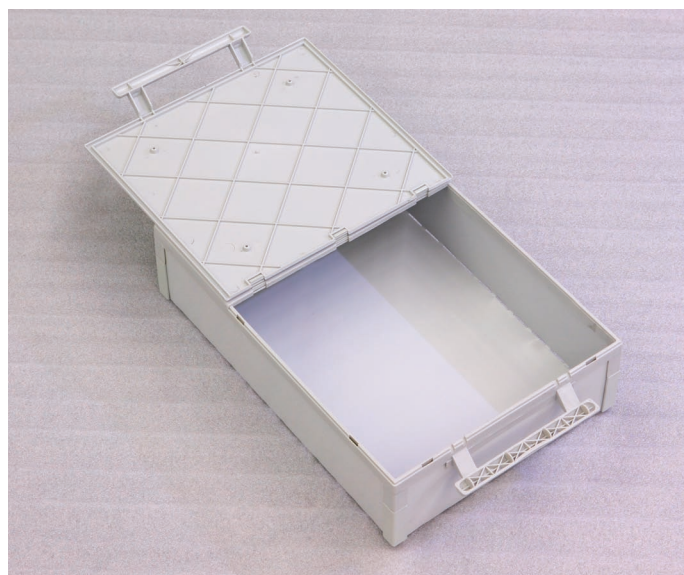• special locker and column sizes

• special colours and finishing

Quality and security

• manufactured in accordance with ISO 9001:2008 in Helsinki, Finland

• SLK-90 Safety Deposit Lockers tested by Bankers Association

Optional equipment:

- inner boxes for SLK-70 and SLK-90 lockers

- padlocks for inner boxes

- electronic deposit management solution

- pull-out trays for SLK-70 and SLK-90 lockers

- stainless steel-plate doors

- special sizes and colours

Inner box

DEPOSIT MANAGEMENT SOLUTION

Kaso deposit management system is easy to use solution for identification, authentication and access management of electronic locking systems. The system is based on field-proven high quality components and will be bringing the highest security to electronic locking systems.

Deposit Management Solution Standard Features
• automatic troubleshooting
• remote access-connection centrally pushed opening/ closing
• "duress"-option for fingerprint reading
• option for an attorney etc.
• available languages English, German and French. Other languages as option.
• automatic log-file creation: opening/closing-, user- and, administrator records and system alarms recorded

Kaso deposit management system advantages
• unique dual-factor authentication, identification and recording of the use of the system
• portable database – the fingerprints are stored on a smart card not on the reader
• the smart card is unique. With lost card it is not possible to access the deposit like with traditional cards. Also cancellation of the card can be done remotely in real-time if needed
• administrative personnel is not absolutely needed. The probability of human errors decreases.
• modular and flexible system with wide range of options available

CINEMA DEPOSIT VERIFICATION SYSTEM

Deposit management solution for banks, cash service companies and retail chains.

Benefits
• management of customer deposits, cash collection and deposit safe
• real-time management of the safe
• for night and day deposit safes
• increased security perception decreasing probabilities for misuse and vandalism
• proof of transactions with printed deposit receipts
• ability for fast and easy settling of responsibility questions through recording of deposit activities

Cinema components
• PIN code operated, electronic deposit gate locking and user identification system
• backup opening with a key
• deposit verification cameras for user, drop mechanism and deposit chamber monitoring
• printer for customer deposit receipts
• deposit management software
• remote access-capability