KONSMETAL-POLTREZOR Sp.j.
Al. Jerozolimskie 103, 02-011 Warszawa tel./fax. +48 22 622-59-68, tel. +48 22 629-80-11

KP Strong Safes grade II, III with ECB- S Certificate

Application:

KP Strong Safes provide a high degree of protection for storing valuables. They are designed to protect cash, checks, promissory notes, stocks and shares, documents and other important and valuable items. KP Strong Safes are usually used in banks, financial institutions and cashier rooms.

Certificates for storing:

- Valuables in accordance with European Standard PN-EN 1143-1, grade II and III with ECB-S Certificate

Product description:

- Multi-layered structure of the body and door with a special filling; body armor thickness - 80mm, door thickness – 150 mm.
- Elaborate bolting system: four horizontal bolts, two vertical bolts, one profiled fixed bolt protecting the door against opening after breaking the hinges.
- Bolts diameter: 30 mm.
- Bolts are moved using a rotary handle.
- Indirect locking system to protect the lock during the attack on the bolts.
- The active system of fuses locking bolts during attack on safe.
- Reinforcements are placed within the door to prevent access to the bolts and acts as a fire protection system.
- The system of protection against drilling bolts.
- The system of protection of the lock against thermal attack.
- The system of protection of the lock against drilling.
- The protection of mechanism even after partial access to the interior of the safe.
- Depending on the user's needs, Strong Safes can be equipped with a high-quality certified lock: key,combination or electronic. There is a possibility of installing any two locks in each device.
- Exterior hinges.
- Door opening angle 195 degrees.
- Doors are not flush with the body.
- Strong Safes are painted with durable powder coatings.
- 24-month guarantee.

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Basic equipment:

- A-grade key lock with two keys (grade II), B-grade key lock with two keys (grade III)
- Shelves with a suspension height adjustment; maximum shelf load - 50kg;
- Clips for shelf mounting;
- Anchoring: perforations in the Strong Safe's bottom;
- Operating manual for the installed combination locks (mechanical, electronic);
- Operating and user's manual including a guarantee certificate.

Additional equipment:

- Third key to the key lock.
- The possibility of installing locks in the following configurations: K, C, E, KK, CK, EK.
- Time delay and silent alarm to electronic lock.;
- Key to change the combination of the installed mechanical combination locks.
- Alarm system output - connection to a building's alarm system (on a lateral wall, on the hinge side).
- Separately lockable internal boxes - additional protection.
- Additional shelves.
- Shock sensors - transmitting signals to the alarm system during a burglary attempt.
- Bolt position sensor - transmitting signals about the door position to the alarm system.
- Expansion anchor for floor mounting Trzeci klucz do zamka kluczowego.

Lock types:

Key Combination Electronic

Standard colors:

- Light grey RAL 7035 (by default, unless another color is indicated in the order).
- Light grey RAL 9002 (must be indicated in the order, no additional cost).
- Black RAL 9005 (must be indicated in the order, no additional cost).

* Any color from the RAL palette to order (powder coated).

Technical data:
Grade II

Model	External dimensions [mm]			Internal dimensions [mm]			Weight [kg]	Volume [l]
	H	W	D	H	W	D		
KP 45/II	450	580	570	290	420	330	180	40
KP 62/II	620	580	570	510	420	330	230	64
KP 85/II	850	580	570	690	420	330	270	96
KP 100/II	1000	580	570	840	420	330	310	116
KP 120/II	1200	580	570	1040	420	330	360	144
KP 150/II	1500	580	570	1340	420	330	430	186
KP 180/II	1800	580	570	1640	420	330	510	227

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Grade III

Model	External dimensions [mm]			Internal dimensions [mm]			Weight [kg]	Volume [l]
	H	W	D	H	W	D		
KP 62/III	620	580	570	510	420	330	310	64
KP 85/III	850	580	570	690	420	330	380	96
KP 100/III	1000	580	570	840	420	330	440	116
KP 120/III	1200	580	570	1040	420	330	460	144
KP 150/III	1500	580	570	1340	420	330	620	186
KP 180/III	1800	580	570	1640	420	330	730	227

Floor mounting:

Strongboxes are mounted to the floor using one steel expansion connector (Fig. 1).

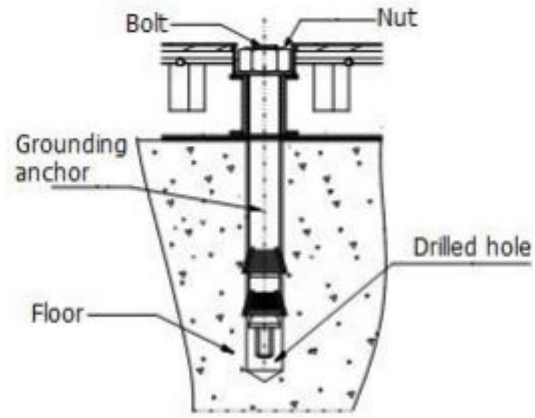

Fig. 1

NOTE: The steel expansion connector should be embedded in the floor at a depth of not less than 130mm, in concrete of at least B15 class.

- **In order to anchor the Strong Safe to the floor, the following steps should be taken:**

1. Place the safe in the final location.Zdjąć zaślepkę z otworu w dnie wyrobu.
2. Remove the plug from the perforation in the Strong Safe bottom.
3. Drill a hole in the floor through the perforation in the device to the depth corresponding with the length of the expansion connector.
4. Place the Strong Safe so that the perforation in its bottom and the hole in the floor coincide.
5. Insert the anchor and fasten the nut. If the connector's bolt protrudes above the bottom of the Strong Safe interior after fastening the nut, loosen the nut, drill the bolt using a screwdriver and fasten the nut again.
6. Cover the perforation with a plug.

- **If the Strong Safe is too small to drill a hole in the floor through the perforation in its bottom (the drill does not fit into the Strong Safe, or for example when internal boxes are present), the following should be done:**

1. Measure the position of the perforation in the Strong Safe
2. Mark the location of the perforation on the floor.
3. Drill a hole in the floor to the depth corresponding with the length of the expansion connector.
4. Place the Strong Safe so that the perforation in its bottom and the hole in the floor coincide.
5. Insert the anchor and fasten the nut. If the connector's bolt protrudes above the bottom of the Strong Safe interior after fastening the nut, loosen the nut, drill the bolt using a screwdriver and fasten the nut again.
6. Cover the perforation with a plug.

Instalattion of the shellves:

- **Procedure for installing a separately lockable internal box in the Strong Safe:**

1. Open the Strong Safe
2. Insert clips, on which the box will be supported, into the perforations on the interior body.
3. Insert the box to the Strong Safe
4. When the box is at the desired height, placed on the clips, drill holes in the wall of the interior body through the perforations in the rear wall of the cache.
5. Rivet the cache to the rear wall of the interior body through the prepared assembly openings.
6. Close the Strong Safe.

Strong Safe operation - opening:

- **Opening devices only equipped with a key lock:**

1. Insert the key to the lock hole.
2. Rotate the key to the right by more than 90° (more than 1/4 of a rotation). Resistance is proof of the lock opening, the key should stay in the lock (the construction of the key lock disables the removal of the key in the lock's open position).
3. Rotate the handle to the left by approx. 30° (1/12 of a rotation). Resistance is proof of unblocking the door's mechanisms.
4. The device is opened after pulling the door outwards.

- **Opening devices only equipped with a combination lock**:

1. Open the combination lock by following the steps described in the attached combination lock manual.
2. Rotate the handle to the left by approx. 30° (1/12 of a rotation). Resistance is proof of unblocking the door's mechanisms.
3. The device is opened after pulling the door outwards.

- **Opening devices equipped with a key and combination lock:**

1. Open the combination lock by following the steps described in the attached combination lock manual.
2. Insert the key to the lock hole.
3. Rotate the key to the right by more than 90° (more than 1/4 of a rotation). Resistance is proof of the lock opening, the key should stay in the lock (the construction of the key lock disables the removal of the key in the lock's open position).
4. Rotate the handle to the left by approx. 30° (1/12 of a rotation). Resistance is proof of unblocking the door's mechanisms.
5. The device is opened after pulling the door outwards.

- **Opening devices equipped with two key locks:**

1. Insert the key to the first lock hole.
2. Rotate the key to the right by more than 90° (more than 1/4 of a rotation). Resistance is proof of the lock opening, the key should stay in the lock (the construction of the key lock disables the removal of the key in the lock's open position).
3. Repeat the procedure to open the second lock.
4. Rotate the handle to the left by approx. 30° (1/12 of a rotation). Resistance is proof of unblocking the door's mechanisms.
5. The device is opened after pulling the door outwards.

Strong Safe operation - closing:

- **Closing devices only equipped with a key lock:**

1. Hold the handle (bolts must be concealed), close the door by pushing it against the Strong Safe body, rotate the handle to the right until resistance is felt, which proves that the door is bolted.
2. Rotate the key to the left by more than 90° (1/4 of a rotation). Resistance is proof of the lock blocking, remove the key, the device is locked.

- **Closing devices only equipped with a combination lock:**

1. Hold the handle (bolts must be concealed), close the door by pushing it against the Strong Safe body, rotate the handle to the right until resistance is felt, which proves that door is bolted.
2. Close the combination lock by following the steps described in the attached combination lock manual.

- **Closing devices equipped with a key and combination lock:**

1. Hold the handle (bolts must be concealed), close the door by pushing it against the Strong Safe body, rotate the handle to the right until resistance is felt, which proves that door is bolted.
2. Rotate the key to the left by more than 90° (above 1/4 of a rotation). Resistance is proof of the lock blocking, remove the key, the device is locked.
3. Close the combination lock by following the steps described in the attached combination lock manual.

- **Closing devices equipped with two key locks:**

1. Hold the handle (bolts must be concealed), close the door by pushing it against the Strong Safe body, rotate the handle to the right until resistance is felt, which proves that door is bolted.
2. Rotate the key of any lock to the left by more than 90° (above 1/4 of a rotation). Resistance is proof of the lock blocking, remove the key, the device is locked.
3. Repeat the procedure to block the second lock - the device is locked.

Separately lockable internal box operation:

- **Box opening:**

1. Insert the key to the lock and turn it to the right by more than 90° (above 1/4 of a rotation).
2. Box is opened after pulling the door outwards.

- **Box closing:**

1. Push the door against the box body.
2. Rotate the key of any lock to the left by more than 90° (above 1/4 of a rotation). Resistance is proof of the lock blocking, remove the key, the device is locked.

Operation:

- Products should be used in rooms protected against weather conditions, away from substances that may cause metal corrosion. Relative humidity in the room should not exceed 75%. The device may work in rooms where temperature ranges from +5°C to +40°C.
- When closing or opening the safe, attention should be paid to movable elements: drawers, doors. When used inappropriately, these elements may cause injuries, e.g. finger injuries when fingers are left between the drawer and the body or between the door and the body of the safe.
- Attention should be paid to the location of the bolts during door closure. Bolts must be concealed to avoid damaging the mechanisms.
- No tinkering with the locks or mechanisms is allowed, under consequence of voiding the warranty.
- Only authorized service personnel or a user with a written approval of the service is allowed to install locks and mechanisms within the warranty period.
- If keys need to be changed, replacing the entire lock is recommended.
- Attention should be paid to the appropriate location of the safe, as to ensure uninterrupted opening of the safe's door.
- Bolting mechanisms and locks should work smoothly and without jamming. In the case of any reservations regarding the operation of these items, problems should be reported to KONSMETAL service.
- Any doubts concerning the delivered product should be reported to KONSMETAL service.
- No modifications without the approval of the manufacturer are recommended, even after the expiry of the warranty period.

Maintenance:

- **Door:** Lubricating hinges with a bearing grease is recommended as needed, but not less than once every three years. All joints and friction parts of the mechanisms should be lubricated using acid-free industrial-grade petroleum, once every three years.
- **Body:** In principle, the safe's body requires no special maintenance. Basic maintenance includes cleaning the safe's body. This should be done using a soft cloth rinsed with a mild detergent. The cleaned surface should be wiped dry.