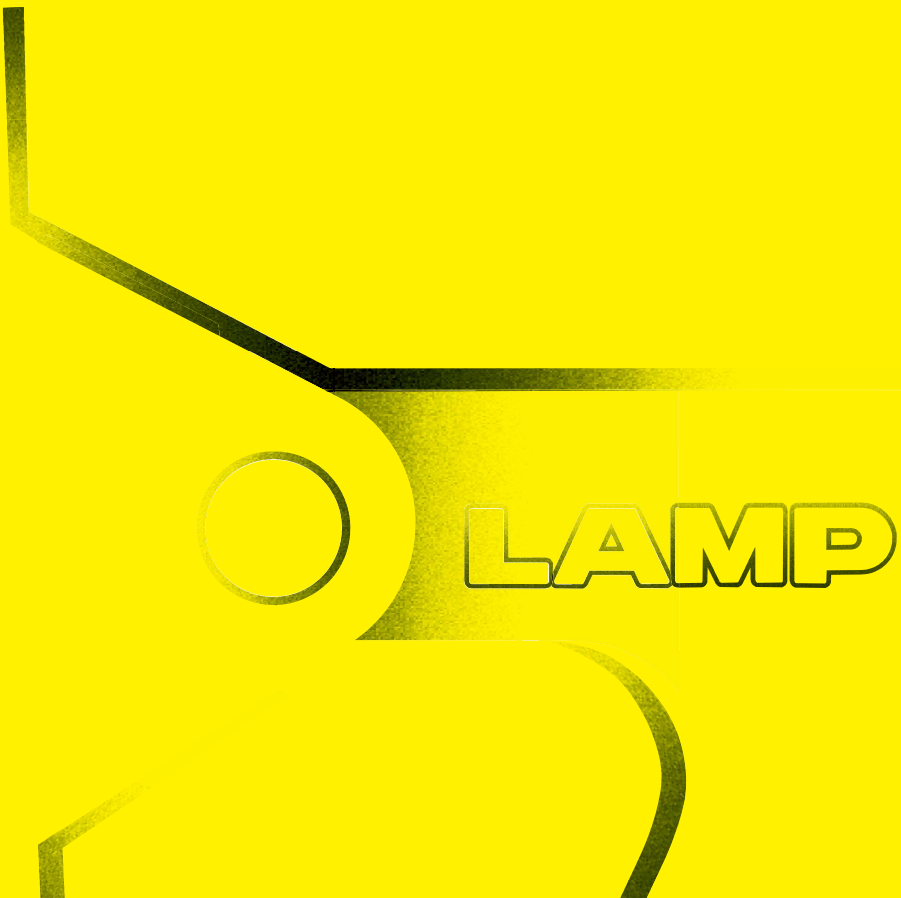
SUGATSUNE

# Industrial Component Hardware




June 2022

No.400

INDEX

HINGES
LID SUPPORTS
CATCHES, LATCHES & FASTENERS
DRAWER SLIDES
HANDLES, PULLS & KNOBS
HOOKS & BRACKETS
MONITOR MOUNTS
CABINET DOOR HARDWARE & SHUTTER DOORS
LOCKS
CASTERS
LEVELLING GLIDES & BASE
MISCELLANEOUS

Motion Design Tec

LAMP®

# LOCKS

Locks are fittings used to secure sensitive areas. Sugatsune offers a wide range of locks of various sizes, with different security levels as well as for various applications.

[Total lock system]
The total lock system allows you to have a unique key to open several types of locks within this series. Master key systems are also available.

[Cam locks]
A wide variety of cam locks, including stainless steel, are available for metal sheet, wood and glass applications. Some locks can also be modified in order to better suit your needs.

[Glass locks]
From tablet holders, to assembly lines, vending machines or gaming applications, the Sugatsune range of glass locks is truly extensive.

SUGATSUNE

June 2022

## [Cautions]

- Do not apply excessive load on the cam and do not attempt to force the key to turn.
- Do not attempt to turn the key unless it is fully inserted in the lock.
- Removal of the key should only be done in the locked position. Some locks also allow removal in the open position as well.
- When tightening the cam hexagonal nut, insert the key in the lock and hold the cam, in order to avoid breaking the lock pin.
- Most locks parts and made of zinc alloy or brass. Their service life might therefore be reduced when exposed to corrosive environments such as spa or seaside locations.
- We recommend a regular lubrication of the locks, using specific lubricant such as Teflon or graphite based ones.
- Please consult Sugatsune for specific key numbers and combinations before making the final key plan.

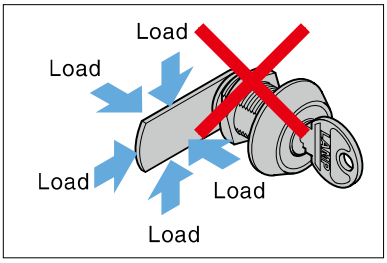



Fig.1

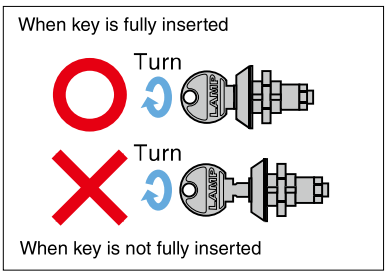



Fig.2

## [Key Alike and Key Different]

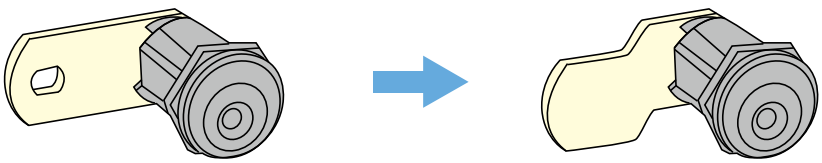
- Locks have two types: Key alike and key different. Key alike indicates identical key number of multiple locks. Key different indicate different key numbers of multiple locks.
- If ordering 3 locks for 3 different keys with the numbers of A, B and C, key alike will be A, A, A (or B, B, B or C, C, C), while key different will be A, B, C.
- Locks with key alike are suitable for places (like dustbins at the station) where the worker wants to unlock multiple locks with one key; While locks with key different cannot be unlocked with the same key, suitable for places (like lockers) where strict security management is required.
- For the locks herein, to differentiate the types with key alike from those with key different, the item name of a lock with key alike is suffixed with “-D”, while that of a lock with key different is suffixed with “-B”.
- For key numbers and their combination, please consult us before determining specifications.

## [Exclusive Number]

- Exclusive key numbers not overlapping with other customers are available depending on the products. Please consult us for made to order.

## Sugatsune Also Offers Made-to-order Products!

### Example of Specification Change



Cam shape or length change, etc.

For OEM and ODM request form with required items at consultation, refer to ▸ P.1047~P.1049

# INDEX by Series (Total Lock Series)

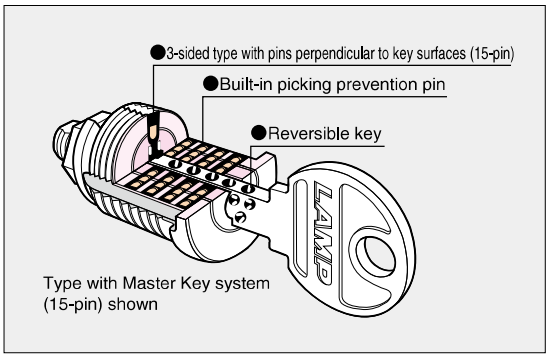
In the same series, locks for various cabinets can be managed collectively by one key.

## Million Lock Series

All locks in this series can be opened with a single key. Moreover all keys are reversible dimple type, making them difficult to duplicate, or the locks difficult to pick. A maximum of 1 million key numbers are available (except for the 1300SK melamine door lock). Master key system is also available, with a maximum of 2,520 key numbers per master key.

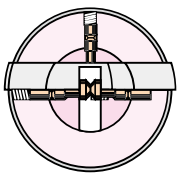
| Picture | Product Name | Applicable Cabinet | Cylinder Diameter (Bore Diameter) | Door Thickness |
|---|---|---|---|---|
|  | Cam Lock 900 P.853 | Sheet Metal Swing Door | (ϕ19.1) Width Across Flats 15.9 | 0.8~8 |
|  | Glass Door Cam Lock 1310GL P.859 | Glass Single Swing Door | (ϕ20) | 5~8 |
|  | Glass Door Cam Lock 1300GL P.859 | Glass Single Swing Door | (ϕ20) | 5~8 |

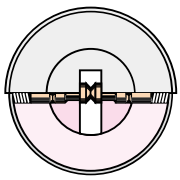
| Picture | Product Name | Applicable Cabinet | Cylinder Diameter (Bore Diameter) | Door Thickness |
|---|---|---|---|---|
|  | Push Lock 2300M P.864 | Sheet Metal/ Wooden Double Sliding Door | ϕ16 (ϕ24) | 30 |
|  | Cabinet Lock 7810W P.868 | Double Swing Door | ϕ22 | 22~24<br>28~30<br>34~36 |
|  | Cam Lock 1300SK P.872 | Melamine Swing Door | (ϕ20) | 13 |



Type with Master Key system (15-pin) shown

- Types with master key system and types with grand master key system by made to order also available.
- Noted that the structure is different from interchangeable cylinder lock series and they are not compatible.


With master key system (15-pin)


Without master key system (10-pin)

## 2100 Lock Series

Keys can be shared with the same series.12 key changes available.

| Picture | Product Name | Applicable Cabinet | Cylinder Diameter (Bore Diameter) | Door Thickness |
|---|---|---|---|---|
|  | Glass Door Cam Lock 2100GL P.860 | Glass Single Swing Door | (ϕ19) | 4~6 |
|  | Glass Door Cam Lock 2100GLK P.860 | Glass Single Sliding Door | ϕ20 (ϕ19) | 4~6 |
|  | Glass Door Lock MKL-2100-D P.861 | Glass Single Swing Door | ϕ18.6 | 5~8 |
|  | Push Lock 2100B P.862 | Sheet Metal Double Sliding Door | ϕ18.6 | 20 |

| Picture | Product Name | Applicable Cabinet | Cylinder Diameter (Bore Diameter) | Door Thickness |
|---|---|---|---|---|
|  | Push Lock 2110B P.862 | Sheet Metal Double Sliding Door | ϕ18.6 | 20 |
|  | Push Lock 2110M P.864 | Wooden Double Sliding Door | ϕ18.6 | 20 |
|  | Push Lock 2100M P.865 | Wooden Double Sliding Door | ϕ18.6 | 20<br>25 |

# INDEX by Type

## Cam Locks P.852~

Ideal for sheet metal swing doors of vending machine, ATM, game machine, coin locker, and mail box, etc



Security Cam Lock
NO990
(P.852)



Cam Lock
920BS
(P.853)



Cam Lock
NAL
(P.856)

## Dial Locks P.858

Dial lock without need of key.



Cabinet Lock With Dial
DIT-19
(P.858)

## Glass Door Locks P.859~

Types for single swing door, double swing door, single sliding door and double sliding door are available.



Glass Door Cam Lock
1310GL
(P.859)

## Cabinet Door Locks P.864~

Types for drawer, swing door and double sliding door are available.



Cabinet Lock with Indicator
2200QL
(P.867)

## Other Locks P.872~

Locks for storage boxes, padlocks are available.



High Security Padlock
PWL
(P.873)

## Cam Locks P.852~

| Picture | Product Name | Key Changes |
|---|---|---|
|  | Security Cam Lock NO990 Magnet Embedded Key Type P.852 | 40,000 |
|  | Cam Lock 920BS With Hole Shutter P.853 | Max. 3,200 |
|  | Million Lock Cam Lock 900 P.853 | Max. 1 million |
|  | Stainless Steel Cam Lock 3800S P.854 | 300 |
|  | Cam Lock SN-711-8-D P.854 | Max. 1,500 |
|  | Cam Lock CLI-31 Clip-on Installation P.855 | 108 |

| Picture | Product Name | Key Changes |
|---|---|---|
|  | Cam Lock DIS-022R-D P.855 | 1 |
|  | Cam Lock 910MS P.856 | Max. 47,000 |
|  | Cam Lock NAL P.856 | 5,000 |
|  | Mini Cam Lock NAL-XS Ultra Compact P.857 | 10 |
|  | Mini Cam Lock NAL-S P.857 | 25 |

## Dial Locks P.858

| Picture | Product Name | Key Changes |
|---|---|---|
|  | Cabinet Lock With Dial DIT-19 Clip-on Installation P.858 | 4 Digits |

## Glass Door Locks

P.859~

| Picture | Product Name | Key Changes |
|---|---|---|
|  | Million Lock Glass Door Cam Lock 1310GL P.859 | Max. 1 million |
|  | Million Lock Glass Door Cam Lock 1300GL P.859 | Max. 1 million |
|  | Glass Door Cam Lock 2100GL 2100 Lock Series P.860 | 12 |
|  | Glass Door Cam Lock 2100GLK 2100 Lock Series P.860 | 12 |
|  | Glass Door Lock MKL-2100-D 2100 Lock Series P.861 | 1 |
|  | Push Lock 2100B 2100 Lock Series P.862 | 12 |
|  | Push Lock 2110B 2100 Lock Series P.862 | 12 |
|  | Push Lock 2150B, 2160B P.863 | 24 |
|  | Glass Door Lock 6300-D P.863 | Max. 96 |
|  | Million Lock Push Lock 2300M P.864 | Max. 1 million |
|  | Push Lock 2400M P.865 | Max. 47,000 |

## Cabinet Door Locks

P.864~

| Picture | Product Name | Key Changes |
|---|---|---|
|  | Million Lock Push Lock 2300M P.864 | Max. 1 million |
|  | Push Lock 2110M 2100 Lock Series P.864 | 12 |
|  | Push Lock 2400M P.865 | Max. 47,000 |
|  | Push Lock 2100M 2100 Lock Series P.865 | 12 |
|  | Stainless Steel Cabinet Lock 3810S P.866 | 12 |
|  | Cabinet Lock with Indicator 2200QL 2200 Lock Series P.867 | 300 |

## Cabinet Door Locks

| Picture | Product Name | Key Changes |
|---|---|---|
|  | Million Lock Cabinet Lock 7810W For Double Swing Door / Drawer Interlocking Type P.868 | Max. 1 million |
|  | Cabinet Lock 8810 With Key Number Change System P.869 | Max. 3 million |
|  | Cabinet Lock 6830-30MK Interchangeable Cylinder Lock Series P.870 | Max. 7,800 |
|  | Cabinet Lock 5830 P.871 | 3,120 |
|  | Million Lock Cam Lock 1300SK P.872 | Max. 1 million |

## Other Locks

P.872~

| Picture | Product Name | Key Changes |
|---|---|---|
|  | Stainless Steel Door Chain CS P.872 | – |
|  | Box Latch with Lock BL-70Y P.873 | 5 |
|  | High Security Padlock PWL P.873 | Max. 110 |

# SECURITY CAM LOCK NO990 Magnet Embedded Key Type






Without ring (Made to order)

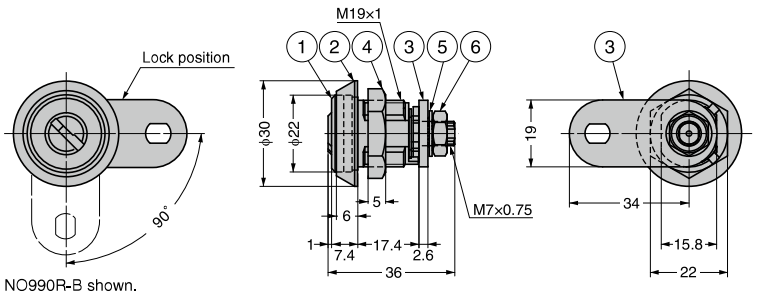
- Cam lock with pin cylinder using the repulsive force of the magnet.
- Specially designed key with magnet prevents from lock-picking and duplication of the key.
- Key can only be removed only when locked (90° clockwise rotation), in order to ensure that the application is properly locked.
- With/without drill-protection cover available.
- Max. 40,000 key changes available.
- Lock without ring can be made to order.
- Compliant with Japan Vending Machine Manufactures Association Standard (JVMA1001).

**[Applications]**

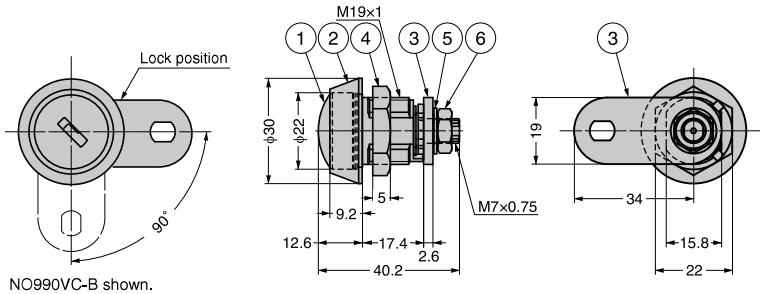
- Vending machine, ATM, automatic fare adjustment machine, etc.

**[Remarks]**

- Be sure to read the "Cautions" 1.
- Do not apply strong magnetic force to the lock body or key.
- Without Master Key.
- Use the recommended tightening torque for installation. Please use screw adhesive when tightening.
  Recommended tightening torque:
  Mounting nut ④ 294~343N・cm (30~35kgf・cm)
  Cam nut ⑥ 196~245N・cm (20~25kgf・cm)

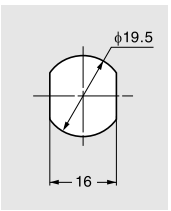



NO990R-B shown.

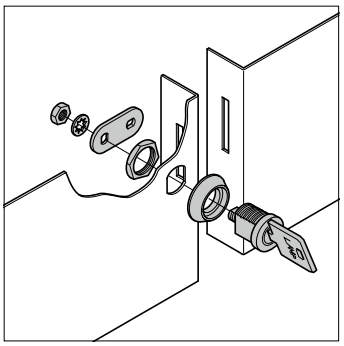


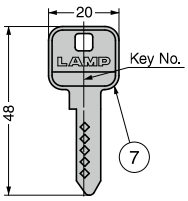

NO990VC-B shown.

**[Cut Out Dimensions]**




**[Installation]**






| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Ring | NO990R-B : Brass<br>NO990VC-B: Zinc Alloy (ZDC) | |
| ③ | Cam | Steel (SPCC) | Coloured Zinc Chromate (Trivalent) |
| ④ | Nut M19×1 | Zinc Alloy (ZDC) | Clear Zinc Chromate (Trivalent) |
| ⑤ | Washer for M7 | Steel | Coloured Zinc Chromate (Trivalent) |
| ⑥ | Nut M7×0.75 | | |
| ⑦ | Key | Brass/Ferrite | Nickel |

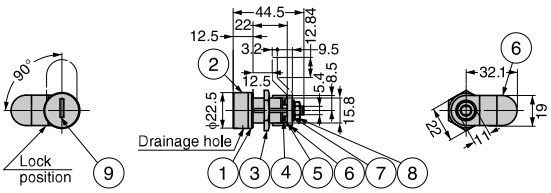
| RoHS | CAD | Item Code | Item Name | Key Type | Drill-Protection Cover | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-013-020 | NO990R-B | Key Different | Without | 0.8~8 | 103 | 25 | 100 |
| G | 3D | 150-013-019 | NO990VC-B | | With | | 109 | 25 | 100 |

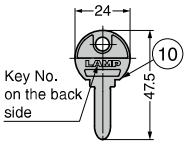
※Limited stock available. Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

Refer to 1 : P.848

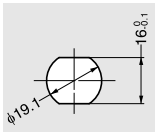
# CAM LOCK 920BS With Hole Shutter





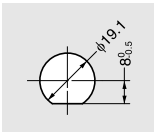




[Cut Out Dimensions]




Standard type

[Cut Out Dimensions]




Master Key system type
(Made to order)

- Cylinder lock with key hole shutter.
- Reversible key can be removed when locked (90° rotation). In order to ensure that the application is properly locked.
- 3,200 key changes available. Master Key system available at surcharge. (Max. 120 key changes/Master Key.)
- Cam can be changed to straight type at surcharge.

**[Applications]**
- Mailbox, etc.

**[Remarks]**
- Be sure to read the "Cautions" 1.
- Place drainage hole in downward.
- Key number is stamped on the screw part of the body.

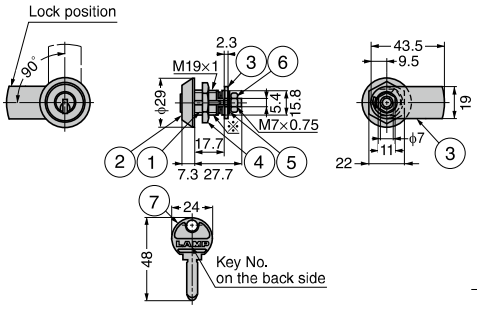
| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Cover | | |
| ③ | M19 Hex Nut | Steel (SS) | Coloured Zinc Chromate (Trivalent) |
| ④ | Ring | Stainless Steel | – |
| ⑤ | Revolving Part | Steel (SPCC) | Coloured Zinc Chromate (Trivalent) |
| ⑥ | Cam | | |
| ⑦ | Washer | Steel | |
| ⑧ | M7 Hex Nut | Steel (SS) | |
| ⑨ | Shutter | Stainless Steel | – |
| ⑩ | Key | Brass | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-025-144 | 920BS-B | Key Different | 0.8~12 | 97.4 | 12 | 60 |
| – | 3D | 150-001-237 | 920BS-D | Key Alike | | | 12 | 60 |

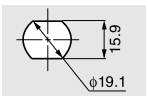
Refer to 1 : P.848

# MILLION LOCK CAM LOCK 900



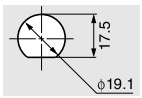



[Cut Out Dimensions]



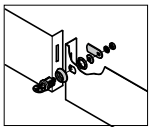

Standard type

[Cut Out Dimensions]




Master Key system type

[Installation]



- Suitable for vending machine, ATM and coin locker, etc.
- Reversible key can be removed when locked (90° rotation). In order to ensure that the application is properly locked.
- 1 million key changes available. Master Key system available at surcharge. (Max. 2,520 key changes/Master Key.)
- Other shapes of cam can be made to order.
- Keys can be shared with Million Lock series 1.

**[Remarks]**
- Be sure to read the "Cautions" 2.
- Key number is stamped on the screw part (※ marked on left drawing) of the body .

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Ring | | |
| ③ | Cam | Steel (SPCC) | Coloured Zinc Chromate |
| ④ | Hex Nut | Steel (SS) | |
| ⑤ | Washer | Steel | Nickel |
| ⑥ | Hex Nut | Steel (SS) | Coloured Zinc Chromate |
| ⑦ | Key | Brass | Nickel |

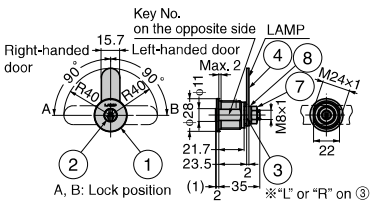
| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-060-247 | 900-B | Key Different | 0.8~8 | 120 | 12 | 60 |
| – | 3D | 150-001-080 | 900-D | Key Alike | | | 12 | 60 |

Refer to 1 : P.849, 2 : P.848

# STAINLESS STEEL CAM LOCK 3800S

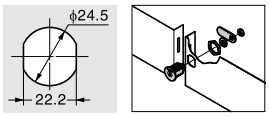
INSTRUCTION SUS

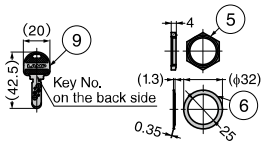





- Nickel silver key with excellent corrosion and abrasion resistance.Durability with thick cam.
- Non-handed.
- Reversible key can be removed when locked (90° rotation). In order to ensure that the application is properly locked.
- 300 key changes available.
- Master Key system (300 key changes) available at surcharge. (1 Master Key only.)
- Cabinet lock 3810S 1 of the same material also available.

[Cut Out Dimensions] [Installation]



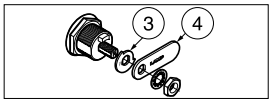




**[Remarks]**
- Be sure to read the "Cautions" 2.
- Not waterproof.

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Cylinder (Outer) | Stainless Steel (SUS303) | Satin |
| ② | Cylinder (Inner) | | 2B Finish |
| ③ | Cylinder Cam | Stainless Steel (SUS304) | |
| ④ | Cam | | |
| ⑤ | Nut (for Installing the Body) | Stainless Steel (SUS303) | Plain |
| ⑥ | Washer (for Body) | Stainless Steel (SUS304) | |
| ⑦ | Nut (for Installing the Cam) | Stainless Steel | |
| ⑧ | Washer | Stainless Steel (SUS304) | |
| ⑨ | Key | Nickel Silver | |
| – | Key Ring | Stainless Steel (SUS304) | |

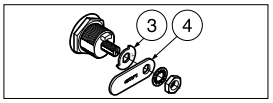
※Cylinder pin is made of brass.

**[Installing to Right-handed Door]**




After installation, ensure that the "R" mark on cylinder cam and the "LAMP" mark on cam are in normal direction (as seen from the back of lock).

**[Installing to Left-handed Door]**




After installation, ensure that the "L" mark on cylinder cam is in normal direction and the "LAMP" mark on cam is reversed (as seen from the back of lock).

| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-012-921 | 3800S-B | Key Different | 2~10 | 120 | 12 | 60 |
| G | 3D | 150-001-368 | 3800S-D | Key Alike | | | 12 | 60 |

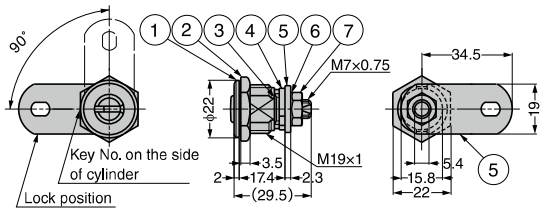
Refer to 1 : P.866, 2 : P.848

# CAM LOCK SN-711-8-D

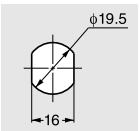


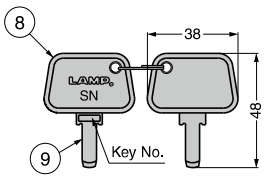

- Ideal for vending machine, ATM and game machine, etc.
- Reversible key can be removed when locked (90° rotation). In order to ensure that the application is properly locked.
- 1 Key Alike available. For Key Different, Max. 1,500 key changes available by made to order.

**[Remarks]**
- Be sure to read the "Cautions" 1.




[Cut Out Dimensions]




| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Large Hex Nut | Steel (SUM) | Coloured Zinc Chromate |
| ③ | Ring | Stainless Steel (SUS304) | Plain |
| ④ | Angle Restricting Cam | Steel (SPCC) | Clear Zinc Chromate |
| ⑤ | Cam | | |
| ⑥ | Washer | Steel (SUP) | |
| ⑦ | Small Hex Nut | Steel (SWRM) | Coloured Zinc Chromate |
| ⑧ | Cover | ABS | Black |
| ⑨ | Key | Brass | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-001-391 | SN-711-8-D | Key Alike | 0.1~9 | 77 | 100 | 400 |

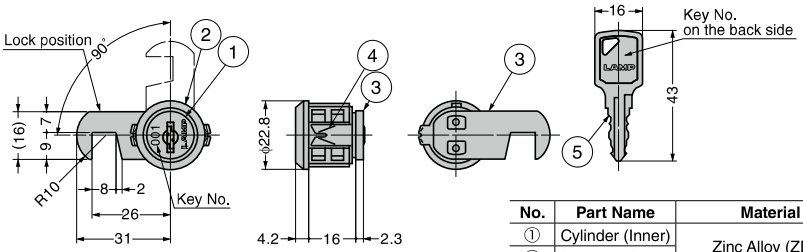
Refer to 1 : P.848

# CAM LOCK CLI-31 Clip-on Installation

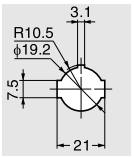


- Easy installation by one-touch.
- Key is removable in locked position only (90˚ rotation). In order to ensure that the application is properly locked.
- Types applicable for door thicknesses other than 0.8mm also available by made to order.
- 108 key changes available.

**[Remarks]**
- Be sure to read the "Cautions" 1.
- Cam caulked to the body cannot be removed.
- For sheet metal use.Please contact local representatives when installing to resin board.




[Cut Out Dimensions]




| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Cylinder (Inner) | Zinc Alloy (ZDC) | Dull Chrome |
| ② | Cylinder (Outer) | | |
| ③ | Cam | Steel (SPCC) | Coloured Zinc Chromate (Trivalent) |
| ④ | Clip | Stainless Steel (SUS304) | – |
| ⑤ | Key | Brass | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | When Unlocked | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-014-155 | CLI-31-B | Key Different | 0.8 | Key is not removal | 58 | 27 | 216 |
| G | 3D | 150-001-372 | CLI-31-D | Key Alike | | | | 27 | 216 |

Refer to 1 : P.848

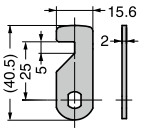
# CAM LOCK DIS-022R-D



- Thin cylinder lock with dimple key.
- Reversible key can be removed when locked and unlocked (90˚ rotation).

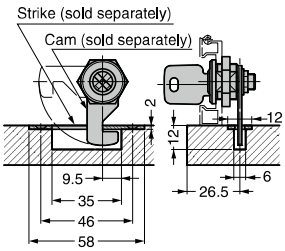
**[Remarks]**
- Be sure to read the "Cautions" 1.
- Cam and strike are sold separately.Please order them separately.

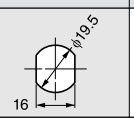
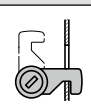
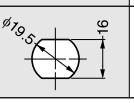
**[Sold Separately]**
- Stainless cam DIS-010
- Stainless strike DIS-011




Cam (sold separately)

**[Installation]**

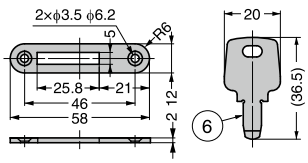


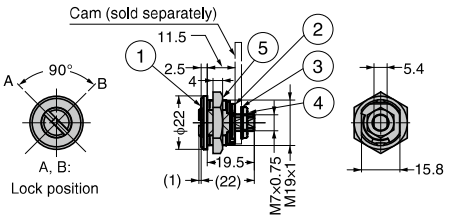

| Cut Out Dimensions | Lock Position |
|---|---|
|  |  |
|  |  |





Strike (sold separately)




**[Body]**

| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-001-374 | DIS-022R-D | Key Alike | Max. 5 | 50 | 50 | – |

**[Cam] Sold Seperately**

| RoHS | CAD | Item Code | Item Name | Material | Finish | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | 3D | 180-018-598 | DIS-010 | Stainless Steel (SUS304) | Barrel Polished | 7 | 500 | – |

**[Strike] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Material | Finish | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | 3D | 180-018-599 | DIS-011 | Stainless Steel (SUS304) | Barrel Polished | 7 | – | 1 |

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Angle Restricting Cam | Steel (SPCC) | Coloured Zinc Chromate (Trivalent) |
| ③ | Washer | Steel | |
| ④ | M7 Hex Nut | | |
| ⑤ | M19 Hex Nut | Zinc Alloy (ZDC) | |
| ⑥ | Key | Brass | Nickel |

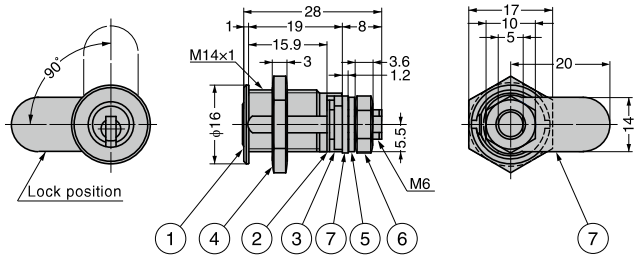
Refer to 1 : P.848

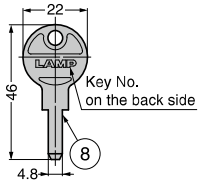
# CAM LOCK 910MS



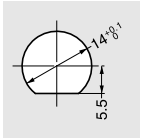
- Small cylinder lock with dimple key.
- Reversible key can be removed when locked (90˚ rotation). In order to ensure that the application is properly locked.
- 47,000 key changes available. Master Key system available at surcharge. (Max. 1,000 key changes/Master Key.)

**[Remarks]**
- Be sure to read the “Cautions” 1.
- Key number is stamped on the screw part (lower side) of the body.




[Cut Out Dimensions]




| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Ring | Steel | Phosphated Treatment |
| ③ | Angle Restricting Cam | Steel (SPCC) | Coloured Zinc Chromate (Trivalent) |
| ④ | M14 Hex Nut | Steel (S20C) | |
| ⑤ | Washer | Steel | |
| ⑥ | M6 Hex Nut | Steel (S20C) | |
| ⑦ | Cam | Steel (SPCC) | |
| ⑧ | Key | Brass | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-025-141 | 910MS-B | Key Different | 0.8~12 | 25.5 | 12 | 60 |
| – | 3D | 150-001-238 | 910MS-D | Key Alike | | | 12 | 60 |

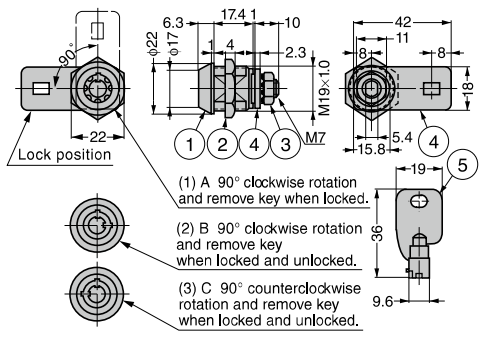
Refer to 1 : P.848

# CAM LOCK NAL

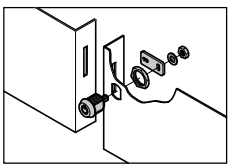


- Suitable for vending machine, parking meter, game machine, and coin locker, etc.
- Key removing angle: (1) rotate clockwise by 90˚ and remove when locked (2) rotate clockwise by 90˚ and remove when locked and unlocked ※ (3) rotate counterclockwise by 90˚ and remove when locked and unlocked ※ (※ made to order)
- Key is removable only in locked position (90˚ rotation). In order to ensure that the application is properly locked.
- 5,000 key changes available.

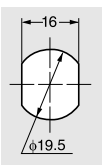
**[Remarks]**
- Be sure to read the “Cautions” 1.
- Spring works key to pull back. Push the key tightly and turn to lock and unlocked.




[Installation]



[Cut Out Dimensions]



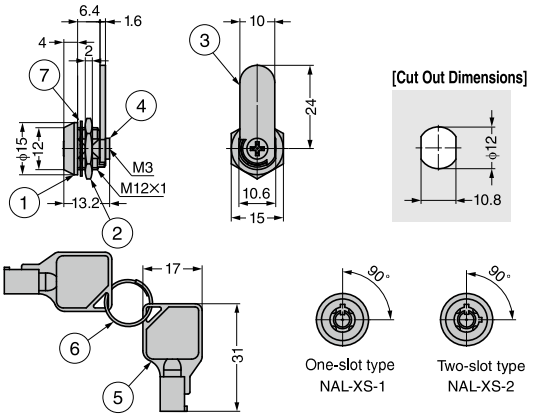

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Hex Nut | Zinc Alloy (ZDC) | Coloured Zinc Chromate (Trivalent) |
| ③ | | Steel (SWRCH) | |
| ④ | Cam | Steel (SPCC) | |
| ⑤ | Key | | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-061-067 | NAL-B | Key Different | 19 (width: 15.8) | Max. 10 | 55 | 100 | 300 |
| – | 3D | 150-001-399 | NAL-D | Key Alike | | | | 100 | 300 |

Refer to 1 : P.848

# MINI CAM LOCK NAL-XS Ultra Compact






Refer to 1 : P.848

- Ultra compact type of only 13.2mm thick maximises space inside of cabinet.
- Ideal for coin-operated devices such as vending machine, ATM, and game machine, etc.
- NAL-XS-1: Key is removable in locked position only. (In order to ensure that the application is properly locked.)
  NAL-XS-2: Key is removable in both locked and unlocked positions.
- Cam is reversible (clockwise rotation at delivery).
- 1 Key Alike available. Key different is also available (10 key changes).

**[Remarks]**

- Be sure to read the "Cautions" 1.
- Spring works key to pull back. Push the key tightly and turn to lock and unlocked.
- Do not use at places subject to frequent vibrations. Otherwise, the hexagonal nuts may loosen.

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Chrome |
| ② | Hex Nut | Steel | Clear Zinc Chromate (Trivalent) |
| ③ | Cam | | Chrome |
| ④ | Screw (for Installing Cam) | | Clear Zinc Chromate (Trivalent) |
| ⑤ | Key | Steel/Brass | Chrome / – |
| ⑥ | Key Ring | Stainless Steel (SUS304) | – |
| ⑦ | Washer | Steel | Clear Zinc Chromate (Trivalent) |

| RoHS | CAD | Item Code | Item Name | Slots | Key Type | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-034-270 | NAL-XS-1-B | One Key | Key Different | 21 | 100 | 500 |
| G | 3D | 150-001-375 | NAL-XS-1-D | | Key Alike | | 100 | 500 |
| G | 3D | 150-034-272 | NAL-XS-2-B | Two Key | Key Different | | 100 | 500 |
| G | 3D | 150-001-376 | NAL-XS-2-D | | Key Alike | | 100 | 500 |

Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

# MINI CAM LOCK NAL-S

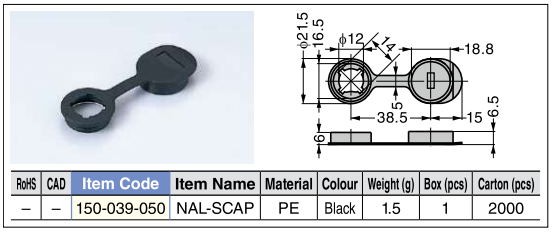



- Ideal for coin-operated devices such as vending machine, ATM, and game machine, etc.
- NAL-S-1: Key is removable in locked position only. (In order to ensure that the application is properly locked.)
  NAL-S-2: Key is removable in both locked and unlocked positions.
- Cam is reversible (clockwise rotation at delivery).
- 1 Key Alike available. Key different is also available (25key changes).

**[Remarks]**

- Be sure to read the "Cautions" 1.
- Spring works key to pull back. Push the key tightly and turn to lock and unlocked.

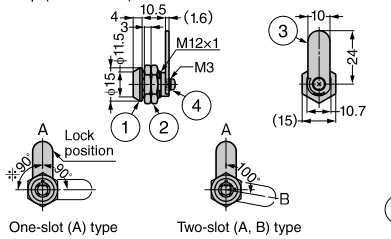
**[Cap] Sold Separately**




| RoHS | CAD | Item Code | Item Name | Material | Colour | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | – | 150-039-050 | NAL-SCAP | PE | Black | 1.5 | 1 | 2000 |

**[Sold Separately]**

- Cap (NAL-SCAP)




| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy | Chrome |
| ② | Hex Nut | Steel | Clear Zinc Chromate (Trivalent) |
| ③ | Cam | | Chrome |
| ④ | Screw (for Installing Cam) | | Clear Zinc Chromate (Trivalent) |
| ⑤ | Key | | Chrome |

| RoHS | CAD | Item Code | Item Name | Slots | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-034-274 | NAL-S-1-B | One Key | Key Different | Max. 2 | 25 | 100 | 500 |
| G | 3D | 150-001-393 | NAL-S-1-D | | Key Alike | | | 100 | 500 |
| G | 3D | 150-034-275 | NAL-S-2-B | Two Key | Key Different | | | 100 | 500 |
| G | 3D | 150-001-392 | NAL-S-2-D | | Key Alike | | | 100 | 500 |

Refer to 1 : P.848

Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

# CABINET LOCK WITH DIAL DIT-19 Clip-on Installation

INSTRUCTION



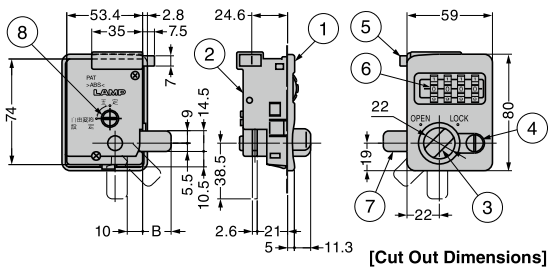
Search key DIT-SK (sold separately)

- Turn the dial to lock/unlock.
- Able to switch to Changing Mode or Fixing Mode:
  Changing Mode - Changing the key number according to users.
  Fixing Mode - Applied the same number as registered.
- One-touch installation.
- Possible to search the number to unlock with Search Key (sold separately).
- Case with latch.
- Possible to engrave any number on body above the dial.

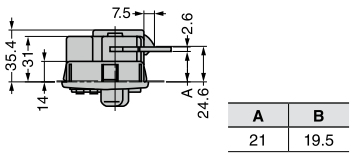
**[Applications]**
- Lockers in public space, etc.

**[Remarks]**
- For setting work, turn the dial to the password being used and open the door.
- First dial number is "0000".
- For security, please turn all dials when locking.
- Adjust number along the centre line to avoid malfunction.
- Adjust number along the centre line to avoid malfunction.
- For sheet metal use. Bracket (for door thickness 8~18mm) available by made to order when installing to wood board.

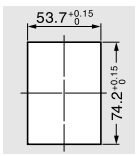
**[Sold Separately]**
- Search key DIT-SK



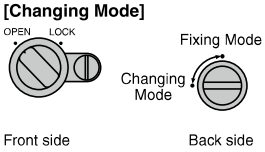

**[Cut Out Dimensions]**



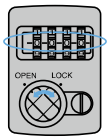

| A | B |
|---|---|
| 21 | 19.5 |




**[Changing Mode]**

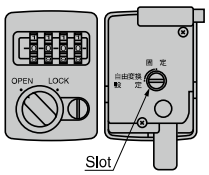



1. Turn the knob to "OPEN" on front side. Turn the slot to "Changing Mode" on back side.

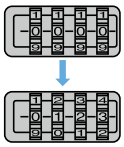



2. Set new number and turn the knob to "LOCK" on front side.

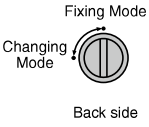
**[Fixing Mode]**




1. Turn the knob to "OPEN" on front side. Turn the slot to "Changing Mode" on back side.



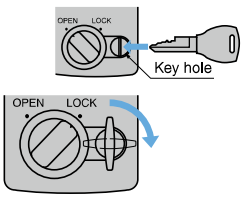
2. Set new number.



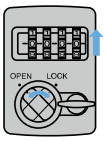

3. Turn the slot to "Fixing Mode" on back side.

※Before setting new number, please open the door.

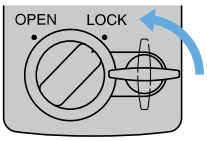
**[How to Search Dial Number] Using Search Key**



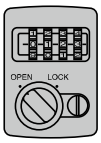

1. Insert Search Key and turn clockwise.




2. Turn each dials till click (the number clicked is your dial number).
※Do not turn the dial with excessive force.




3. Turn Search Key counterclockwise and remove.




4. Turn the knob to "OPEN" to unlock.

| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Body | ABS | White |
| ② | Case | | |
| ③ | Knob | | |
| ④ | Cover | | |
| ⑤ | Latch | POM | |
| ⑥ | Dial | PC | – |
| ⑦ | Cam | Steel (SPCC) | Coloured Zinc Chromate |
| ⑧ | Switching Shaft | PC | – |

**[Body]**

| RoHS | CAD | Item Code | Item Name | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|
| – | 3D | 150-014-156 | DIT-19 | 0.8 | 162 | 1 | 80 |

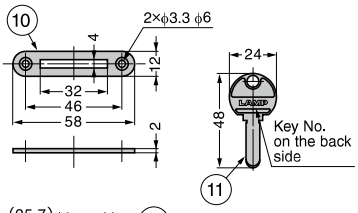
**[Search Key] Sold Separately**

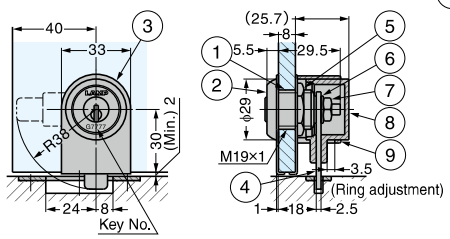
| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | 3D | 150-014-157 | DIT-SK | 11 | 1 | – |

# MILLION LOCK GLASS DOOR CAM LOCK 1310GL

TEMPERED GLASS





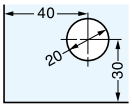




- For single door application.
- Black chrome finish is newly launched.
- Turn reversible key clockwise by 90° to unlock (cam also rotates by 90°).
  Key is removable in locked position only.
- 1 million key changes available.
  Master Key system available at surcharge. (Max. 2,520 key changes/Master Key.)
- Keys can be shared with Million Lock series 1.
- Glass door hinges GH-450 and GH-450G matching with the finish of this product also available.
- Million lock series glass door cam lock 1310GLW of the same design also available.

**[Remarks]**
- Be sure to read the "Cautions" 2.
- Cam direction is not changable.

**[Parts Included]**
- Countersunk head wood screw 2.7×13 (SUS)

**[Cut Out Dimensions]**




| No. | Part Name | Material | Finish/Colour | | | |
|---|---|---|---|---|---|---|
| | | | SN | CR | GC | BL |
| ① | Body | Brass | Satin Nickel | Chrome | 24K | Black Chrome |
| ② | Ring | | | | | |
| ③ | Plate | Stainless Steel (SUS304) | Satin | Polished | | |
| ④ | Cam | | Plain | | | |
| ⑤ | Hex Nut | Steel (SS400) | Special Anti-rust Painting/Silver | | | |
| ⑥ | Washer | Stainless Steel (SUS304) | | | | |
| ⑦ | Hex Nut | Steel (SS400) | | | | |
| ⑧ | Cover | PP | Black | | | |
| ⑨ | Ring | | | | | |
| ⑩ | Strike | Stainless Steel (SUS304) | Polished | | 24K | Black Chrome |
| ⑪ | Key | Brass | Nickel | | | |

※③ includes one convex plate and one concave plate.

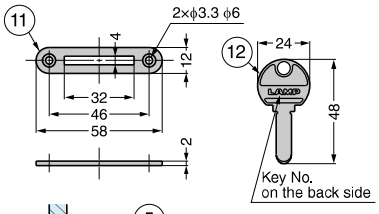
| RoHS | CAD | Item Code | Item Name | Key Type | Finish | Glass Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-060-944 | 1310GL-SN-D | Key Alike | Satin Nickel | 5~8 | 139 | 12 | 60 |
| G | 3D | 150-060-947 | 1310GL-CR-B | Key Different | Chrome | | | 12 | 60 |
| G | 3D | 150-060-946 | 1310GL-CR-D | Key Alike | | | | 12 | 60 |
| – | 3D | 150-060-949 | 1310GL-GC-B | Key Different | 24K | | | 12 | 60 |
| – | 3D | 150-001-317 | 1310GL-GC-D | Key Alike | | | | 12 | 60 |
| – | 3D | 150-028-535 | 1310GL-BL-B | Key Different | Black Chrome | | | 12 | 60 |
| – | 3D | 150-001-248 | 1310GL-BL-D | Key Alike | | | | 12 | 60 |

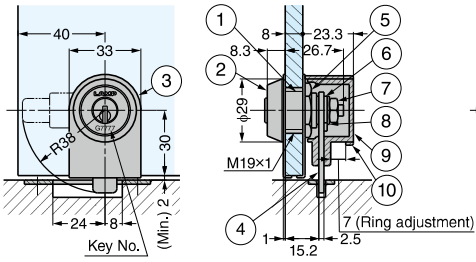
Refer to 1 : P.849, 2 : P.848

# MILLION LOCK GLASS DOOR CAM LOCK 1300GL

TEMPERED GLASS





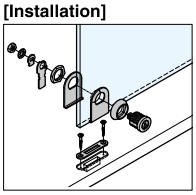

- For single door application.
- When turning reversible key clockwise by 360°, cam rotates by 90°.
- Key is removable in locked and unlocked positions. 1310GL 1 for which the key is not removable in unlocked position also available.
- 1 million key changes available.
  Master Key system available at surcharge. (Max. 2,520 key changes/Master Key.)
- Keys can be shared with Million Lock series 2.

**[Remarks]**
- Be sure to read the "Cautions" 3.
- Cam direction is not changable.

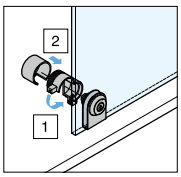
**[Parts Included]**
- Countersunk head wood screw 2.7×13 (SUS)

| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Body | Brass | Satin Nickel |
| ② | Ring | | |
| ③ | Plate | Stainless Steel (SUS304) | Polished |
| ④ | Cam | | Plain |
| ⑤ | Hex Nut | Steel (SS) | Special Anti-rust Painting/Silver |
| ⑥ | Cam | Brass | Nickel |
| ⑦ | Hex Nut | Steel (SS) | Special Anti-rust Painting/Silver |
| ⑧ | Washer | Steel | |
| ⑨ | Cover | PP | Black |
| ⑩ | Ring | | |
| ⑪ | Strike | Stainless Steel (SUS304) | Polished |
| ⑫ | Key | Brass | Nickel |

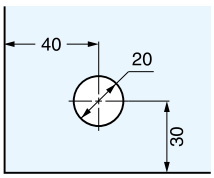
**[Installation]**



**[How to Install ⑨ Cover & ⑩ Ring]**




**[Cut Out Dimensions]**




| RoHS | CAD | Item Code | Item Name | Key Type | Glass Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-060-219 | 1300GL-B | Key Different | 5~8 | 140 | 12 | 60 |
| – | 3D | 150-001-056 | 1300GL-D | Key Alike | | | 12 | 60 |

Refer to 1 : P.859, 2 : P.849, 3 : P.848

# GLASS DOOR CAM LOCK 2100GL 2100 Lock Series

TEMPERED GLASS

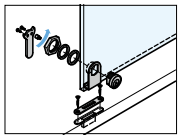


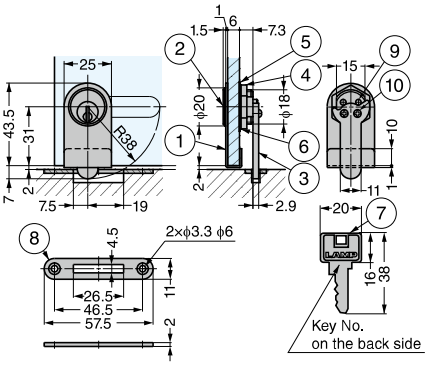
- For glass single swing doors. Ideal for application of audio rack and showcase, etc.
- Available for both right and left swing door.
- Key can be removed when locked.
- 12 key changes available.
- Keys can be shared with 2100 Lock Series 1.
- 2100 GLK 2 with clawed cam also available.

**[Remarks]**

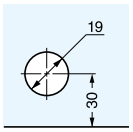
- Be sure to read the “Cautions” 3.

**[Installation]**






**[Cut Out Dimensions]**




| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Front Plate | Stainless Steel (SUS304) | Polished |
| ② | Body | Brass | Satin Nickel |
| ③ | Cam | Steel | Nickel |
| ④ | Hex Nut | Brass | |
| ⑤ | Plastic Washer | PA | Natural |
| ⑥ | Washer | Steel | Chrome |
| ⑦ | Key | Brass | Nickel |
| ⑧ | Strike | Steel | Chrome |
| ⑨ | Screw (Stopper for the Cam) | Brass | Plain |
| ⑩ | Screw (for Installing Cam) (Pan Head Screw M2.5×8) | Steel | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Glass Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-001-057 | 2100GL-B | Key Different | 4~6 | 75 | 12 | 120 |
| – | 3D | 150-001-058 | 2100GL-D | Key Alike | | | 12 | 120 |

Refer to 1 : P.849, 2 : P.860, 3 : P.848

# GLASS DOOR CAM LOCK 2100GLK 2100 Lock Series

INSTRUCTION TEMPERED GLASS



- For glass single sliding doors. Ideal for showcase application, etc.
- Available for both right and left swing door.
- Key is removable only when locked.
- 12 key changes available.
- Keys can be shared with 2100 Lock Series 1.

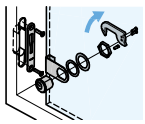
**[Remarks]**

- Be sure to read the “Cautions” 2.

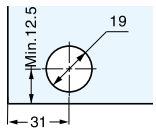
**[Recommended Screws]**

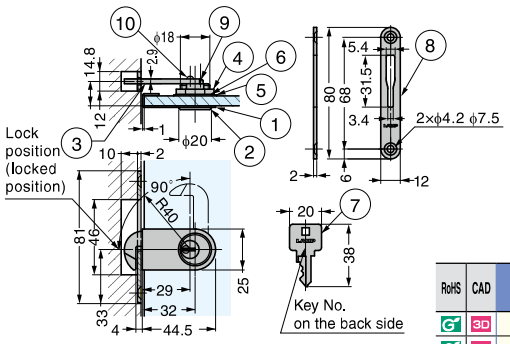
- Countersunk head tapping screw 3.5

**[Installation]**



**[Cut Out Dimensions]**



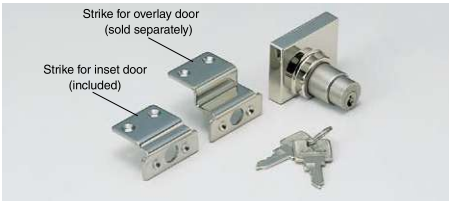

| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Front Plate | Stainless Steel (SUS304) | Satin |
| ② | Body | Brass | Satin Nickel |
| ③ | Cam | Steel (SPHC) | Nickel |
| ④ | Hex Nut | Brass | |
| ⑤ | Plastic Washer | PA | Natural |
| ⑥ | Washer | Steel | Nickel |
| ⑦ | Key | Brass | |
| ⑧ | Strike | Steel (SPCC) | |
| ⑨ | Screw (Stopper for the Cam) | Brass | Plain |
| ⑩ | Screw (for Installing Cam) (Pan Head Screw M2.5×8) | Steel | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Glass Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-020-475 | 2100GLK-B | Key Different | 20 | 4~6 | 75 | 12 | 120 |
| G | 3D | 150-001-147 | 2100GLK-D | Key Alike | | | | 12 | 120 |

Refer to 1 : P.849, 2 : P.848

# GLASS DOOR LOCK MKL-2100-D 2100 Lock Series

TEMPERED GLASS

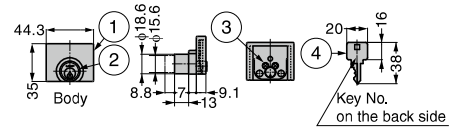


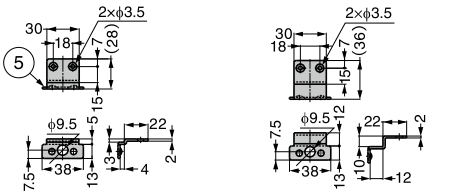

- Pre-drilling on glass not required.
- For inset door. MKL-B strike (sold separately) is available for overlay.
- 1 Key Alike available. Key different type possible as special order (12 key changes).
- Keys can be shared with 2100 Lock Series 1.

**[Remarks]**
- Be sure to read the "Cautions" 2.
- Please hold the cylinder part when removing.

**[Parts Included]**
- Strike for inset door
- Countersunk head wood screw 3.1×16 (SUS)

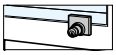
**[Sold Separately]**
- MKL-B strike for overlay door



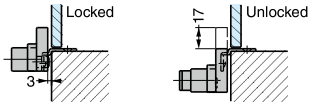




MKL-B strike for overlay door
(sold separately)

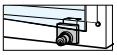
**[Inset Door Locked]**



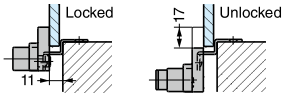
**[Inset Door]**




**[Overlay Door Unlocked]**



**[Overlay Door]**




| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Mounting Plate | Zinc Alloy (ZDC) | Nickel |
| ② | Push Lock 2100B | | Satin Chrome |
| ③ | Countersunk Head Screw M3×5 | Steel | Coloured Zinc Chromate (Trivalent) |
| ④ | Key | Brass | Nickel |
| ⑤ | Strike for Inset Door | Stainless Steel (SUS304) | Tumbling |

Refer to 1 : P.849, 2 : P.848

**[Body]**

| RoHS | CAD | Item Code | Item Name | Key Type | Glass Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-001-411 | MKL-2100-D | Key Alike | 5~8 | 125 | 12 | 60 |

**[Strike for Overlay Door] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Material | Finish | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-069-538 | MKL-B | Stainless Steel (SUS304) | Barrel Polished | 25 | 60 | 360 |

# PUSH LOCK 2100B 2100 Lock Series

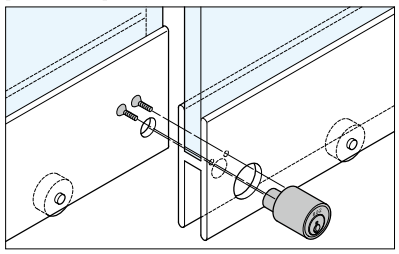


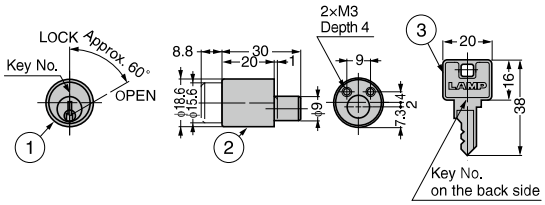
- For metal-framed glass doors or sheet metal double sliding doors.
- Push the cylinder to lock.2110B 1 of the same type with a key required for locking also available.
- Insert and turn key to unlock.
- 12 key changes available.
- Keys can be shared with 2100 Lock Series 2.

**[Remarks]**
- Be sure to read the "Cautions" 3.

**[Parts Included]**
- Countersunk head screw M3×5

**[Installation]**






| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Nickel |
| ② | Cylinder Case | Brass | |
| ③ | Key | | Nickel |
| – | Key Ring | Stainless Steel (SUS304) | |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-001-070 | 2100B-B | Key Different | 18.6 | 20 | 50 | 40 | 400 |
| G | 3D | 150-001-071 | 2100B-D | Key Alike | | | | 40 | 400 |

Refer to 1 : P.862, 2 : P.849, 3 : P.848

# PUSH LOCK 2110B 2100 Lock Series

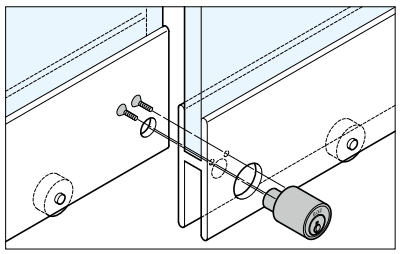


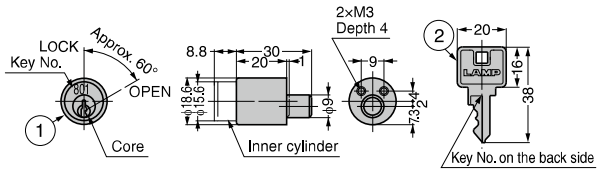
- For metal-framed glass doors or sheet metal double sliding doors.2100B 1 of the same type without need of key also available.
- To Lock: Insert key and turn 60° clockwise. Push-in the cylinder with key and turn 60° back.
- To Unlock: Insert key and turn 60° clockwise and lock will automatically disengage. Turn the key 60° back and remove.
- 12 key changes available.
- Keys can be shared with 2100 Lock Series 2.

**[Remarks]**
- Be sure to read the "Cautions" 3.

**[Parts Included]**
- Countersunk head screw M3×5

**[Installation]**






| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Satin Nickel (Core: Buffing Nickel Coating) |
| ② | Key | Brass | Nickel |
| – | Key Ring | Steel | |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-001-072 | 2110B-B | Key Different | 18.6 | 20 | 50 | 40 | 400 |
| G | 3D | 150-001-073 | 2110B-D | Key Alike | | | | 40 | 400 |

Refer to 1 : P.862, 2 : P.849, 3 : P.848

# PUSH LOCK 2150B, 2160B

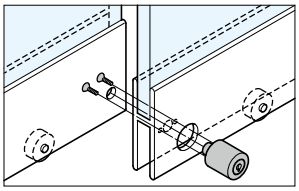


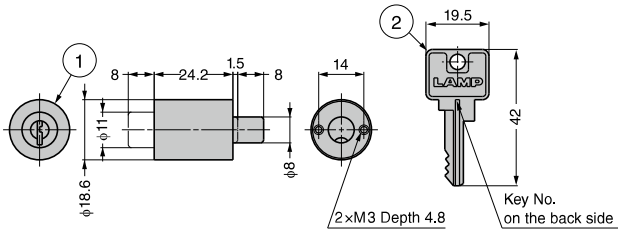
- For metal-framed glass doors or sheet metal double sliding doors. 2150M, 2160M of the same type for wood board also available.
- How to lock: 2150B - push cylinder to lock. 2160B - turn key to lock and unlock.
- Insert and turn key to unlock.
- 24 key changes available.

**[Remarks]**
- Be sure to read the “Cautions” 1.

**[Parts Included]**
- Countersunk head screw M3×5

**[Installation]**






| RoHS | CAD | Item Code | Item Name | Key Type | How to Lock | Cylinder Diameter | Frame Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-060-410 | 2150B-B | Key Different | Without Key | 18.6 | 24 | 50 | 24 | 240 |
| – | 3D | 150-001-388 | 2150B-D | Key Alike | | | | | 24 | 240 |
| – | 3D | 150-060-069 | 2160B-B | Key Different | With Key | | | | 24 | 240 |
| – | 3D | 150-001-384 | 2160B-D | Key Alike | | | | | 24 | 240 |

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Nickel |
| ② | Key | Brass | |

Refer to 1 : P.848

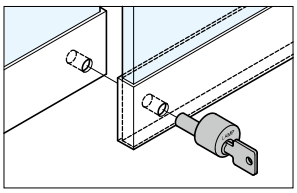
# GLASS DOOR LOCK 6300-D

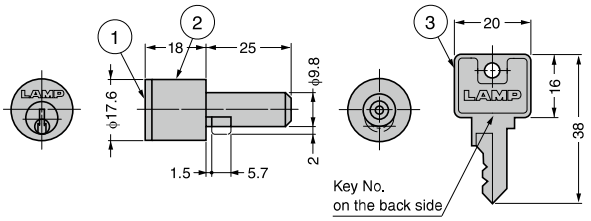


- For metal-framed glass doors or sheet metal double sliding doors.
- Easy installation. Just 10mm bore required on the door.
- When locking, insert cylinder along with key into the bore. Turn the key to lock and remove the key.
- Remove cylinder along with key to unlock.
- 96 key changes available.

**[Remarks]**
- Be sure to read the “Cautions” 1.

**[Installation]**






| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Frame Thickness | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-001-145 | 6300-D | Key Alike | 9.8 | 19 | 1.2 | 50 | 24 | 240 |

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | White Bronze Plating |
| ② | Cylinder Case | Brass | Nickel |
| ③ | Key | | |
| – | Key Ring | Steel | |

Refer to 1 : P.848

# MILLION LOCK PUSH LOCK 2300M

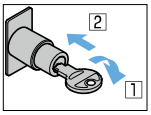


- For wooden double sliding doors. Can also be used for metal-framed glass doors and sheet metal double sliding doors when mounting plate is removed.
- 1 million key changes available. Master Key system available at surcharge. (Max. 2,520 key changes/Master Key.)
- Keys can be shared with Million Lock Series 1.

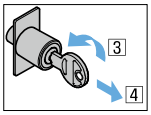
**[Remarks]**
- Be sure to read the "Cautions" 2.

**[Parts Included]**
- Countersunk head wood screw 2.7×16 (SUS)

**[Lock]**

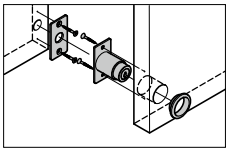


Turn key 90° to the right, push in.

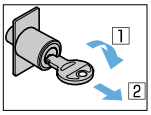


Turn key 90° to the left, and remove.

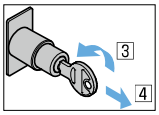
**[Installation]**



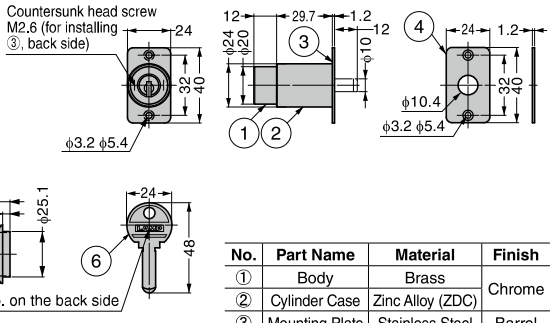
**[Unlock]**



Turn key 90° to the right and lock will automatically disengage.



Turn the key 90° back and remove.




| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Cylinder Case | Zinc Alloy (ZDC) | |
| ③ | Mounting Plate | Stainless Steel (SUS304) | Barrel Polished |
| ④ | Strike | | |
| ⑤ | Ring | Brass | Chrome |
| ⑥ | Key | | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-022-924 | 2300M-B | Key Different | 24 | 30 | 100 | 12 | 60 |
| – | 3D | 150-001-232 | 2300M-D | Key Alike | | | | 12 | 60 |

Refer to 1 : P.849, 2 : P.848

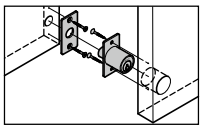
# PUSH LOCK 2110M 2100 Lock Series



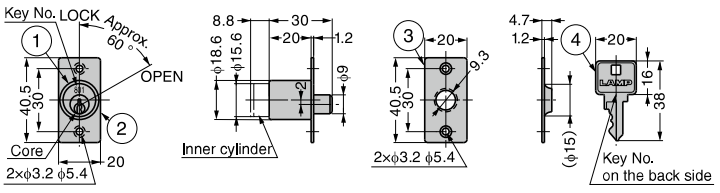
- Ideal for wooden double sliding doors. 2100M 1 of the same type without need of key also available.
- To Lock: Insert key and turn 60° clockwise. Push-in the cylinder with key and turn 60° back.
- To Unlock: Insert the key and turn 60° clockwise.Turn the key 60° back and remove.
- 12 key changes available.
- Keys can be shared with 2100 Lock Series 2.

**[Remarks]**
- Be sure to read the "Cautions" 3.

**[Installation]**



**[Parts Included]**
- Countersunk head wood screw 2.7×16




| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Satin Nickel (Core: Buffing Nickel Coating) |
| ② | Mounting Plate | Brass | Nickel |
| ③ | Strike | | |
| ④ | Key | | |
| – | Key Ring | Steel | |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-060-889 | 2110M-B | Key Different | 18.6 | 20 | 60 | 12 | 240 |
| G | – | 150-001-045 | 2110M-D | Key Alike | | | | 12 | 240 |

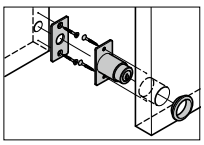
Refer to 1 : P.865, 2 : P.849, 3 : P.848

# PUSH LOCK 2400M



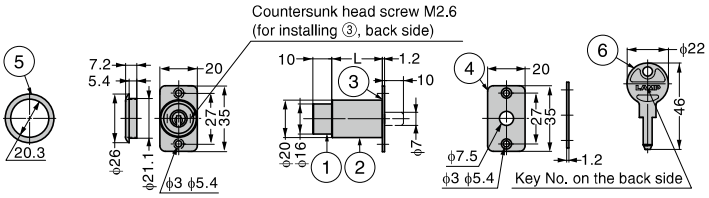
- Ideal for wooden double sliding doors. Can also be used for metal-framed glass doors and sheet metal double sliding doors when mounting plate is removed.
- Push the cylinder to lock without using the key.
- Turn key 45° to the right to unlock. Turn key 45° to the left to lock and remove the key.
- 47,000 key changes available. Master Key system available at surcharge. (Max. 1,000 key changes/Master Key.)

**[Installation]**



**[Remarks]**
- Be sure to read the "Cautions" 1.

**[Parts Included]**
- Countersunk head wood screw 2.7×16 (SUS)




| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness | L | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-022-926 | 2400M-20-B | Key Different | 20 | 20 | 22 | 65 | 12 | 60 |
| – | 3D | 150-001-230 | 2400M-20-D | Key Alike | | | | | 12 | 60 |
| – | 3D | 150-022-925 | 2400M-25-B | Key Different | | 25 | 27 | 70 | 12 | 60 |
| – | 3D | 150-001-231 | 2400M-25-D | Key Alike | | | | | 12 | 60 |

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Cylinder Case | Zinc Alloy (ZDC) | |
| ③ | Mounting Plate | Stainless Steel (SUS304) | Barrel Polished |
| ④ | Strike | | |
| ⑤ | Ring | Brass | Chrome |
| ⑥ | Key | | Nickel |

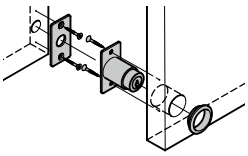
Refer to 1 : P.848

# PUSH LOCK 2100M 2100 Lock Series



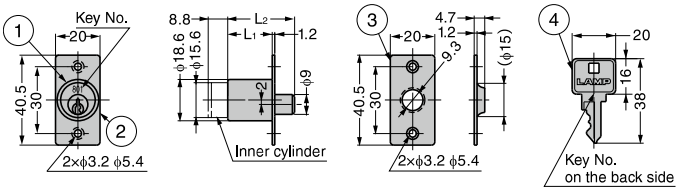
- Ideal for wooden double sliding doors.
- Push the cylinder to lock without using the key. 2110M 1 of the same type with a key required for locking also available.
- Insert and turn key to unlock.
- 12 key changes available.
- Keys can be shared with 2100 Lock Series 2.

**[Installation]**



**[Remarks]**
- Be sure to read the "Cautions" 3.

**[Parts Included]**
- Countersunk head wood screw 2.7×16




| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness $L_1$ | $L_2$ | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-060-812 | 2100M-B | Key Different | 18.6 | 20 | 30 | 60 | 12 | 240 |
| – | 3D | 150-001-044 | 2100M-D | Key Alike | | | | | 12 | 240 |
| – | 3D | 150-063-742 | 2100M-25-B | Key Different | | 25 | 35 | 70 | 12 | 240 |
| – | 3D | 150-001-043 | 2100M-25-D | Key Alike | | | | | 12 | 240 |

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Satin Nickel |
| ② | Mounting Plate | Brass | Nickel |
| ③ | Strike | | |
| ④ | Key | | |
| – | Key Ring | Steel | |

Refer to 1 : P.864, 2 : P.849, 3 : P.848

# STAINLESS STEEL CABINET LOCK 3810S

SUS



- Nickel silver key with excellent corrosion and abrasion resistance. Durability with thick cam.
- Reversible key can be removed when locked and unlocked (360° rotation).
- For drawer and cabinet door application.
- Suitable for overlay doors.
- 12 key changes available. (Max. 300 key changes as special order)
- Master Key system (300 key changes) available at surcharge. (1 Master Key only.)
- Cam lock 3800S 1 of the same material also available.

**[Remarks]**
- Be sure to read the "Cautions" 2
- Not waterproof.

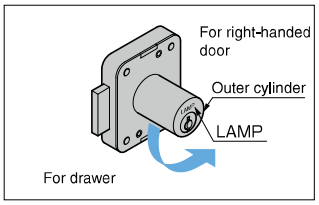
**[Parts Included]**
- Countersunk head wood screw 3.1 × 20, 2.1 × 10 (SUS)

**[Sold Separately]**
- Spacer 6810-SP

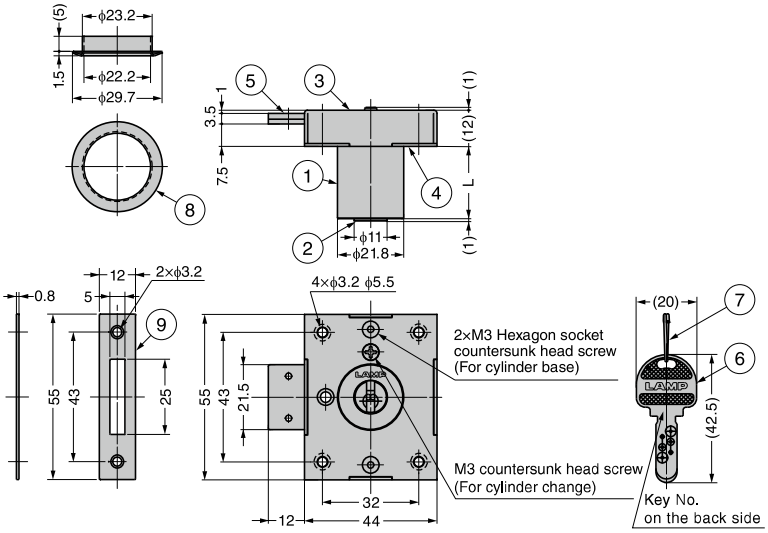


Spacer 6810-SP (sold separately)

**[How to Switch: for Drawer/Right-handed Door Application]**



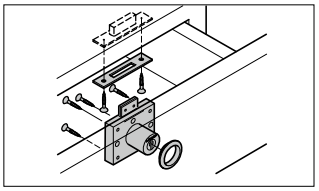

Turn the outer cylinder to the position for drawer or right-handed door and then fix with screws. The logo "LAMP" is to be forwarded upside.



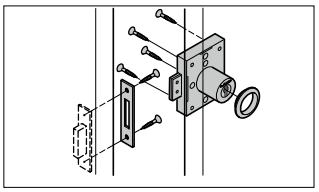

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Cylinder (Outer) | Stainless Steel (SUS303) | Satin |
| ② | Cylinder (Inner) | | Plain |
| ③ | Body | Stainless Steel (SUS304) | |
| ④ | Cylinder Base | | |
| ⑤ | Dead Bolt | | |
| ⑥ | Key | Nickel Silver | |
| ⑦ | Key Ring | Stainless Steel (SUS304) | |
| ⑧ | Surface Ring | | |
| ⑨ | Strike | | |

※Cylinder pin is made of brass.

**[Installing to the drawer]**



**[Installing to the right-handed doors]**



**[Spacer] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | 3D | 150-060-206 | 6810-SP | 4.5 | 150 | 1500 |

**[Body]**

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | L | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-012-923 | 3810S-24-B | Key Different | 21.8 | 24 | 24 | 180 | 12 | 60 |
| G | 3D | 150-001-369 | 3810S-24-D | Key Alike | | | | | 12 | 60 |
| G | 3D | 150-012-925 | 3810S-30-B | Key Different | | 30 | 30 | 195 | 12 | 60 |
| G | 3D | 150-001-370 | 3810S-30-D | Key Alike | | | | | 12 | 60 |

Refer to 1 : P.854, 2 : P.848

# CABINET LOCK WITH INDICATOR 2200QL 2200 Lock Series

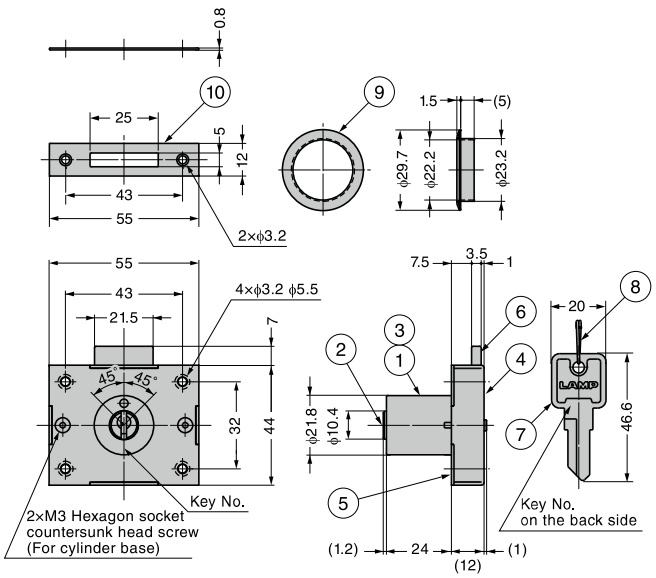



- Only 45° rotation is needed to unlock/lock the door. Key automatically returns to original position.
- With indicator: Unlocked - Blue, Locked - Red.
- For drawer application.
- Types for right-handed door also available by made to order.
- 300 key changes available.
- Master Key system available at surcharge. (Max. 170 key changes/ Master Key.)
- Keys can be shared with 2200 Lock Series.

**[Remarks]**
- Be sure to read the "Cautions" 1
- For locking or unlocking, please rotate the key until the indicator completely turns red or blue.

**[Parts Included]**
- Countersunk head wood screw 3.1 × 20, 2.1 × 10 (SUS)

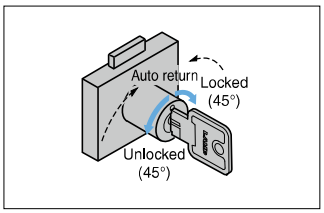
**[Sold Separately]**
- Spacer 6810-SP





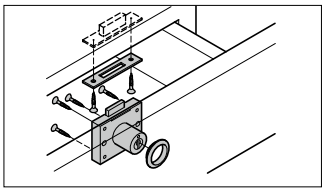

Spacer 6810-SP (sold separately)

**[Lock/Unlock]**

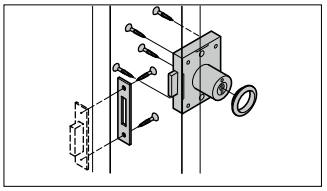



Key automatically returns to original position.

**[Installation]**



**[Installing to Right-handed Door]**



※Types for right-handed doors are made to order.

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Cylinder (Outer) | Zinc Alloy (ZDC) | Coloured Zinc Chromate (Trivalent) |
| ② | Cylinder (Inner) | | Satin Nickel |
| ③ | Body Pipe | Brass | |
| ④ | Body | Stainless Steel (SUS304) | Plain |
| ⑤ | Cylinder Base | | |
| ⑥ | Dead Bolt | Zinc Alloy (ZDC) | Nickel |
| ⑦ | Key | Brass | |
| ⑧ | Key Ring | Stainless Steel (SUS304) | Plain |
| ⑨ | Surface Ring | Brass | Satin Nickel |
| ⑩ | Strike | Stainless Steel (SUS304) | Plain |

**[Spacer] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | 3D | 150-060-206 | 6810-SP | 4.5 | 150 | 1500 |

**[Body]**

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-012-927 | 2200QL-24-B | Key Different | 21.8 | 24 | 200 | 12 | 60 |
| G | 3D | 150-001-371 | 2200QL-24-D | Key Alike | | | | 12 | 60 |

Refer to 1 : P.848

# MILLION LOCK CABINET LOCK 7810W For Double Swing Door / Drawer Interlocking Type

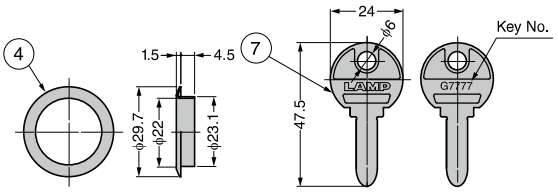


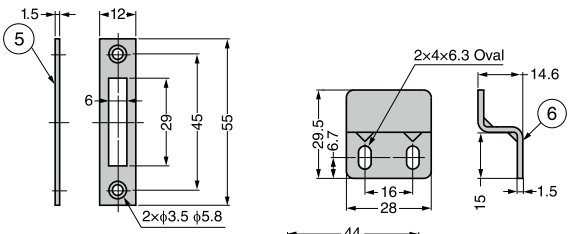

- With 2 dead bolts, suitable for double swing doors and drawers, etc.
- Can lock upper and lower drawers by using one lock.
- Reversible key. Turn the key 360° to lock or unlock.
- Body and dead bolt are made of stainless steel (SUS304) with excellent rust resistance.
- 1 million key changes available.
  Master Key system available at surcharge. (Max. 2,520 key changes/ Master Key.)
- Polished and clear finish for cylinder and ring also available by made to order.
- Keys can be shared with other Million Lock Series 1.

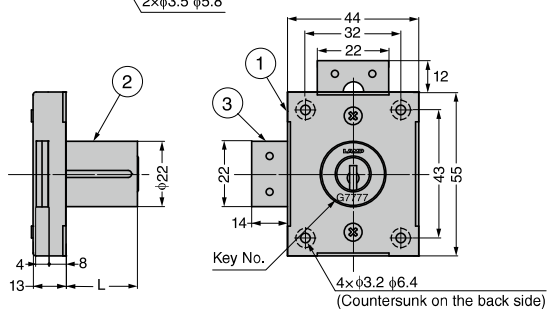
**[Remarks]**
- For key numbers and their combination, please consult our sales representative.
- Be sure to read the "Cautions" 2.

**[Parts Included]**
- Countersunk head wood screw 2.7×13, 3.1×22 (SUS)

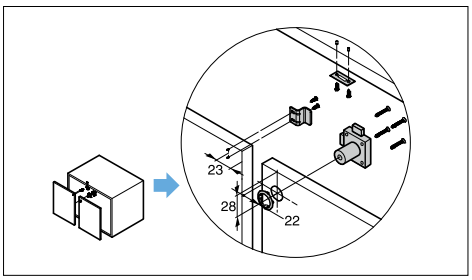
**[Sold Separately]**
- Spacer 6810-SP



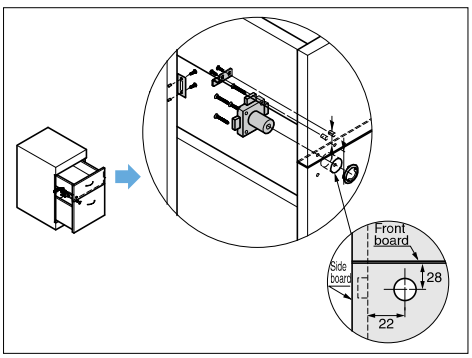




**[Installation on Double Swing Door]**




**[Installation on Drawer]**




| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Stainless Steel (SUS304) | Satin |
| ② | Cylinder | Brass | Satin Nickel, Chrome |
| ③ | Dead Bolt | Stainless Steel (SUS304) | Plain |
| ④ | Ring | Brass | Satin Nickel, Chrome |
| ⑤ | Strike A | Stainless Steel (SUS304) | Satin |
| ⑥ | Strike B | | |
| ⑦ | Key | Brass | Nickel |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness | Finish | L | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-034-439 | 7810W-24NI-B | Key Different | 22 | 22~24 | Satin Nickel | 24 | 170 | 12 | 60 |
| G | 3D | 150-001-259 | 7810W-24NI-D | Key Alike | | | | | | 12 | 60 |
| G | 3D | 150-034-441 | 7810W-24CR-B | Key Different | | | Chrome | | | 12 | 60 |
| G | 3D | 150-001-260 | 7810W-24CR-D | Key Alike | | | | | | 12 | 60 |
| G | 3D | 150-034-443 | 7810W-30NI-B | Key Different | | 28~30 | Satin Nickel | 30 | 180 | 12 | 60 |
| G | 3D | 150-001-261 | 7810W-30NI-D | Key Alike | | | | | | 12 | 60 |
| G | 3D | 150-034-445 | 7810W-30CR-B | Key Different | | | Chrome | | | 12 | 60 |
| G | 3D | 150-001-262 | 7810W-30CR-D | Key Alike | | | | | | 12 | 60 |
| G | 3D | 150-034-447 | 7810W-36NI-B | Key Different | | 34~36 | Satin Nickel | 36 | 195 | 12 | 60 |
| G | 3D | 150-001-263 | 7810W-36NI-D | Key Alike | | | | | | 12 | 60 |
| G | 3D | 150-034-449 | 7810W-36CR-B | Key Different | | | Chrome | | | 12 | 60 |
| G | 3D | 150-001-264 | 7810W-36CR-D | Key Alike | | | | | | 12 | 60 |

Refer to 1 : P.849, 2 : P.848

# CABINET LOCK 8810

INSTRUCTION



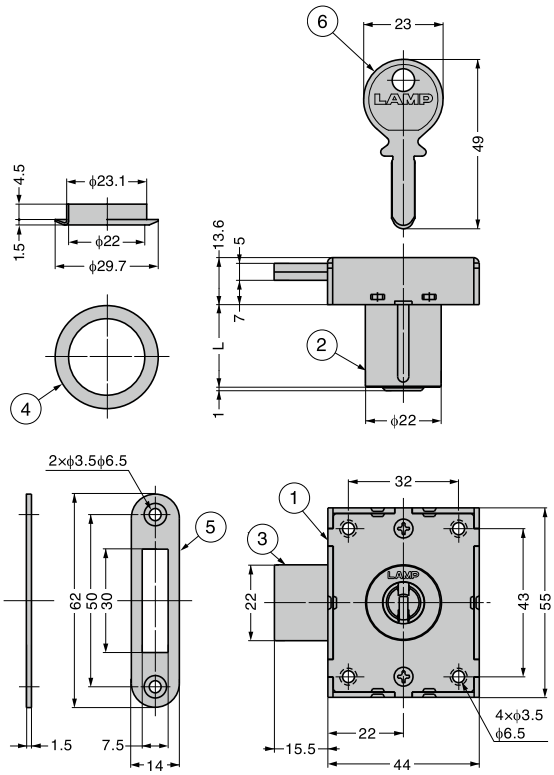
8810-24

- Brass cylinder lock with stainless steel body.
- Construction Key System - Key number is changeable without replacing cylinder. (Key number can be changed twice.)
- Reversible key can be removed when locked and unlocked. (360° rotation)
- Master Key (made to order) can be used for unified management.
- 3 million key changes available (Max. 300 key changes/Master Key).
- Types with key number unchanged also available by made to order (Max. 3,000 key changes/Master Key).
- Spacer 6810-SP (sold separately) can be used.

**[Remarks]**
- Be sure to read the "Cautions" 1.
- Previous key becomes invalid by using a new key.
- Previous key and key number cannot be used again after changing key number.
- Key number can be changed twice.

**[Parts Included]**
- Countersunk head wood screw 3.1 × 25 (for body)
- Countersunk head wood screw 3.1 × 13 (for strike)

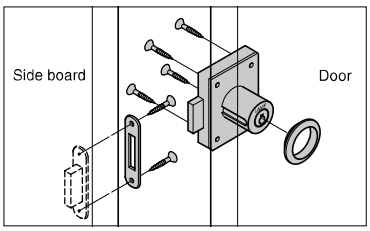
**[Sold Separately]**
- Master Key (made to order), 1st change key (made to order) and 2nd change key (made to order)
- Spacer 6810-SP




**[How to Change Key]**
- Each lock includes keys for the original key number only.
- There are three kinds of keys: Original key, 1st change key and 2nd change key.
- 1st and 2nd change keys are sold separately (made to order).
- For the first key number change, insert the 1st change key and rotate 360°.
- For the second key number change, insert the 2nd change key and rotate 360°.
- After using the 1st change key, the original key cannot open the lock. Likewise, when the 2nd change key is used, the 1st change key will be invalid.

**[Combined Usage with Key and Master Key]**
- There are also three kinds of Master Keys: Original Master Key, Master Keys for 1st change and 2nd change. They are available by made to order.
- Master Keys must also be changed after the lock's key number is changed.
- All key numbers will be changed by using new master key.
- In case only some of the locks' key numbers in Master Key system are changed, master keys for that portion should still be kept.

**[Installation]**




| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Body | Stainless Steel (SUS304) | Satin |
| ② | Cylinder | Brass | Nickel |
| ③ | Dead Bolt | Stainless Steel (SUS304) | – |
| ④ | Ring | Brass | Satin Nickel |
| ⑤ | Strike | Stainless Steel (SUS304) | Satin |
| ⑥ | Key | Nickel Silver | Barrel Polished |

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness | L | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-022-338 | 8810-24MK-B | Key Different, With Master Key System | 22 | 22~24 | 24 | 190 | 12 | 60 |
| – | 3D | 150-022-337 | 8810-24-B | Key Different, Without Master Key System | | | | | 12 | 60 |
| – | 3D | 150-001-221 | 8810-24-D | Key Alike | | | | | 12 | 60 |
| – | 3D | 150-029-317 | 8810-36MK-B | Key Different, With Master Key System | | 34~36 | 36 | 220 | 12 | 60 |
| – | 3D | 150-029-316 | 8810-36-B | Key Different, Without Master Key System | | | | | 12 | 60 |
| – | 3D | 150-001-241 | 8810-36-D | Key Alike | | | | | 12 | 60 |

Refer to 1 : P.848

# CABINET LOCK 6830-30MK Million Lock Interchangeable Cylinder Series



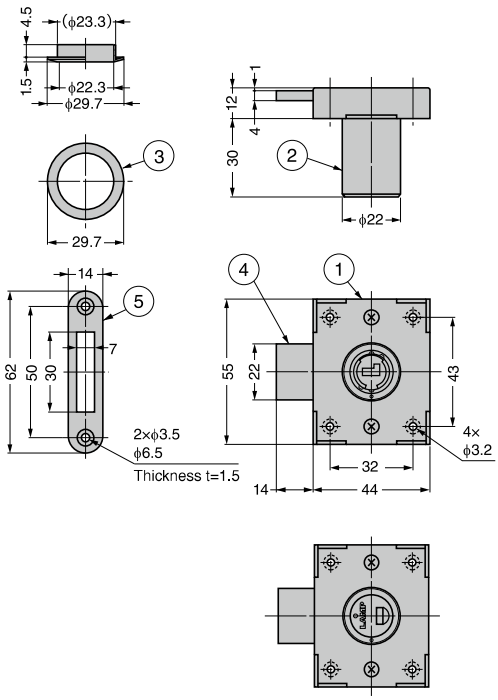

※Cylinder and key are sold separately.

- Interchangeable cylinder lock series with Master Key system.
- Easy to replace the cylinder by using the Change Key MD-K1.
- Reversible key can be removed when locked and unlocked. (180° rotation).
- 7,800 key changes available. (Max. 750 key changes/Master Key)
- Keys can be shared with interchangeable cylinder lock series. Besides, the Master Key (sold separately) can also be used for unified management.

**[Remarks]**
- Be sure to read the "Cautions" 1.
- To remove the cylinder MD-N1 (sold separately), Change Key MD-K1 (sold separately) is required. Change Key MD-K1 also serves as a master key system.

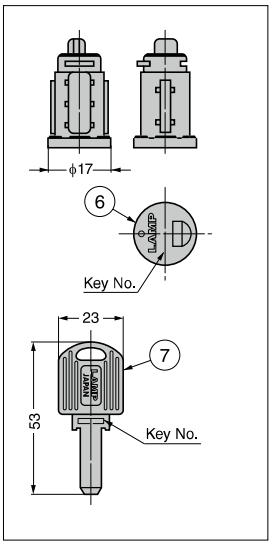
**[Parts Included]**
- Countersunk head wood screw 2.7 × 13, 3.1 × 22 mm (SUS)

**[Sold Separately]**
- Cylinder MD-N1
- Master Key MD-MK1, Change Key MD-K1
- Spacer 6810-SP




MD-N1 (sold separately) installed

**[Cylinder] Sold Separately**






Spacer 6810-SP (sold separately)

| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Body | Stainless Steel (SUS304) | Satin |
| ② | Housing | Zinc Alloy (ZDC) | GA: Gold, Paint/Clear |
| ③ | Ring | Brass | DN: Satin Nickel |
| ④ | Dead Bolt | Stainless Steel | – |
| ⑤ | Strike | (SUS304) | Satin |
| ⑥ | Cylinder (Sold Separately) | Stainless Steel (SUS304)/ Zinc Alloy (ZDC) | Barrel Polished/ Coloured Zinc Chromate |
| ⑦ | Key (Sold Separately) | Brass/ABS | Nickel/Black |

**[Cylinder] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Key Type | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|
| – | 3D | 150-001-003 | MD-N1-B | Key Different | 180 | – | 1 |
| – | 3D | 150-001-126 | MD-N1-D | Key Alike | 180 | – | 1 |

**[Master Key/Change Key] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Type | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|
| – | 3D | 150-001-002 | MD-MK1 | Master Key | 12 | – | 1 |
| – | 3D | 150-001-001 | MD-K1 | Change Key | 16 | – | 1 |

**[Spacer] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | 3D | 150-060-206 | 6810-SP | 4.5 | 150 | 1500 |

**[Body]**

| RoHS | CAD | Item Code | Item Name | Finish | Cylinder Diameter | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-060-196 | 6830-30MKGA | Gold, Paint/Clear | 22 | 30 | 180 | 12 | 60 |
| G | 3D | 150-060-193 | 6830-30MKDN | Satin Nickel | | | | 12 | 60 |

Refer to 1 : P.848

# CABINET LOCK 5830



5830-30MK

- Interchangeable cylinder lock with Master Key system.
- Easy to replace cylinder by using Change Key 5830-K1.
- Reversible key can be removed when locked and unlocked (180° rotation).
- Max. 3,120 key changes available. (Max. 780 key changes/Master Key)
- Longer dead bolt stroke.
- Gold finish for cylinder ring and cylinder case can be made to order.

**[Remarks]**

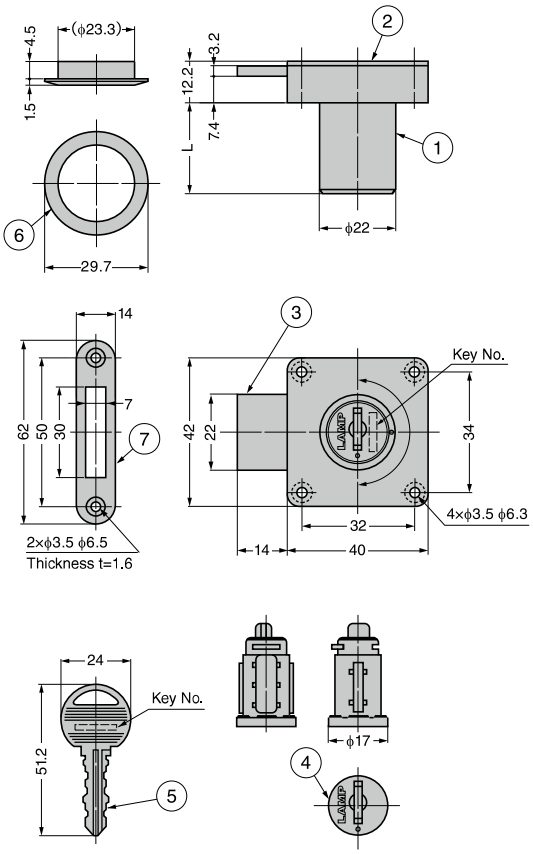
- Be sure to read the "Cautions" 1.
- To remove the cylinder, Change Key 5830-K1 (sold separately) is required.
- Replaceable cylinder is made to order.

**[Parts Included]**

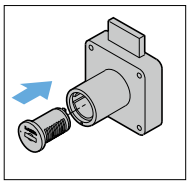
- Countersunk head wood screw 3.1×13, 3.1×22 (SUS)

**[Sold Separately]**

- Master Key 5830-MK1
- Change Key 5830-K1
- Spacer 5830-SP



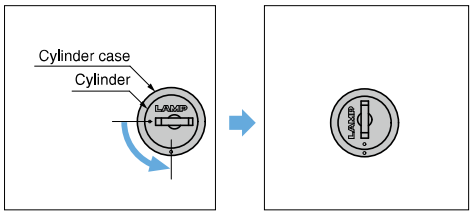

**[Installation]**





Spacer 5830-SP (sold separately)

**[How to Remove]**




Insert the Change Key and turn the cylinder 90° counter clockwise.

Place two dots in the same position and remove the cylinder.

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Satin Nickel |
| ② | Case Cover | Steel (SPCC) | Nickel |
| ③ | Dead Bolt | | |
| ④ | Cylinder (Inner) | Zinc Alloy (ZDC) | Satin Nickel |
| ⑤ | Key | Brass | Nickel |
| ⑥ | Ring | | Satin Nickel |
| ⑦ | Strike | Steel (SPCC) | Nickel |

**[Master Key] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | 3D | 150-001-009 | 5830-MK1 | 9 | – | 1 |

**[Change Key] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | – | 150-001-008 | 5830-K1 | 13 | – | 1 |

**[Spacer] Sold Separately**

| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | 3D | 150-060-569 | 5830-SP | 3 | 200 | 2000 |

**[Body]**

| RoHS | CAD | Item Code | Item Name | Key Type | Cylinder Diameter | Door Thickness L | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|---|
| G | 3D | 150-001-006 | 5830-24MK-B | Key Different | 22 | 24 | 155 | 12 | 60 |
| – | 3D | 150-001-382 | 5830-24MK-D | Key Alike | | | | 12 | 60 |
| – | 3D | 150-001-007 | 5830-30MK-B | Key Different | | 30 | 202 | 12 | 60 |
| – | 3D | 150-001-381 | 5830-30MK-D | Key Alike | | | | 12 | 60 |

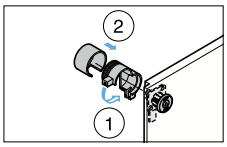
Refer to 1 : P.848

# MILLION LOCK CAM LOCK 1300SK

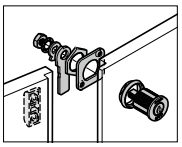
INSTRUCTION

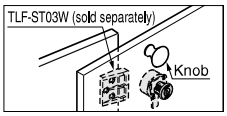


[How to Install ④ Cover & ⑤ Ring]

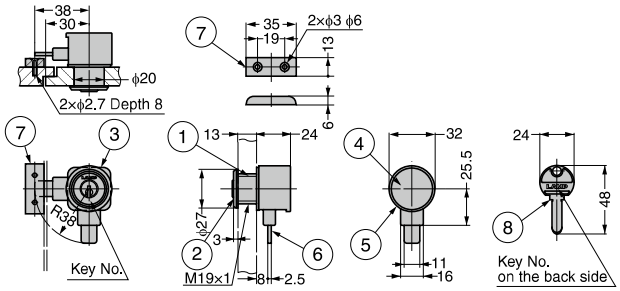



[Installation]






For overlay door, use counter plate TLF-ST03W (sold separately) as one side strike.




- Ideal for cabinet of public toilet booth, etc.
- Reversible key can be removed when locked and unlocked.
- When turning the key clockwise by 360°, cam rotates by 90°.
- 1 Key Alike available. Key different type possible as special order (1 million key changes). Master Key system available at surcharge. (Max. 2,520 key changes/Master Key.)
- Keys can be shared with Million Lock series 1.

**[Remarks]**

- Be sure to read the "Cautions" 2
- Do not use in shower booth and other water surroundings.

**[Parts Included]**

- Countersunk head screw M3×12 (SUS)

**[Sold Separately]**

- Counter plate TLF-ST03W

**[Body]**

| RoHS | CAD | Item Code | Item Name | Key Type | Door Thickness | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|---|
| – | 3D | 150-001-395 | 1300SK-D | Key Alike | 13 | 115 | 12 | 60 |

**[Strike] Sold Separately**

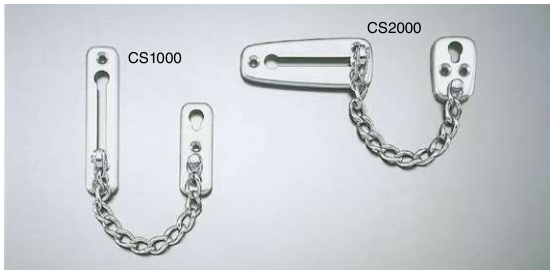
| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| – | 3D | 150-060-235 | TLF-ST03W | 8 | 1 | 1000 |

Refer to 1 : P.849, 2 : P.848

| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Body | Brass | Satin Nickel |
| ② | Ring | | |
| ③ | Key Plate | Steel (SPCC) | Coloured Zinc Chromate |
| ④ | Cover | PP | Black |
| ⑤ | Ring | | |
| ⑥ | Cam | Stainless Steel (SUS304) | Plain |
| ⑦ | Strike | ABS | Brown |
| ⑧ | Key | Brass | Nickel |

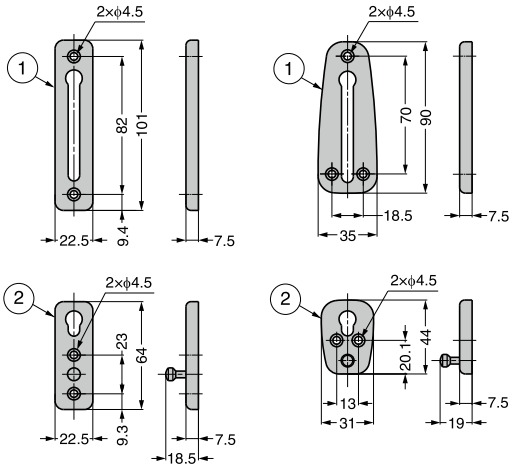
# STAINLESS STEEL DOOR CHAIN CS

SUS

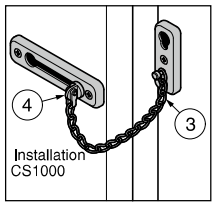


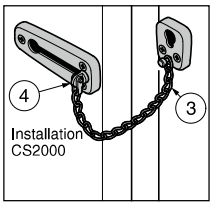

**[Parts Included]**

- Raised countersunk head wood screw 4×25 (SUS)




CS1000 CS2000




| RoHS | CAD | Item Code | Item Name | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|
| G | 3D | 270-051-060 | CS1000 | 115 | 15 | 150 |
| G | 3D | 270-051-061 | CS2000 | 120 | 15 | 150 |

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body (1) | Stainless Steel (SUS304) | Satin |
| ② | Body (2) | | |
| ③ | Chain (150 mm length) | | Barrel Polished |
| ④ | Knob | Brass | Nickel |

# BOX LATCH WITH LOCK BL-70Y



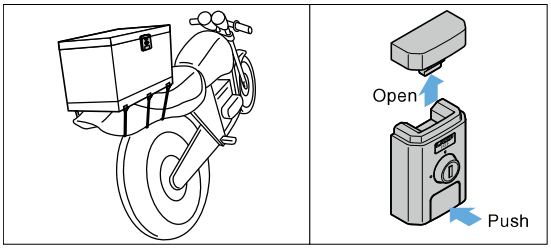
- Automatically latches the lid when closed.
- Push button to release.
- Locked with a key.
- 5 key changes available.

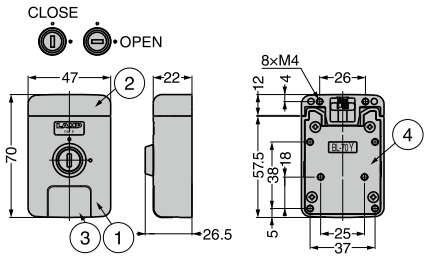
**[Application]**
- Storage box, especially for cars and transport, etc.

**[Remarks]**
- Be sure to read the "Cautions" 1.
- Install body and striker on the same plane.Stepped mounting surface may cause malfunction or damage.

**[Parts Included]**
- Countersunk binding head screw M4×12 (SUS)
- Spring lock washer 4 (SUS)

**[Installation]**




| RoHS | CAD | Item Code | Item Name | Key Type | Weight (g) | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|
| – | 3D | 150-001-077 | BL-70Y-D | Key Alike | 220 | – | 1 |

Refer to 1 : P.848

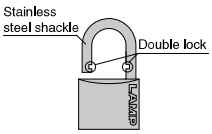
| No. | Part Name | Material | Finish/Colour |
|---|---|---|---|
| ① | Body | Zinc Alloy (ZDC) | Paint/Silver |
| ② | Striker | | |
| ③ | Button | Polyacetal (POM) | Grey |
| ④ | Cover | Zinc Alloy (ZDC) | Paint/Silver |

# HIGH SECURITY PADLOCK PWL



- Provides high security with stainless steel shackle and double lock. Besides, no key number marked on the body prevents illegal use.
- 110 key changes available.
- Sealing tool series also available.

**[Remarks]**
- Be sure to read the "Cautions" 1.
- Cannot specify key number when ordering.

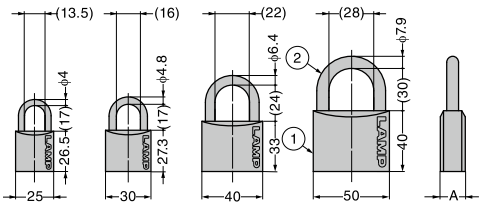


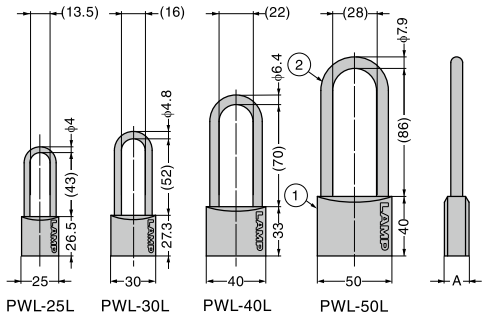




3 pcs (included)

| No. | Part Name | Material | Finish |
|---|---|---|---|
| ① | Body | Brass | Chrome |
| ② | Shackle | Stainless Steel (SUS304) | – |
| ③ | Key | Brass | Nickel |




| RoHS | CAD | Item Code | Item Name | A | Weight (g) ※ | Box (pcs) | Carton (pcs) |
|---|---|---|---|---|---|---|---|
| – | 3D | 150-013-023 | PWL-25 | 11.5 | 54 | 10 | 100 |
| – | 3D | 150-013-024 | PWL-30 | 12.8 | 78 | 10 | 100 |
| – | 3D | 150-013-025 | PWL-40 | 13.8 | 143 | 10 | 100 |
| – | 3D | 150-013-026 | PWL-50 | 16.5 | 254 | 5 | 50 |
| – | 3D | 150-013-027 | PWL-25L | 11.5 | 63 | 10 | 100 |
| – | 3D | 150-013-028 | PWL-30L | 12.8 | 91 | 10 | 100 |
| – | 3D | 150-013-029 | PWL-40L | 13.8 | 168 | 10 | 100 |
| – | 3D | 150-013-030 | PWL-50L | 16.5 | 297 | 5 | 50 |

※Limited stock available. Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

Refer to 1 : P.848

※Weight may greatly vary depending on different lots. Please check with the actual item.

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