

- 1) Identification code: **SLASH PANIC EXIT DEVICE**
- 2) Identification number: 4204301.036 KIT SLASH BM s = max 60mm
4204309.041 KIT SLASH BM Proget 3 point
- 3) Intended product use: Panic exit device for escape routes suitable for one-leaved doors or for the active leaf of two-leaved doors with dimensions up to 1350x2880mm/leaf, mass up to 300kg/leaf, mounted on hinges or pivots, with fire resistance up to EI₂120 - REI120 and smoke proof. Projection of the bar 75mm.
- 4) Manufacturer: NINZ S.p.A. - corso Trento 2/A
I-38061 ALA (TN) www.ninz.it
tel. +39 0464 678300 - fax +39 0464 679025
- 5) Auth. representative: -
- 6) Assessment perf. sys.: system 1
- 7) Harmonized standard: EN 1125:2008 + EC1:2009
- 8) Notified body: ICIM S.p.A. N.B. nr. 0425 have issued the certificate of conformity for the factory production control nr. 0425 CPR 001308.

- 9) Declared performances:
- | Essential characteristics | Performance-grade | Paragraph |
|-----------------------------------------|-------------------------|-----------|
| Category of use | 3 - high frequency | 7.1 |
| Durability | 7 - 200.000 cycles | 7.2 |
| Door mass | 7 - over 200kg | 7.3 |
| Suitability for use on fire/smoke doors | B - suitable | 7.4 |
| Safety toward people | 1 - for escape routes | 7.5 |
| Corrosion resistance | 3 - 96 h (high resist.) | 7.6 |
| Security toward goods | 2 - 1000N | 7.7 |
| Projection of horizontal bar | 2 - up to 100mm | 7.8 |
| Type of horizontal bar operation | B - touch-bar | 7.9 |
| Field of door application | A - 1 or 2 leaved door | 7.10 |
| Dangerous substances | conform | ZA |
- 10) Panic bars listed in point 1 and 2 are conform to the performances declared in point 9. This declaration of performance is issued under the exclusive responsibility of the manufacturer listed in point 4.

Signed in the name and on behalf of the manufacturer:

Ninz Karl
legal representative of the NINZ S.p.A.

INSTALLATION, USE AND MAINTENANCE HANDBOOK

A114-GB
5001211/2 - 02/19

SYMBOLS EMPLOYED



CAUTION

Indicates a danger that threatens people and/or material goods. Failure to observe the warnings indicated by this symbol may have serious consequences, such as personal injury and property damage.



ATTENTION

Indicates a danger that threatens material goods. Failure to observe the warnings indicated by this symbol may result in damage to material goods.



NOTICE

Warnings related to important technical aspects.

PRODUCT DESCRIPTION

Panic bar for one-leaved doors or for the active leaf of two-leaved doors located at emergency exits and activated by touch-bar. Composed of galvanized steel controls, black plastic carter, horizontal aluminium bar, external lever handle, panic safe lock and nickel-plated brass cylinder with three keys.

OPERATION MODE

While locked by key, the door cannot be opened from the pull side (handle side), while it can always be opened from the push side by using the horizontal bar of the SLASH BM panic exit device.

WARNINGS

The SLASH panic bar activated by means of a horizontal bar is intended for use onto doors installed in escape routes where panic situations could develop. The safety features of this product are of fundamental importance to ensure its conformity with EN 1125. It is strictly forbidden to introduce any type of modifications apart from those described in these installation instructions.

RECOMMENDATIONS

In order to ensure that the panic bar could provide a high level of safety toward people and appropriate safety level toward goods, it should only be mounted onto doors and doorframes that are in good conditions. The door itself, therefore, should be checked to ensure that it was installed properly and that nothing obstructs its normal movement.

If door rebate sealing have been mounted on the door, make sure they do not inhibit proper functioning of the panic bar.



In case of two-leaved door where both leaves are equipped with panic bar, it is mandatory to check that each leaf opens when its respective panic bar is activated, and that leaves open freely when the bars are activated simultaneously.

The fastening instructions in the present document should be followed scrupulously during installation. Once installation is complete, the installer should give this document to the owner of the activity.

The horizontal bar should be installed in a way that maximizes its useable length.

For securing the door in the closed position, do not employ any other latching devices than those specified in the present document. This does not preclude the installation of automatic closing devices.

Different external access devices than those found on the list of certified components on pages 4/4 are considered unacceptable.

The SLASH panic bar is also designed for installation on hollow metal doors with an internal cell structure.

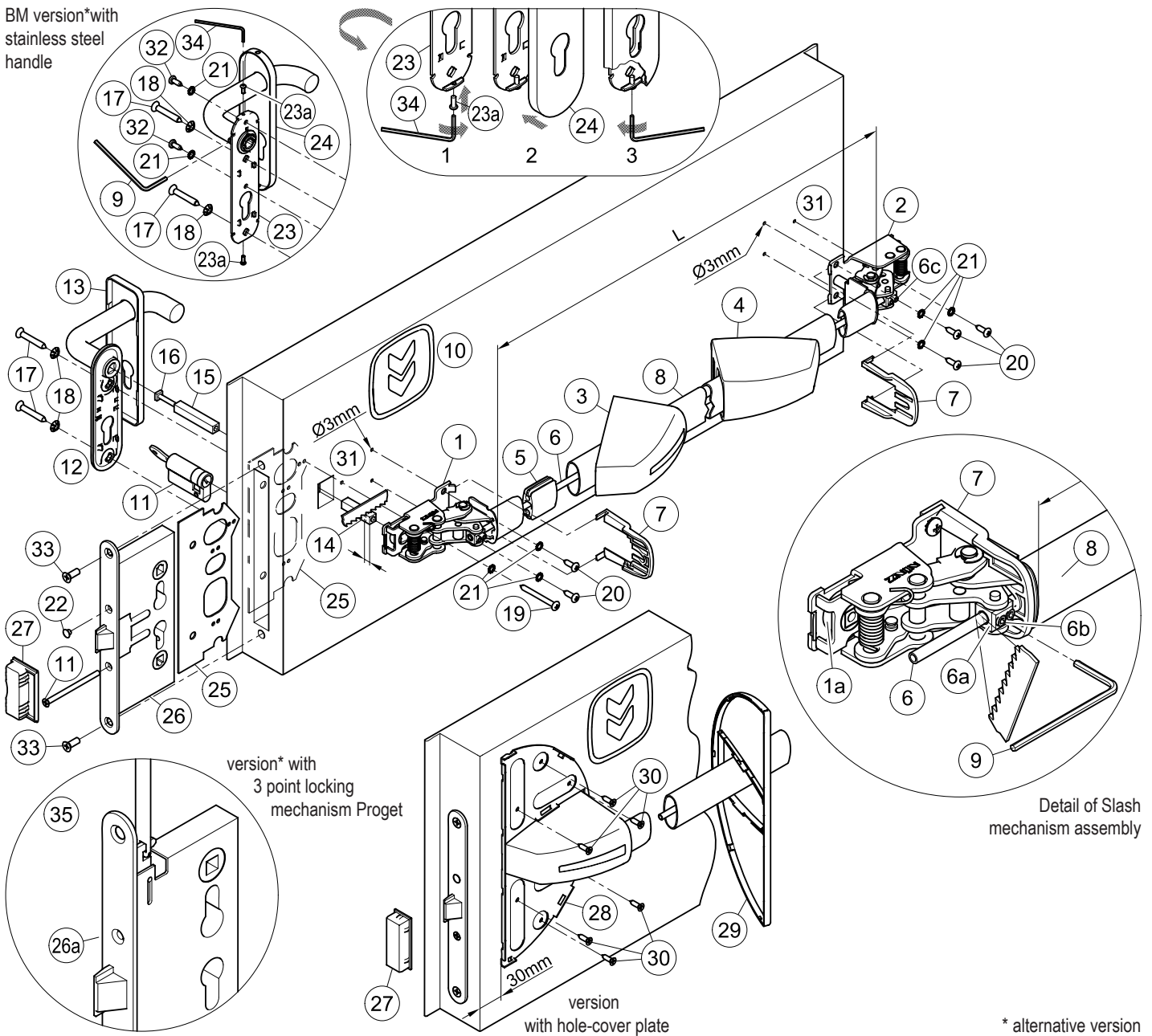
If a door closer is needed to return the door to the closed position, care should be taken not to make the opening step more difficult for children, the elderly and the disabled.

A pictogram (arrow) should be positioned immediately above the horizontal bar on the internal side of the door.



All of the included components described herein must be positioned and mounted in conformity with the present document.

BM version*with stainless steel handle



CONTENTS OF THE SLASH BM PANIC BAR PACKAGE


position	pcs.	description	position	pcs.	description
1, 2	01	Slash mechanism assembly	21	06	Toothed washer (8 pcs. for stainless steel version)
3, 4	01	Slash carter set	22	01	Black cap hole Ø8,8mm
5	01	Guide for connection pipe	23	01	Stainless steel handle with galvanized steel installation plate and fastening socket set screw
6	01	Connection pipe	23a	02	M3x8mm pan head screw
7	02	Protection	24	01	Stainless steel cover plate
8	01	Horizontal bar in anodized aluminium	25	01	Subplate
9	01	S3 hex key	26	01	Panic safe lock
10	01	Adhesive pictogram (green arrow)	26a	01	Central panic safe lock for 3 point locking mechanism Proget door
11	01	Standard nickel-plated half cylinder with three keys and fastening screw	27	01	Proget strike box lock
12	01	Handle with galvanized steel installation plate	28	01	Hole-covering base plate
13	01	Black plastic cover plate	29	01	Cover for hole-covering base plate RAL 9006
14, 15	01	Square spindle 9x9x(55+40)mm	30	06	Self-drilling countersunk screw Ø4,2x16mm
16	01	M5 screw	32	02	Pan head self tapping screw Ø4,2x13mm
17	02	Self-tapping countersunk screw Ø5,5x38mm	34	01	S2 hex key
18	02	Toothed washer	-	01	A034 hole-drilling template
19	01	Pan head self-tapping screw, Ø4,8x50mm (Proget+Univer) or Ø4,8x38mm (Rever)	-	01	Slash BM panic bar installation instructions
20	05	Pan head self tapping screw Ø4,8x16mm			

Please note that article 4 of the MD of 03 November 2004 obliges the installer to write up, sign and provide the owner of the activity with a declaration of proper installation that makes explicit reference to the instructions supplied by the exit device manufacturer.

TOOLS REQUIRED



Medium-sized Philips-head screwdriver or electric screwdriver, electric drill with Ø2 and Ø3mm drill bit for steel, fine-toothed hack-saw and hack-saw for aluminium.

IMPORTANT

- Installation should be carried out by qualified personnel only and in strict conformity with the instructions supplied.
- For a correct installation all supplied components must be used, including toothed washers.
-  - No variations are allowed, and only components indicated in the package contents may be used.
- Given its purpose, the Slash BM panic bar should be mounted on the push-side of the door.
- Before proceeding with installation, check the package contents to ensure that no pieces are missing.
- Check the type of lever handle to apply and follow the specific instructions.
- Any different installation configuration from that illustrated on pag. 2/4 is not allowed.


INSTALLATION

- First disassemble any handles or bar components that are already present.
- Unscrew the two frontal screws (33) and take away the existing lock (26 or 26a). Insert the subplate (25) in the hole intended for the lock case. Install the new panic safe lock (26 or 26a) and fasten it with the same two frontal screws (33). In case of Proget door with three-point locking mechanism, making sure to center the square holes of vertical rods, see part. (35).
- Insert the half cylinder (11) and fasten it temporarily with the screw (11) then remove the key. If the hole of the subplate (25) does not match with the half cylinder, take away the lock (26) and turn the subplate upside down.
- For Rever door adjust the threaded square spindle (14) reducing its length for 5mm; be careful to cut the bevelled side.
- Insert the square spindles (14 and 15) into the lock for connecting them by tightening the respective screw (16).
- In case of stainless steel handle (23), screw onto his installation plate the screws (23a), just enough to insert the cover plate (24).
- Approach the handle (12 or 23) to the leaf from pull-side taking care to centre the square spindle and fasten it with the screws (17) and their toothed washers (18) by centering the respective holes of the subplate (25).
- In case of plastic handle (12) insert the cover (13) over the handle and clip it manually on the installation plate.
- Use the template to drill the holes (31) with the Ø3mm drill bit, checking the level. If holes are already present, drill them again for the internal reinforcement.
- Insert the operating mechanism (1) of the panic bar, to the lock-side (push-side of the door), with the lift of the cam (1a) turned downwards, over the square spindle (14). Fasten the mechanism starting with the two Ø4,8x16mm screws (20), then with the Ø4,8x50mm (Proget/Univer) or Ø4,8x38mm (Rever) screw (19), with their toothed washers (21).
- In case of Univer and Rever doors, apply the hole-covering base plate (28) after having provisionally clipped on the carter (3) on the mechanism. Center it vertically above the carter and at a distance of 30mm from the edge of the leaf (see drawing). Fasten the hole-covering base plate provisionally with the two more external screws (30) by first drilling holes in the metal panel with the Ø2mm drill bit, then positioning the cover (29) to verify that it attaches correctly without interfering with the carter. If everything matches, complete fastening with the remaining screws (30) after removing the cover (29) and the carter (3).
- Fasten the mechanism (2) of the panic bar at hinged side, using the self-tapping screws Ø4,8x16mm (20) and their toothed washers (21).
- Make a precise "L" measurement, cut the horizontal aluminium bar (8), and remove the burrs from the cut edge. Insert the guide (5) for the connection pipe in the center of the bar (8).
- Take out the mechanism (2) in order to insert the horizontal bar (8) in the operating mechanism (1); then insert also the connection pipe (6) until it passes through the block (6a).
- Insert the plastic carters in the horizontal bar, first the one with the sticker (3), then the other one without (4). For Univer or Rever doors insert also the cover (29) between the two carters. Join the bar with the hinged side mechanism (2) inserting also the connection pipe (6) before re-fastening the mechanism at the door.
- Fasten provisionally the connection pipe (6) so that it not protrudes from the block, by screwing the two socket set screws (6c) of the hinged side mechanism (2) with the S3 hex key (9).
- Maintaining pulled the horizontal bar (8) block the connection pipe (6) by screwing lightly the two socket set screws (6b) of the operating mechanism (1). Then verify that the latch bolt retracts completely by pushing the end of the bar from hinged side. In this case screw the four socket set screws (6b and 6c) until they not protrude from the block. Otherwise loosen the socket set screws and repeat the operation, making sure that the connection pipe is kept under tension. Lastly cut off the protruding piece of the connection pipe.
- Insert the protections (7) in the designated guides of both mechanisms.

- Apply the carters (3 and 4) on the relative mechanisms while ensuring that the protections (7) remain in their position. Clip on the carters by pushing softly the horizontal bar; first the wide side, then the narrow side. If present, clip on the cover (29) at the hole-covering base plate (28).
- Finish fastening the half cylinder (11), insert the little cap hole (22) in the open hole of the panic safe lock (26 or 26a).
-  - Push the Slash BM panic bar at any point along the horizontal bar, checking to ensure that the latch bolt of the central safe lock opens easily and fully. Use the same method to check the external handle and also the key. Test the door in both open and closed positions and if necessary, file down the plastic strike box (27) of one-leaved doors, or the panic safe lock for inactive leaf of two-leaved doors. In case of Proget door with three-point locking mechanism, the latch bolts of lock-levers and/or their strike box have to be considered too.
- In case of stainless steel handle (23) it is also necessary to fasten his installation plate using the Ø4,2x13mm self-tapping screws (32) and their toothed washers (21) after drilling holes in the metal panel with the Ø2mm drill bit. Insert the cover (24) onto the handle (drw. 2). Using the S2 hex key (34) to unscrew the screws (23a) until the cover become fixed, avoiding any deformations (drw. 3). Insert and fasten the socket set screw well with the S3 hex key (9).
- Apply the pictogram (10) with the green arrow on the internal surface of the door, just above the horizontal bar.
-  - Lastly, use a dynamometer to measure the force required on the horizontal bar to release the lock. Record this force measurement in the present document.





USE

- Ensure that the door always opens easily.
- Avoid unnecessary strains on or handling onto handle and exit bar.
- Protect the panic bar from external atmospheric agents.
- Avoid anything that could hamper the free movement of the bar.
- Do not paint the lock and any lock-lever.
- Use the bar properly, do not pull it in the wrong direction.
- Do not leave the key in the lock.

-  - Make sure that any damaged or malfunctioning parts are replaced immediately.

MAINTENANCE

To ensure that door usage conforms with regulations, the following maintenance checks should be carried out at least once a month:

- Confirm that all of the installed components correspond with those listed in the present instructions and that no other latching devices than those originally installed have been added to the door.
- Inspect and activate the panic bar to verify that all of its components are in satisfactory operational condition.
- Use a dynamometer to confirm that the release force shows no significant differences from the forces recorded at the time of installation.
-  - Check whether all screws are fully tightened, tightening any that may have loosened.
- Check whether panic bar, handle and key can be moved with minimal effort, and that the latch bolt of the central safe lock retreats from the strike box without offering resistance. If the door has become difficult to open due to friction, the resistance can be reduced by filing the strike box down to the appropriate height. In case of Proget door with three-point locking mechanism, the latch bolts of lock-levers and/or their strike box have to be considered too.
- Activate the Slash BM panic bar at both ends of the horizontal bar, checking to ensure full retraction of the latch bolt of the central safe lock and of any lock-levers in both cases.
- Ensure that the latch bolt of the central safe lock and of any lock-levers exits completely when the horizontal bar is released.
- Check the horizontal bar and replace it if any damage or deformities are detected.
-  - Check whether the inserts and strike boxes are blocked in any way and eliminate any obstructions.
- This product requires no special maintenance. Grease spray should be used to lubricate the internal workings of lock, lock-levers (for Proget door with three-point lock mechanism only), handle and panic bar on a regular basis – the latter has a hole on its carter for this purpose.
- For normal cleaning use mild detergents.
-  - Any adjustments that become necessary must be carried out by qualified personnel using original NINZ replacement parts.
-  - The owner of the activity is responsible for keeping the declaration of correct installation on file, conducting proper panic bar maintenance in accordance with all of the manufacturer's maintenance guidelines, keeping maintenance and check-up records and preserving the present document.



SPARE PARTS (see exploded drawing at page. 2/4)

position	code	description
1, 2, 3, 4, 5, 7, 10	3102002.001	Slash latch case – black plastic
1, 2	3105119.001	Slash assembly mechanism
3, 4	3105171.001	Slash carter set
5, 7	3105130.001	Slash 2 protections + 1 plastic piece set
6, 8	4204010	Anodized or painted aluminium bar set
9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	4211102.001	Slash BM set - black plastic
9, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 23a, 24, 32, 34	4211102.021	Slash BM set – stainless steel
11	4202103.001	Standard nickel-plated half cylinder 40/10 for Proget/Univer thckn. 60mm
11	4202103.002	35/10 for Univer thickness 50mm
11	4202103.003	30/10 for Rever
25	3407013.001	Reinforcement plate
26	3201001.016	Panic safe lock to push (AP 16/18)
26a	3201001.018	Central panic safe lock for 3 point locking m. Proget door (3vie APP)
27	4212024.001	Set of 10 Proget strike box lock
27	4212025.001	Set of 10 Univer thk60 strike box lock
27	4212026.001	Set of 10 Univer thk50 strike box lock
27	4212027.001	Set of 10 Rever strike box lock
28, 29, 30	4204020.001	Slash hole cover + base plate + screws - color RAL 9006



FOR REPLACEMENTS USE ORIGINAL NINZ REPLACEMENT PARTS FROM ITS FULL CERTIFIED SYSTEM ONLY!

Certified components for SLASH BM

Panic exit device:	serie "SLASH"
Panic safe lock:	art. AP 16/18, 3201001.018, MAC 1 3201001.041/042
Lock-levers:	art. 4201010
Vertical rods:	art. 3305013
Lock strike box:	art. 2401006, 2401005, 2401015, 2401014, 2401035
External control:	art. BM, BM inox

PROPER DISASSEMBLY

When some parts or all of the panic bar needs to be replaced, the general guideline is to reverse the order of the original installation instructions. To replace the lock, all parts of the panic bar in the locking device zone must be disassembled, including the external handle. The lock itself (26 or 26a) can be removed by unscrewing the two frontal screws.



This operation should be carried out with great care in order not to damage or move the components located inside lock housing!

MAINTENANCE RECORD			
date	description of the intervention	release force checked	operator



These instructions should be given to the owner of the activity, who must preserve them as a record of the maintenance operations carried out on the panic bar.