

Denomination **TWIST PANIC EXIT DEVICE**

COMMERCIAL CODES
 TWIST B for PROGET doors

art. 4201101.046

Name and address of the producer
 NINZ S.p.A. - corso Trento 2/A
 I-38061 ALA (TN) - ITALY

Classification nr.

Year application trademark
 2007

- 1st Character - grade 3 - Category of use: high frequency
- 2nd Character - grade 7 - Durability: 200.000 cycles
- 3rd Character - grade 7 - Mass of the door: over 200kg
- 4th Character - grade B - Suitable for use on fire/smoke rated doors
- 5th Character - grade 1 - Safety: suitable for emergency exits
- 6th Character - grade 3 - Highly resistant to corrosion 96h
- 7th Character - grade 2 - Safety of goods: 1000N
- 8th Character - grade 1 - Protrusion of the exit bar: up to 150mm
- 9th Character - grade A - Activation type: push bar
- 10th Character - grade A - Suitable for 1 or 2 leaved door



Standard EN 1125:2008

Certification authority nr.
 0425

Suitable for doors with one leaf or for the active leaf (primary) of two-leaved doors up to 1350x2880mm/leaf in size, a mass of up to 300kg/leaf, mounted on hinges or pivots, fire resistant up to EI²120 – REI120 and smoke proof. Protrusion of the exit bar: 100mm.

CE certification number
 0425 CPD 1228

Classification 3 7 7 B 1 3 2 1 AA

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 push-bars. Composed of galvanized steel controls, black plastic casing and lever and horizontal aluminium bar.

This product does not contain or release any hazardous materials, as per UNI EN standard nr. 1125 appendix ZA.

OPERATION MODE

From the pull side (without external holes) the door can not be opened. Opening is possible from the push side at any time by pushing on the horizontal bar of the TWIST B panic bar.

WARNINGS

The TWIST 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.

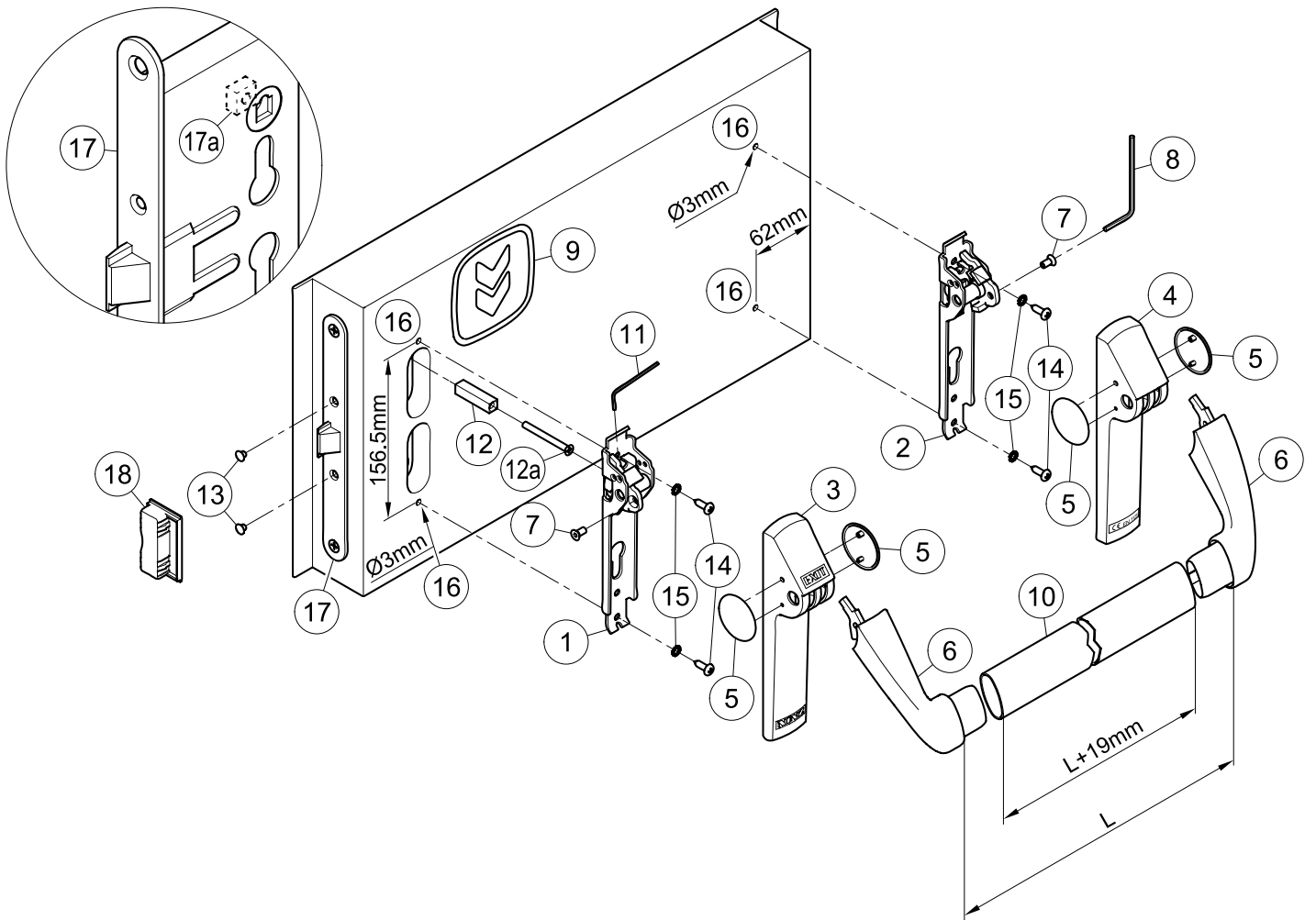
The TWIST panic bar is also designed for installation on hollow metal doors with an internal cell structure.

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.



CONTENTS OF THE TWIST B PANIC BAR PACKAGE

position	pcs.	description	position	pcs.	description
1, 2	01	Twist/Exus mechanism assembly	12, 12a	01	9x9x38mm square spindle with hole to pass and M5x50mm Philips-head countersunk screw
3, 4, 5	01	Twist/Exus LP carter set with plugs	13	02	Black cap hole Ø8,8mm
6	01	Twist set carrier arms	14	04	Pan head self tapping screw Ø4,8x16mm
7	02	M5x10mm hex socket countersunk screw	15	04	Toothed washer
8	01	S3 hex key	-	01	A034 hole-drilling template
9	01	Adhesive pictogram (green arrow)	-	01	Twist B Proget panic bar installation instructions
10	01	Horizontal bar in anodized aluminium			
11	01	S2 hex key			


 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.

 - The panic lock (17) and the respective strike box (counterstrike) (18) are delivered already mounted on the door!




TOOLS REQUIRED

Medium-sized Philips-head screwdriver or electric screwdriver, electric drill with 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 Twist B 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 if the door is equipped with the panic safe lock.
- Any different installation configuration from that illustrated on pag. 2/4 is not allowed.

INSTALLATION



-  - Insert the M5x50mm screw (12a) into the countersunk hole of the square spindle (12) and fasten it at the threaded insert (17a) of the panic safe lock (17) by tightening well the screw.
- Use the template to drill the holes (16) with the Ø3mm drill bit, checking the level. If holes are already present, drill them again for the internal reinforcement.
- Apply the operating mechanism (1) to the lock side (push-side of the door) and centre the square spindle (12) correctly. Fix the mechanism (1) at the leaf by fastening the Ø4,8x16mm self-tapping screws (14) and their toothed washers (15).
- Fix the square spindle (12) at the operating mechanism (1), using the S2 hex wrench (11).
- Fasten the mechanism (2) of the panic bar at hinged side, using the self-tapping screws Ø4,8x16mm (14) and their toothed washers (15).
- Put the plastic carter with "EXIT" wording (3) on the operating mechanism (1) and the other one (4) on the hinged side mechanism (2), snapping them on manually.
- Apply the carrier arms (6) and fasten them with the dedicated screws (7), tightening them securely with the included S3 wrench (8).
- Make a precise "L" measurement, cut the aluminium bar (10) adding 19mm and remove the burrs from the cut edge. Remove one carrier arm, attach the bar and re-fasten the entire assembly.
- Apply the plugs (5).
- Insert the two caps (13) in the open holes of the panic safe lock (17).
-  - Push the Twist B panic bar at any point along the horizontal bar, checking to ensure that the latch bolt opens easily and fully. Test the door in opened and closed position and if necessary file down the plastic strike box (18) of one-leaved doors or the panic safe lock for inactive leaf of two-leaved doors.
- Apply the pictogram (9) 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 of the 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.
- Use the bar properly, do not pull it in the wrong direction.
-  - 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 exit bar can be moved with minimal effort, and that the latch bolt 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.
- Activate the Twist B panic bar at both ends of the horizontal bar, checking to ensure full retraction of the latch bolt in both cases.
- Ensure that the latch bolt 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 the lock and panic bar on a regular basis
 - the latter has a hole on its carter for this purpose, located below the carrier arms.
- 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 exit bar maintenance in accordance with all of the manufacturer's maintenance guidelines, keeping maintenance and check-up records and preserving the present document.

 ATTESTATO DI CONFORMITÀ DIRETTIVA 89/106/CEE CERTIFICATE OF CONFORMITY DIRECTIVE 89/106/CEE		 0425	
<small>Questo certificato è rilasciato in conformità a quanto prescritto dall'Art.6 par.2 lettera b) del DPR 21 aprile 1993, n°246 (Direttiva 89/106/CEE) ed attesta la conformità del prodotto di seguito identificato agli Art.1, Art.2 ed allegato A del DPR 21 aprile 1993, n°246 (Direttiva 89/106/CEE). This certificate has been issued in conformity to what prescribed by the Art.6 par.2 letter b) of the DPR 21/04/1993, n°246 (Directive 89/106/CEE) and certifies the conformity of the product described below to the Art.1, Art.2 and attachment A of DPR 21/04/1993, n°246 (Directive 89/106/CEE).</small>			
ATTESTATO N°		0425 CPD 1228	
CERTIFICATE N°			
Organismo notificato		Notified Body	
ICIM S.p.A. - Piazza Don Mapelli, 75 - 20099 Sesto San Giovanni (MI) ITALY		Identification number: 0425	
Dati Fabbricante		Manufacturer	
Sede legale NINZ S.p.A. Corso Trento, 2/A - 38061 ALA (TN) ITALY		Head office	
Unità operativa		Operative unit	
Dati prodotto		Product	
Tipologia DISPOSITIVI ANTIPANICO PER USCITE DI SICUREZZA AZIONATI MEDIANTE UNA BARRA ORIZZONTALE PANIC EXIT DEVICES		Type	
Denominazione Dispositivo antipatico serie "TWIST" "EXUS LP" "EXUS LA" "EXUS LX".		Denomination	
Serrature antipatico art. AP16/18, SCA 1 3201001.0191020, MAC 1 3201001.041042, 4506002.17 (V), 3201001.018, 485-65-0, 4506002.22 (V), B18310-02-RL-8 (V), B18370-04-LJ-8 (V).			
Controserrature antipatico art. AP020P, AP020U, 4506003.18 (V), 3201001.6, 43190-95, B1890.1004 (V).			
Dispositivo superiore art. 3105080, 3105024, 4506003 (V), 3305003, B1795.0001 (V), B1895.0003 (V).			
Riscontro asta art. 2401036, 2401046, 2401044, 4506005 (V), 2401002, B9000.0567 (V), B9000.0490 (V).			
Boccia pavimento art. 2401001, 2401007, 3105091, 4509006 (V), 2401020, 4419008, B9028.0001 (V).			
Deviatori art. 4201010.			
Aste verticali art. 3305015, 3305016, 3305002, 4509003 (V), 3305013, 990837, B9006.0014 (V), B9006.0005 (V).			
Riscontro serratura art. 2401006, 2401005, 2401015, 2401014, 4506006 (V), 2401006, 2401035, 3412001, B9000.0402 (V).			
Comandi esterni art. BM, BSP, BS, BMC, BC, B, A, BM inox, BM alu, BSP inox, BSP alu.			
Sistema di attestazione della conformità 1		Attestation of conformity	
Norma di riferimento EN1125:2008		Standard	
Classificazione 3 7 7 B 1 3 2 1 A A		Classification	
Eventuali estensioni		Extensions	
Nessuna / None			
Eventuali condizioni di subordinazione della Certificazione CE		Possible conditions of subordination of the CE Certification	
Nessuna / None			
<small>Il presente attestato è valido esclusivamente per il prodotto indicato. Eventuali varianti da apportare devono essere approvate da ICIM S.p.A. The present issue is valid only for the product described above. Possible changes to have to be approved by ICIM S.p.A.</small>			
Data di emissione		Emissione corrente	
First issue		Current issue	
Data di scadenza		Expiring date	
18/04/2007		26/06/2013	
		17/04/2017	

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

position	code	description
1, 2, 3, 4, 5, 6, 7, 8, 9	3102004.001	Twist latch case - black plastic
1, 2	3105113.001	Twist/Exus assembly mechanism
3, 4, 5	3105104.001	Twist/Exus LP carter set with plugs
6	3105122.001	Twist set carrier arm
7, 8	3105026.001	Twist/Exus bag
10	4204009	Anodized or painted aluminium bar set
11, 12, 12b, 13, 14, 15	4211101.006	Twist/Exus B set
17	3201001.016	Panic safe lock to push (AP 16/18)
18	4212024.001	Set of 10 Proget strike box lock


Certified components for TWIST B

- Panic exit device: serie "TWIST"
- Panic safe lock: art. AP 16/18
- Lock strike box: art. 2401006
- External control: art. B

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


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. The lock itself (17) 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.