

USE AND MAINTENANCE INSTRUCTIONS FOR HORIZONTALLY SLIDING FIRERATED ROLLING DOORS

Ordinary maintenance must be provided for so as to guarantee the optimum functions of firerated doors. The best functioning of your door will be achieved by following these few indications. According to the rules in force the doors must be kept free from obstructions that may prevent its normal closing.

It is advisable to perform maintenance with the following intervals:

- 6 months or 5000 cycles;
- 4 months, if a door is normally opened with electromagnets.

Clean and lubricate the mechanical components with genuine Dierre lubricant (D-FLU).

Fitting of the product must be performed following the instructions provided by Dierre. The fitter is responsible for the fitting and fine working of the product.

Dierre are not to be held responsible for irregularities due to the incorrect fitting of the product. Contact your local Dierre technical assistance in the event of specific problems.

NOTES

STORAGE

After unloading has been performed, place the goods away from the exposure of the weathering agents. Possible general defects must be listed on the copy of the packing list to be returned to the driver and the manufacturer must immediately be informed through a registered letter. Other possible defects must be communicated to the manufacturer within 8 days from delivery, by means of a registered letter. Defective products must in any case not be fitted and must be made available to the manufacturer or entrusted person for a possible inspection.

BRICKWORK OPERATIONS

Perform the necessary brickwork operations as foreseen in the fitting instructions. It is the user's responsibility to provide ordinary and extraordinary maintenance of the door. It is good practice to fill-in and seal the gaps between frame and wall with cement mortar and where this is not possible, with intumescent materials.

PAINTING

Standard supplies are in galvanised and primed in class 0 sheet metal in ivory white epoxy polyester similar to RAL 9010. Galvanising complies with the UNI EN 10346:2009 / UNI EN 10143:2006 standard and the primed finishing complies with the UNI EN 10169:2012 standard.

Good resistance to the weathering and aggressive agents, in case of repainting opacity the surface with a slight sanding and paint with enamels or water-based varnishes. It is advisable not to use nitro-based enamels.

DISPOSAL

In the case of disposal of the product it is advisable to separate the metal parts from the inside of the leaves and dispose at specific sites as it contains: mineral wool, silicates, plaster, ceramic fibers and other materials. For all the components/accessories of the door follow the disposal regulations for the type of material they are composed of.

PROTECTION

The leaves of the door are protected with a film that shall be removed only after site work has been completed.

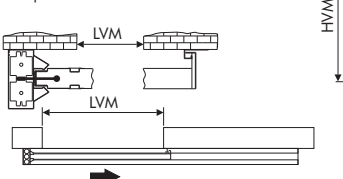


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ROLLING MAIN DOOR S01 VERSION

(Rh push open)

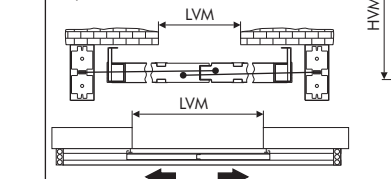
Armoured cement architrave to fix the guide support shelves with \varnothing 12x80 expansion bolts minimum.



ROLLING MAIN DOOR S02 VERSION

(Rh push open)

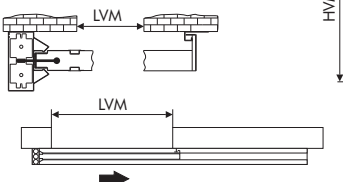
Armoured cement architrave to fix the guide support shelves with \varnothing 12x80 expansion bolts minimum.



ROLLING MAIN DOOR SA1 VERSION

(Rh push open)

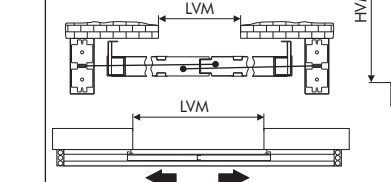
Traversa di riporto in acciaio coibentata 100x250



ROLLING MAIN DOOR SA2 VERSION

(Rh push open)

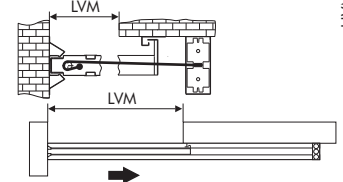
Cross bar in insulated steel 100x250



ROLLING MAIN DOOR SB1 VERSION

(Rh push open)

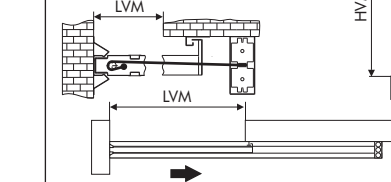
Armoured cement architrave to fix the guide support shelves with \varnothing 12x80 expansion bolts minimum.



ROLLING MAIN DOOR SC1 VERSION

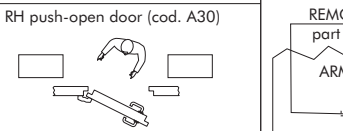
(Rh push open)

Cross bar in insulated steel 100x250

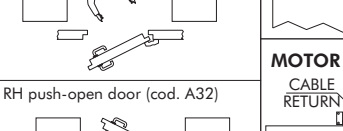


PEDESTRIAN DOOR OPENING CONFIGURATION

RH push-open door (cod. A30)



LH push-open door (cod. A31)



RH push-open door (cod. A32)



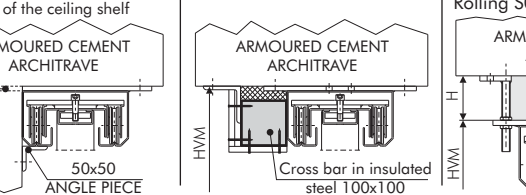
LH push-open door (cod. A33)



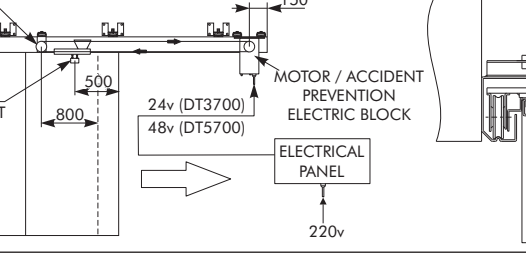
CEILING GUIDE FIXING

(available for Rolling S01, S02 and SB1)

SECTION ON WALL REMOVE the protruding part of the ceiling shelf



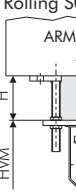
SECTION ON PASSAGE OPENING



CEILING GUIDE FIXING WITH PULLING DEVICES

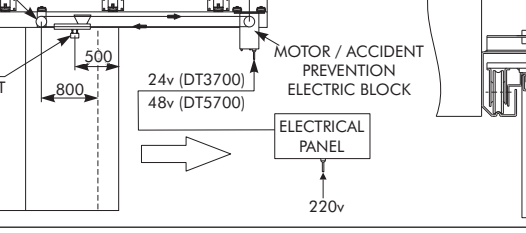
(available for Rolling S01, S02 and SB1)

ARMOURED CEMENT ARCHITRAVE

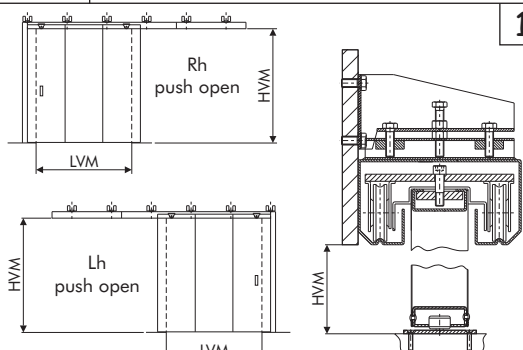


MOTOR FITTING / ACCIDENT PREVENTION ELECTRIC BLOCK

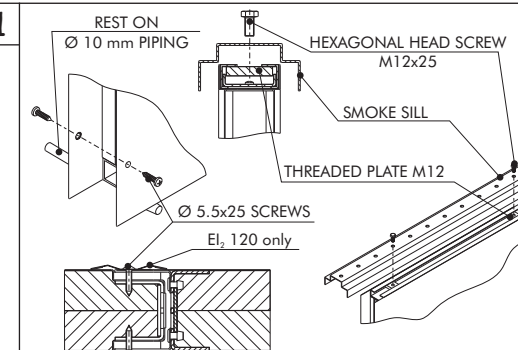
(available for Rolling S01, S02 and SB1)



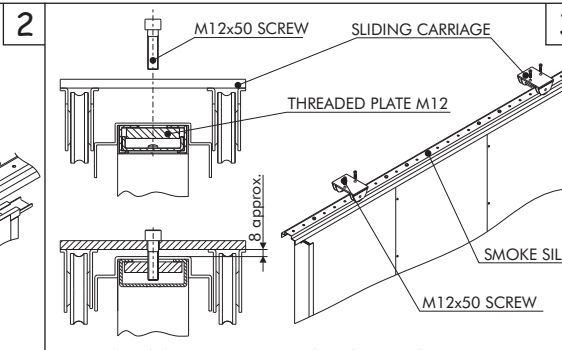
USE AND MAINTENANCE INSTRUCTIONS FOR HORIZONTALLY SLIDING FIRERATED ROLLING DOORS



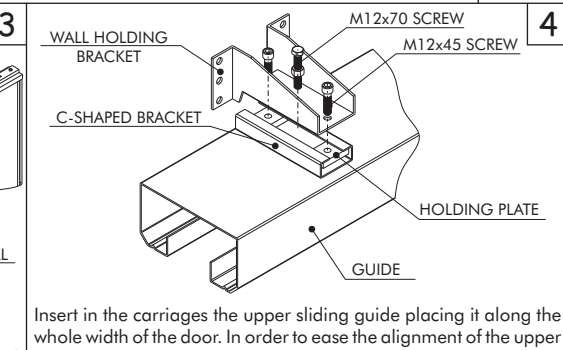
Verify: HVM (wall opening height), LVM (wall opening width). Verify the door opening hand. N.B. - In the event of double leaf with twin leaves, there is no opening hand.



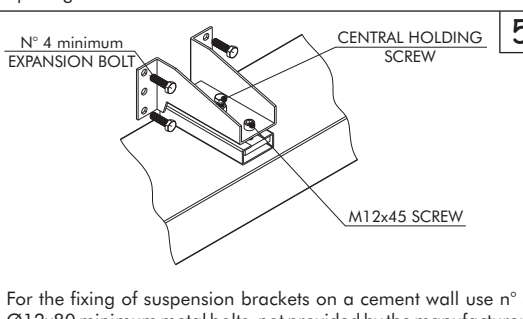
Insert all the panels and screw them together by means of suitable \varnothing 5.5x25 self-tapping screws, do not tighten them too much. Rest the upper "C"-shaped fume labyrinth on the upper edge of the door and screw it to the threaded M12 plates by means of M12x25 hexagonal head screws.



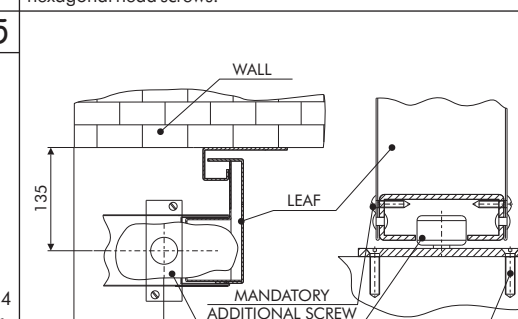
Screw the sliding carriages to the plates with M12x50 enclosed hexagonal head screws, leaving distance 8 mm. Before proceeding with the final tightening of the screws, verify the alignments, the dimensions, the position of components. Then proceed with the tightening of all the screws of the holding plates, of the carriages and of the smoke sill.



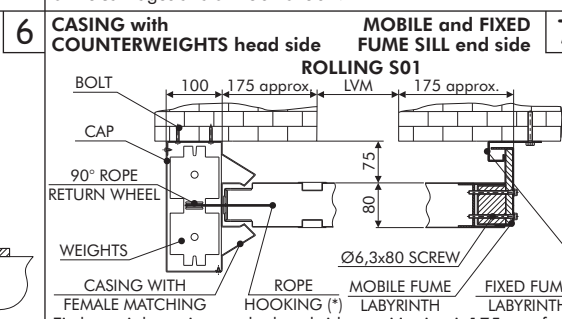
Insert in the carriages the upper sliding guide placing it along the whole width of the door. In order to ease the alignment of the upper guide, joints have been welded to the terminal points where a knurled pin has to be inserted. Insert in the brackets, welded to the C-shaped profile, the suitable holding plates for the wall fixing. Connect the wall fixing brackets to the specific plate by means of M12x45 bolts.



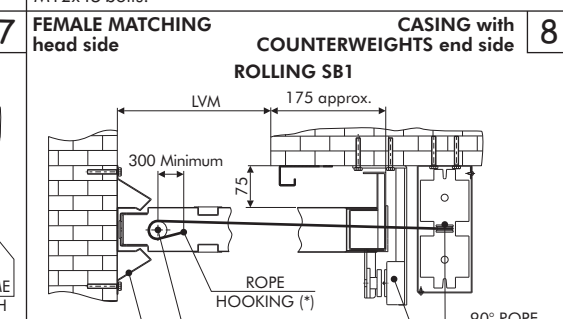
For the fixing of suspension brackets on a cement wall use n° 4 \varnothing 12x80 minimum metal bolts, not provided by the manufacturer. Fix the wall holding brackets by means of metal bolts, suited to the type of wall. Place the door level, screwing or unscrewing the M12x45 bolts, depending on the case. Once the perfect alignment has been found, block everything with the central screw. It is further advisable to apply a welding spot between the bracket and the C-shaped profile in order to make sliding united and rigid.



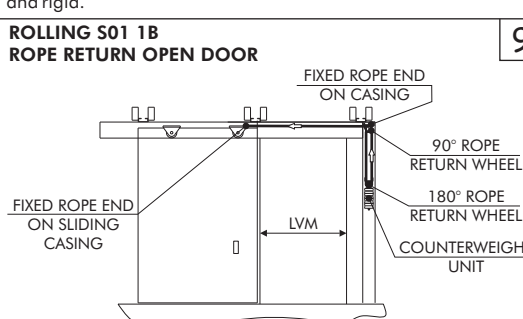
Position the lower floor guiding roller, the distance between the two shall be 135 mm approx. from the wall edge and 100 mm approx. from the wall side, paying attention to the straightness of the Rolling door, fix to the floor with \varnothing 6x60 bolts.



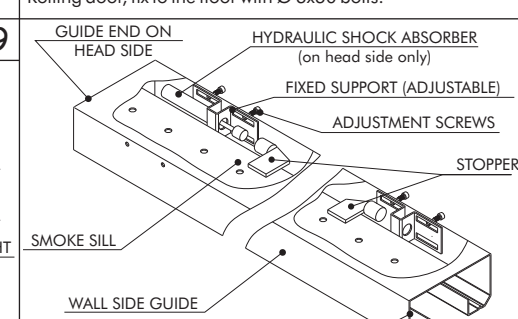
Fit the weight casing on the head side, positioning it 175 mm from the wall edge. Fix the casing to the wall by means of metal bolts suited to the wall type. Then wall-fit the lateral fixed fume labyrinth by means of suitable metal bolts being minimum \varnothing 9x60. In the event of double leaf Rolling, two lateral fixed fume labyrinths will have to be fitted and two lateral counterweight casings with no female matching. (*) Hooking rope clamp on the 1st hole of the side member.



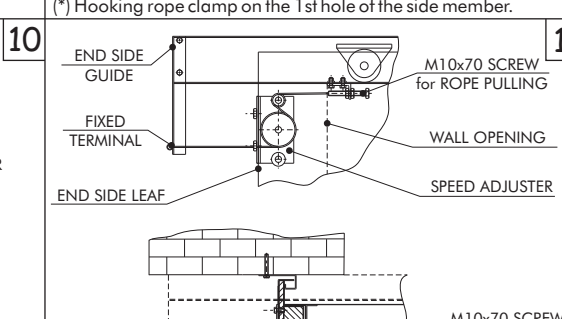
An open Rolling door is shown in the picture, with electromagnets on the end side and controlled by the 24 volt d.c. fireproof box. Such installation is more advisable than that with thermalfuse. (*) Hooking rope clamp on the 1st hole of the side member.



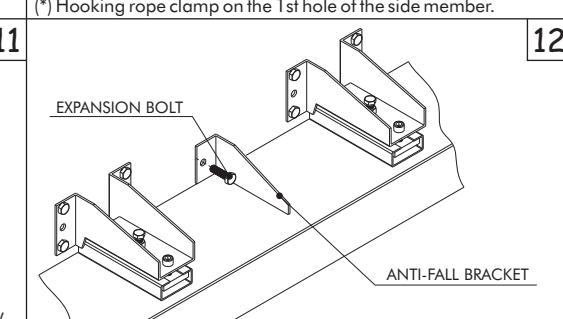
For doors working normally closed, the leaf closes automatically by means of the pulling of directly connected weights. For doors normally open the leaf is held open through an opening device, see fig. 8, or main doors with free operation are supplied for surfaces being a maximum of 9m². In this case weights are held always above by means of 2 electromagnets or by a thermalfuse plate and the leaf can be stationary in any position.



Rolling can be equipped with a special damper and with a hydraulic shock absorber for the adjustment of the closing strength, so as to stop the movement. A mobile part and a fixed one compose the two mechanisms. The exact closing position can be defined by acting on the two adjustment screws.



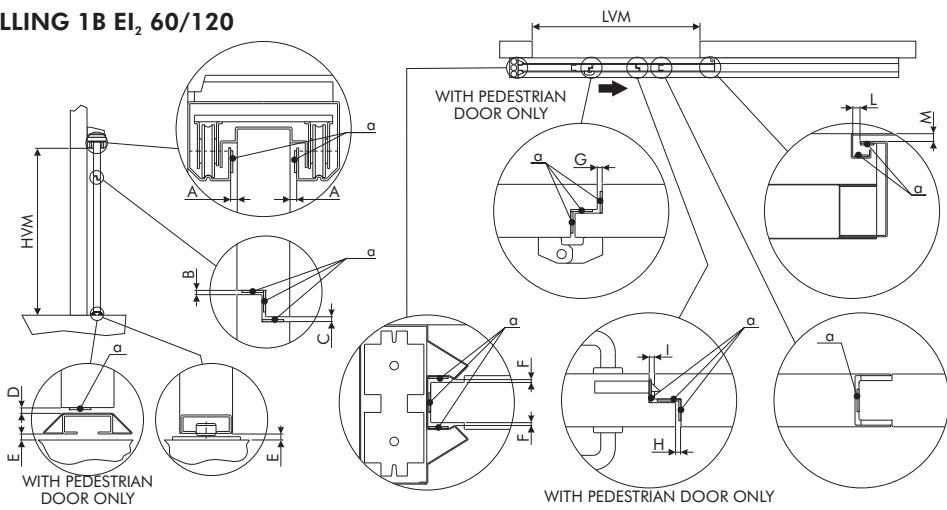
For main doors being over 12m², fitting of the speed adjuster is compulsory so as to achieve a controlled closing speed, in compliance with the current regulations.



After making all the suitable adjustments, as indicated in the pictures below, bolt-fix to the wall the anti-fall brackets.

USAGE GAP AND SEALS

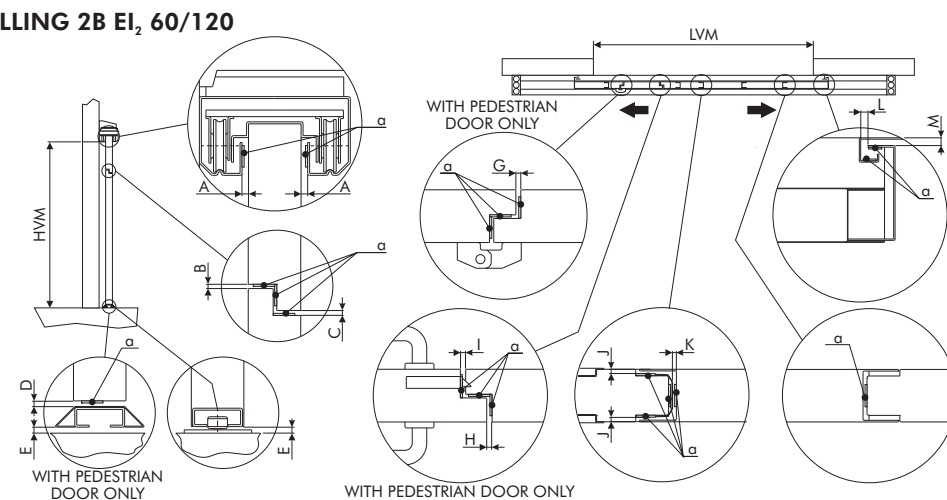
ROLLING 1B EI₂ 60/120



MAXIMUM SIZE										
A	B	C	D	E	F	G	H	I	L	M
10 mm	8 mm	5 mm	8 mm	10 mm	4 mm	8 mm	8 mm	8 mm	6 mm	12 mm

SEALS		
a	30x2	cod. 515

ROLLING 2B EI₂ 60/120



MAXIMUM SIZE											
A	B	C	D	E	G	H	I	L	K	J	M
10 mm	8 mm	5 mm	8 mm	10 mm	8 mm	8 mm	8 mm	6 mm	6 mm	5 mm	12 mm

SEALS		
a	30x2	cod. 515

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IDENTIFICATION PLATE

CERTIFYING BODY	MANUFACTURER NAME	PRODUCTION YEAR (*)
TEST CERTIFICATE NO. (*)	TREDI - GRUPPO DIERRE - ANNO 2014	
MINISTERIAL APPROVAL	RINA CERTIFICATO RINA0008FR OM. MIN. TO004EI2060P065 ROLLING 1B 60-1 N. PROGRESS. 00003512	
PROGRESSIVE PRODUCTION NO. (*)	TRADE NAME OF THE DOOR / CLASSIFICATION	

(*) Data to provide for information

ACCESSORIES

REPRESENTATION	DESCRIPTION	DIERRE PRICE LIST CODES	REPRESENTATION	DESCRIPTION	DIERRE PRICE LIST CODES
	Fire lock for pedestrian door	108		Damper	064
	Panic lock for pedestrian door	106			
	Panic Bars for pedestrian door	545 J 542 F 854 F 543 543 A		Speed adjuster	067
	Hinge with spring for pedestrian door	379		Door closer	720, 721 722, 723 724, 725 H43, H44 730, 731 732, 733 738, 739
	Adjustable hinge for pedestrian door	163			
	Standard handle for pedestrian door	304			
	Lowered handle for pedestrian door	931			

ROUTINE / EXTRAORDINARY MAINTENANCE following UNI 11473-1

- Verification of the presence on the door of the conformity mark (plate). The plate is ALWAYS present for certified fire doors and is located on the module in the tail.
- Verification of the absence of improper stops of any kind placed to hold the leaves open. There should be no objects to hinder the passage of people by reducing the opening width or the height.
- Verification of the presence, integrity and correct installation of heat-expanding seals.
- Verification of the correct fixing and plays of the door.
- Verification of the integrity of the door. There should be no holes, dents, distortions, corrosion, ... otherwise refer to the Dierre technical manager in your area.
- Verification of the carrying capacity of the supports components (beams,...) where the anchorages of the guides, bearing boards will rest and that in any case will be subject to load, to be carried out with reference to the project developed by a qualified technician.
- Verification of the integrity of the ropes and pulleys for the self-closure of the door.
- In case of a pedestrian door:
 - ◆ Verification of the opening devices:
 - check that the latch of the locks and its rods (where present), are properly fitted and well lubricated.
 - check that the re-engagement force of the latch of the fire lock is not over 15 N (see UNI EN 12209);
 - check that the re-engagement force of the latch of the fire panic lock is not over 25 N (see UNI EN 12209);
 - check that the re-engagement force of the panic or emergency device is not over 50 N (see UNI EN 1125 and UNI EN 179);
 - check that the force to be applied for the release of panic devices is not over 80 N (see UNI EN 1125), for the emergency ones is not over 70 N (see UNI EN 179);
 - check that the release force of panic devices is not over 220 N (see UNI EN 1125).
 - ◆ Verify proper operation of the hinges:
 - check that the hinges have no cracks, deformations, oxidations;
 - clean and lubricate the hinges;
 - check that the axis of the hinges is vertical;
 - check that the friction torque is not over the expected values (see UNI EN 1935:2004);
 - check the correct loading of the sprung hinge or of the door closer: open the door with an angle of about 45° and at the time of its release it should close completely until the "snap" of the retaining devices. For the adjustment of the self-closing through the sprung hinge.
 - ◆ Verification of the proper operation of door closers (where present):
 - verify the door closers for oil leaks or breakages;
 - verify the correct operation of door closers following the UNI EN 1154 and UNI EN 14600 standards. For any adjustments consult the manufacturer's instructions.
- Verification of retaining systems (for example electromagnets):
 - check that the product is properly secured and for the anchor and magnet not to show oxidations;
 - verify that the power cable is in good condition;
 - check that the supply voltage and the drawn power are those indicated by the manufacturer;
 - with the leaves in the "open" position, by pressing the test buttons, the leaves must be freed and must close perfectly.

OPERATIONS AND CHECKS VERIFICATION SHEET

MAINTENANCE ENGINEER: CERTIFICATE NO.
 ACTIVITY MANAGER : YEAR OF PRODUCTION:
 PROGRESSIVE NO. INSTALLATION DATE:
 TRADE NAME OF THE DOOR AND CLASSIFICATION:
 LOCATION:

DATE	CHECK	NOTES	SIGNATURE
	Verification of door integrity		
	Verification of the seals		
	Verification of door clearances		
	Verification of opening devices		
	Verification of correct operation of the hinges		
	Verification of correct operation of door closers (where present)		
	Verification of retaining systems		