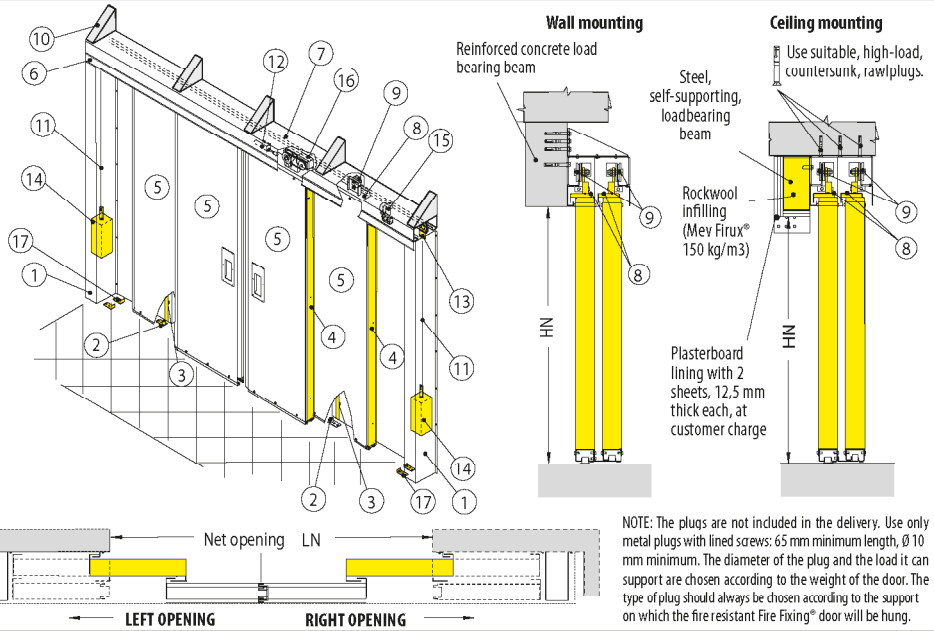


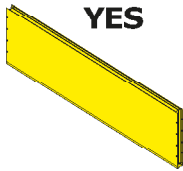
- 1) Counter-weight box
- 2) Ground level driving drum
- 3) Wall vertical labyrinth
- 4) Wing vertical labyrinth
- 5) Modular panel
- 6) Guide guard
- 7) Load bearing guide
- 8) Wing upper horizontal labyrinth
- 9) Bogie
- 10) Steel reveal
- 11) Pulling rope
- 12) S.A.M.
- 13) Pulling rope driving pulley
- 14) Counter-weight
- 15) Electromagnet / wing end-of-stroke stop
- 16) Viscotroller®
- 17) Ground level end-of-stroke stop

**THE DOOR WORKING CORRECTLY IS ALSO DUE TO THE CORRECT MOUNTING**  
**WE WOULD LIKE TO THANK THE INSTALLERS FOR THEIR CARE, ATTENTION AND COLLABORATION.**

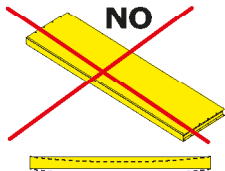


**NOTE:** The plugs are not included in the delivery. Use only metal plugs with lined screws: 65 mm minimum length, Ø 10 mm minimum. The diameter of the plug and the load it can support are chosen according to the weight of the door. The type of plug should always be chosen according to the support on which the fire resistant Fire Fixing® door will be hung.

**HANDLE AND MOVE WITH THE UTMOST CARE**



Always keep the panels in a vertical position, likewise when packaged

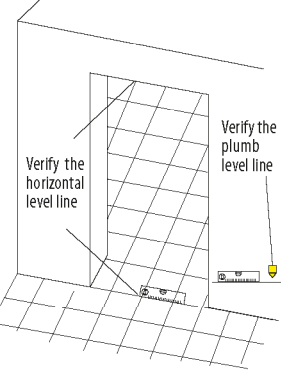


Incorrect handling of the panel may cause permanent distortions, such as bending, waving, etc.

- Handle with adequate fork-lifts.
- Don't knock or bend the panels.
- Don't step on the panels and accessories.
- Handle with care. Incline the container at the discharge.
- Don't expose to sun light or adverse weather conditions.
- Keep covered. The truck must be covered.
- Installation to be carried out by qualified and experienced staff.
- Packing and mix of accessories checked before delivery.

**FIG. 2.1**

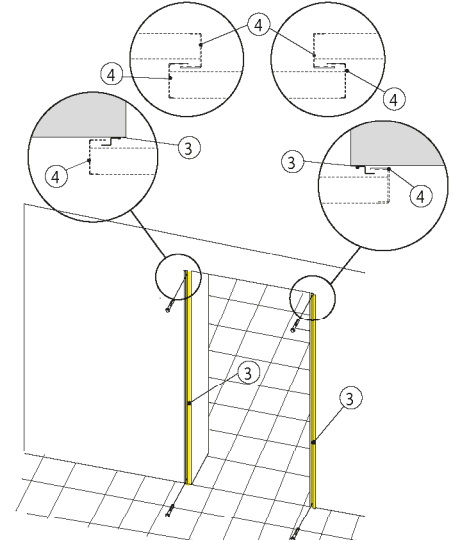
Accurately verify the flatness and verticality of the areas of the wall surrounding the wall opening.



**Note:** Verify that the wall, where rawlplugs must be secured, has the suitable consistency and homogeneity, and that repairs or fillings with unsuitable materials which could weaken the power of the rawlplugs have not been made

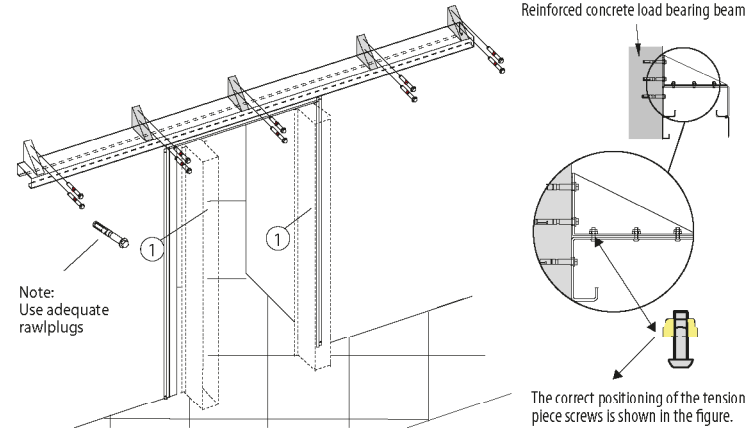
**FIG. 2.2**

After checking the accuratamenmte good flatness, the plumbing and the diagonals of the compartment wall, place the uprights provvisoriamente fixed (3).



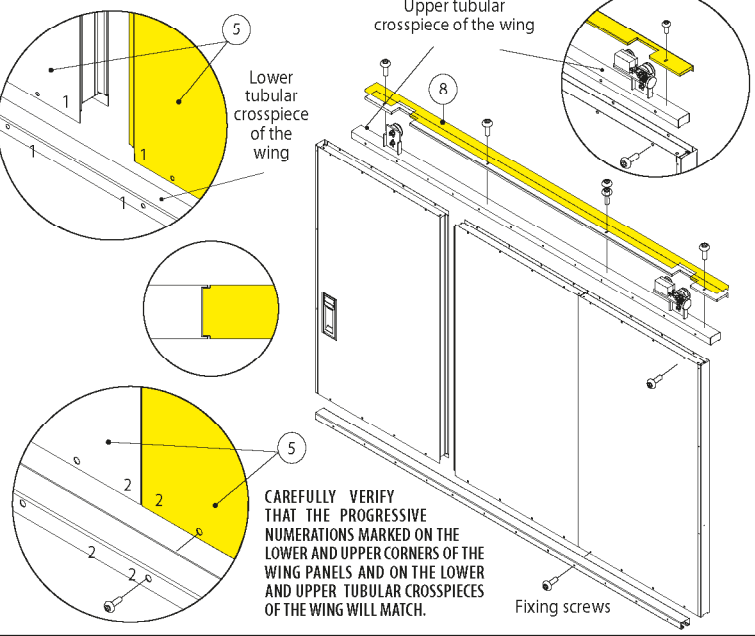
**FIG. 2**

To correctly position the upper guide bearing (7) should be used provvisoriamente Boxes (1) as a template in altezza. Dopo have verified that the guide is centered in the compartment wall to proceed to the attachment of the same party UNN centro. Per proper functioning of the door is necessary that the guide is fastened to sloped up toward the sides.



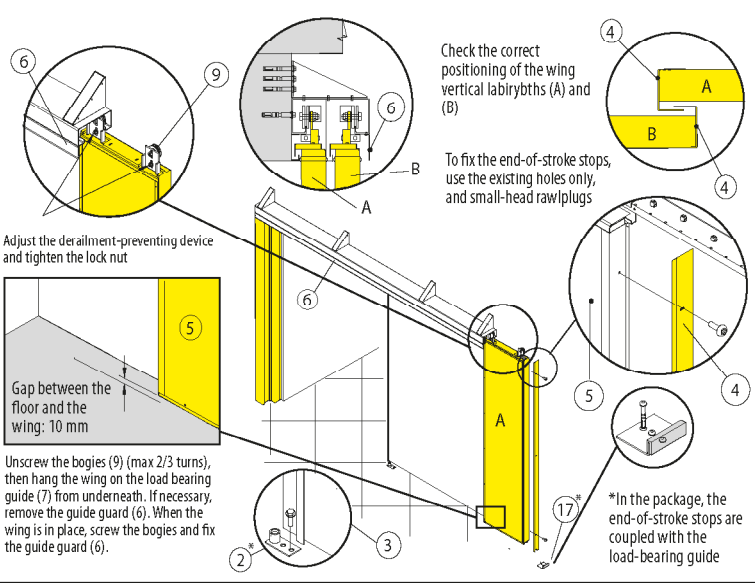
Verify that the wall, where rawlplugs must be secured, has the suitable consistency and homogeneity, and that repairs or fillings with unsuitable materials which could weaken the power of the rawlplugs have not been made.  
The plugs are not included in the delivery. Use only metal plugs with lined screws: 65 mm minimum length, Ø 10 mm minimum. The diameter of the plug and the load it can support are chosen according to the weight of the door. The type of plug should always be chosen according to the support on which the fire resistant Fire Fixing® door will be hung.

Join the panels forming the wing (the panel ends shall coincide following progressive numeration) taking care to block them with the supplied fixing screws. Fix the horizontal upper labyrinth (8) onto the upper tubular crosspiece of the wing.



**FIG. 4**

If possible, from the side end of the load bearing guide (7), hang the wing (A) on it, then adjust the bogies (9) to obtain a gap of about 10 mm between the floor and the wing. Next, fix the wing vertical labyrinth (4) checking that it is parallel to the wall vertical labyrinth (Fig. 2.2). Fasten definitively the wall vertical labyrinth (3) and the counterweight box (1) (Fig. 2.2). Do the same for the wing (B). Fix to the floor, outside the net opening, in the overlapping area between the wing and the wall, the ground level driving drum (2)\*. Fix to the floor the ground level end-of-stroke stops (17)\*.



**FIG. 5**

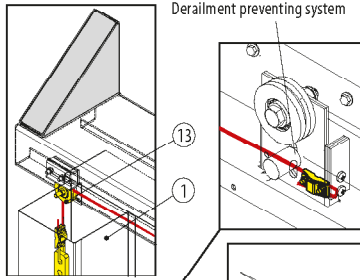
**FIXING THE PULLING ROPE – DOOR WITH ELECTROMAGNET RELEASING SYSTEM**

**FIG.6**

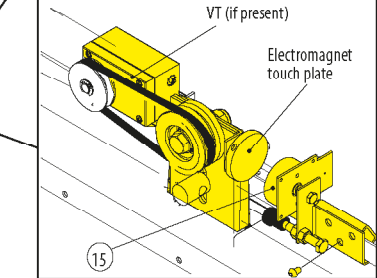
Where the door is held open by the electromagnetic releasing system (15), put the wings in their fully open position, hook the pulling rope to the derailment-preventing device of the front bogie of the handle-equipped wing (B), thread it through the hole prearranged on the derailment-preventing device itself, make the rope run on the driving pulley on the load-bearing guide (13), and finally hook the rope to the counterweight.

\* The figure shows the case of a straight, simple transmission of the rope. Other cases are shown in fig.9.

NOTE: Verify the plumb level line



**NOTE:**  
The plugs are not included in the delivery. Use only metal plugs with lined screws: 50 mm minimum length, Ø 8 mm minimum. The diameter of the plug and the load it can support are chosen according to the weight of the door. The type of plug should always be chosen according to the support on which the fire resistant Fire Fixing® door will be hung.

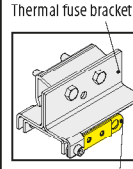


Adjust the electromagnet bracket and tighten definitively.

**FIXING THE PULLING ROPE – DOOR WITH THERMAL FUSE RELEASING SYSTEM**

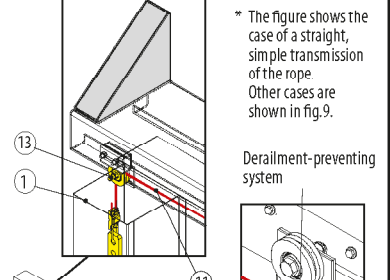
**FIG.7**

Where the door is equipped with the thermal fuse releasing system, put the wings in their fully open position, hook the pulling rope to the thermal fuse device of the handle-equipped wing (B), thread it through the hole prearranged on the derailment-preventing device of each bogie, make it run on the driving pulley on the load-bearing guide (13), and finally hook the counterweight \* to it.

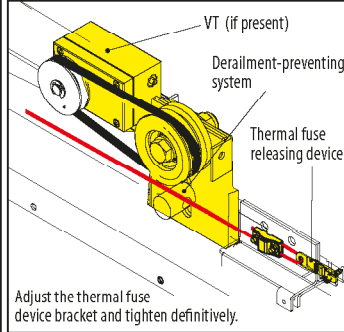


**NOTE:**  
The plugs are not included in the delivery. Use only metal plugs with lined screws: 50 mm minimum length, Ø 8 mm minimum. The diameter of the plug and the load it can support are chosen according to the weight of the door. The type of plug should always be chosen according to the support on which the fire resistant Fire Fixing® door will be hung.

\* The figure shows the case of a straight, simple transmission of the rope. Other cases are shown in fig.9.



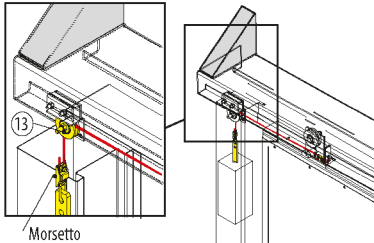
NOTE: Verify the plumb level line



Adjust the thermal fuse device bracket and tighten definitively.

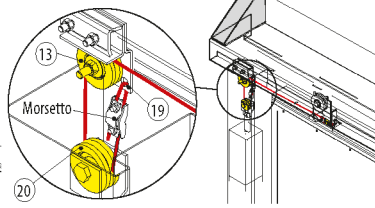
**FIG.8.1 STRAIGHT COUNTER-WEIGHT HANGING SYSTEM**

Hooked the pulling rope as per fig. 6 or fig. 7, make it run on the pulley (13) on the guide, then hook it to the counter-weight by the suitable clamp.



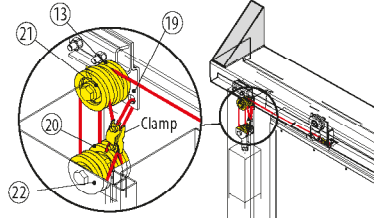
**FIG.8.2 SINGLE LOOP COUNTER-WEIGHT HANGING SYSTEM**

Hooked the pulling rope as per fig. 6 or fig. 7, make it run on the pulley (13) on the guide and on the pulley (20) on the counter-weight, then hook it to the support (19) by the suitable clamp.



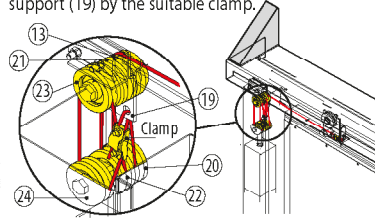
**FIG.8.3 DOUBLE LOOP COUNTER-WEIGHT HANGING SYSTEM**

Hooked the pulling rope as per fig. 6 or fig. 7, make it run on the following pulleys, in sequence: (13) on the guide, (20) on the counter-weight, (21) on the guide, (22) on the counter-weight, and finally hook it to the support (19) by the suitable clamp.



**FIG.8.4 TRIPLE LOOP COUNTER-WEIGHT HANGING SYSTEM**

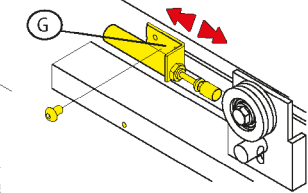
Hooked the pulling rope as per fig. 6 or fig. 7, make it run on the following pulleys, in sequence: (13) on the guide, (20) on the counter-weight, (21) on the guide, (22) on the counter-weight, (23) on the guide, (24) on the counter-weight and finally hook it to the support (19) by the suitable clamp.



**FIG.8**

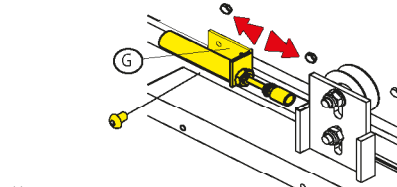
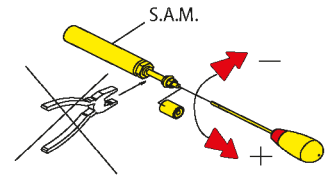
**KIT S.A.M. (Magnetic Shock Absorber) CALIBRATE WHEN INSTALLING THE DOOR**

Take the wing at 5 cm from the closing ledge and fix the support of the absorber S.A.M. (G)



Adjust correctly the S.A.M. support, drill and fix definitively.

To adjust the damping capability of the absorber, unscrew the magnetic head and turn the absorber rod by a screwdriver. (see installation, use and maintenance manual)



**Note:**  
- Be careful not to damage the rod.  
- Neither squeeze by pliers nor bend the absorber's rod.  
- High stresses (due to an uncontrolled speed of the wing), may damage the absorber rod irreparably. (to avoid damages, use the VISCOTROLLER device)

**Adjusting the absorber damping capability**

Counterclockwise turning of the rod	dN(10N)
0°	7
90°	20
180°	35
225°	70
270°	140
285°	315
300°	Locked

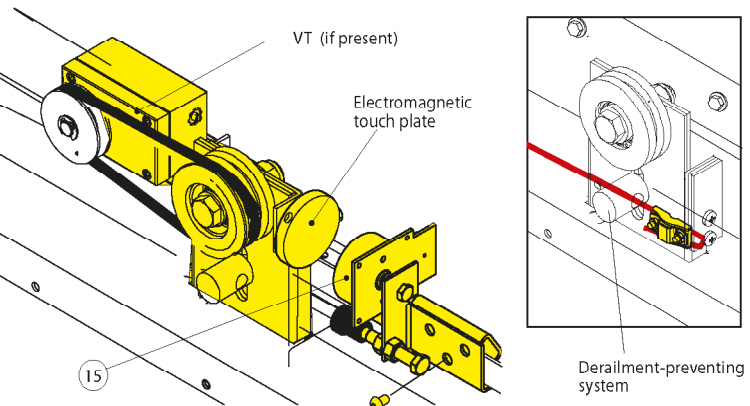
At the speed of 50 mm/sec

**FIG.9**

**ELECTROMAGNET RELEASING SYSTEM KIT**

**FIG.10**

Put the wing in its fully open position and fix the support of the electromagnet end-of-stroke stop (15) next to the touch plate (E). Lock the electromagnet (15) on its support, drill and fix definitively.

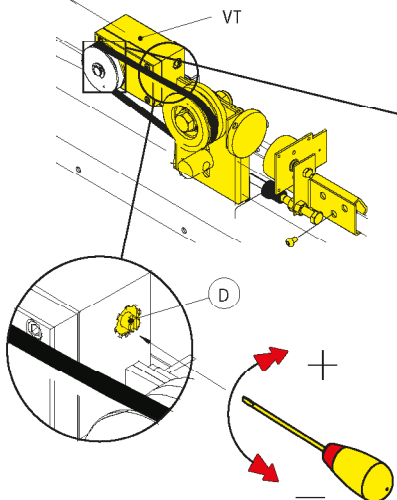


**Note:**  
When the door is equipped with the electromagnetic releasing system, hook the pulling rope to the front bogie (see fig.6).

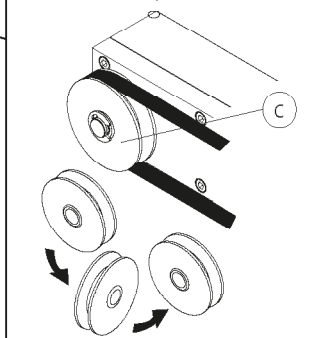
**VT KIT (Speed control) CALIBRATE WHEN INSTALLING THE DOOR**

**FIG.11**

Set the wing closing speed by operating the nozzle opening screw (D). (see installation, use and maintenance instructions)



**Note:**  
Turning the rotor (C) by 180°, the torque reverses



**Note:**  
Don't over-tighten, to avoid oil leakage

In disposing the Fire Fixing® fire resistant doors, the leaves and the components have to be treated in different ways. The door leaves shall be disassembled; the insulating core is an industrial waste which could contain mineral wool, silicates, plasterboard, ceramic fibres; the steel elements shall be treated as metal scrap. The door components shall be treated following the instructions of their producer, or accordingly the rules for disposing the specific material which they are made from.