



**TRANSIT HF CITY Up-and-Over Garage Doors,
Superb Ballan Quality for Entrances to Collective Garages.**



ballan[®]
GARAGE DOORS



200,000 duty cycles

Ballan Transit HF City Up-and-Over Garage Doors with Tireless Performance

Safe operation combined with extremely low noise in movement, even with very frequent cycles; these are the salient features that make these collective garage doors so outstanding.

The new Ballan Transit HF City collective garage door is a power-operated slide-away counterweight door, designed to meet the standard requirements of an entrance subject to intensive and collective use, often giving way on a public area, such as the case of apartment block garages.

The mechanical drive parts, safety devices and the operator have been adapted to enable the door to be used frequently with minimal maintenance.

To guarantee electric safety of the door, often exposed to an area with low levels of control, such as a public area, the electric motor of the operator runs at 24 Vdc and all cables are suitably enclosed; the operator is irreversible and fitted with internal and/or external release mechanisms for maintenance purposes or use in the event of a power failure.

The door leaf is moved by means of periscopic arms with safety clearances to avoid the risk of shearing between moving parts.

The lower edge is fitted with a plastic thermal seal (h 50 mm) for the protection of persons or objects.





The advantages of Transit HF City

- Modular Counterweight Up-and-Over Garage Doors, with CE mark, designed and constructed in compliance with the Product Standard UNI EN 13241-1.
- The 25 mm HF Safety Clearance between all moving parts guarantees compliance with mechanical safety requirements (minimum anti-shearing clearances).
- Operation better than movement.
- The operators are designed to be durable and ensure maximum safety while minimising operating costs, guaranteed for 200,000 duty cycles with routine maintenance.
- The operator exploits the technology patented by Ballan called VISg-sensor; all standard accessories are available for practical management of a public access point.
- Door leaf with multiple options for ventilation, in galvanised steel and paint finish on request with an option of over 200 RAL colours.
- Also available with pass door and lateral pass door.
- Maximum available dimensions up to L 6000 x H 2800 mm.



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GARAGE DOORS





Sliding on tracks integrated in the side jamb, specially shaped to ensure optimal resistance and durability.



Support arm hooked up to the horizontal tracks and designed to ensure minimal safety clearances.



Self-centring closure mechanisms to guarantee centring of the door leaf and ensure that safety clearances are maintained.



Installed with the Sikura HF City structure, in galvanised heavy gauge steel sheet.

Maximum dimensions up to L 6000 mm and H 2800 mm.

Made of pressed, galvanized steel sheet, the door leaf is made up of 80 mm section electrowelded tubular profiles. With 120 mm side jambs in 15/10 mm thickness steel sheet and 100 mm transom, also in 15/10 mm steel sheet. The two upper sliding points on the door leaf and the two ceiling-mounted guides are in galvanised steel with Ral 9016 paint finish. Complete with lateral strikers and counterstrikers, and removable counterweight sleeves (to allow inspection of cables and counterweights) made of galvanized, pre-painted steel sheet with finish similar to Ral 9016.

Thanks to the 25 mm HF Safety Clearance between all moving parts, these doors comply with the EN 13241-1 Product Standard and includes: the 25 mm safety clearances between lever mechanisms, perimeter seals between the door leaf and fixed framework (side jambs and transom), and reinforced and self-centring lever arms to ensure correct closing of the door leaf.

Sikura HF Transit HF City is equipped with a cable-break device against accidental closure of the door leaf, CE plate, DoP Declaration of Performance and CE Declaration.



Detail of safety clearances.



The dimensions of the drive pulley block ensure prolonged lifetime of the steel rope and correct positioning of the counterweight.



The horizontal guide, with Ral 9016 finish, has been designed to prevent exit of the sliding roller.

TRANSIT HF CITY, strong and safe



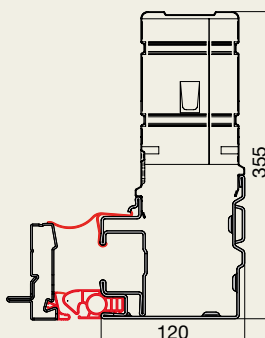
CE product identification dataplate stating all the data required by current statutory regulations.



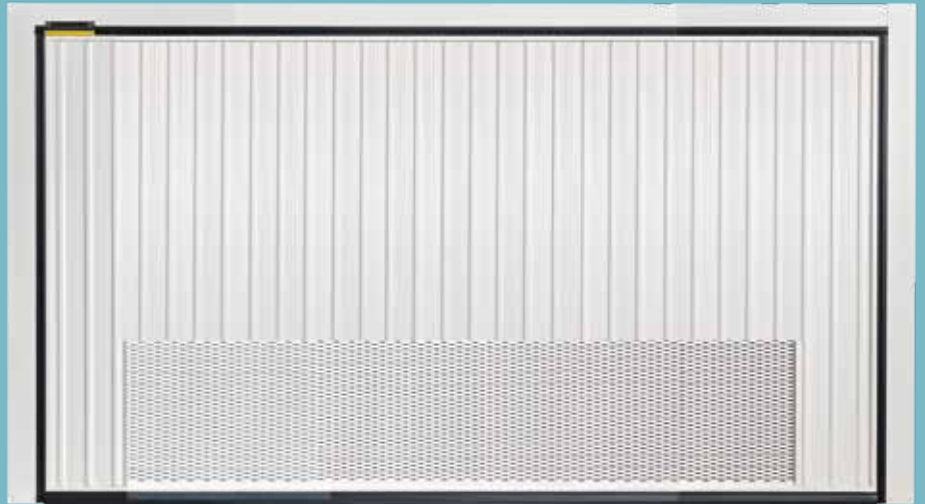
Cable break device incorporated in the vertical tracks: engages in the event of cable breakage to prevent the door leaf from dropping.



Safety photocells applied on counterweight sleeves to block door operation instantly in the event of transit of persons or objects.



Sectional view of side jamb, door leaf profile, external and internal seals of Sikura HF City structure.

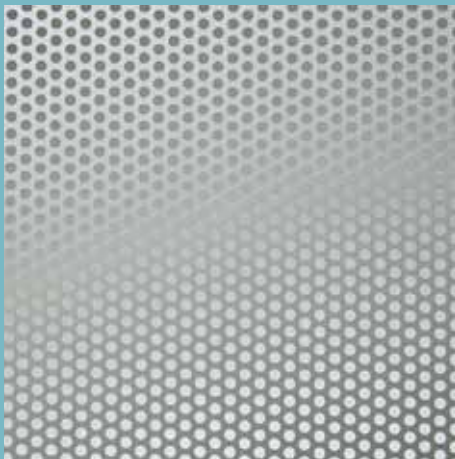


TRANSIT HF AIRON

Transit HF Airon, in stretched steel sheet, thickness 15/10 mm (FILS 5), ensures ventilation through approximately 30% of the door leaf surface.

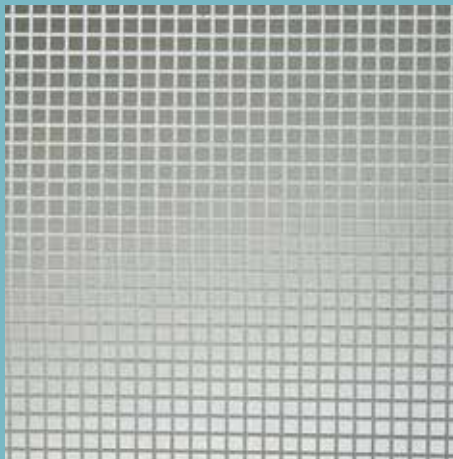
Transit HF City, lower part stretched steel sheet, thickness 15/10 mm (FILS 5).

Multiple options for ventilation



TRANSIT HF 06

Transit HF 06, in perforated galvanised steel sheet, \varnothing 6 mm holes (ensuring ventilation through approximately 30% of the door leaf surface).



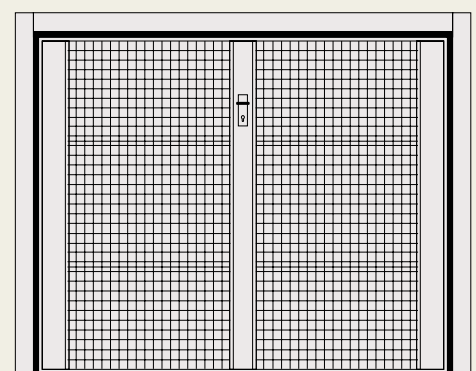
TRANSIT HF 08

Transit HF 08, in square perforated galvanised steel sheet, 8x8 mm square holes (ensuring ventilation through approximately 45% of the door leaf surface).



TRANSIT HF 40

Transit HF 40 with electro-welded galvanised mesh of 40x40 mm (gauge \varnothing 3.5 mm, (ensuring ventilation through approximately 75% of the door leaf surface).





TRANSIT HF ALET

Transit HF Alet, door leaf with louvered profile in heavy thickness steel sheet, ensures ventilation through approximately 36% of the door leaf surface while preventing visibility of the garage interior.

Transit HF Alet, with side pass door.



TRANSIT HF 130

Transit HF 130 with electro-forged galvanized grid of 66 x 132 mm (ensuring ventilation through approximately 75% of the door leaf surface).



TRANSIT HF 10

Transit HF 10 with ventilation apertures on 10 rows on the upper and lower section of the door leaf.



TRANSIT HF 12

Transit HF 12 with ventilation holes of 60x20 mm (photo illustrating maximum perforation of door leaf).



Pass door for Transit HF City

The pass door incorporated into the door leaf is constructed entirely in pressed galvanised steel sheet.

It is made up of a tubular perimeter profile (designed and produced by Ballan), a horizontal reinforcement and external ribbed steel panel. The pass door, fitted with aluminium hinges and complete with handle and lock, can be side or centrally mounted, according to the size of the up-and-over door.



Overhead door closing mechanism with track.



Breakaway handle with CE mark.

Pass door incorporated in door leaf for Transit HF Airon.



Pass door incorporated in door leaf for Transit HF 06 (perforated steel sheet with 60 mm holes).



Side pass door with slatted leaf.



The operator ERG-2 CITY, designed by Ballan, guarantees safety thanks to the telescopic motor arm and the 25 mm HF Safety Clearance, preventing the risk of shearing or crushing, in conformity with the European Directives. This operator incorporates the motor, VISg control system with patented gravity accelerometer, and control panel in a single unit accommodated in a plastic housing and mounted on the door leaf, with electrical wiring routed through a conduit.

The ERG-2 CITY operator, designed for slide-away leaf models (City), features two lateral motors mounted on two rails (fitted at each side of the door leaf) with motor base and telescopic arms.

Strengths of the ERG-2 CITY operator:

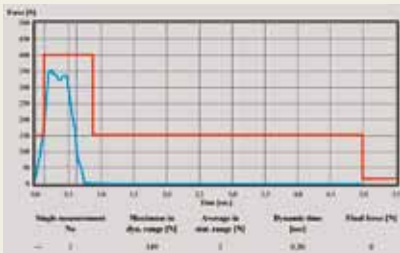
- design of the telescopic motor arm in compliance with safety clearances to prevent the risk of pinching or shearing fingers;
- variable force during opening and closing movements;
- an update of force used on each cycle means that the operator is more sensitive and at the same time more reliable, as it automatically compensates for variations caused by friction, temperature and electric power supply;
- the presence of an interface with the user to enable programming of door operation and constant information on the operator status, malfunctions and any need for maintenance.



ERG-2 CITY Ballan: the practical and reliable operator



This operator exploits the technology patented by Ballan, VISg-sensor (Verified Instant Safety gravity-sensor) that integrates an electronic accelerometer, for maximum safety of use and functionality, while in the case of extra-wide and heavy doors VISg uses a high power and high efficiency power stage. The operator with VISg constantly displays messages regarding maintenance requirements or possible malfunctions.



The force limiter device interrupts and inverts movement on detection of an obstacle (maximum permissible force of 400 N). The action of the force limiter device is shown by the blue line in the graph, well below the legally required value (red line).



Smart transmitter, FM rolling code with 3 and 5 channels.



Pair of pre-wired internal photocells, pre-installed on the up-and-over-door.

Kit for ERG-2 City operators for Transit HF City doors,

Kit for ERG-2 City operators for Transit HF City doors, suitable for intensive use

Complete with:

- 2 motors (24 V) with on-board control unit VISg featuring patented low consumption gravity accelerometer (with control buttons), courtesy led lights, motor bases and telescopic arms
- 1 integrated 2-channel receiver board (rolling code type) with 127 users
- 1 transmitter, FM rolling code with 3 and 5 channels
- 1 pair of pre-wired internal photocells, pre-installed on the up-and-over-door.
- 1 external flashing led unit, with integrated antenna, installed and pre-wired (positioned on the transom of the up-and-over door always on the left viewed from the exterior)
- 1 internal flashing led unit, installed and pre-wired (positioned on the right, viewed from the interior, at the top of the door leaf)
- 1 Bus type accessory board for wiring of all accessories (positioned on the left viewed from exterior, with a 1.5 m cable)
- 1 maintenance kit complete with: pair of cable-break devices, pair of steel ropes, pair of pulley blocks Ø 110 mm, pair of drive pulley kits with pulley blocks and pair of pulley blocks for counterweight hook-up.
- Lower rubber protection on door leaf (supplied separately)
- Internal and external release mechanism.



1 maintenance kit complete with:

- pair of cable-break devices, pair of steel ropes,
- pair of pulley blocks Ø 110 mm, pair of drive pulley kits with pulley blocks and pair of pulley blocks for counterweight hook-up.





External flashing led unit, with integrated antenna, mounted and pre-wired.



Internal flashing led unit, mounted and pre-wired.



Accessories board connected to the VISg via Bus cable (as standard).



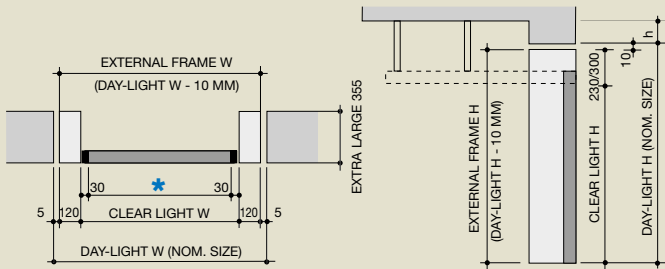
External unlocking device.



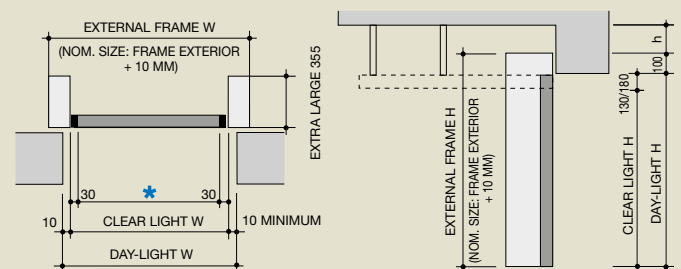
Self-lubricating rubber side and upper seals, lower skirting in black ABS, (H 50 mm) with aluminium supporting profile.

Technical drawings of Transit HF City up-and-over doors

TRANSIT HF CITY - FLUSH-MOUNTED VERSION



TRANSIT HF CITY - SURFACE-MOUNTED VERSION



* N.B. On all structures with HF provision, the useful transit width is reduced by an additional 60 mm.



Ballan guarantees, with scheduled maintenance, 200,000 duty cycle within 2 years of operation.

Scheduled maintenance must be performed at the times and according to the methods stated in the Operation and Maintenance manual.



Badge reader complete with 2-channel board with shielding, supplied with master badge. Wired power supply. (Optional).



Back-lit code keypad complete with 2-channel board and shielding. Wired power supply. (Optional).



Traffic beacon complete with control unit powered at 230 V. Operation is separate from the up-and-over door (optional).



Walkover adhesive film, easy to install. (Optional).



STOP button, supplied separately to guarantee simple use in the event of an emergency (Optional).



Additional loose photocells, for surface mounting (not recessed). (Optional).



Additional external photocells with shielding. (Optional).

Optional

The door may be equipped with a series of standard accessories for the practical and functional management of a collective vehicle access point.



External energy saving receiver with 2/4 outputs for 1000 users with board Back-up included (for use on existing operators on site, an additional antenna is recommended). (Optional).



Buffer batteries 12 V for up-and-over door operation in the event of a power failure. (Optional).



Pair of led lights, high intensity, integrated and pre-wired in the door leaf, suitable for lighting the transit zone during manoeuvres. (Optional).

Ballan SpA reserves the right to make any changes to the product without notice.

The RAL colours and shades of wood shown in this printed media are to be considered guideline only.

The photos are intended solely for the purpose of illustrating the model and are guideline only.

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GARAGE DOORS