

## GENERAL OVERVIEW

The **FABA™ A12** is a fall arrest system and part of Personal Protective Equipment (PPE) European Directive (EU 2016/425). The system is certified according to the standard EN 353-1:2018. The FABA™ A12 system is certified for a user weight (including user weight and their equipment) up to 150kg.

FABA™ enables safe use of fixed vertical ladders or manhole rungs, e.g.:

- on towers, stacks, high storage tanks, bridge piers, masts, machines and operating facilities
- on high-rise racks and industrial plants, buildings and facades
- in pits, mines as well as water and wastewater basins



## TECHNICAL SPECIFICATION

FABA™ A12 system has two step-over systems. Both of them are provided with a swivelling entry/exit device at top, which allows to bring the user at a safe location before disconnecting them from the ladder or rail. They are designed to turn either right or left, depending on the installation layout.

They both require a reinforcement bar, that ensures that the system is stiff enough to keep the user safe in the event of a fall.

## STRAIGHT STEP-OVER

Three parts constitute the straight step-over assembly:

1. The pivotable entry and exit. It allows comfortable insertion and removal of the slider at that end of a climbing facility, at which point safe release from the climbing protection has to be ensured.
2. The reinforcement. It is a bar that increases the stiffness of the ladder/rail at its very end, needed in the event of a fall from this position.
3. The step-over itself is only used with FABA™ ladders (with existing ladders, the FABA™ rail acts as step-over).

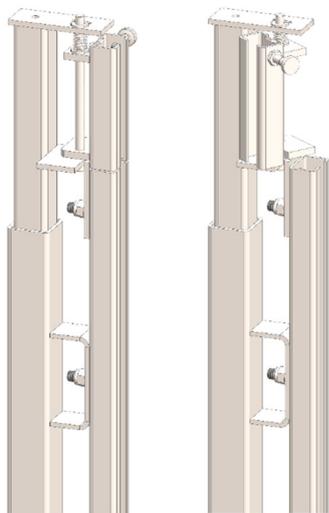
| Part  | Exit direction | FABA™ ladder<br>(new installation) |                 | FABA™ rail<br>(existing ladder) |                 |
|---|----------------|------------------------------------|-----------------|---------------------------------|-----------------|
|   |                | Galvanised                         | Stainless steel | Galvanised                      | Stainless steel |
| Pivotable entry/exit                              | Right          | 530237                             | 530247          | 530277                          | 530287          |
|   | Left           | 530217                             | 530227          | 530257                          | 530267          |
| Reinforcement                                     |                | 530337                             | 530347          | 530357                          | 530367          |
| Step-over   |                | 500378                             | 500388          | (1)                             | (1)             |
| Kit (including the three parts above and bolting) | Right          | 272407                             | N/A             | 272917                          | N/A             |
|   | Left           | 272417                             | N/A             | 272927                          | N/A             |

(1) The rail itself is used as the step-over.

**ATTENTION:** Step-over parts for FABA™ ladder and for FABA™ rail cannot be interchanged. They are not compatible between each other and must be used with its intended assembly. To verify that you have the correct parts, check dimensions A and B of the sketch below.

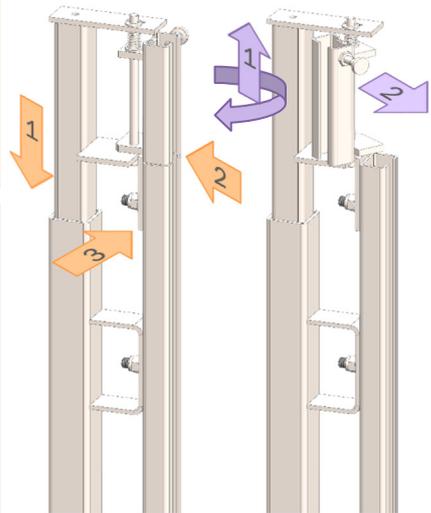
**FABA™ ladder (new installation)**

**FABA™ rail (existing ladder)**



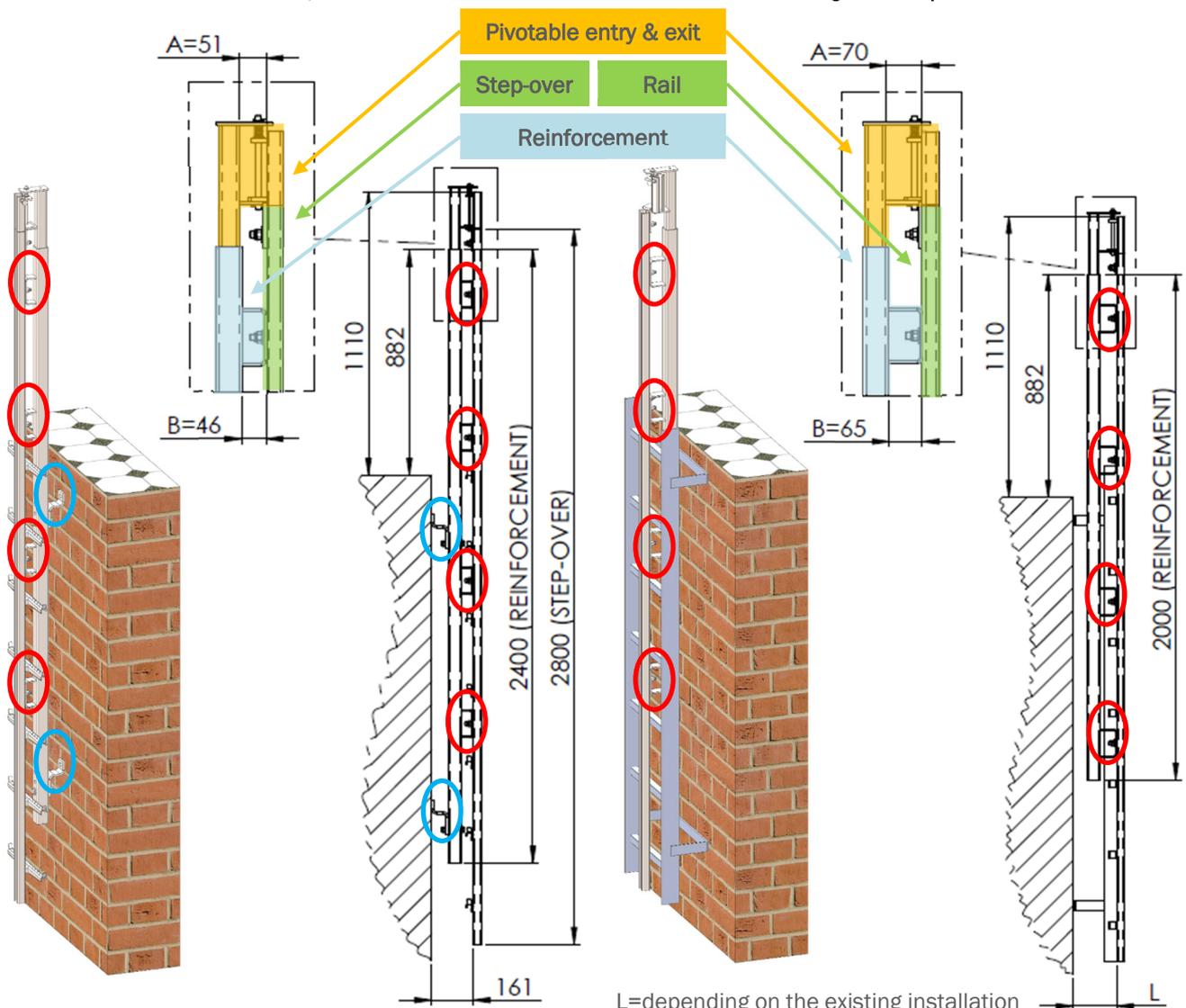
- Installation**
1. Insert the pivotable entry/exit in the reinforcement.
  2. Adjust the height of the step-over/rail (there should be a gap of 1 mm).
  3. Insert and tighten the bolt.

- Operation**
1. To release the pivotable entry/exit, push up the rail element and hinge it to right or left (depending on the selection, the one shown is rotating on the left).
  2. To extract the slider, pull out the locking device with one hand and move up the slider with the other hand.
- ATTENTION:** Pivotable exit must only be operated from a safe location.



The reinforcement is fastened to the ladder with four bolts (in red) and to the wall with two brackets (in blue).

The reinforcement is fastened to the rail with four bolts (in red). The rail is fastened to the ladder according to the specification.



L=depending on the existing installation

## CURVED STEP-OVER

Three parts constitute the curved step-over assembly:

1. The reinforcement. It is a bended bar that increases the stiffness of the ladder/rail at its very end, needed in the event of a fall from this position.
2. The step-over itself. It is used with FABA™ ladders and rails. It allows the user to go further away from the edge of the structure.
3. Brackets. They link the reinforcement to the FABA™ rail and to the FABA™ ladder and the wall.

In this case there is no entry/exit for the slider, so a detachable catch (code 508067) is mandatory at the end of the ladder or rail.

| Part  | FABA™ ladder (new installation) |          |                 |          | FABA™ rail (existing ladder) |                 |
|---|---------------------------------|----------|-----------------|----------|------------------------------|-----------------|
|   | Galvanised                      |          | Stainless steel |          | Galvanised                   | Stainless steel |
|   | D=10.5 (1)                      | D=14 (2) | D=10.5 (1)      | D=14 (2) |                              |                 |
| Reinforcement                                     | 506235                          |          | 506245          |          | 506235                       | 506245          |
| Step-over   | 501277                          |          | 501287          |          | 500197                       | 500207          |
| Brackets  | 506215                          | 524555   | 506225          | 524545   | 527377                       | 527367          |
| Kit (including the three parts above and bolting) | 503468                          | 525427   | 503478          | 525417   | 503488                       | 508237          |

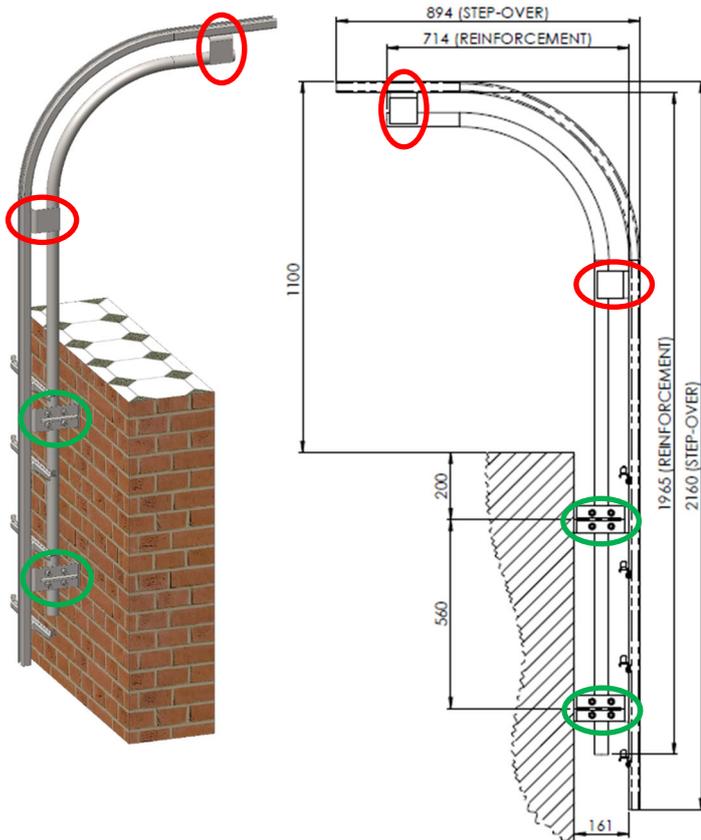
(1) Brackets with hole Ø10.5 to be used with bolts M10, intended for installations on steel or concrete structures.

(2) Brackets with hole Ø14 to be used with bolts M12, intended for installations on brick walls.

**ATTENTION:** Reinforcement can be used for FABA™ ladder and for FABA™ rail. The parts cannot be interchanged. They are not compatible between each other and must be used with its intended assembly.

### FABA™ ladder (new installation)

The reinforcement is fastened to the ladder with two bolts (in red) and to the wall and the ladder with two brackets (in green).



### FABA™ rail (existing installation)

The reinforcement is fastened to the rail with four bolts (in red). The rail is fastened to the ladder according to the specification.

