

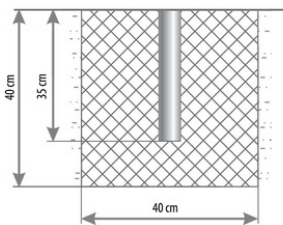
# AUGUSTAFLEX UPRIGHT INSTALLATION MANNUAL

Articles: AF60, AF76

Necessary tools: hook spanner, torque wrench 120 Nm, brush, hammer, glue

## GROUND SLEEVE INSTALLATION

### 1. MAKE THE PLINTH:



Preapre a hole for a plinth, the plinth size for signpost:

Ø 60.3mm – min 40cmx40cmx40cm.

Ø 76mm – min 50cmx50cmx50cm

- It is recommended to insert a metal rod in the holes of the ground sleeve to ensure that the signpost will not rotate subsequently.
- To avoid entering the concrete on the thread of the ground sleeve, it is recommended to protect it with a lump of a crumpled paper or a special lid (optional).
- The ground sleeve is to be placed in the center of the hole, strictly vertically (90° to the surface) threaded up.
- The upper part of the ground sleeve must be located at the surface level with the smallest possible projection (no more than 1cm above the ground)
- Concreting of the ground sleeve. Concrete specification: C30/37 or C25/30(LP)
- Waiting for concrete to dry

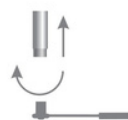
### 2.THE FIXING OF THE UPRIGHT TO THE FIXING PART

Insert the upright into the ground sleeve adding some glue on the thread. Tighten and fasten it firmly with a hook spanner.

If needed it is possible to maintain the ability to remove the signpost, it is recommended to add lubricant to the threads and unscrew the post every three months.

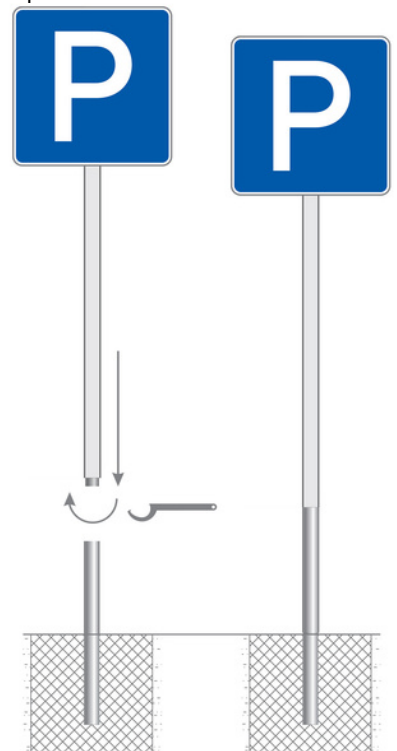
### 3.

Insert the upper expander into the pole. Tighten the screw with a torque wrench 120 Nm



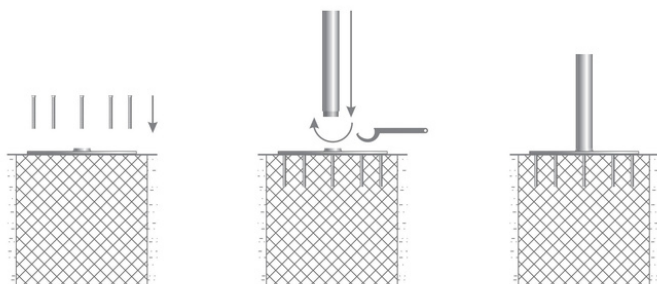
### 4.

Insert the pole with the upper expander adding some glue on the thread of the upright and then tighten it with a hook spanner.



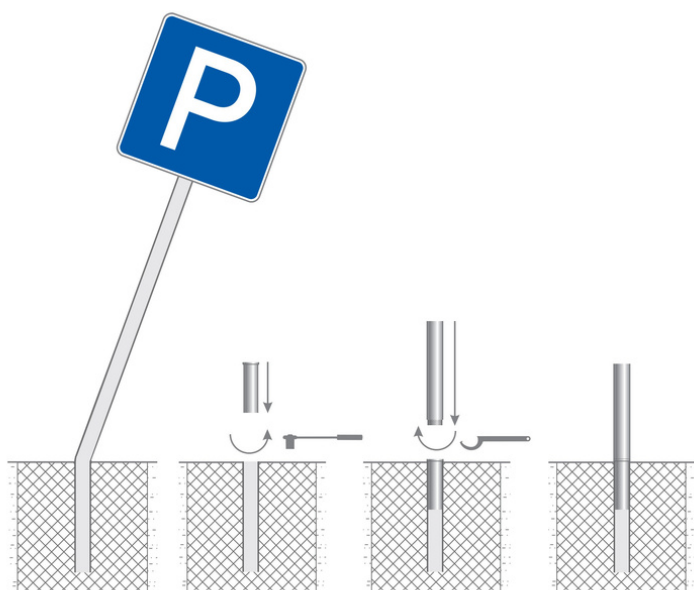
# OTHER INSTALLATION VARIANTS

## GROUND PLATE INSTALLATION



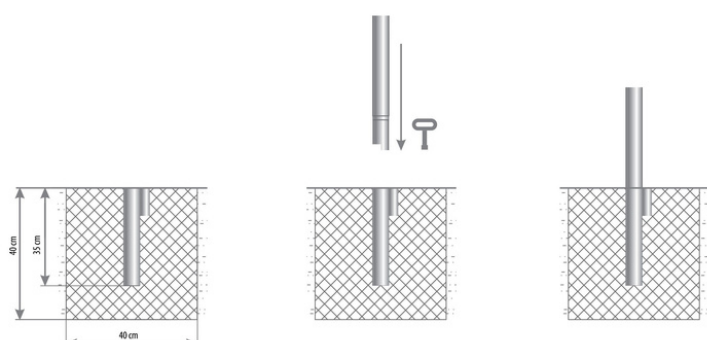
To fix the plate to the concrete surface within 8 bolts (included)  
Follow steps 3,4 of the instruction on the 1st page.

## LOWER EXPANDER



- Control of the existed plinth of the post. The plinth must meet the size requirements and be in good condition.
- Plinth size for signpost:  
 ø 60.3mm – min 40cmx40cmx40cm;  
 ø 76mm – min 50cmx50cmx50cm
- Cut the existing damaged posts with an angle grinder, at the level of the surface, clean the inside of the pipe with a brush.
  - Insert the lower expander into the post. Tighten the screw with a torque wrench to 160 Nm
- Follow the steps 3,4 of the instruction on the 1st page.

## GROUND SLEEVE REMOVABLE TRIANGULAR KEY CLOSURE



Make a hole for the plinth:

Plinth size for signpost:

ø 60.3mm – min 40cmx40cmx40cm;

ø 76mm – min 50cmx50cmx50cm

- The ground sleeve is to be placed in the center of the hole, strictly vertically (90° to the surface) threaded up
- The upper part of the ground sleeve must be located at the surface level with the smallest possible projection (no more than 1cm above the ground)
- Concreting of the ground sleeve. Concrete specification: C30/37 or C25/30(LP)
- Waiting for concrete to dry

Follow steps 3,4 of the instruction on the 1st page.



## ROBINSON90 UPRIGHT/SIGN POST INSTALLATION MANNUAL

Articles: AF60, AF76

Necessary tools: hook spanner, torque wrench 120 Nm, brush, hammer, glue

### GROUND SLEEVE INSTALLATION

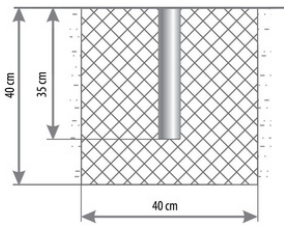
#### 1. MAKE THE PLINTH:

Prepare a hole for a plinth, the plinth size for signpost:

Ø 60.3mm – min 40cmx40cmx40cm.

Ø 76mm – min 50cmx50cmx50cm

- It is recommended to insert a metal rod in the holes of the ground sleeve to ensure that the signpost will not rotate subsequently.
- To avoid entering the concrete on the thread of the ground sleeve, it is recommended to protect it with a lump of a crumpled paper or a special lid (optional).
- The ground sleeve is to be placed in the center of the hole, strictly vertically (90° to the surface) threaded up.
- The upper part of the ground sleeve must be located at the surface level with the smallest possible projection (no more than 1cm above the ground)
- Concreting of the ground sleeve. Concrete specification: C30/37 or C25/30(LP)
- Waiting for concrete to dry



#### 2. THE FIXING OF THE UPRIGHT TO THE FIXING PART

Insert the upright into the ground sleeve adding some glue on the thread.

Tighten and fasten it firmly with a hook spanner.

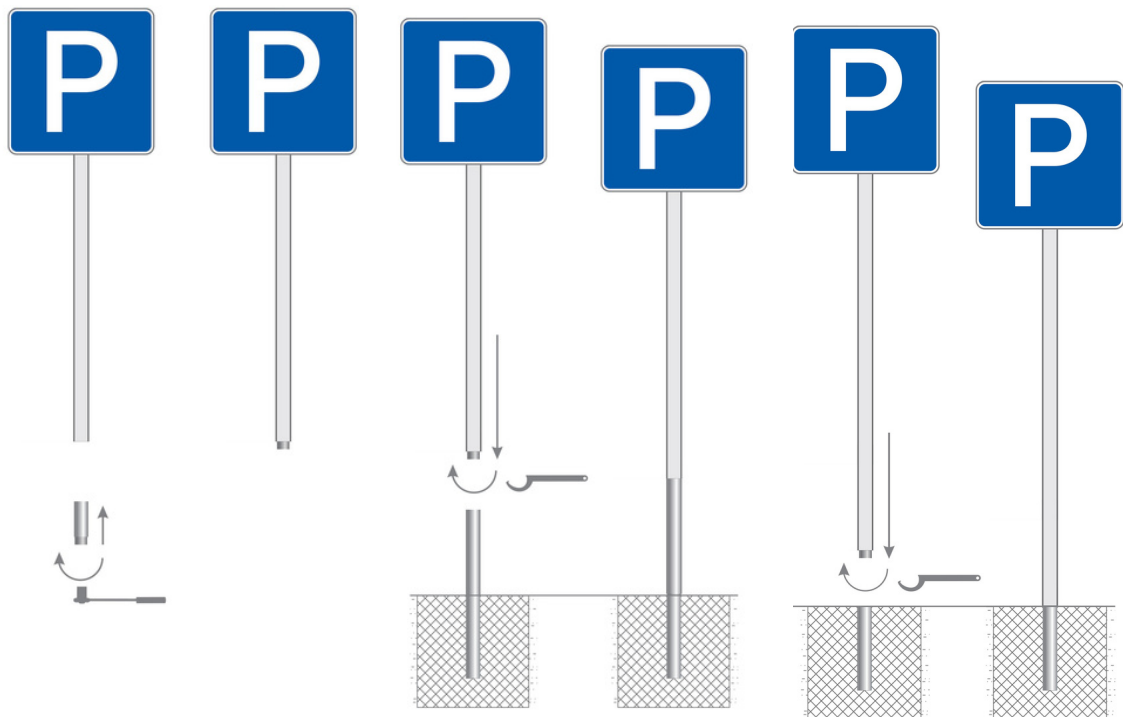
If needed it is possible to maintain the ability to remove the signpost, it is recommended to add lubricant to the threads and unscrew the post every three months.

#### 3.

Insert the upper expander into the pole. Tighten the screw with a torque wrench 120 Nm

#### 4.

Insert the post with the upper expander/ the post with integrated flexible system adding some glue on the thread of the upright and then tighten it with a hook spanner.

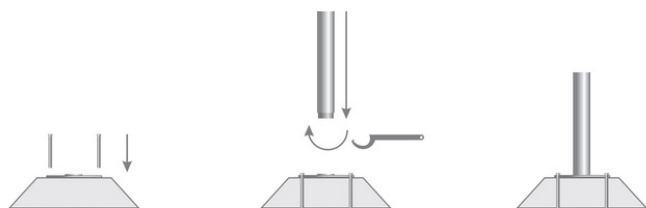


Robinson90 flexible upright

Robinson90 flexible signpost

# OTHER INSTALLATION VARIANTS

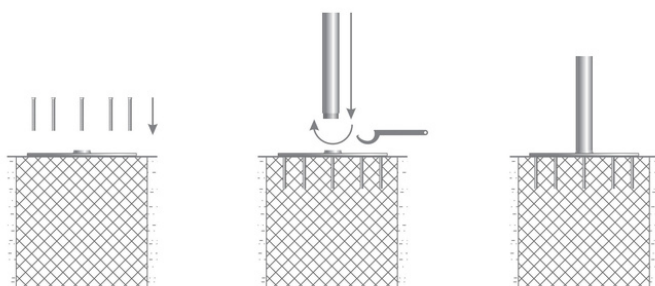
## PLATE FOR TRAFFIC ISLANDS



To fix the plate and counter-plate within 4 bolts (included).

Then follow steps 3, 4 of the instruction on the 1st page.

## GROUND PLATE INSTALLATION



- Control of the existed plinth of the post. The plinth must meet the size requirements and be in good condition.

Plinth size for signpost:

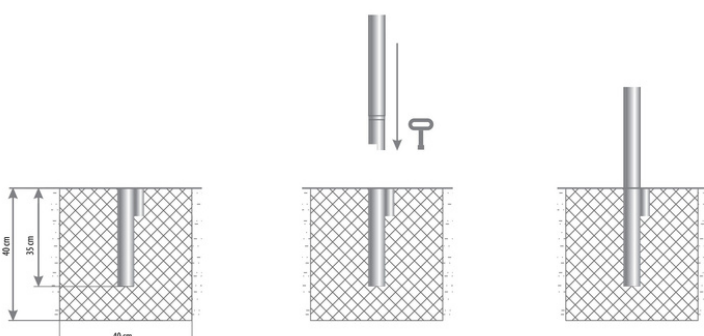
Ø 60.3mm – min 40cmx40cmx40cm;

Ø 76mm – min 50cmx50cmx50cm

- Cut the existing damaged posts with an angle grinder, at the level of the surface, clean the inside of the pipe with a brush.
- Insert the lower expander into the post. Tighten the screw with a torque wrench to 160 Nm

Then follow steps 3, 4 of the instruction on the 1st page.

## GROUND SLEEVE REMOVABLE TRIANGULAR KEY CLOSURE



Make a hole for the plinth:

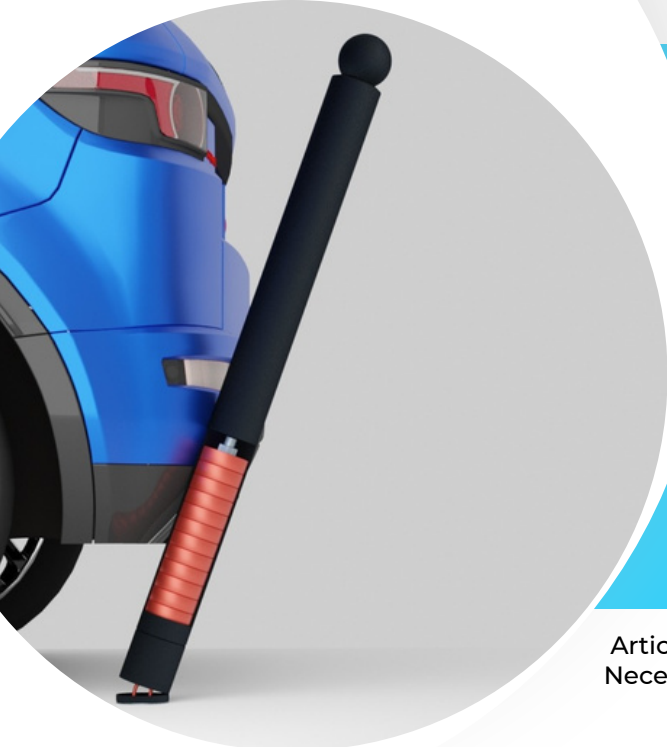
Plinth size for signpost:

Ø 60.3mm – min 40cmx40cmx40cm;

Ø 76mm – min 50cmx50cmx50cm

- The ground sleeve is to be placed in the center of the hole, strictly vertically (90° to the surface) threaded up
- The upper part of the ground sleeve must be located at the surface level with the smallest possible projection (no more than 1cm above the ground)
- Concreting of the ground sleeve. Concrete specification: C30/37 or C25/30(LP)
- Waiting for concrete to dry

Then follow steps 3, 4 of the instruction on the 1st page.



AUGUSTAFLEX®

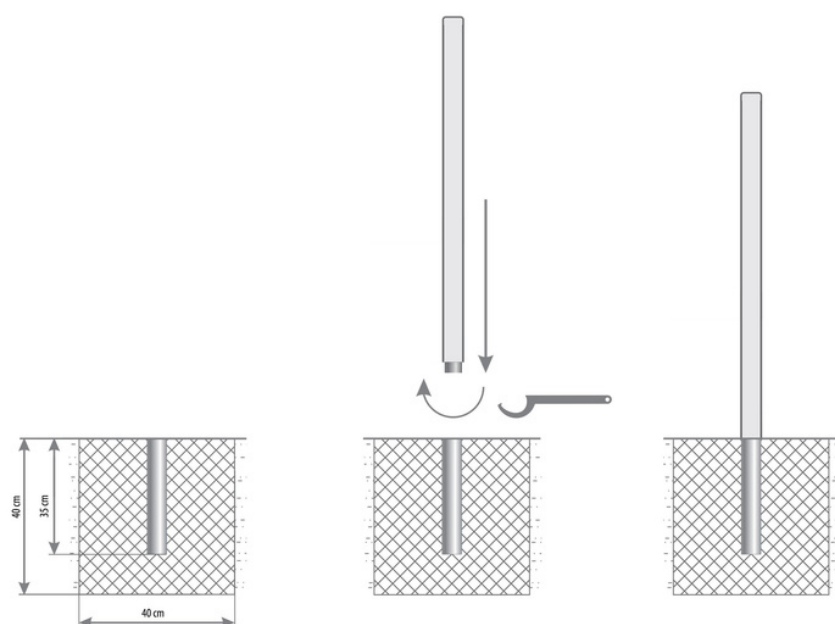
# AURELIA90 BOLLARDS

## INSTALLATION MANNUAL

Articles: AR60, AF76

Necessary tools: hook spanner, hammer, glue

### GROUND SLEEVE INSTALLATION



#### 1. MAKE THE PLINTH:

Preapre a hole for a plinth, the plinth size for the bollard:

Ø 60.3mm – min 40cmx40cmx40cm.

Ø 76mm – min 50cmx50cmx50cm

- It is recommended to insert a metal rod in the holes of the ground sleeve to ensure that the signpost will not rotate subsequently.
- To avoid entering the concrete on the thread of the ground sleeve, it is recommended to protect it with a lump of a crumpled paper or a special lid (optional).
- The ground sleeve is to be placed in the center of the hole, strictly vertically (90° to the surface) threaded up.
- The upper part of the ground sleeve must be located at the surface level with the smallest possible projection (no more than 1cm above the ground)
- Concreting of the ground sleeve. Concrete specification: C30/37 or C25/30(LP)
- Waiting for concrete to dry

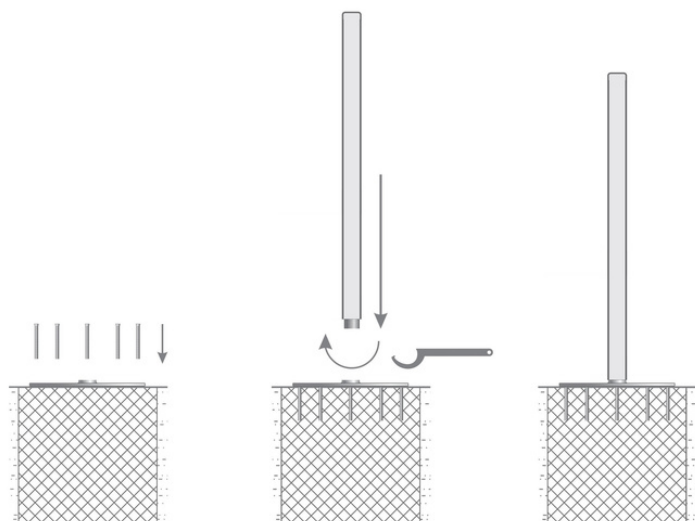
#### 2.

Insert the pole with the upper expander adding some glue on the thread of the upright and then tighten it with a hook spanner.



# OTHER INSTALLATION VARIANTS

## GROUND PLATE INSTALLATION



To fix the plate to the concrete surface within 8 bolts (included)

## GROUND SLEEVE REMOVABLE CLOSURE

Make a hole for the plinth:

Plinth size for signpost:

- Ø 60.3mm – min 40cmx40cmx40cm (triangular closure external)
- Ø 60.3mm – min 40cmx40cmx50cm (triangular closure internal);
- Ø 60.3mm – min 40cmx40cmx50cm (Bayonet closure);

Ø 76mm – min 50cmx50cmx50cm

- Ground sleeve is to be placed in the center of the hole, strictly vertically (90° to the surface) threaded up
- The upper part of the ground sleeve must be located at the surface level with the smallest possible projection (no more than 1cm above the ground)
- Concreting of the ground sleeve. Concrete specification: C30/37 or C25/30(LP)
- Waiting for concrete to dry

