



## PAN FEEDER LINE PIPE ROTATION SET

### Installation Guide



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# 1. Safety

This chapter contains an overview of the pan feeder system safety concerns and includes:

- [Safety Overview](#)
- [Safety Conventions](#)
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## 1.1 Safety Overview


Plasson's pan feeder system has been designed to meet all known safety requirements. During normal operation, the pan feeder system presents no hazards to the operator or other personnel. However, in certain circumstances, the following potential hazards to operators and maintenance team personnel exist:

- Electrical shock (220 VAC)
- Mechanical hazard (moving parts, pinch points, etc.)
- Overhead hazard
- Heavy object hazard

The information and instructions presented in this document are intended to help personnel work with the pan feeder system in a safe, effective, and efficient manner.

## 1.2 Safety Conventions


Safety information is presented as follows:

 <b>CAUTION</b>
<b>Caution</b> is the signal word used to indicate a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also be used alert against unsafe practices.
 <b>WARNING</b>
<b>Warning</b> is the signal word used to indicate a potentially hazardous situation which, if not avoided, could result in death or severe injury.
 <b>DANGER</b>
<b>Danger</b> is the signal word used to indicate an imminently hazardous situation which, if not avoided, will result in death or severe injury. This signal word is limited to the most extreme situations.

## 1.3 Cautions and Warnings

The following instructions and guidelines are necessary to ensure safe operation and long system life. Before performing any work on the system, become familiar with the following safety sections:

### 1.3.1 General Safety Cautions



CAUTION


- Read the installation and operation instructions prior to installing or before servicing the system.
- Before working on the system, read all safety standards and instructions to avoid injury or damage to equipment or property.
- Electrical connections must be serviced by a qualified electrician, using certified components only, and according to local regulations and standards.
- Shut off the system before conducting system maintenance.
- Proper operation of the system is not guaranteed if unauthorized parts are used.
- In case of unusual or irregular noise or vibration, it is necessary to switch off the system.

### 1.3.2 General Warnings

 **WARNING**


- **Hazardous Voltage:** Contact with electrical equipment can cause electric shock or burn if the power supply is turned on. Before starting any work on electrical equipment, disconnect the machine from the power socket.

## 1.4 Storage, Transport, and Installation

 **CAUTION**

Installation safety:

- The operator is responsible for the equipment and must not allow unauthorized persons to use the system or be in its vicinity.
- Whenever you handle or repair the equipment, turn off the power supply first.
- Maintenance and repairs must be carried out by qualified technicians authorized by Plasson.
- Always use Plasson components when replacing any defective components.
- All electrical parts must be grounded and installed by a qualified electrician.
- Pay close attention to the safety symbols on the components, as carelessness can lead to serious injury and even death.

 **CAUTION**

Storage safety:

- Ambient temperature must be between 5°C and 60°C.
- System must not be exposed to humidity, rain, condensation, dust, or direct sunlight during storage.

Transport safety:

- Move the system using appropriate lifting equipment.
- Avoid heavy vibration during transport.

## 1.5 EMC Safety

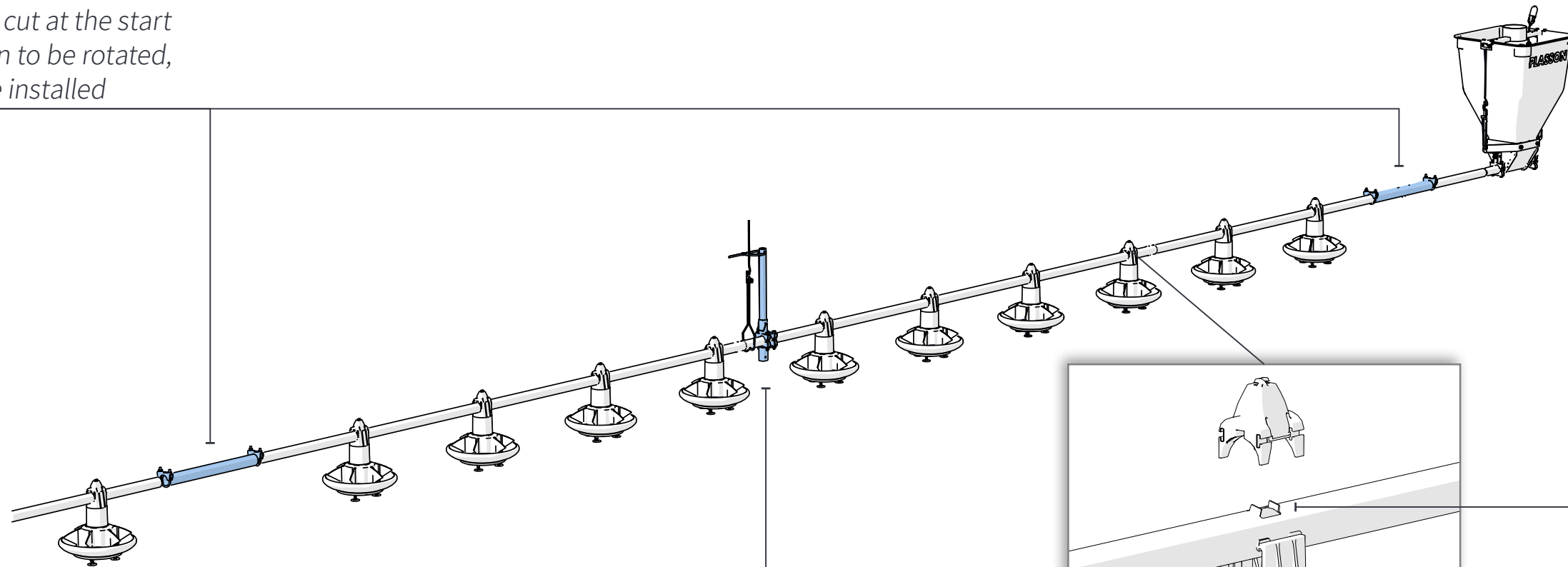
All pan feeder system components comply with IEC EN 61000-6-3, the emission standard for residential, commercial, and light industrial environments.



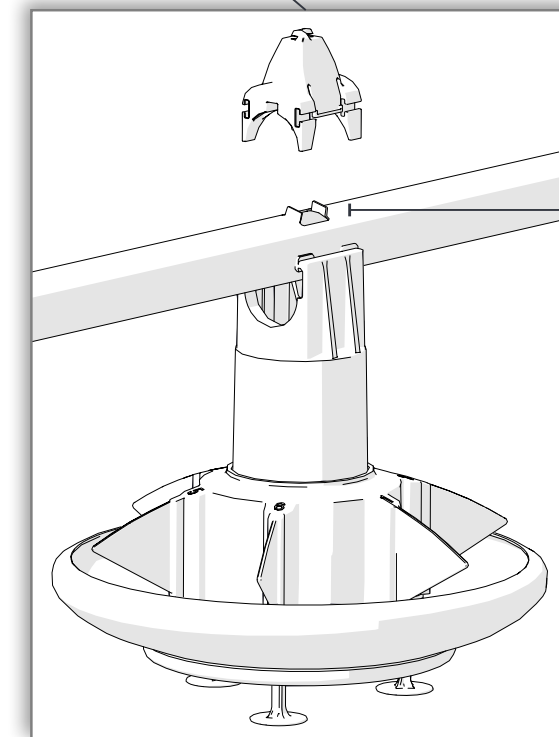
## 2. Introduction

The pan feeder line pipe rotation set enables shutting off feed supply to a section of the line.

**1.** The feeding line is cut at the start and end of the section to be rotated, and pipe bearings are installed



**2.** A lever is attached to the section of pipe to be rotated and is used to rotate the pipe 180 degrees



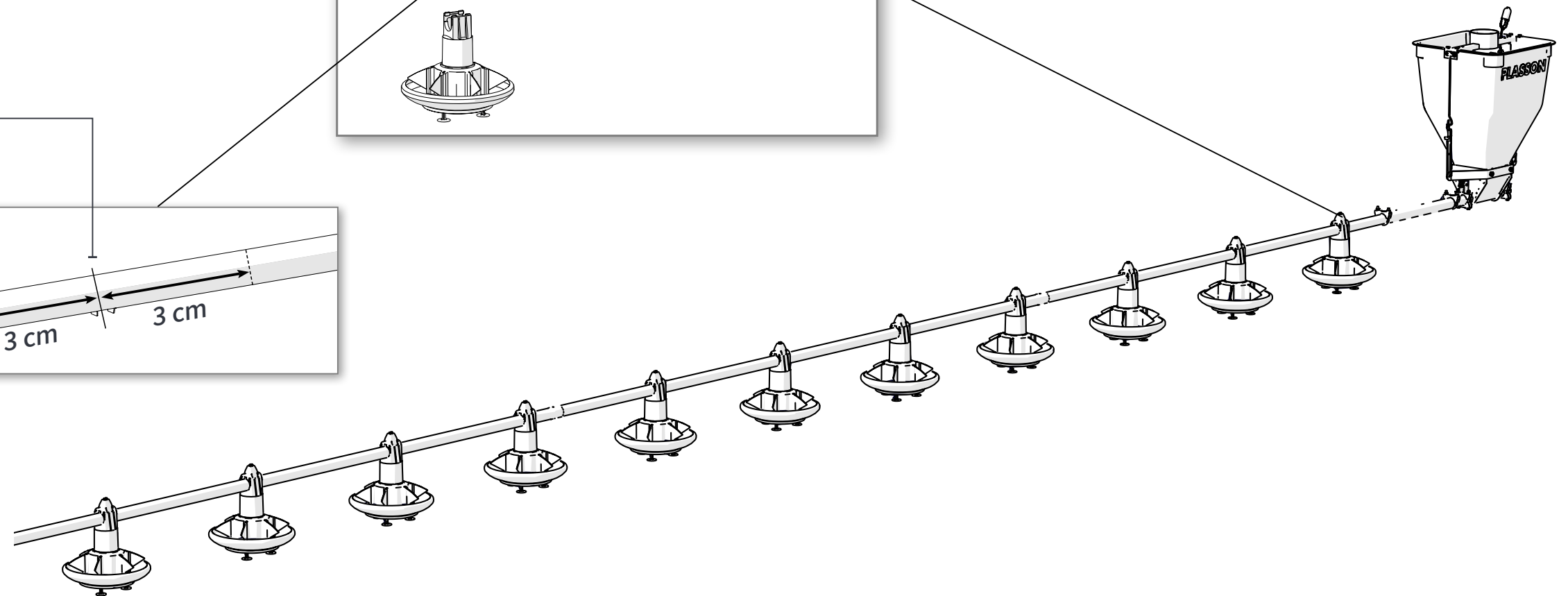
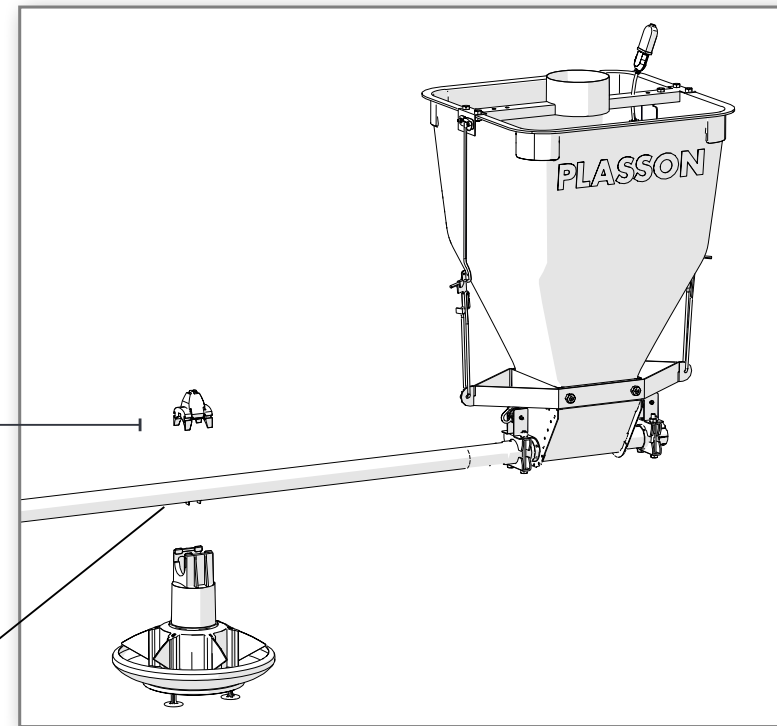
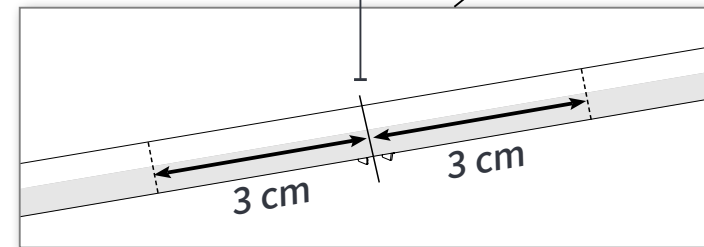
**3.** After rotation, all pan holes of the rotated section face upwards

### 3. Assembly Instructions

Perform the following steps to install the pan feeder line pipe rotation set:

**1.** Remove the pan closest to the hopper

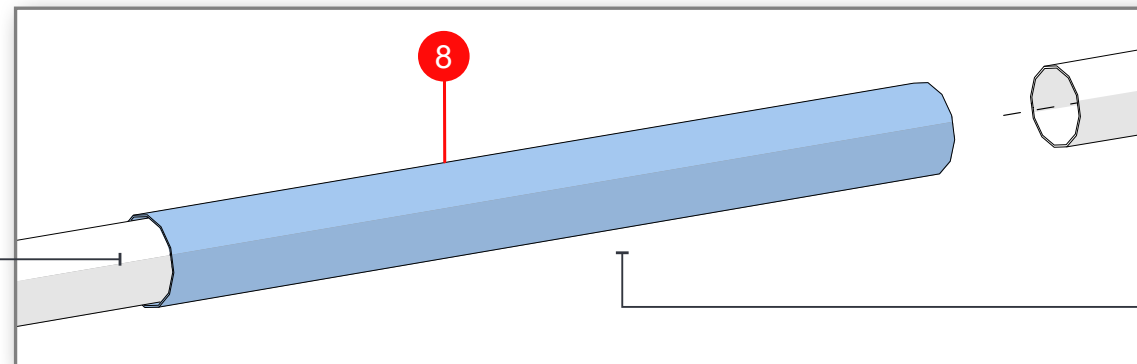
**2.** Cut the pipe a distance of 3 cm on either side of the pan hole



**! CAUTION**

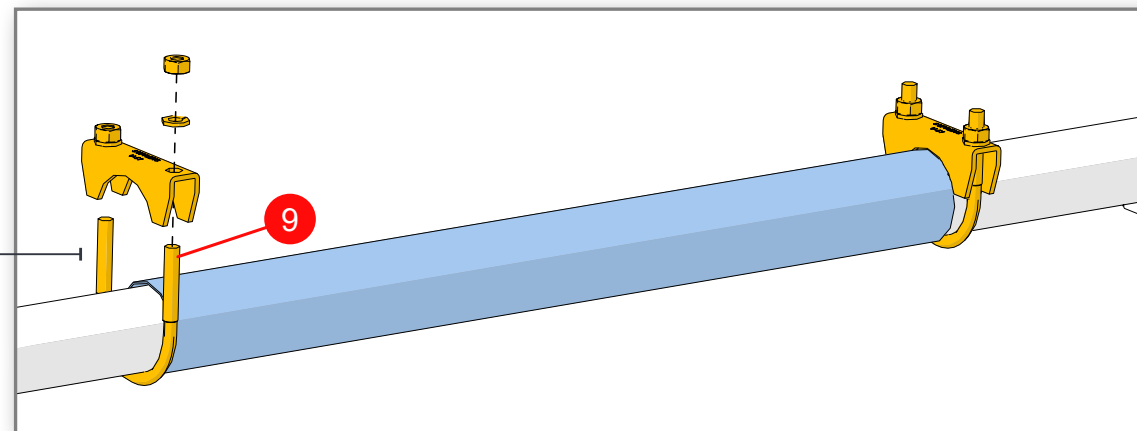
If the auger is installed, remove it before cutting the pipe

**3.** Place a 50 mm pipe (8) over one of the cut pipes

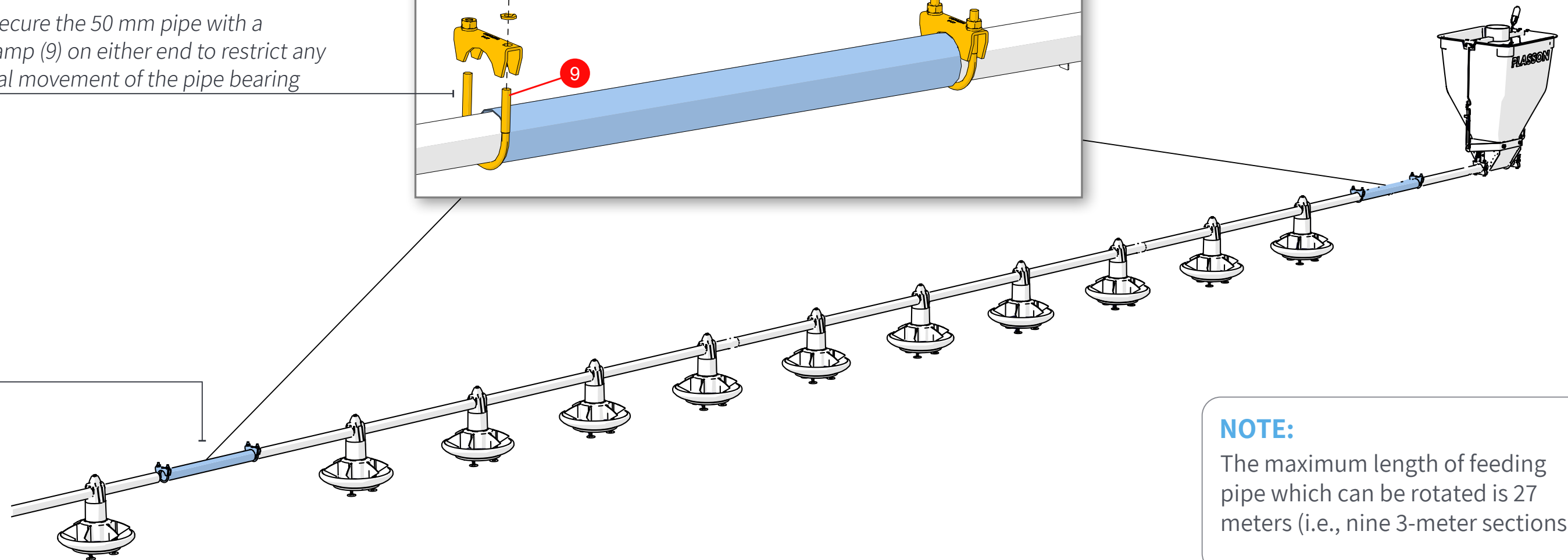


**4.** Bring the two cut sections as close as possible to the center of the 50 mm pipe

**5.** Secure the 50 mm pipe with a U-clamp (9) on either end to restrict any lateral movement of the pipe bearing



**6.** Cut the pipe between two pans at the other end of the section to be rotated, and repeat steps 3-5



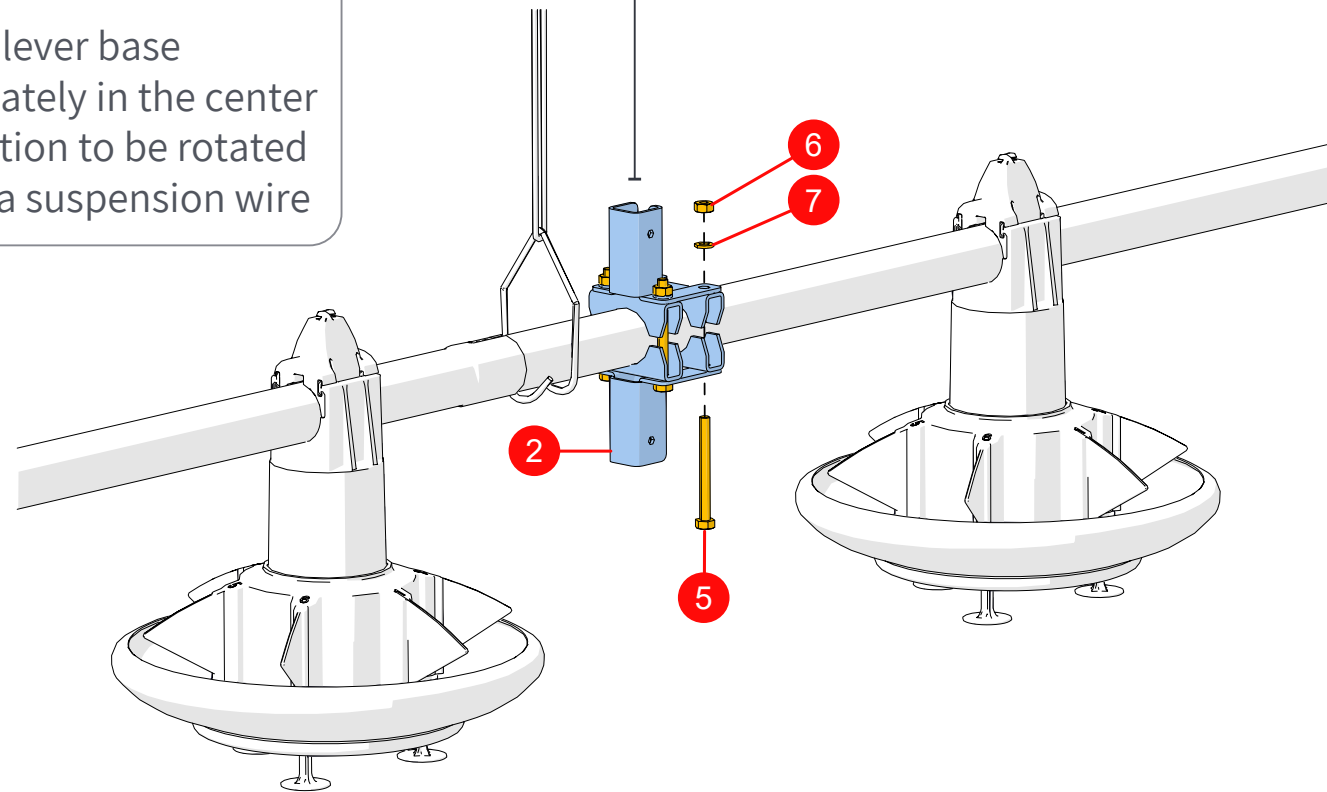
**NOTE:**

The maximum length of feeding pipe which can be rotated is 27 meters (i.e., nine 3-meter sections)

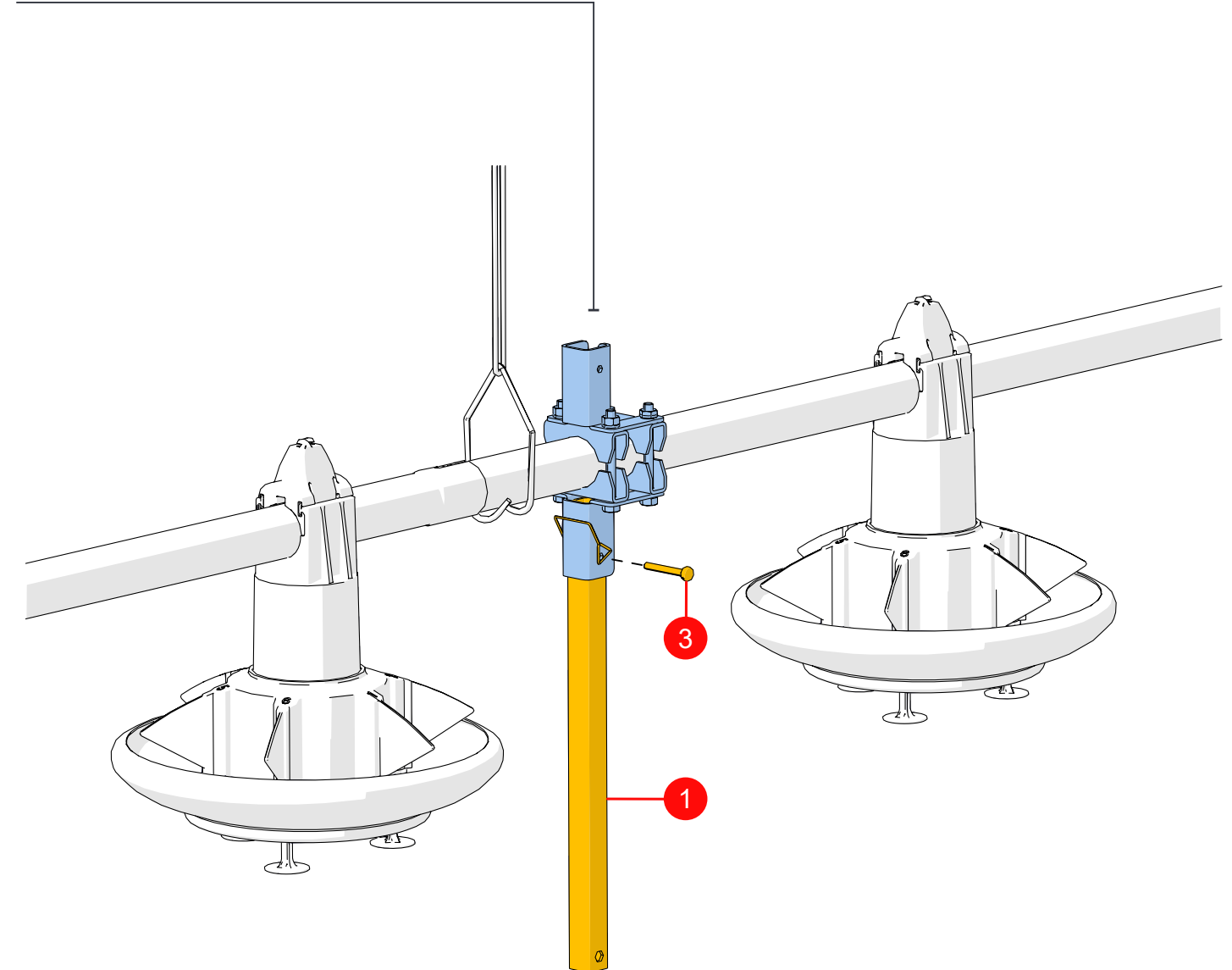
**7.** Attach the rotation lever base (2) to the pipe using four screws (5), four washers (7), and four nuts (6)

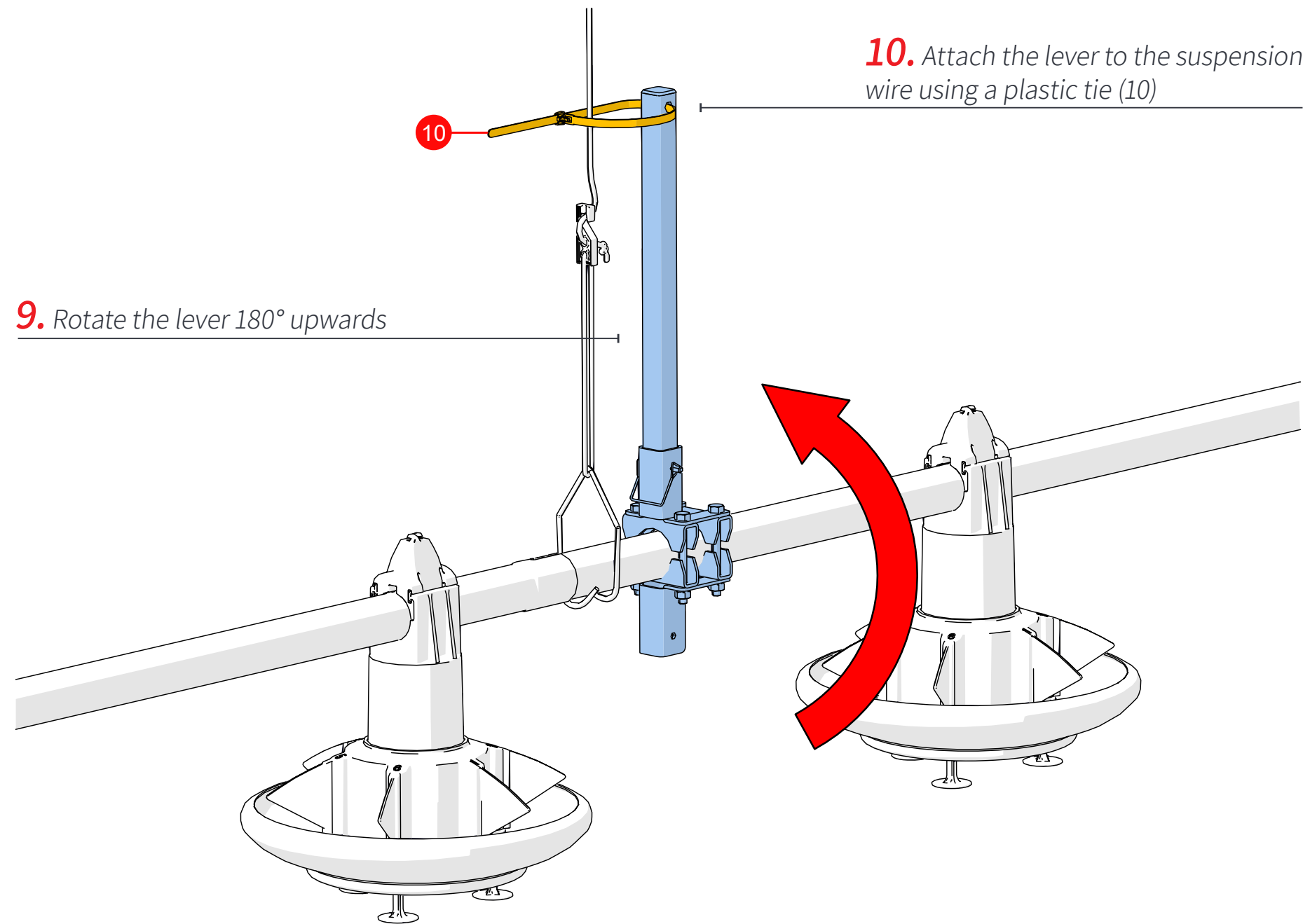
**NOTE:**

Place the lever base approximately in the center of the section to be rotated and near a suspension wire



**8.** Insert the lever (1) into the base and secure it with the pin and clip (3)





**NOTE:**

If the feeding line is close to the ground, rotate the pipe 180° as follows:

1. Insert the lever into the top of the base
2. Rotate the pipe 90°
3. Remove the lever and insert it into the other end of the base
4. Rotate the pipe an additional 90°



## 4. Components List

The following table displays the list of parts required to assemble the feeder pipe rotation set:

ID#	P/N	Description	QTY
1	02311577	ROD FOR ROTATION LEVER 45MM PIPE	1
2	02311578	BASE FOR ROTATION LEVER 45MM PIPE	1
3	02311579	PIN FOR ROTATION LEVER 45MM PIPE	1
4	02310511	ANTI-PERCH CLAMP SUPPORT FOR 45MM PIPE	4
5	02310516	DIN 933 M8X80 SCREW 10.9 ZINC PLATED	4
6	02310053	NUT 8MM	4
7	02310054	SPRING WASHER 8MM	4
8	02318024	GALV PIPE 50 X 500MM FOR 45 MM PIPE ROT KIT	2
9	02310073	U TYPE CLAMP2"(51)	4
10	---	Releasable Plastic Strap HV-300BK	1



Feeding



Drinking



Climate



Housing



Plasson Livestock  
Maagan Michael, D.N. Menashe  
3780500 Israel



info@plassonlivestock.com



+972-73-2413001



<https://www.plassonlivestock.com>

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