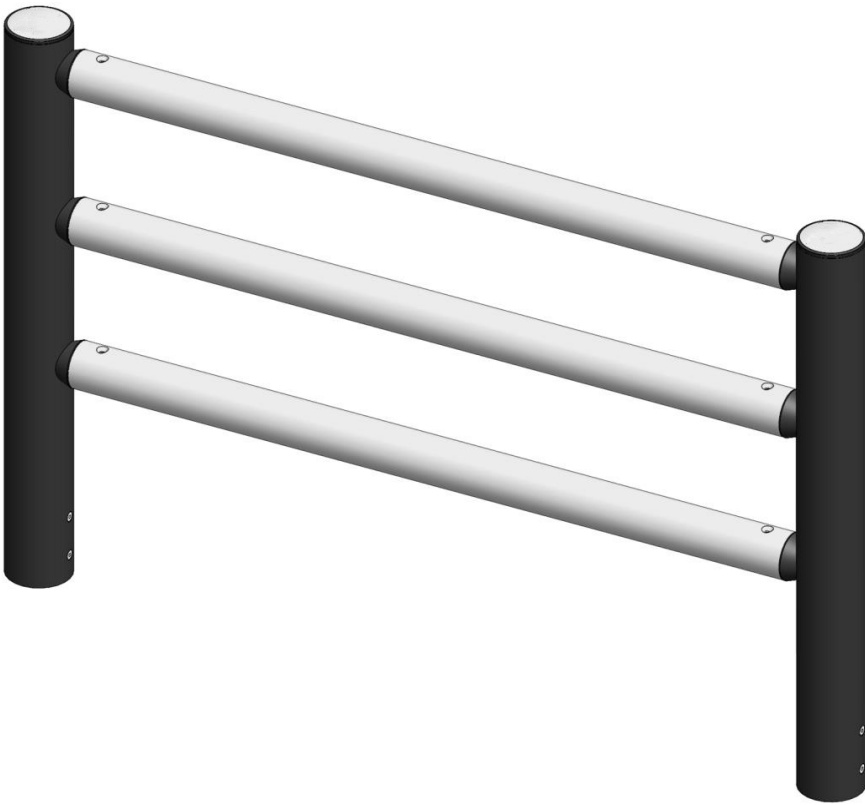


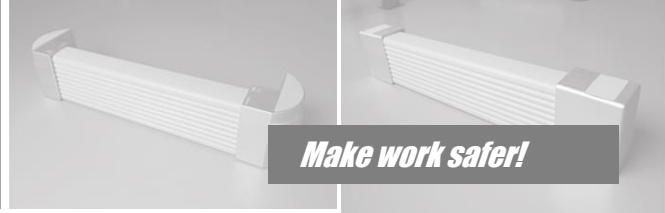
Installation instructions



Applicable for installation of the following products:

L&M type Barriers

Contents



1.Preparation before Installation

- 1.1 Preparation of labor protection equipment and tools
- 1.2 Preparation of components
- 2. Installation guidance for anchor bolts
- 3. Installation guidance for products
- 4. Regular maintenance

1.1 Preparation of Labor Protection Equipment and Tools



safetyhelmet



Weargoggle



weara mask



Ear protectors



Wear work clothes



protective gloves



Wear safety shoes



Fasten the seat belt

●Installation tools



Electric hammer

Equipped with a $\Phi 18$ drill bit



rush with holes

$\Phi 20$



Blow gun



Specialty glue gun

Special for Hu Fish 390
The export business uses mechanical anchor bolts, so there is no need to use a glue gun. Customers can configure according to their own needs.

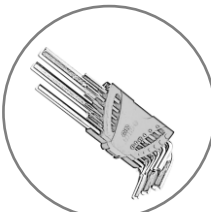


Rubber hammer



Socket wrench

M16 with 200 extension handles



Hexagonal socket

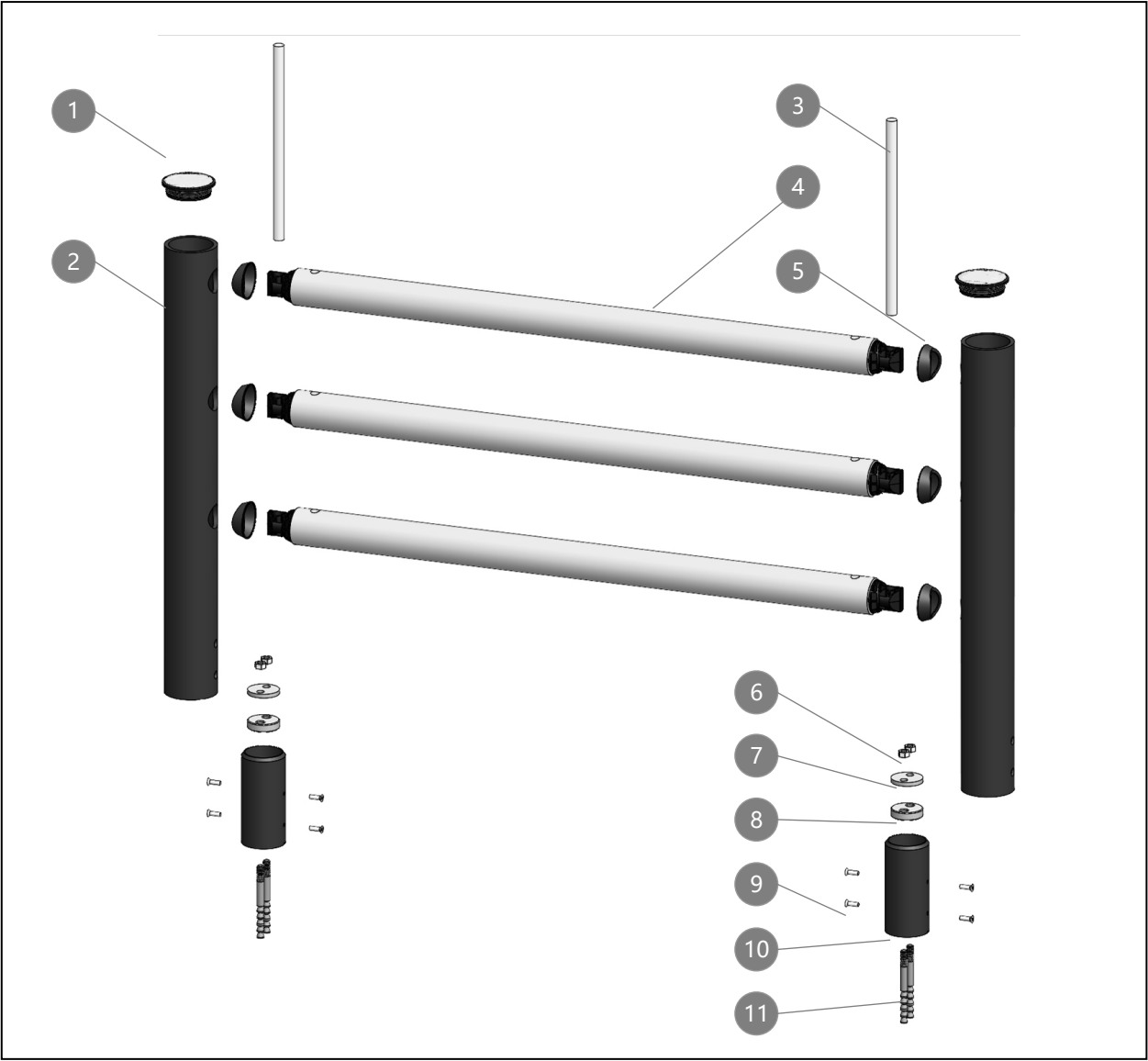
M10



Measuring tape

1.2 Preparation of components

- Three-dimensional explosion diagram

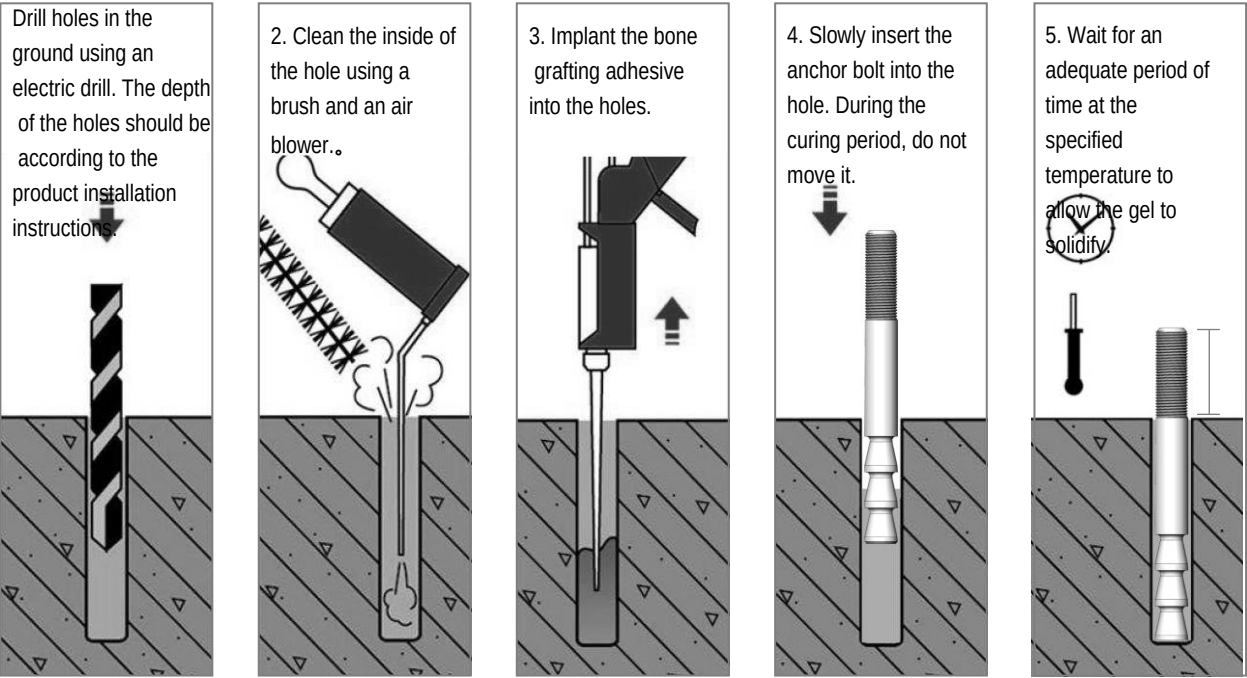


- List of components (the specific quantities will be determined according to the requirements)

No.	Material Description	No.	Material Description	No.	Material Description
1	End cap	5	Crossbeam buffer cover	9	Hexagon head flat-head screw - M10*25
2	Column	6	Hexagonal nut - M16	10	Base
3	Fixed rod	7	Metal pad	11	Inverted conical chemical anchor bolt - M16
4	Crossbeam assembly	8	Rubber pad	12	

2. Inverted cone chemical anchor installation guide (for export, it is the same as the installation of fences and uses **mechanical anchors instead**)

● Anchor bolt installation steps



● Size of anchor bolt drilling holes

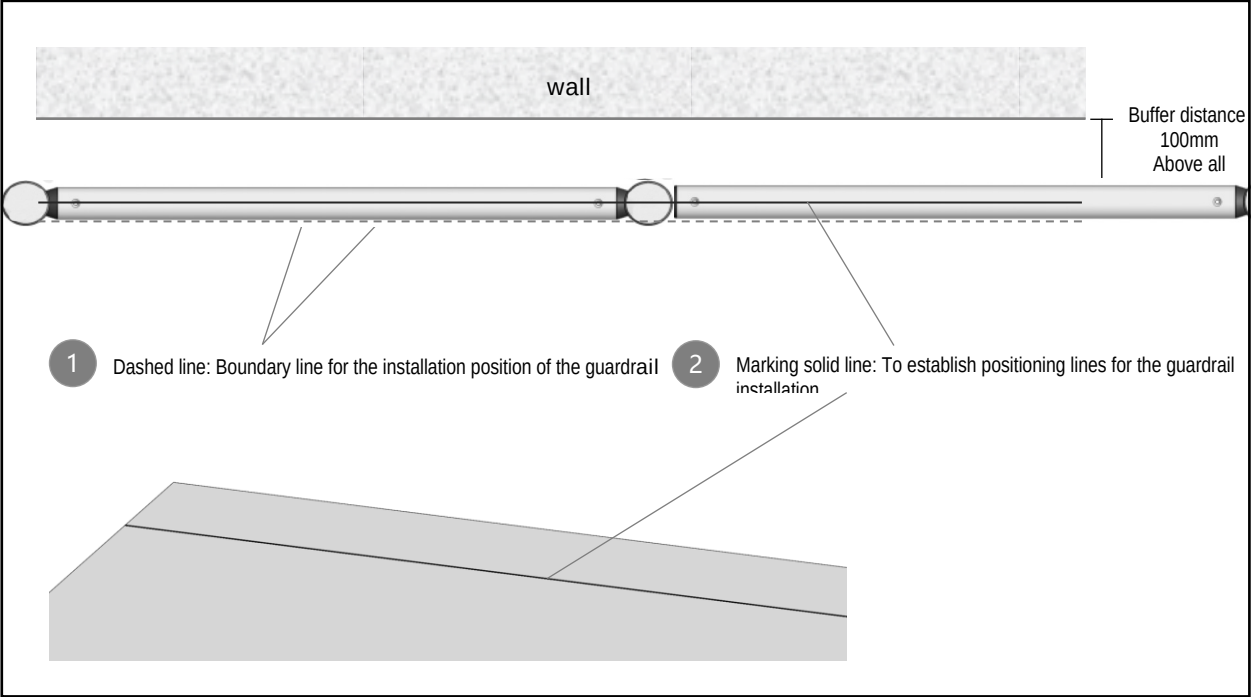
Anchor bolt specification	M20	M16	M12	—
Drill bit size	Φ25	Φ18	Φ14	—

● Installation time and curing time of the bone graft adhesive

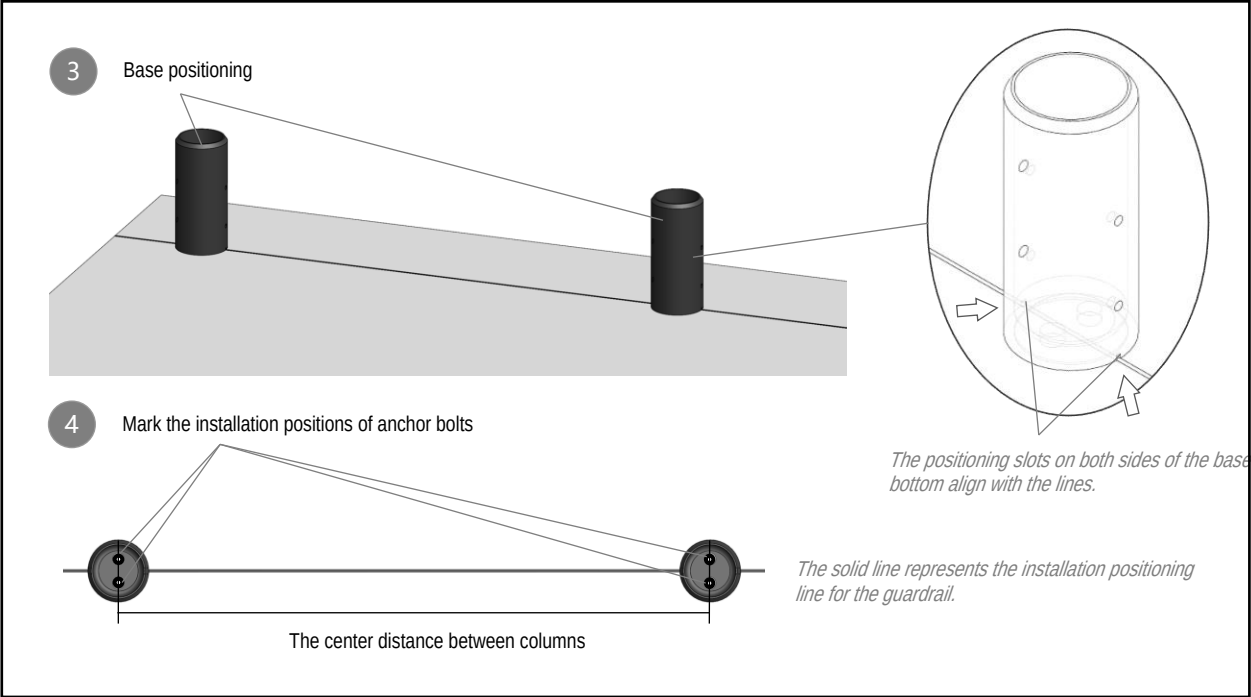
Base material temperature ℃	German Hui Fish 390s		German Smart Fish 345S	
	Installation time	Curing time	Installation time	Curing time
-5 ~ 0	240 minutes	200 hours	-	360 minutes
0 ~ 5	150 minutes	90 hours	-	180 minutes
5 ~ 10	120 minutes	40 hours	15 minutes	90 minutes
10 ~ 20	30 minutes	18 hours	6 minutes	35 minutes
20 ~ 30	14 minutes	10 hours	4 minutes	20 minutes
30 ~ 40	7 minutes	5 hours	2 minutes	12 minutes

3.1 Product Installation Guidance

Step 1: Installation Position Location



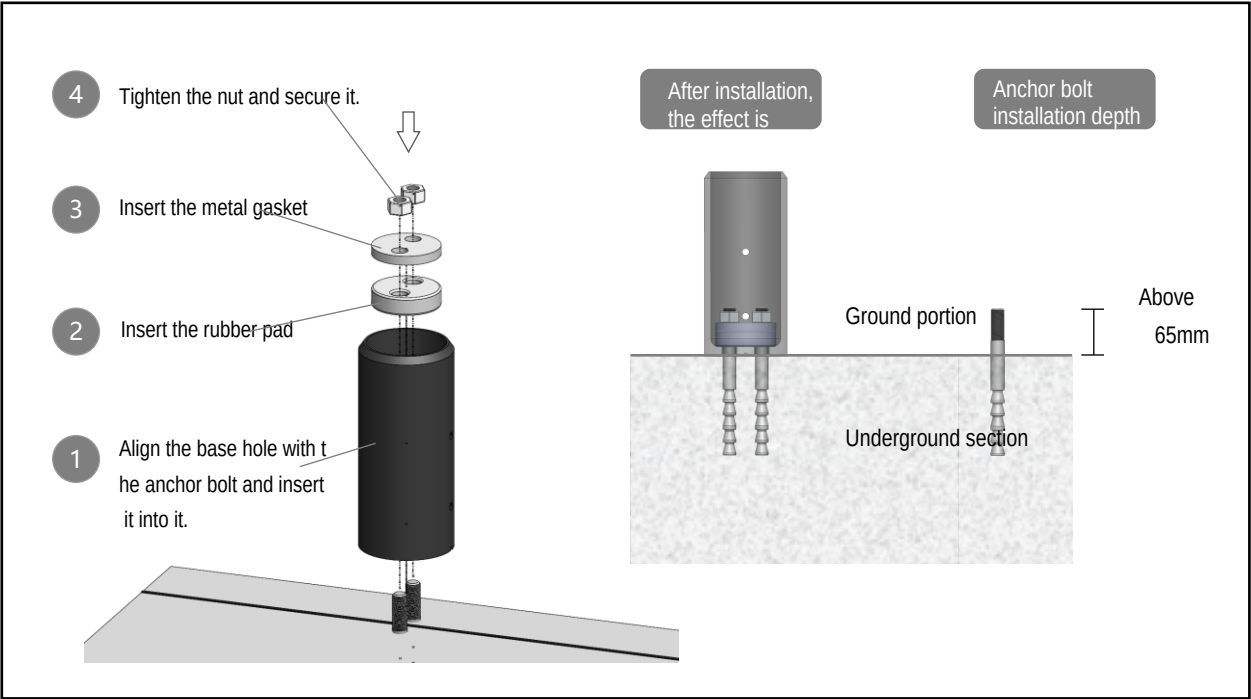
Step 2: Positioning of anchor bolts



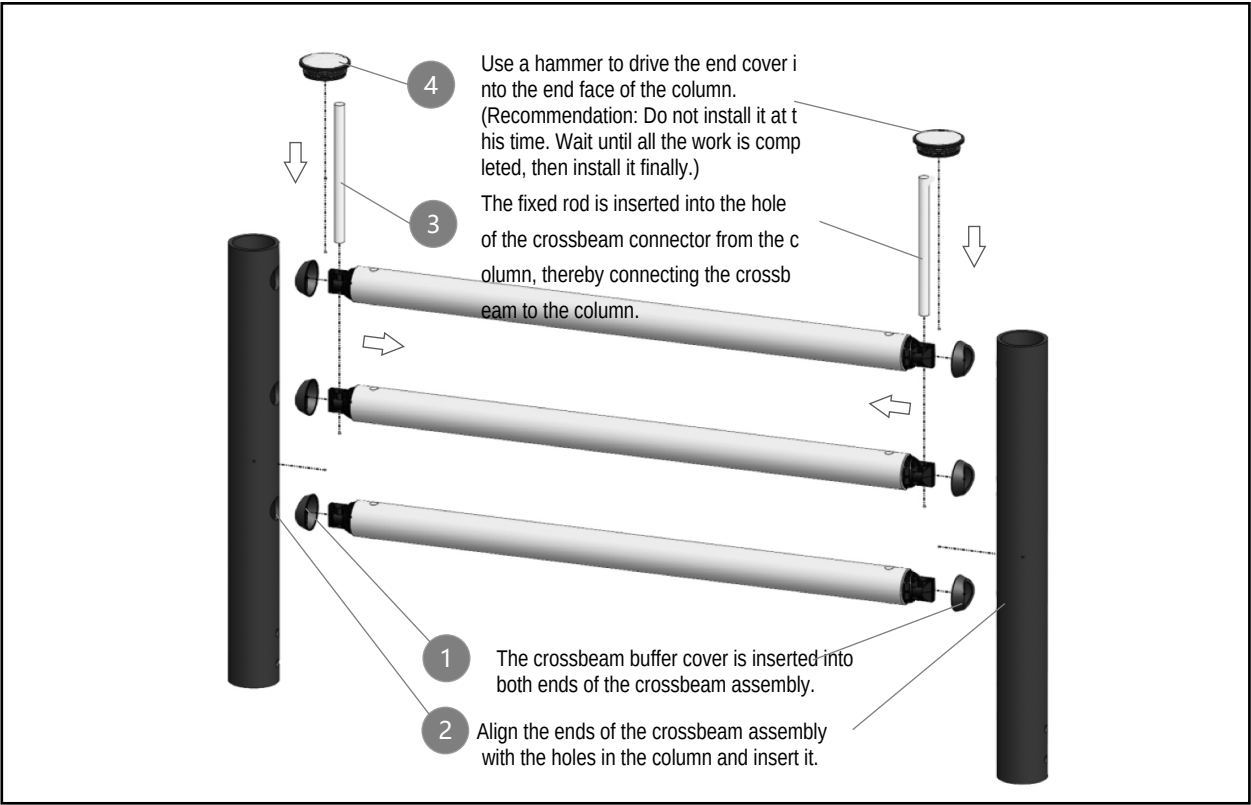
Step 3: Remove the base and install the anchor bolts (refer to "2. Installation Guidance for Inverted Conical Chemical Anchors")

3.2 Product Installation Instructions

Step 4: Installation of the base

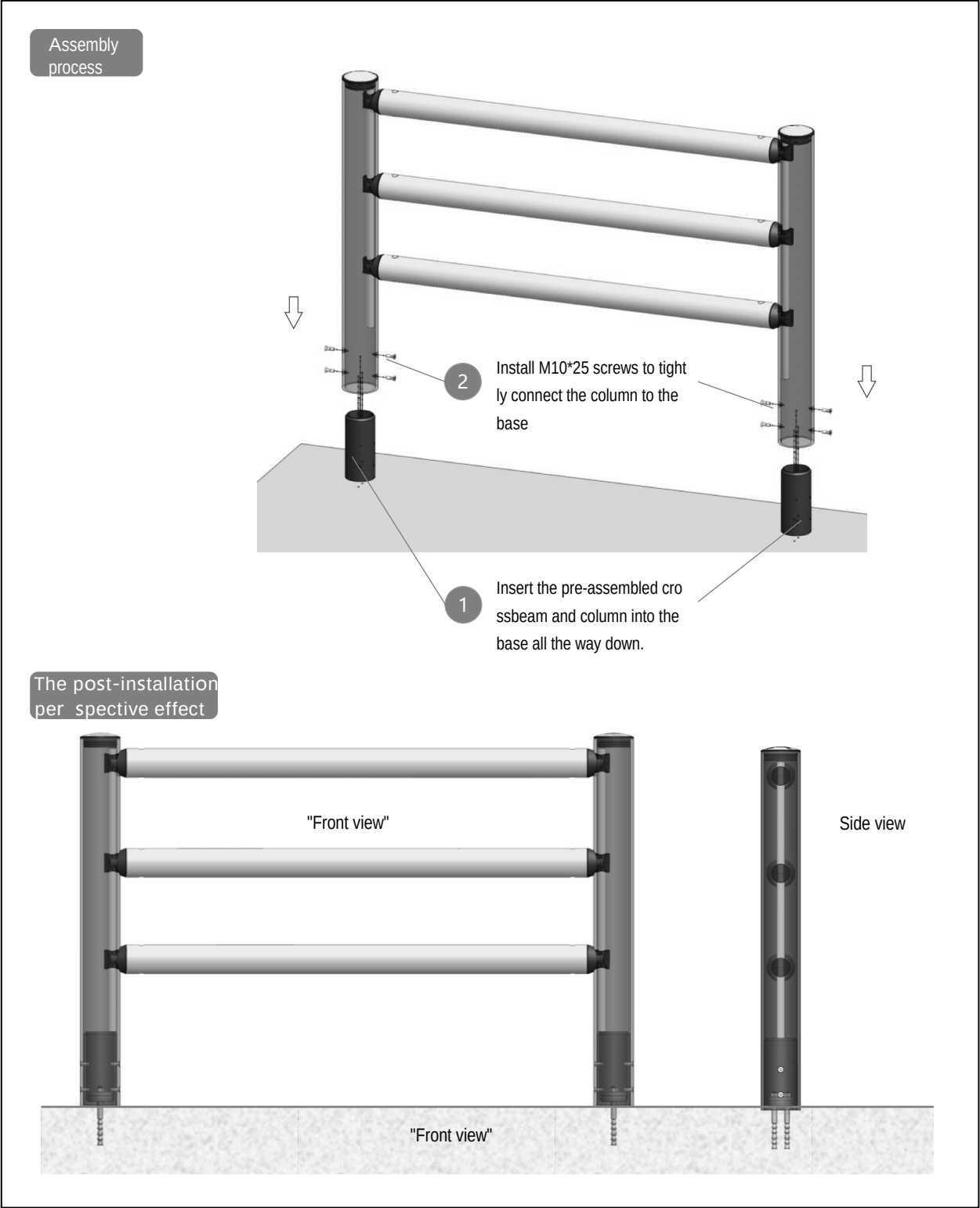


Step 5: Pre-assemble the crossbeam and column



3.3 Product Installation Instructions

Step 6 - Final Assembly



Step 7: Surface cleaning. Use a damp towel to wipe away all the dirt on the surface.

4. Regular maintenance

- Regular maintenance

Clean the surface of the product once a week with a cleaning agent.

- Abnormal Handling

(1) If the pipe material becomes dirty and cannot be cleaned, you can use degreasing solvent (Tentane water) for cleaning.