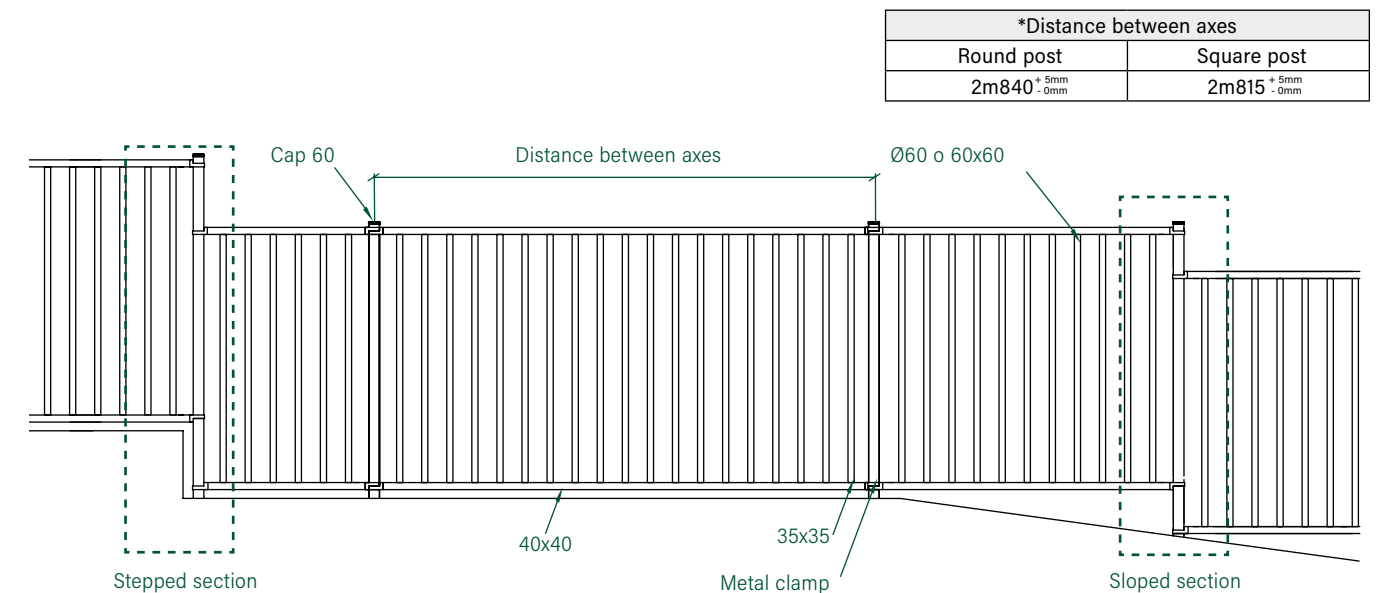# CALITAX® SYSTEM

OUTSTANDING

- Industrial fence manufactured with highly rigid metal sections
- Robust appearance of the fence
- Very strong circular section posts
- Rapid and simple erection
- Non-removable security screw system
- Unique and versatile post/frame fastening system

Application places

Warehouses & factories | Power stations | Fairs & exhibitions | Hospitals | Institutes & schools | Residential houses | Harbours | Airports | Train stations | Parks & gardens

10 YEARS OF GUARANTEE

Assembly

*Distance between axes	
Round post	Square post
2m840 +5mm -0mm	2m815 +5mm -0mm

Cap 60 · Distance between axes · Ø60 o 60x60

Stepped section

40x40

35x35

Metal clamp

Sloped section

THE STEPPED SECTION AND THE SLOPING SECTION

- The post and frame are fastened together using metal straps manufactured of sheets 1.5 mm thick, that give it a robustness and aesthetic qualities while being discreet.
- Non-removable safety bolt system that offers a perfect technical solution with a high level of aesthetics.
- The strap model alone can provide changes in direction at different angles, slopes and stepped sections without the need for welds.
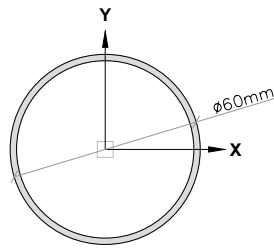
Technical features

POST
- Ø60x2mm or Ø60x3mm steel-plated posts, depending on height
- Polypropylene cap which will not degrade in harsh weather.

PANEL
- Panel made of 40x40x1.5 horizontal sections and 35x35x1.5 vertical sections
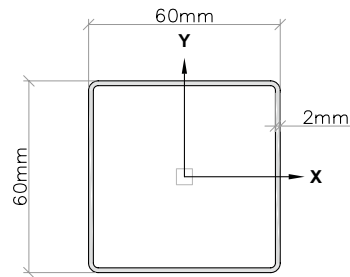- Rapid assembly without welding

Detail of round post

Profile Ø60x2mm
Profile weight: 2.86Kg/ml
Galvanised sheet Z-275
I/V= 5.11cm³

Profile Ø60x3mm
Profile weight: 4.22Kg/ml
Galvanised sheet Z-275
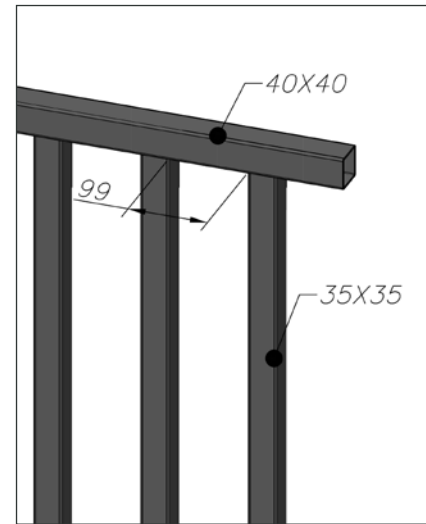I/V= 7.29cm³

Detail of square post
Profile 3.56Kg/ml
Galvanised sheet Z-275
Thickness: 2mm
I/V= 8.38cm³

Frame detail Calitax

FENCE HEIGHT	PANEL		POST						
			ROUND POST		SQUARE POST		LENGTH		
	LENGTH	TYPE	TYPE (mm)	DISTANCE BETWEEN AXES	TYPE (mm)	DISTANCE BETWEEN AXES	FOUNDATION	ON PLATE	
1m00	2m 750	0m989	Ø60x2	2m840 +5mm -0mm	60x60x2	2m815 +5mm -0mm	1m30	1m05	
1m20		1m189					1m50	1m25	
1m50		1m489					1m90	1m55	
1m80		1m789	Ø60x3				2m15	1m85	
2m00		1m989					2m35	2m05	

NOTE: For sections with more than 10 frames, it is advisable to readjust the interaxes so as not to accumulate errors in the measurement.

Fence height
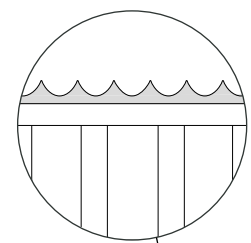
Option to weld a defensive profile on the top of the frame

1m00 1m20 1m50 1m80 2m00
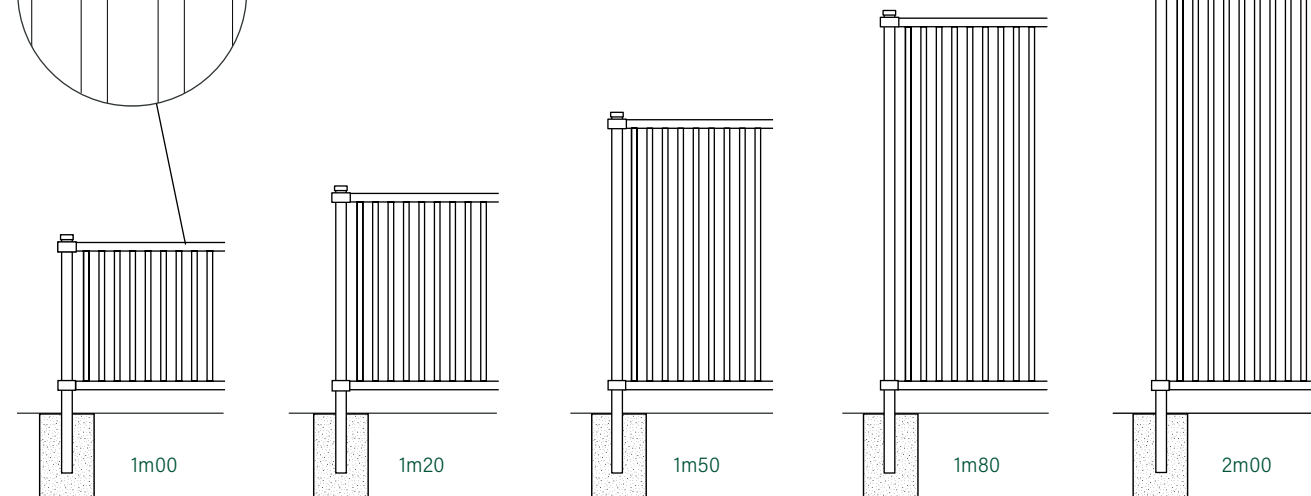
Round post

The connection between the post and the frame is made with 1.5mm-thick sheet metal clamps, which offer a robust but discreet appearance.

ROUND POST CONNECTION SYSTEM APPLICATION	
APPLICATION	Ø60mm round posts
MATERIAL	Metal clamps made of 1.5mm-thick galvanised sheet metal.
FINISHING	The clamps are plasticised with Rivisa's Protecline coating system, in the same colour as the gate.
COMPOSITION	Clamp + Bolts and screws

UNITS PER POST	
INTERMEDIATE POSTS / ANGLE	4 pcs. post
EXTREME POSTS	2 pcs. post

INTERMEDIATE POST

Install the attachment to make a special-width panel and bolt the assembly to the post attachment.


Metal clamp

Elements of fasteners
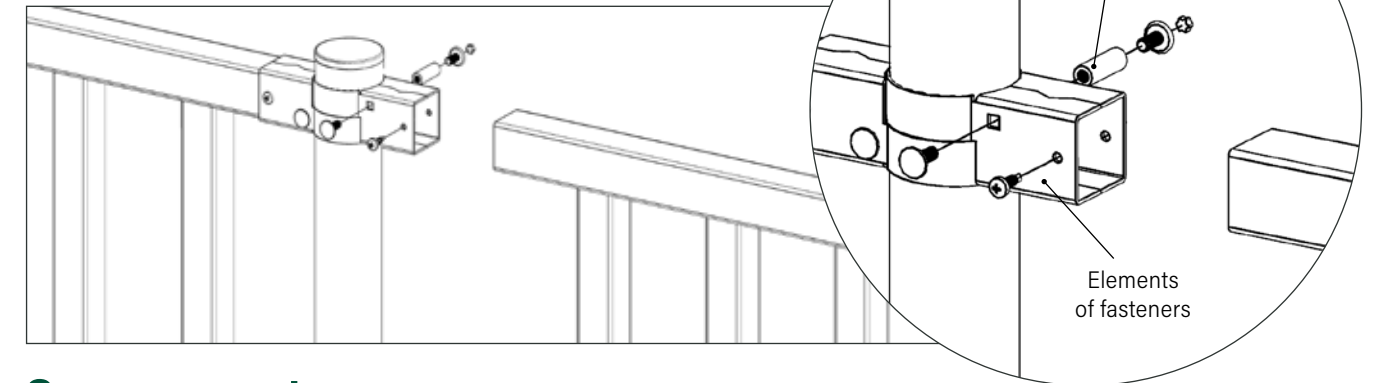
Square post

The connection between post and frame is made with high-strength plastic bushings.

SQUARE POST CONNECTION SYSTEM	
APPLICATION	60x60mm square posts
MATERIAL	Sleeves manufactured in polypropylene
FINISHING	Polypropylene black colour
COMPOSITION	Bushing + M8 Screws + M8 Nut

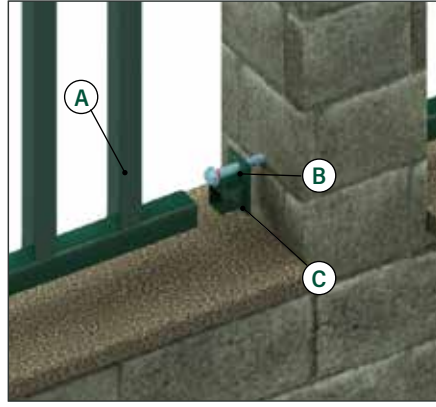| INTERMEDIATE POSTS	
INTERMEDIATE POSTS	4 pcs. bushing + 2 pcs. screws
ANGLE POST	4 pcs. bushing + 4 pcs. screws
EXTREME POSTS	2 pcs. bushing + 2 pcs. screws

INTERMEDIATE POST

Perforation
Receiving box profile 40x40
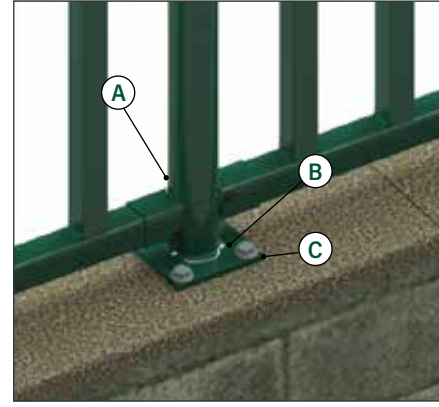Threaded rod M8 Allen
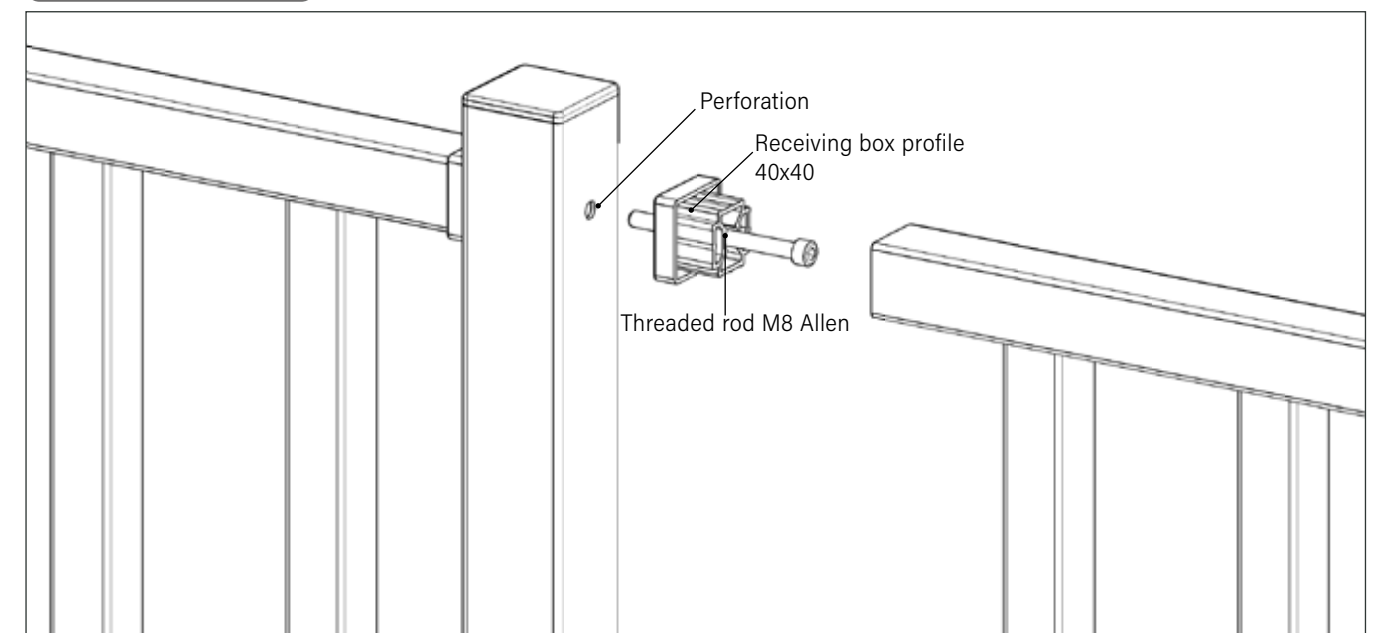
Anchoring systems
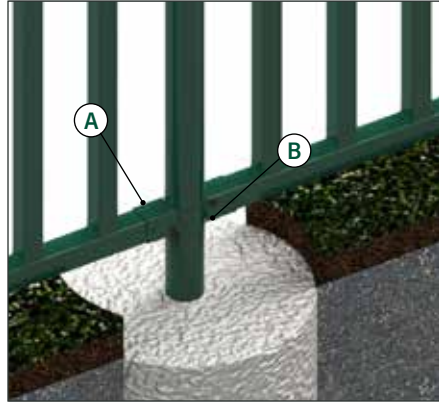
FOUNDATION
Post installation with concrete footings.

A. Calitax system post

B. Foundation

ANCHOR
Option of installing the fence with a side plate.

A. Calitax system panel

B. Wall plate

C. Anchor

BASE PLATE
A base plate can be used to install the posts on the concrete wall, or for fences less than 2m00 high. Dimensions of the plate: 120x120x8mm.

A. Calitax system post

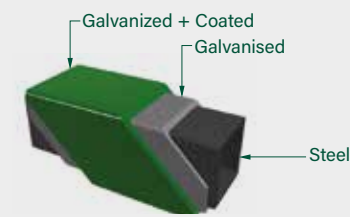**B.** Base plate

C. Anchor

Anticorrosion coating

All the materials of system are hot dip galvanised and plastic coated with **Rivisa® Protecline** anticorrosion coating system.
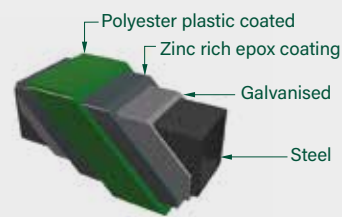
- Minimum thickness: 100 microns
- Option of applying the **Rivisa® Protecline Plus** plastic coating, which prolongs the useful life of the materials
- Option of applying the **Rivisa® Protecline Plus triple** plastic coating, which prolongs the useful life of the materials
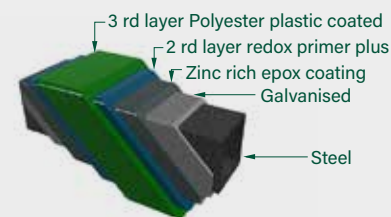- Available in several colours from the Rivisa RAL chart. Colours:

White RAL-9016 Green RAL-6005 Gray RAL-7016 + For other colours see Rivisa RAL chart

protecline
- Galvanized + Coated
- Galvanised
- Steel

protecline PLUS
- Polyester plastic coated
- Zinc rich epox coating
- Galvanised
- Steel

protecline TRIPLE
- 3 rd layer Polyester plastic coated
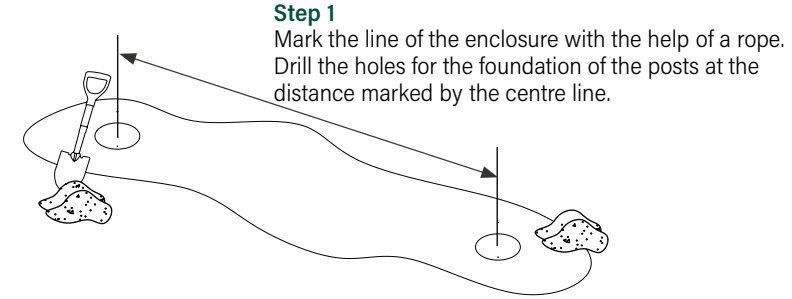- 2 rd layer redox primer plus
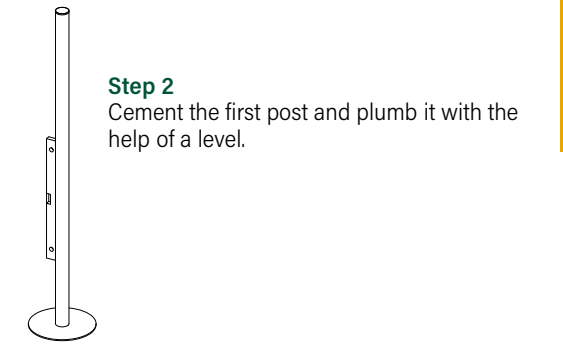- Zinc rich epox coating
- Galvanised
- Steel

Assembly manual
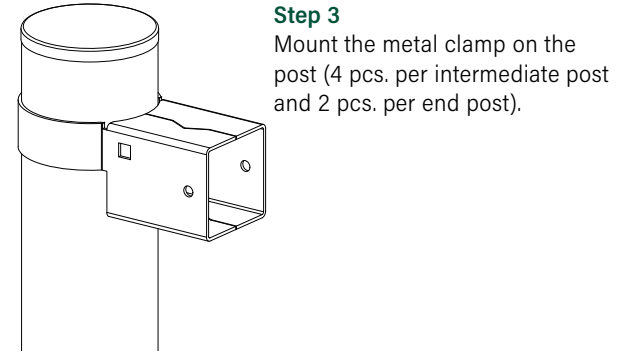
Preparing the ground

Step 1
Mark the line of the enclosure with the help of a rope. Drill the holes for the foundation of the posts at the distance marked by the centre line.
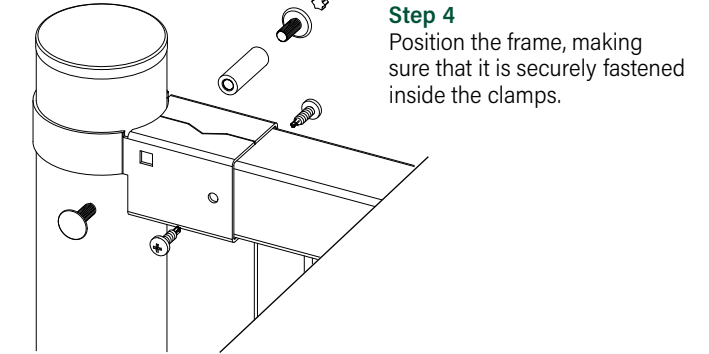
Step 2
Cement the first post and plumb it with the help of a level.
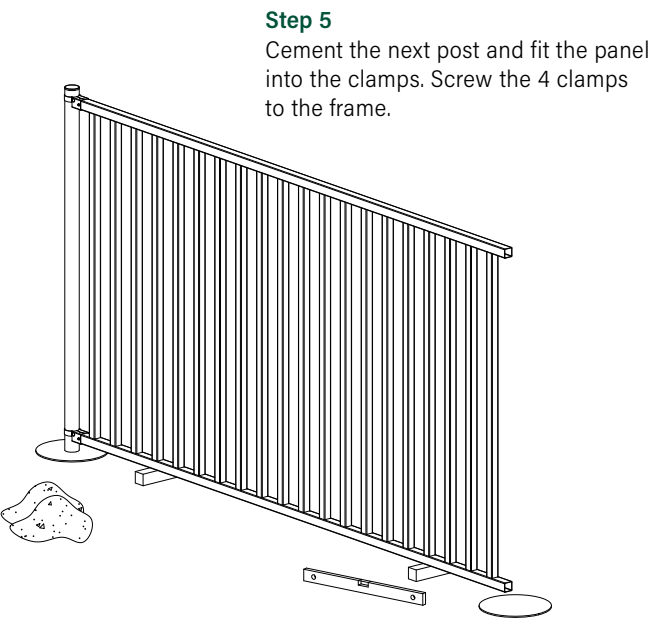
Post and clamp assembly

Step 3
Mount the metal clamp on the post (4 pcs. per intermediate post and 2 pcs. per end post).
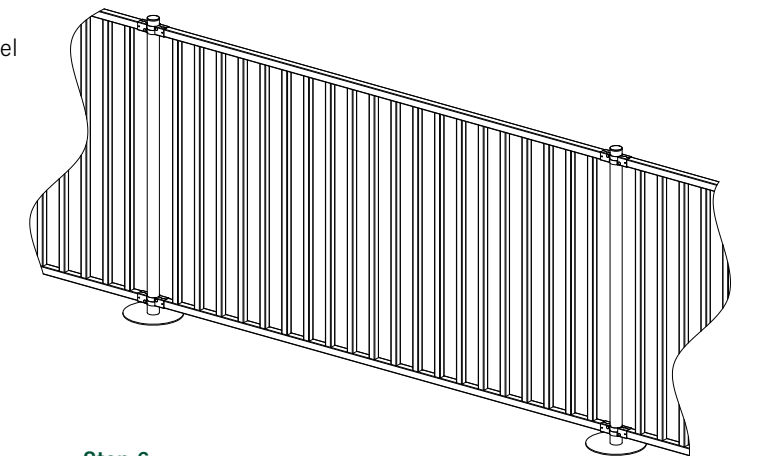
Step 4
Position the frame, making sure that it is securely fastened inside the clamps.

Frame and end section assembly

Step 5
Cement the next post and fit the panel into the clamps. Screw the 4 clamps to the frame.

Step 6
Repeat the operation as many times as necessary.
If base plate anchoring has been used instead of foundation anchoring, screw the base and insert the first post.
Hook the panel and insert the next post.