NOVANO

Privacy Re-inspired

FENCE INSTALLATION GUIDE

The Materials

Novano is extremely resistant to outdoor/exterior influences and is 100% recyclable.

Novano really looks like premium wood. Our product is distinguished by its unique structure making it very solid. Its permeability makes it resistant to decay and all-weather conditions. Unlike wood, Novano does not grey and its color fades minimally.

Once installed, your terrace will require a minimum of maintenance for a maximum of years, it is a real ecological alternative to tropical wood products.

Its use is mainly recommended outdoors for a terrace, around a swimming pool or a jacuzzi, etc. - where thermal and environmental constraints are extreme.

Novano Materials Strengths

Product Properties

- UV resistant
- Weather resistant
- Resistance to chorine
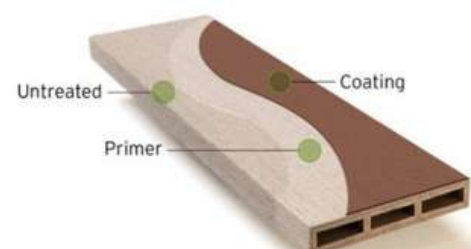- Resistance to insects and fungi / mold

Surface Quality

- Texture identical to wood
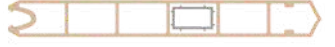- No splinters
- 30 color to choose from

Installation

- Easy installation
- Complete system components
- Easy to refresh color

Durability

- Will not rot
- 100% recyclable
- Easy maintenance

Scope of Delivery

NO.	PRODUCT NAME AND SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
1	**NVPTFP1520B18** (20mm x 150mm x 1850mm) Fence Base Profile with Aluminum Insert		
2	**NVPTFP1672018T** (20mm x 167mm x 1850mm) Fence Top Profile with Aluminum Insert		
3	**NVALT9090** (90mm x 90mm) Fence Top Cap		
4	**NVALPT909019** (90mm x 90mm x 1900mm) Fence Post		
5	**NVALPCU202019** (20mm x 20mm x 1900mm) Fence Post Cover		
6	**NVALPST203018** (20mm x 30mm x 1850mm) Fence Starter		
7	**NVPOBASE140** (600mm x 150mm x 150mm) Fence Post Bearer		
8	**NVALB9090** (150mm x 150mm) Fence Base Cover		

NOTE: To view a complete list of products, please refer to our Novano brochure or visit our website www.novano-resysta.de

Fence System
MODEL 1

NVPTFP1672018T
Fence Top Profile

NVALT9090
Fence Tap Cap

NVALPCU202019
Fence Post Cover

NVALPT909019
Fence Post

NVPTFP1520B18
Fence Base Profile

NVALPST203018
Fence Starter

NVALB9090
Fence Base Cover
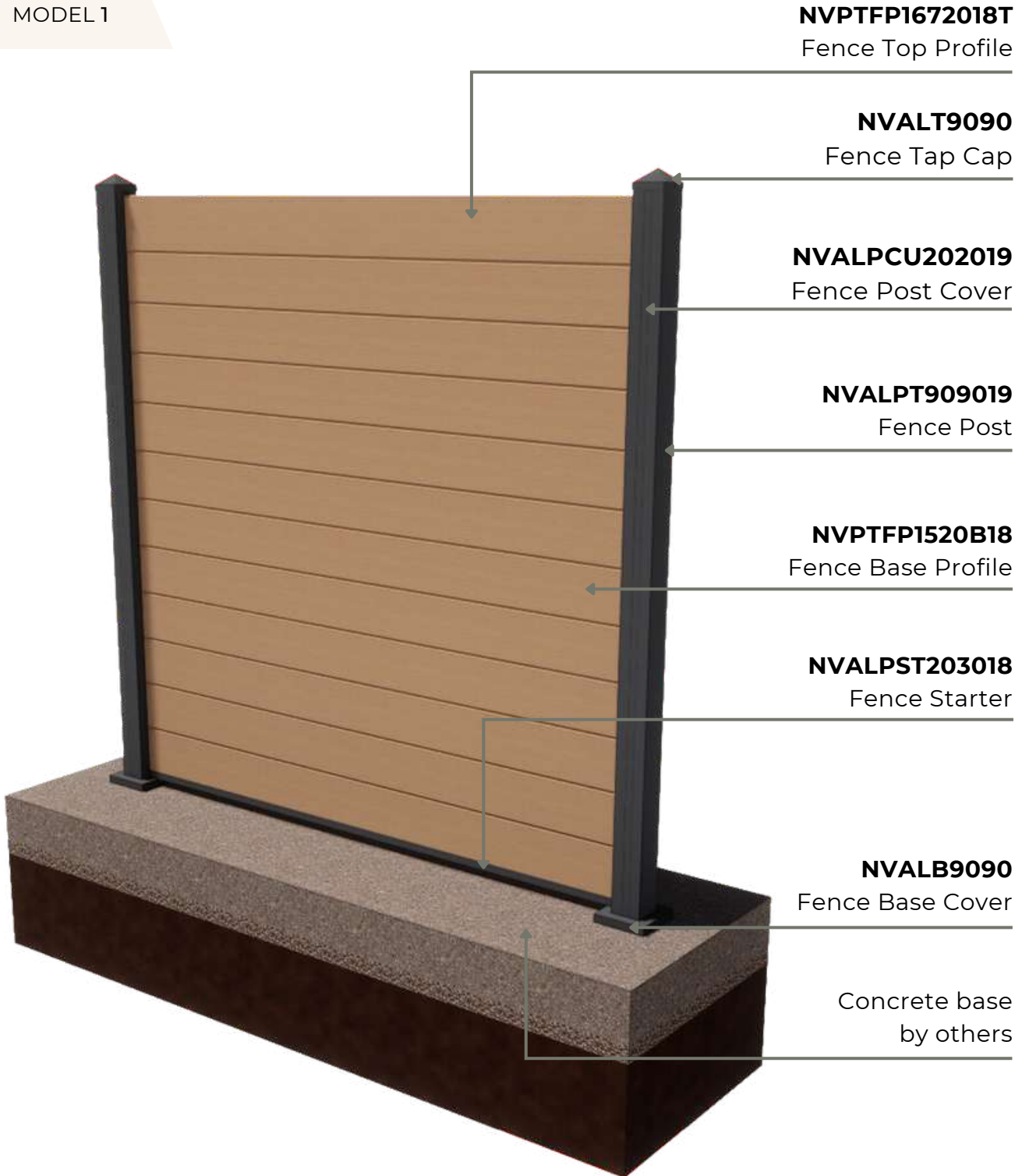
Concrete base
by others

ISOMETRIC VIEW

Check the floor level and fence design or layout. Install the fence post bearer NVPOBASE140 on the concrete base using a recommended bolt of M10 with a washer within the distance of 1890mm on the center of each post bearer.

1890 mm
Center to center post bearer

600mm

8mm thk baseplate

SECTION
Fence System - Model 1

ISOMETRIC VIEW
Fence System - Model 1

Recommended bolt and nut supply by others
M10
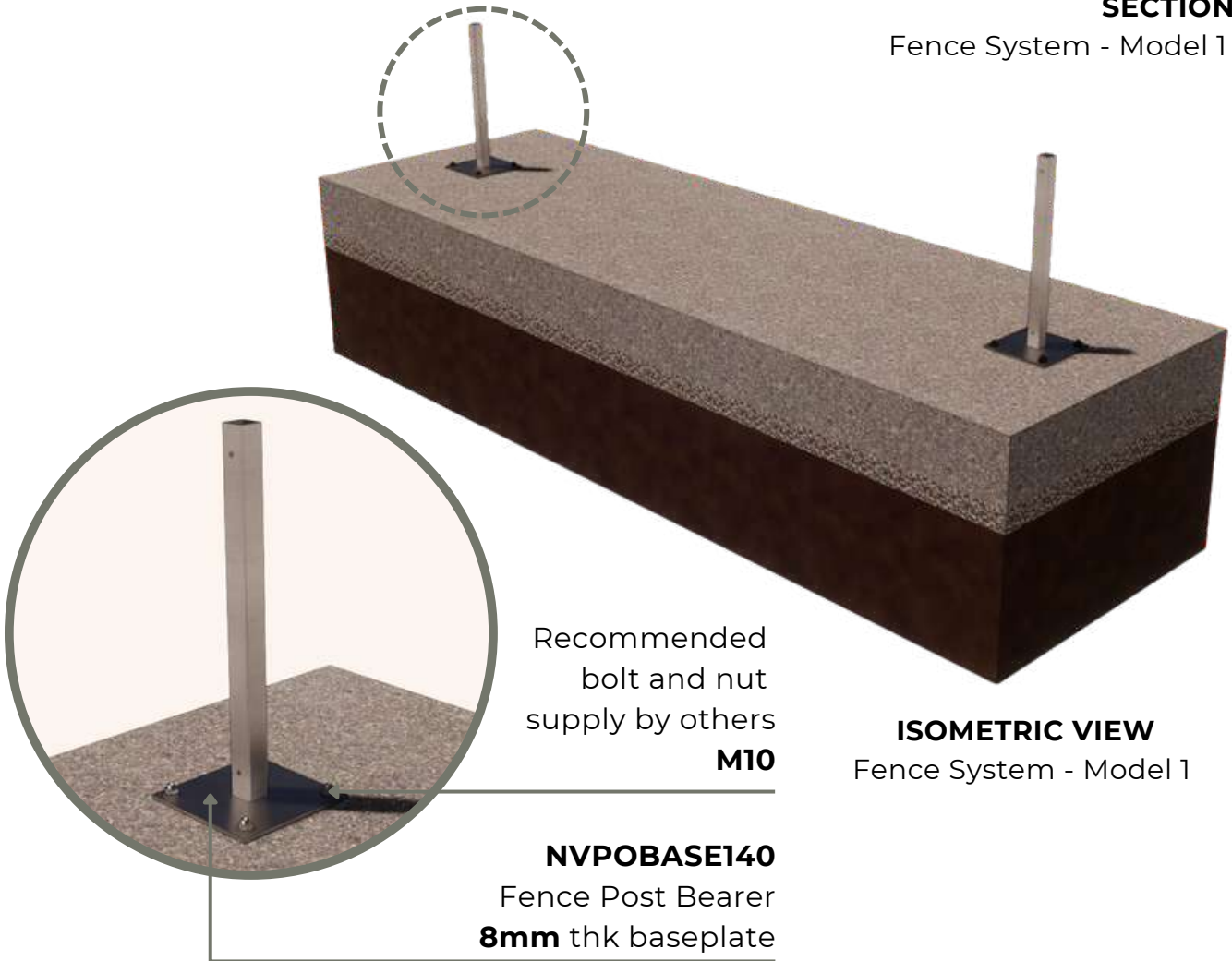
NVPOBASE140
Fence Post Bearer
8mm thk baseplate

ISOMETRIC DETAIL
Fence System - Model 1

Insert fence post NVALPT909019 into fence post bearer NVPOBASE140.
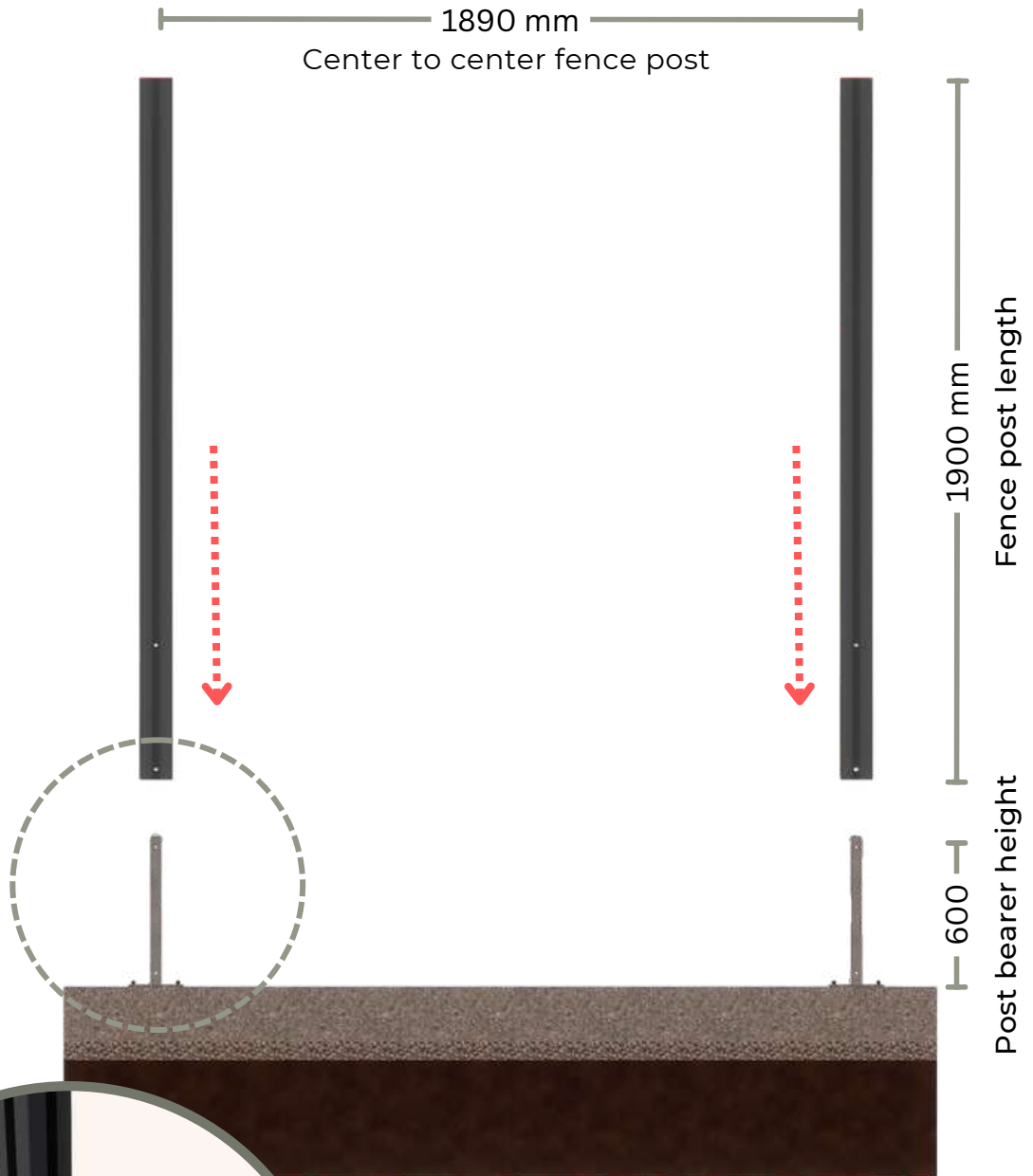
1890 mm
Center to center fence post

Fence post length

1900 mm

Post bearer height

600

SECTION
Fence System - Model 1
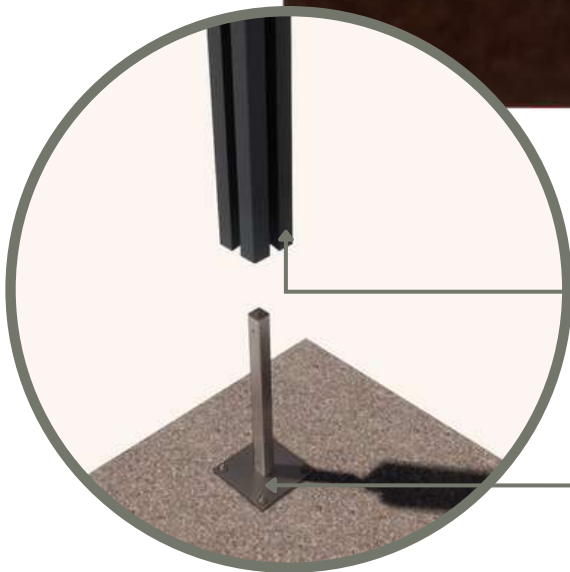
NVALPT909019
Fence Post

NVPOBASE140
Fence Post Bearer

ISOMETRIC DETAIL
Fence System - Model 1

Make sure that the fence post NVALPT909019 and fence post bearer NVPOBASE140 top and bottom holes are both aligned with each other.

1890 mm
Center to center fence post

Top of post

1908 mm

Overall height from FFL to top of post

FFL

ELEVATION
Fence System - Model 1

Top Part
M8 x 50mm
bolt and nut

Bottom Part
M8 x 50mm
bolt and nut

ISOMETRIC DETAIL
Fence System - Model 1

Install the fence post NVALPT909019 and fence post bearer NVPOBASE140 using M8 X 50mm bolt and nut on the top and bottom holes passing thru the other side of the post fence groove.
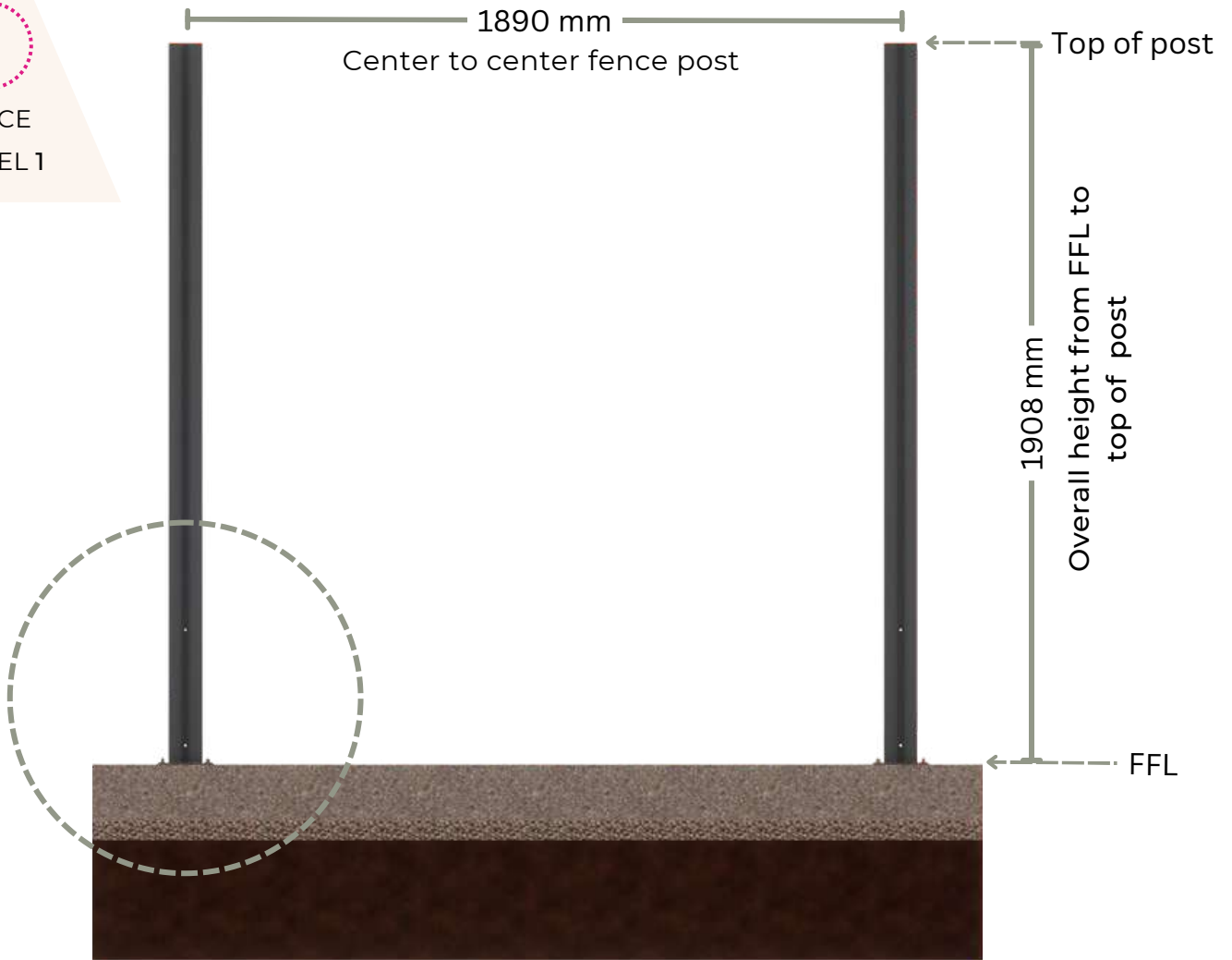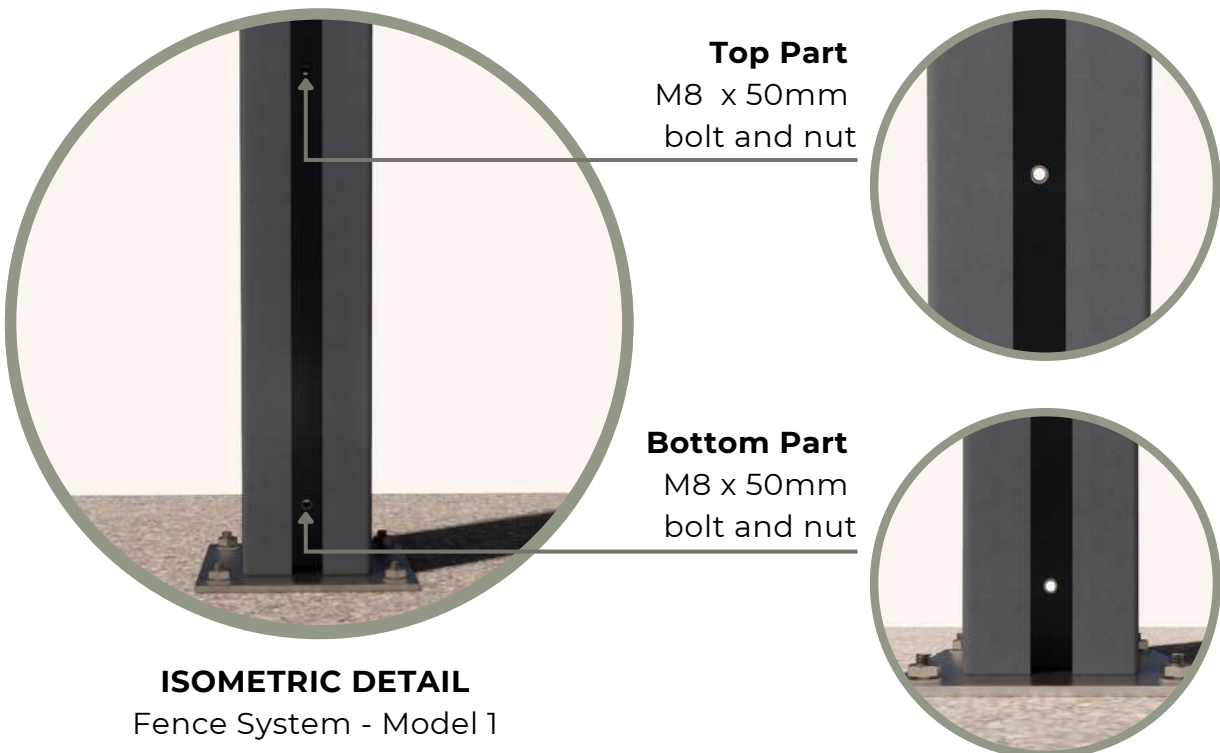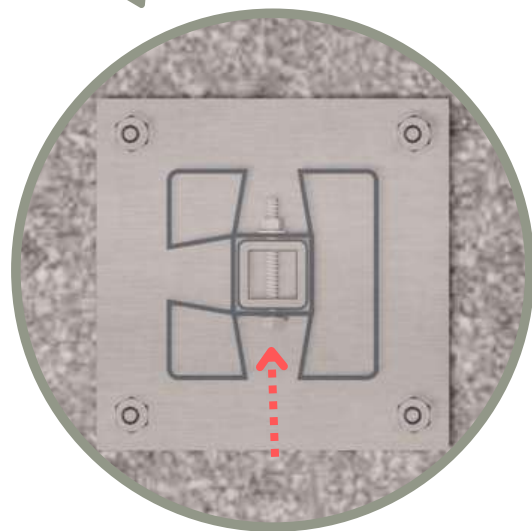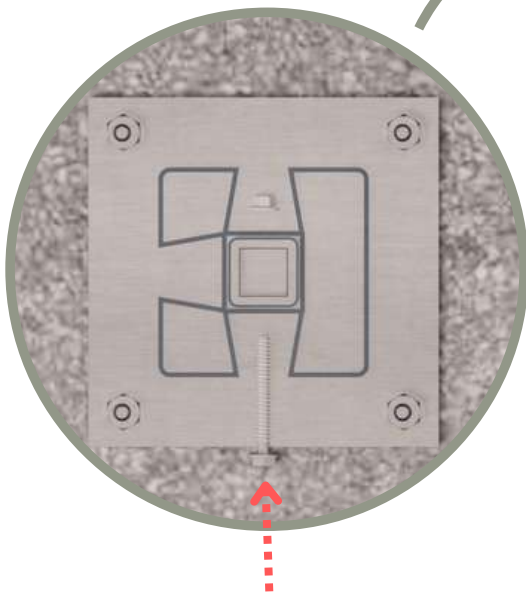

M8 x 50mm
bold and nut

NVALPT909019
Fence Post

ISOMETRIC DETAIL
Fence System - Model 1

1890 mm
Center to center fence post

1908 mm
Overall height from FFL to top of post

Top of post

FFL

ELEVATION
Fence System - Model 1

TOP VIEW - SECTION A
Fence System - Model 1

TOP VIEW - SECTION B
Fence System - Model 1

Insert the aluminum-based cover in each fence post NVALPT909019 until reaches the floor finish. This will serve as the starter fence spacer on the floor finish. This will serve also as a cover to protect the fence post bearer NVPOBASE140.

NVALB9090
Fence Base Cover

NVALPT909019
Fence Post
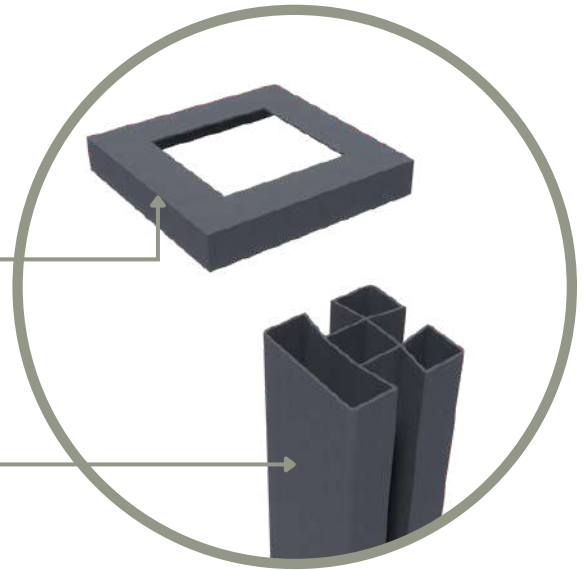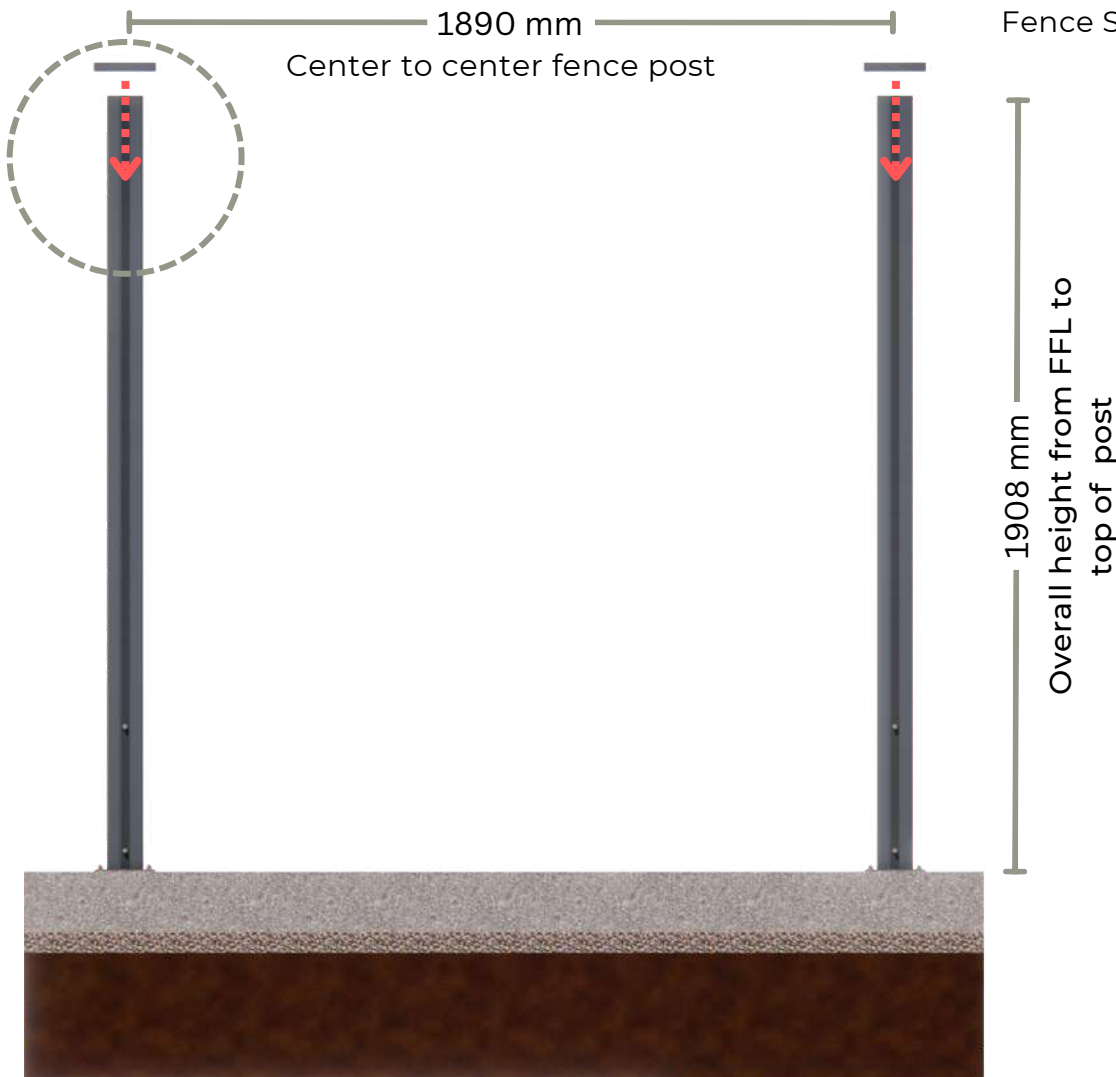
ISOMETRIC DETAIL
Fence System - Model 1

1890 mm
Center to center fence post

1908 mm

Overall height from FFL to top of post

ELEVATION
Fence System - Model 1

1890 mm
Center to center fence post

Height from top of Alum. base cover to top of fence post

1883 mm

Top of Alum. Base Cover

ELEVATION
Fence System - Model 1

M8 X 50MM
bolt and nut

NVALPT909019
Fence Post

NVALB9090
Fence Base Cover

ISOMETRIC DETAIL
Fence System - Model 1

Novano Fence Installation Guide (2023)
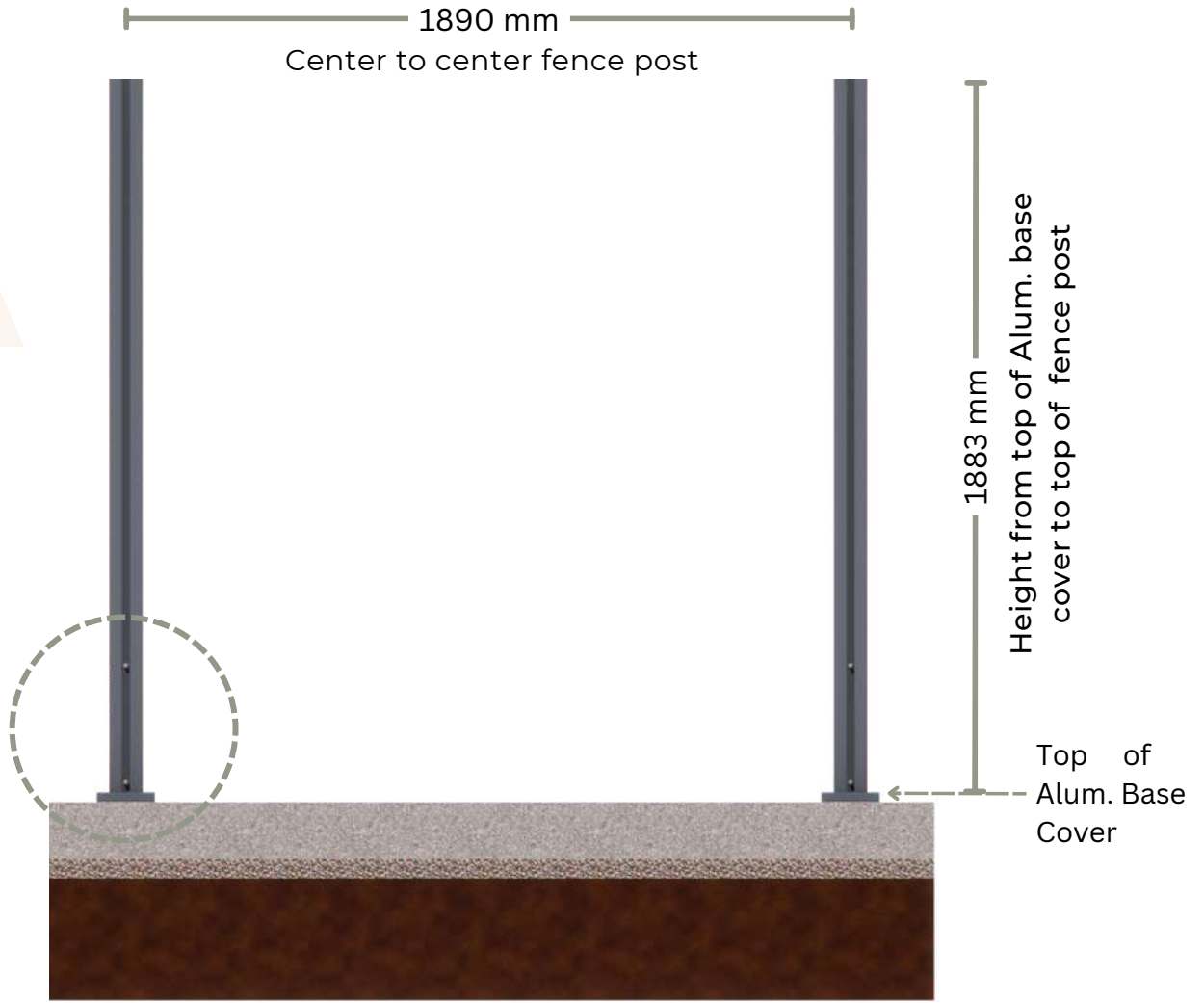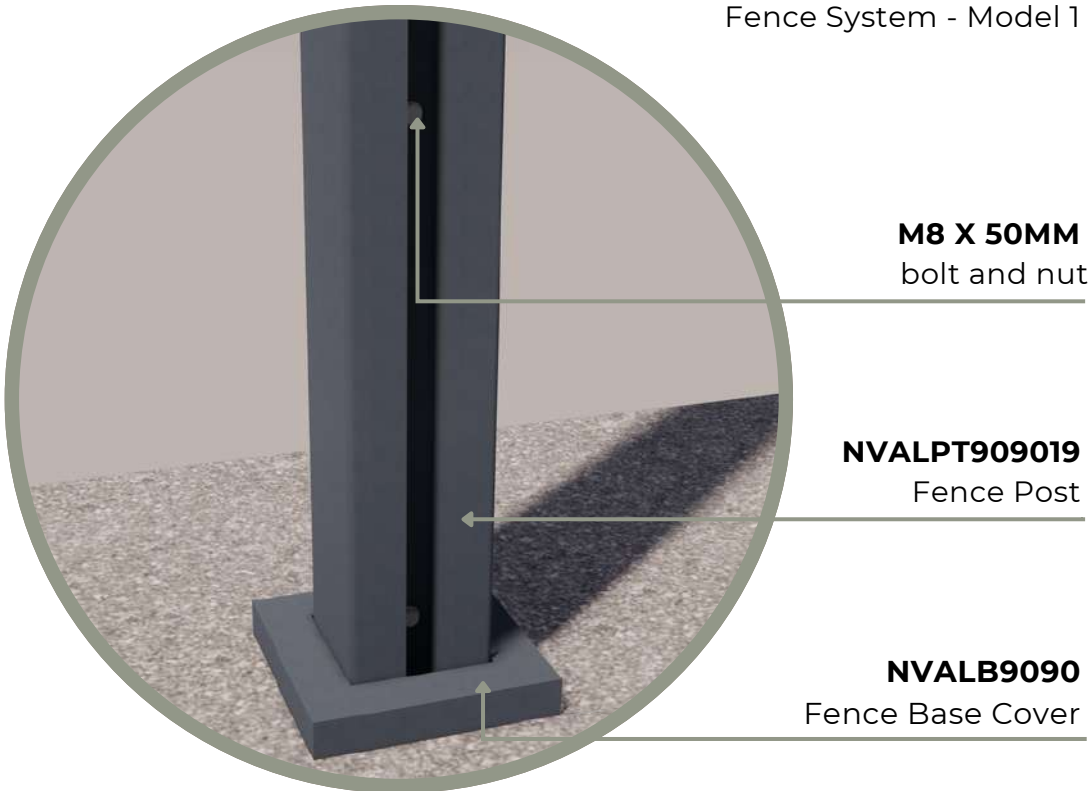
To install the fence starter NVALPST203018 slide it down inside the groove of the fence post NVALPT909019 until the aluminum base cover.

NVALPST203018
Fence Starter

NVALPT909019
Fence Post

ISOMETRIC DETAIL
Fence System - Model 1
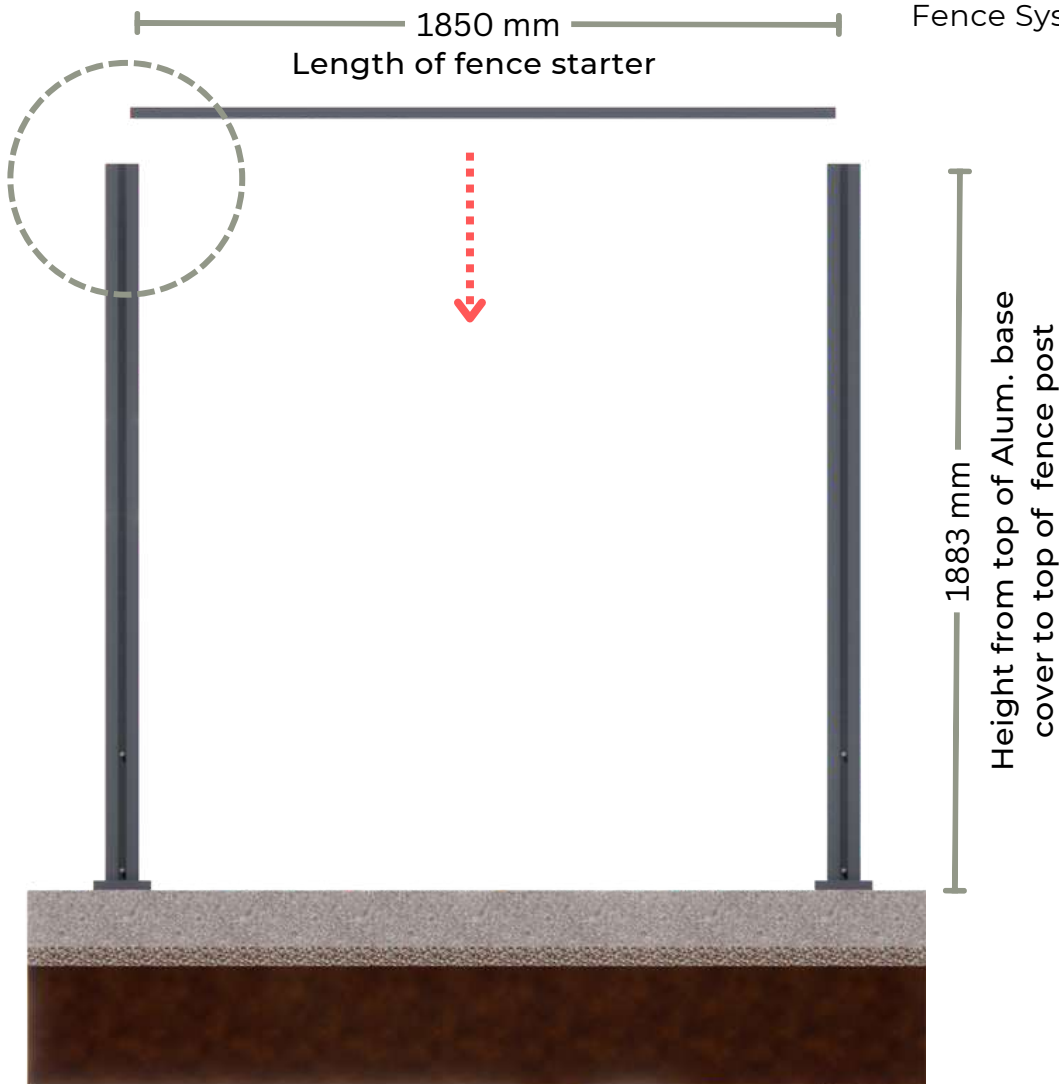
1850 mm
Length of fence starter

1883 mm

Height from top of Alum. base cover to top of fence post

ELEVATION
Fence System - Model 1

1890 mm
Center to center fence post

1883 mm

Height from top of Alum. base
cover to top of fence post
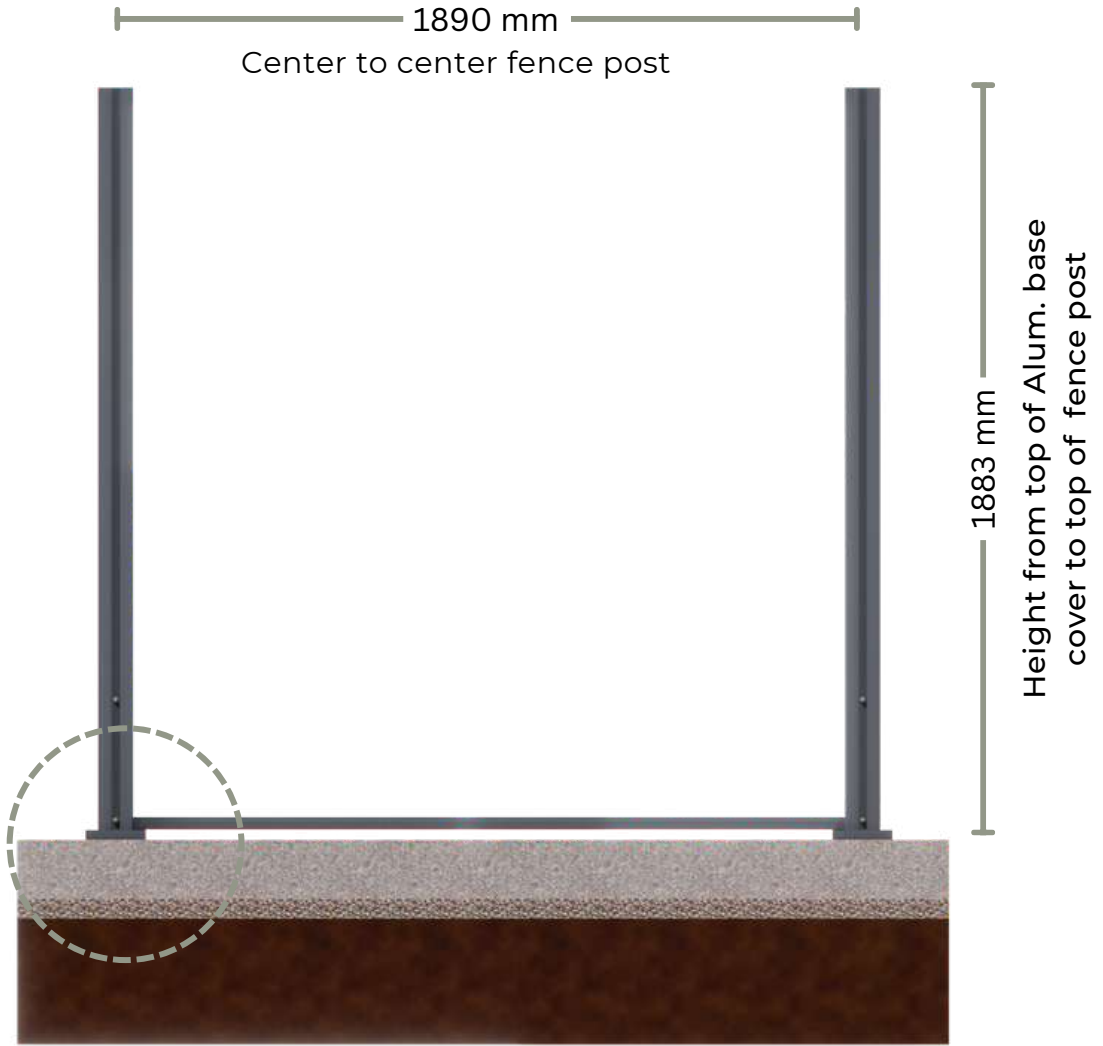
ELEVATION
Fence System - Model 1

NVALPT909019
Fence Post

NVALPST203018
Fence Starter

NVALB9090
Fence Base Cover

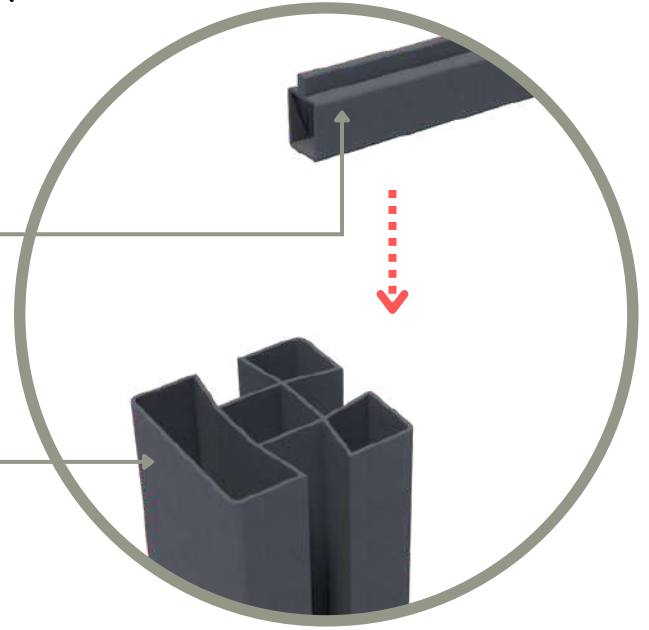**ISOMETRIC DETAIL**
Fence System - Model 1

Novano Fence Installation Guide (2023)

After the installation of the fence starter, finally, the fence base profile NVPTFP1520B18 is finally ready to be installed. Slide the fence base profile NVPTFP1520B18 into the groove of both fence posts until the fence starter.

NVPTFP1520B18
Fence Base Profile

NVALIN1520B18
Aluminum Insert

NVALPT909019
Fence Post
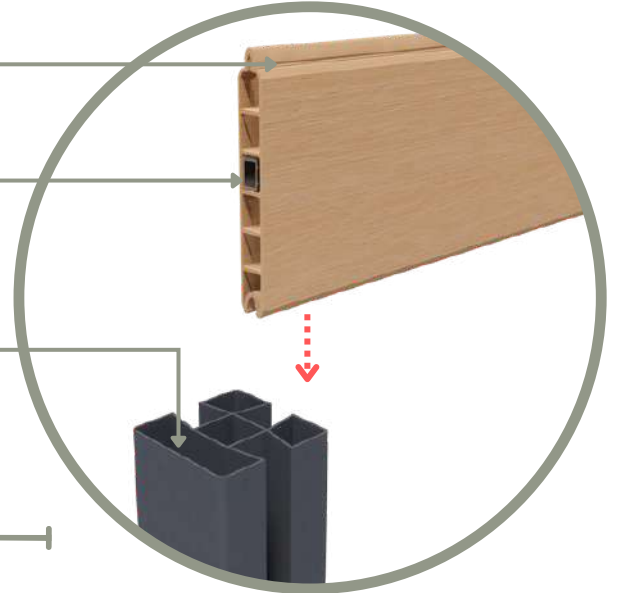
ISOMETRIC DETAIL
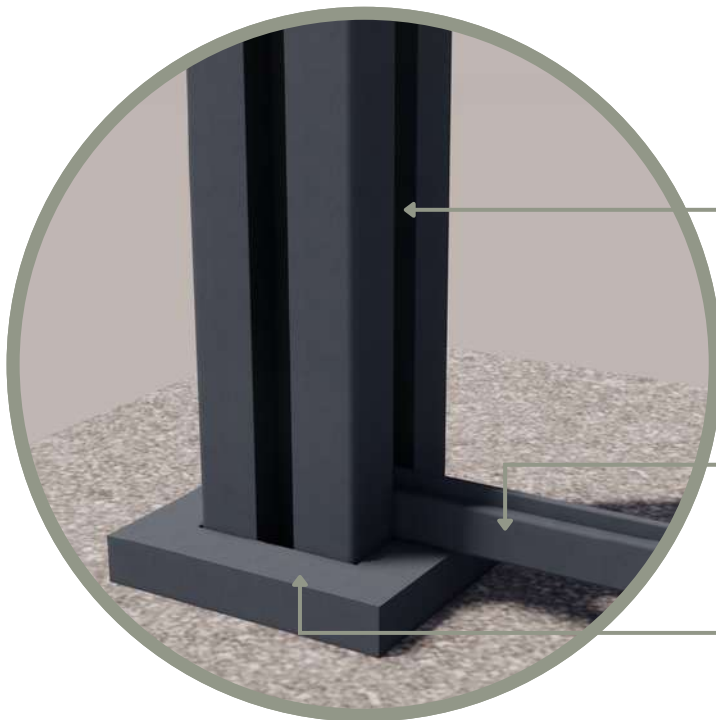Fence System - Model 1

1850 mm
Length of fence base profile
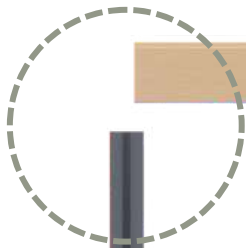
1908 mm
Overall height from FFL to top of post

SECTION
Fence System - Model 1

1890 mm
Center to center fence post

Height from top of Alum. base
cover to top of fence post

1883 mm

ELEVATION
Fence System - Model 1

NVALPT909019
Fence Post

NVPTFP1520B18
Fence Base Profile

NVALPST203018
Fence Starter

NVALB9090
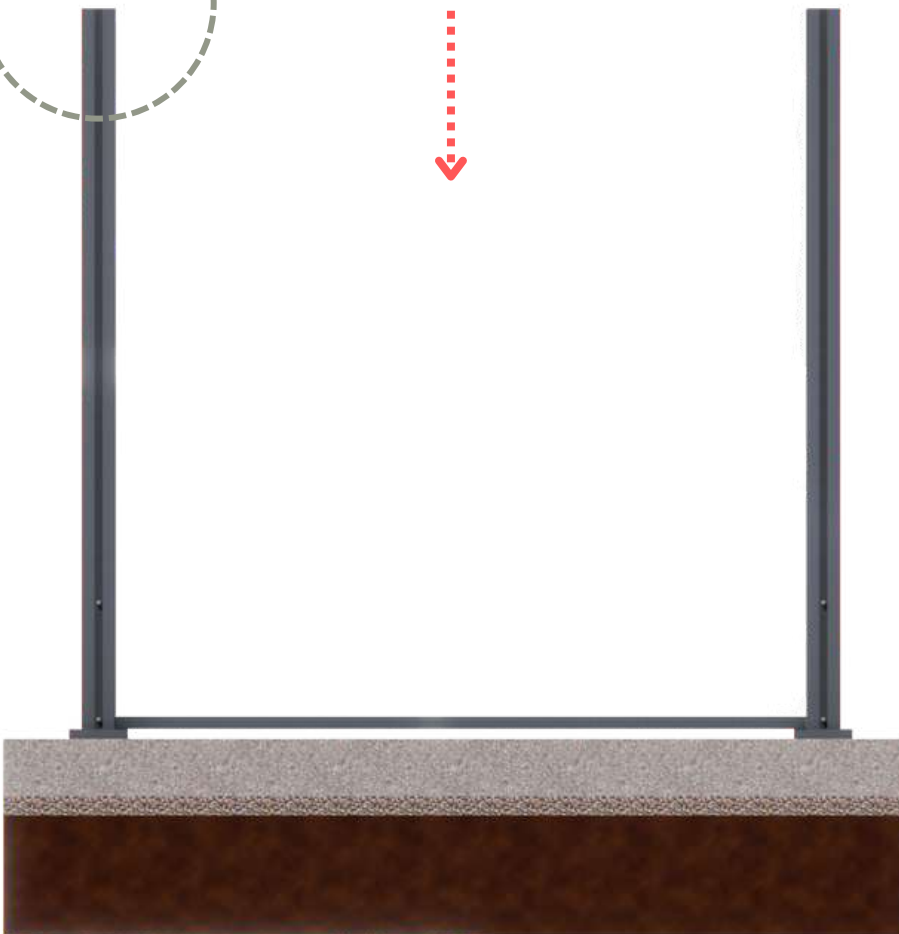Fence Base Cover

ISOMETRIC DETAIL
Fence System - Model 1

1850 mm
Length of fence base profile

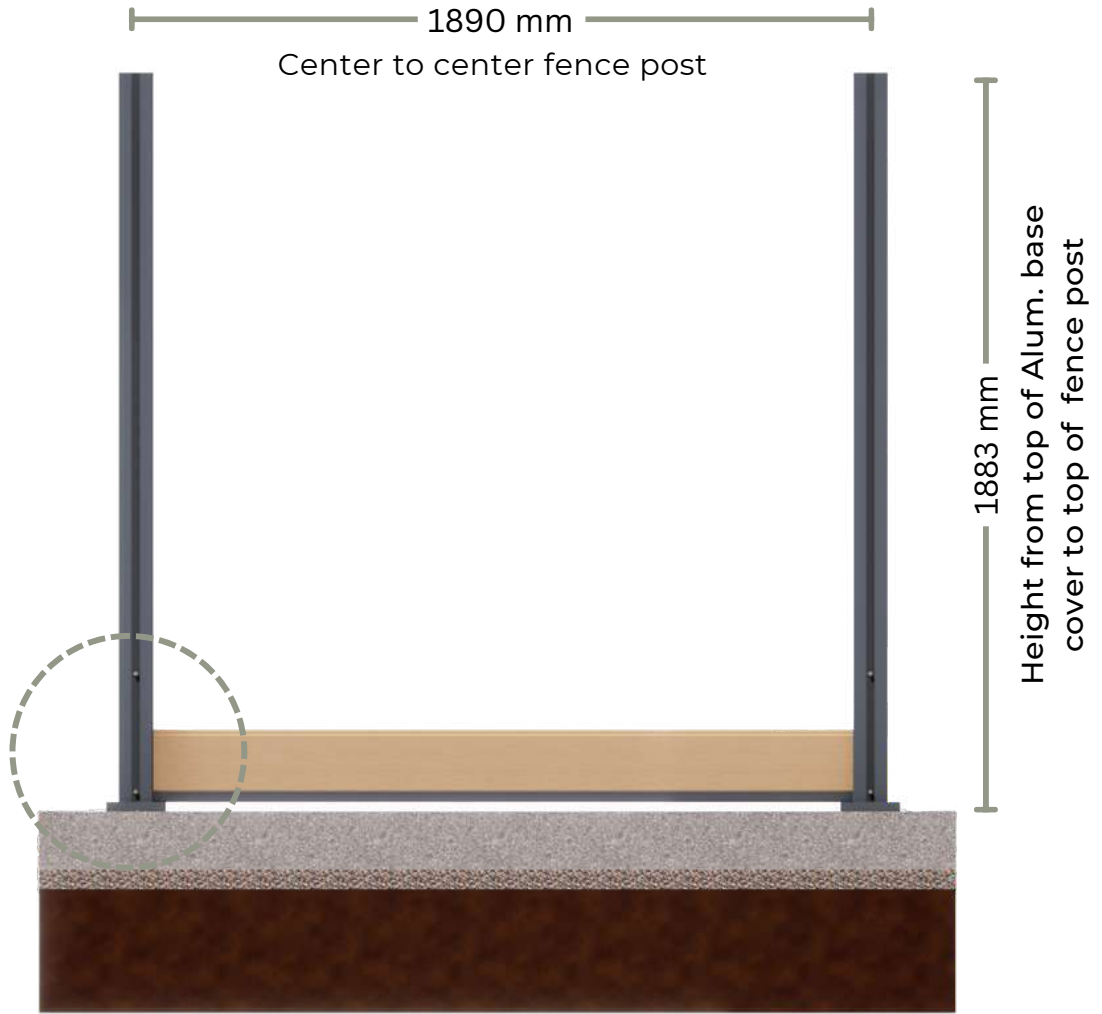1908 mm

Overall height from FFL to top of post
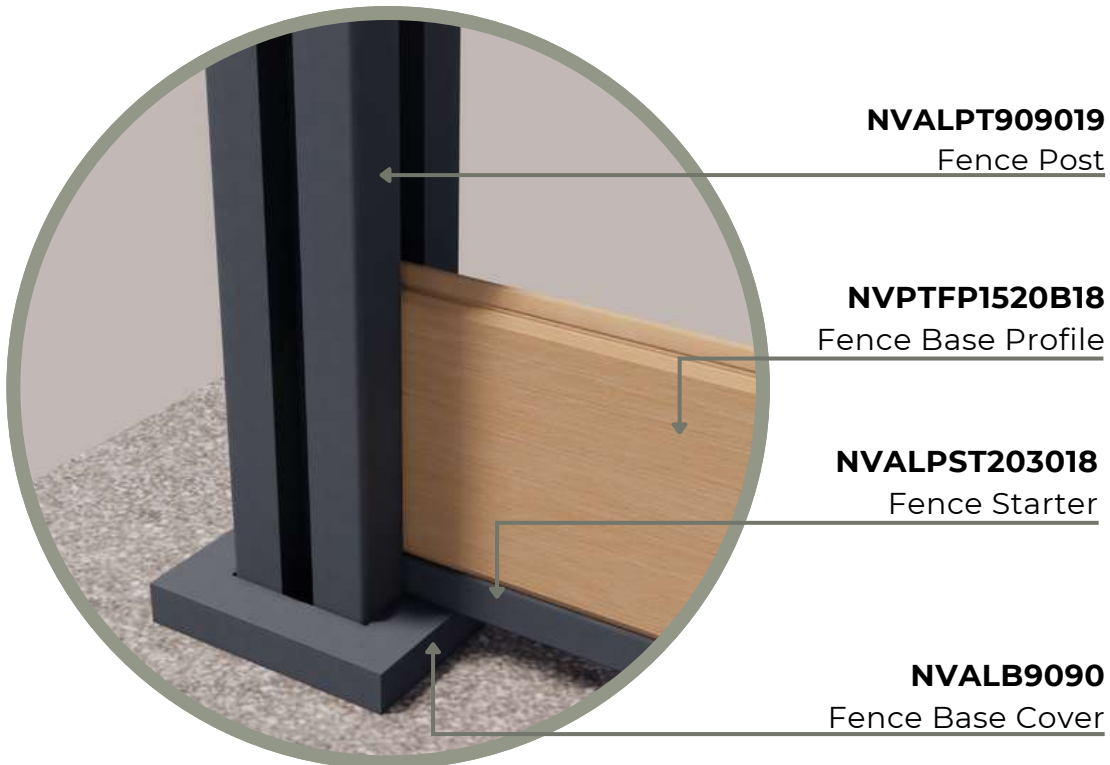
ELEVATION
Fence System - Model 1

ISOMETRIC DETAIL
Fence System - Model 1

ISOMETRIC DETAIL
Fence System - Model 1

Novano Fence Installation Guide (2023)

1890 mm
Center to center fence post

Height from top of Alum. base cover to top of fence post
1883 mm
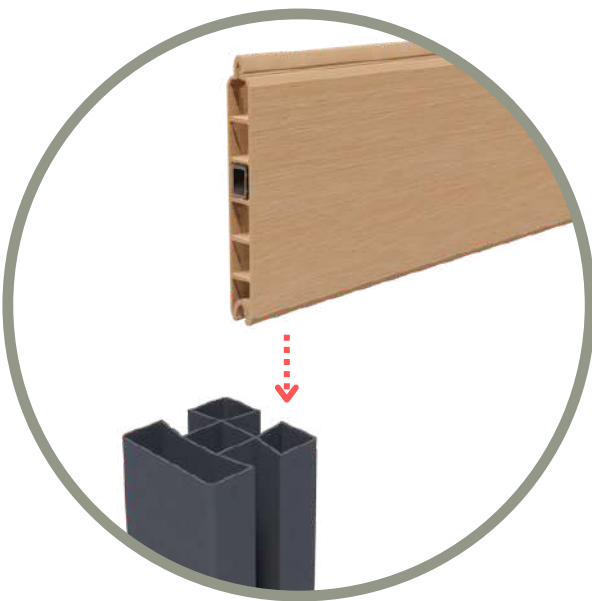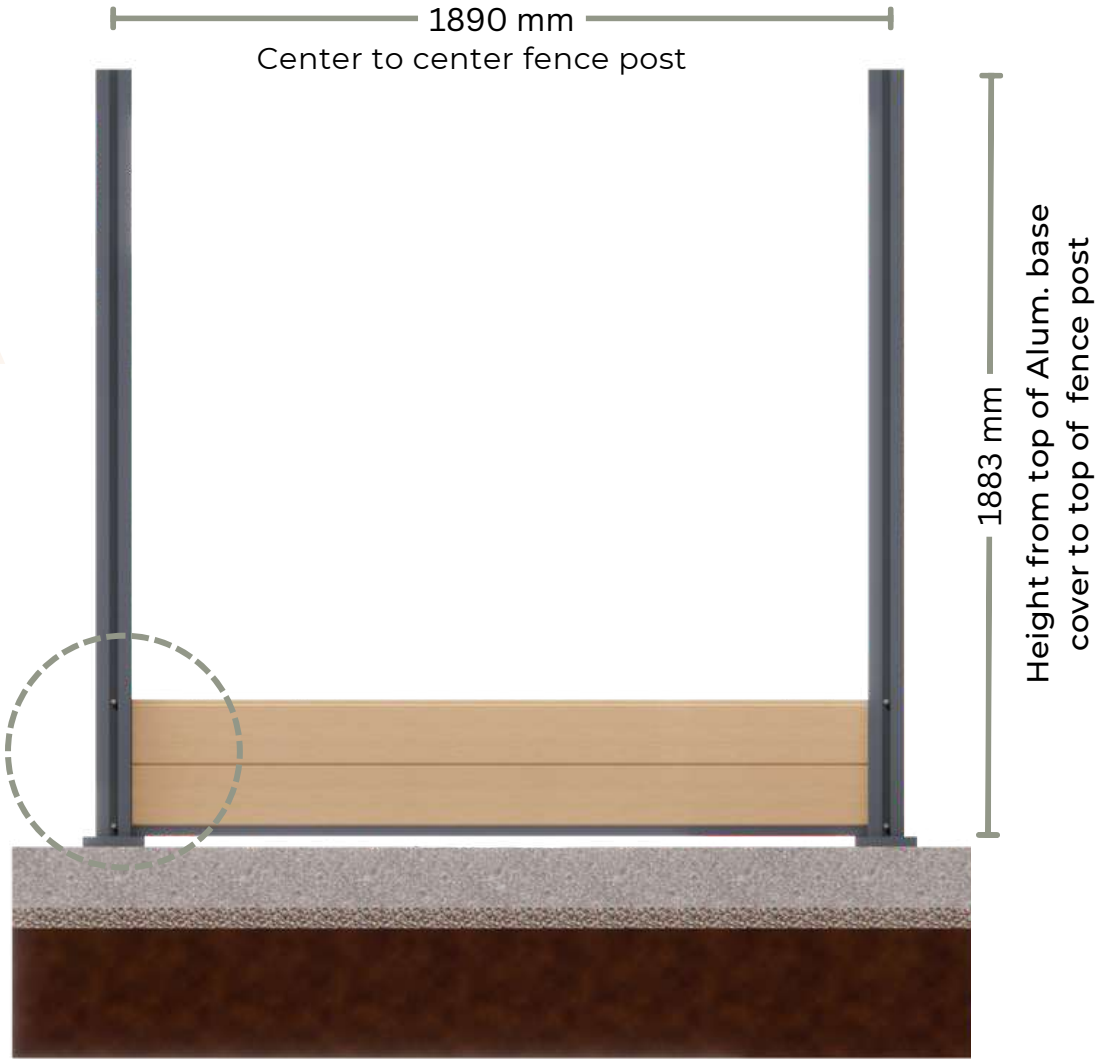
ELEVATION
Fence System - Model 1
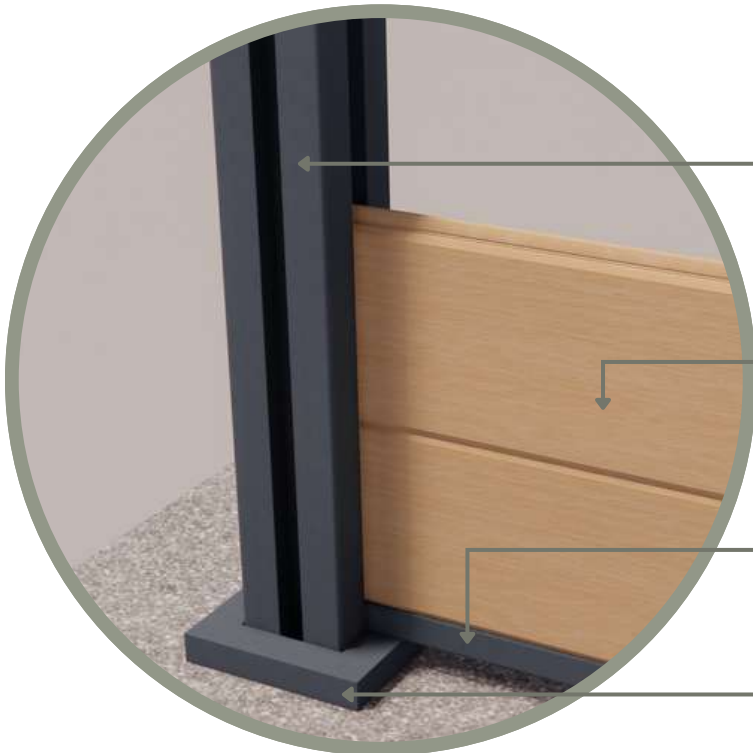
NVALPT909019
Fence Post

NVPTFP1520B18
Fence Base Profile

NVALPST203018
Fence Starter

NVALB9090
Fence Base Cover

ISOMETRIC DETAIL
Fence System - Model 1

Continue, the installation of the fence base profile NVPTFP1520B18 by following step 6 until reach the last top board.
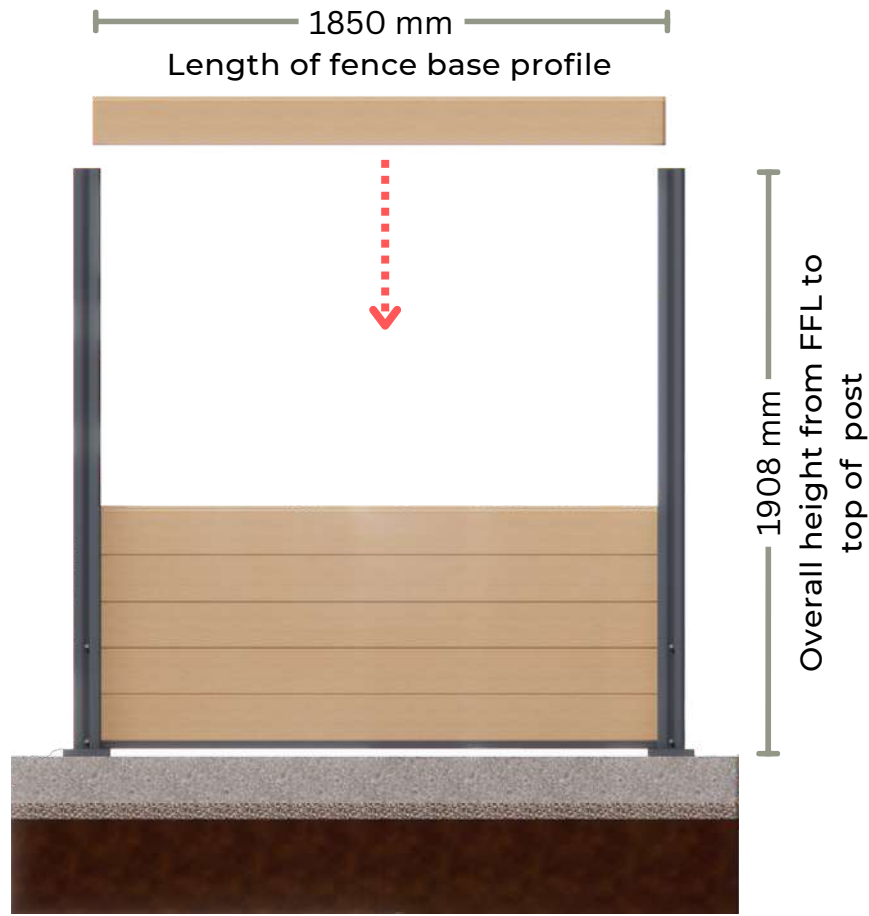
1850 mm
Length of fence base profile

1908 mm
Overall height from FFL to top of post

ELEVATION
Fence System - Model 1

ISOMETRIC VIEW
Fence System - Model 1

For the last board, insert fence top profile NVPTFP1672018T into the groove.

1850 mm
Length of fence top profile

1908 mm
Overall height from FFL to top of post
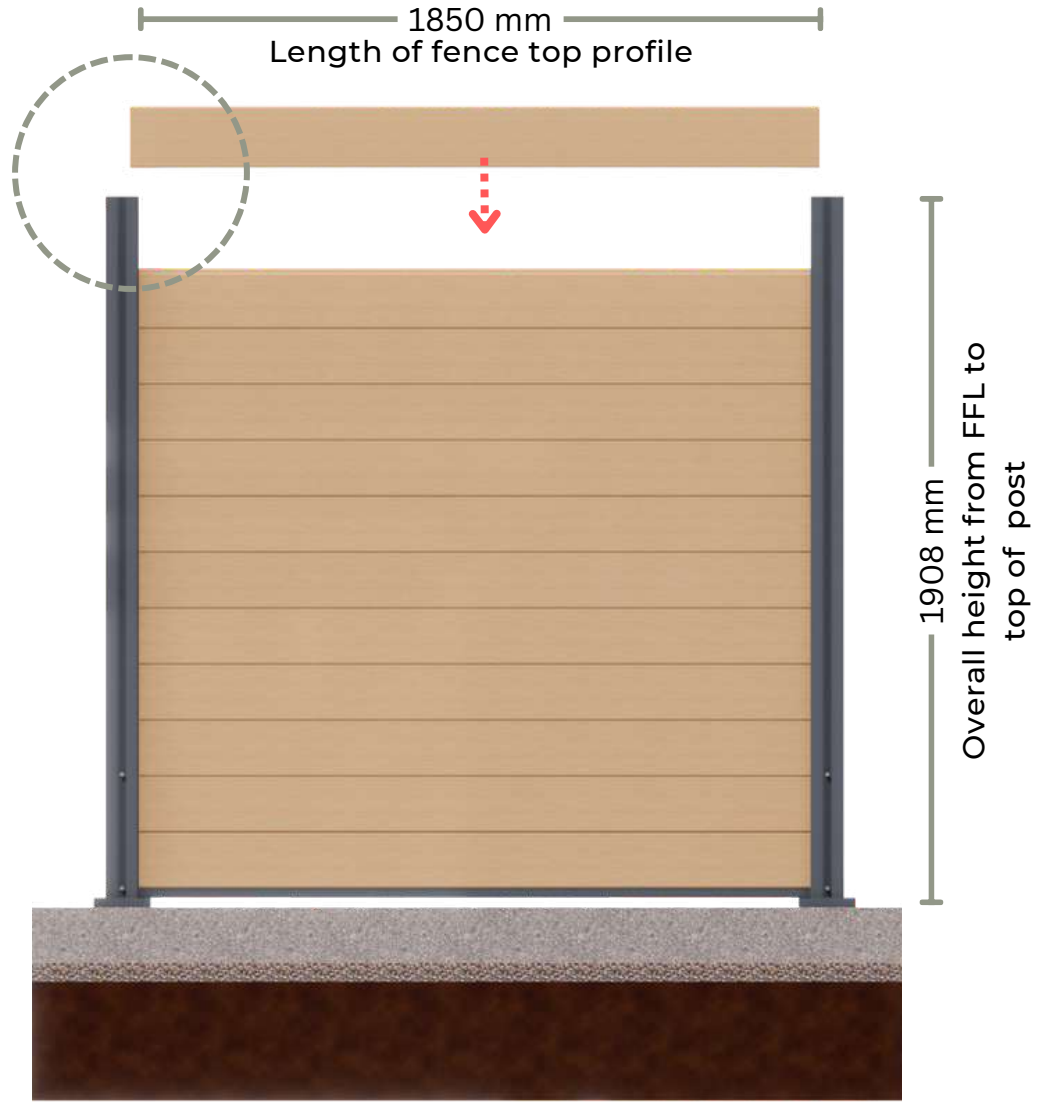
ELEVATION
Fence System - Model 1

NVALIN1672018
Aluminum Inserts

NVPTFP1672018T
Fence Top Profile

NVALPT909019
Fence Post

ISOMETRIC DETAIL
Fence System - Model 1

After installing the fence top profile, slide down the fence cover post on both sides of the fence post groove.

TOP VIEW - SECTION A
Fence System - Model 1

TOP VIEW - SECTION B
Fence System - Model 1

ISOMETRIC DETAIL A
Fence System - Model 1

ISOMETRIC DETAIL B
Fence System - Model 1

1890 mm
Center to center fence post

Overall height from FFL to top of post

1908 mm
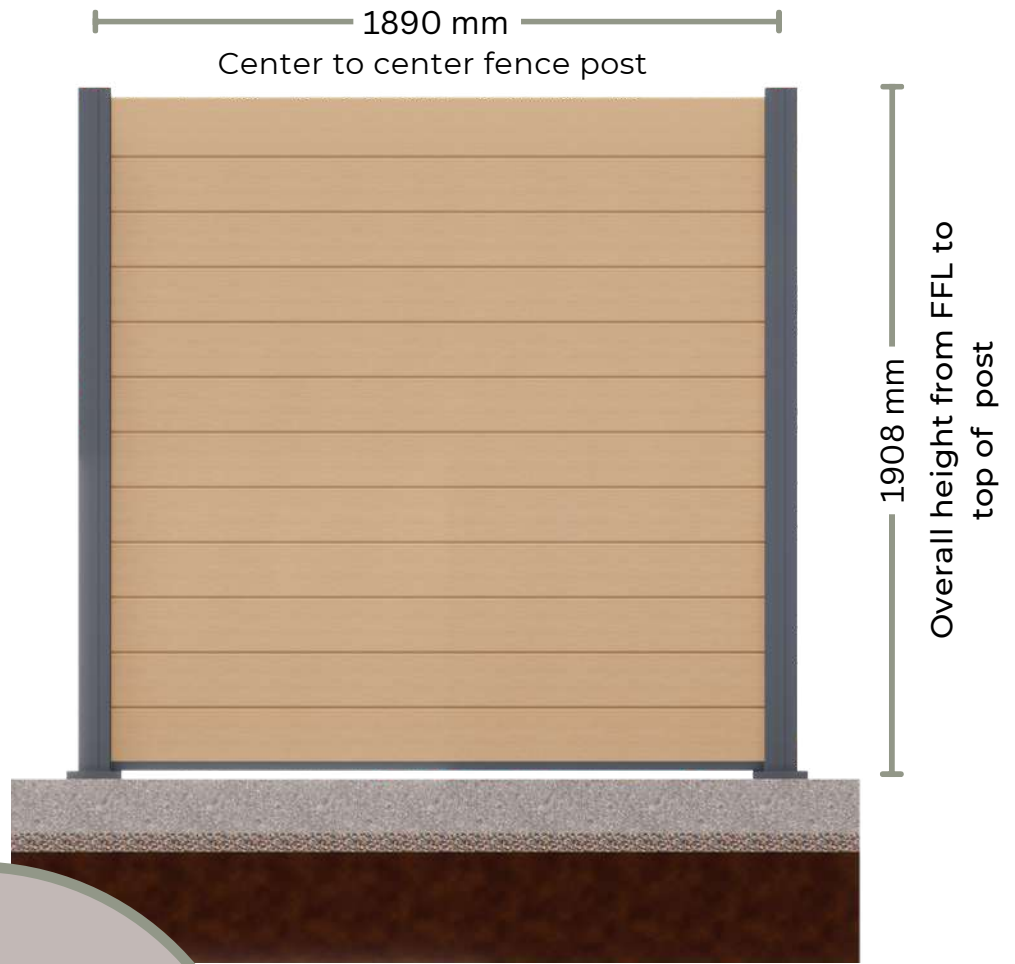
ELEVATION
Fence System - Model 1

NVALPT909019
Fence Post

NVALPCU202019
Fence Post Cover

NVPTFP1672018T
Fence Top Profile

NVPTFP1520B18
Fence Base Profile

ISOMETRIC DETAIL
Fence System - Model 1

ISOMETRIC VIEW
Fence System - Model 1

Finally, Install the fence tap cap ALTC90 on both fence posts ALPT9090 by using an M5 self-drilling screw screwing on both sides.

NVPTFP1672018T
Fence Top Profile

NVALT9090
Fence Tap Cap

M5 Self-tapping
Screw

NVALPT909019
Fence Post

NVALPCU202019
Fence Post Cover

NVPTFP1520B18
Fence Base Profile
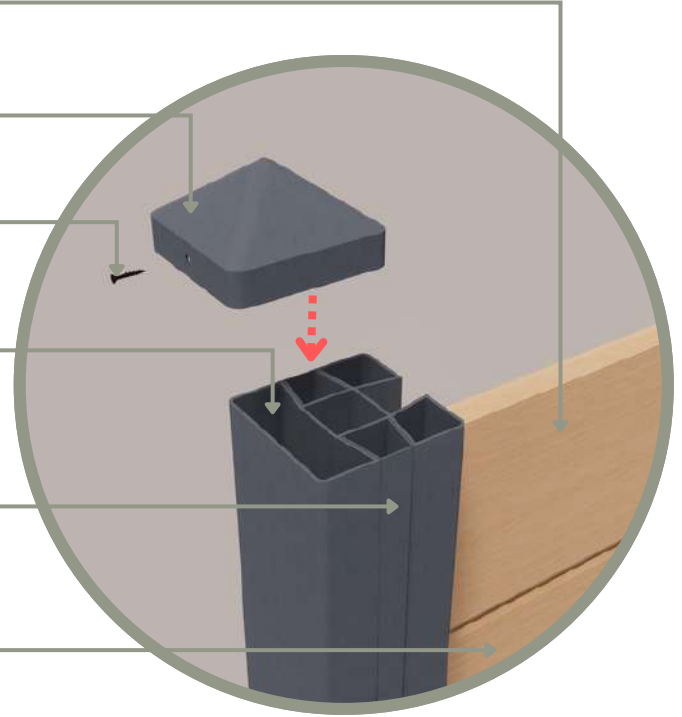
ISOMETRIC DETAIL
Fence System - Model 1
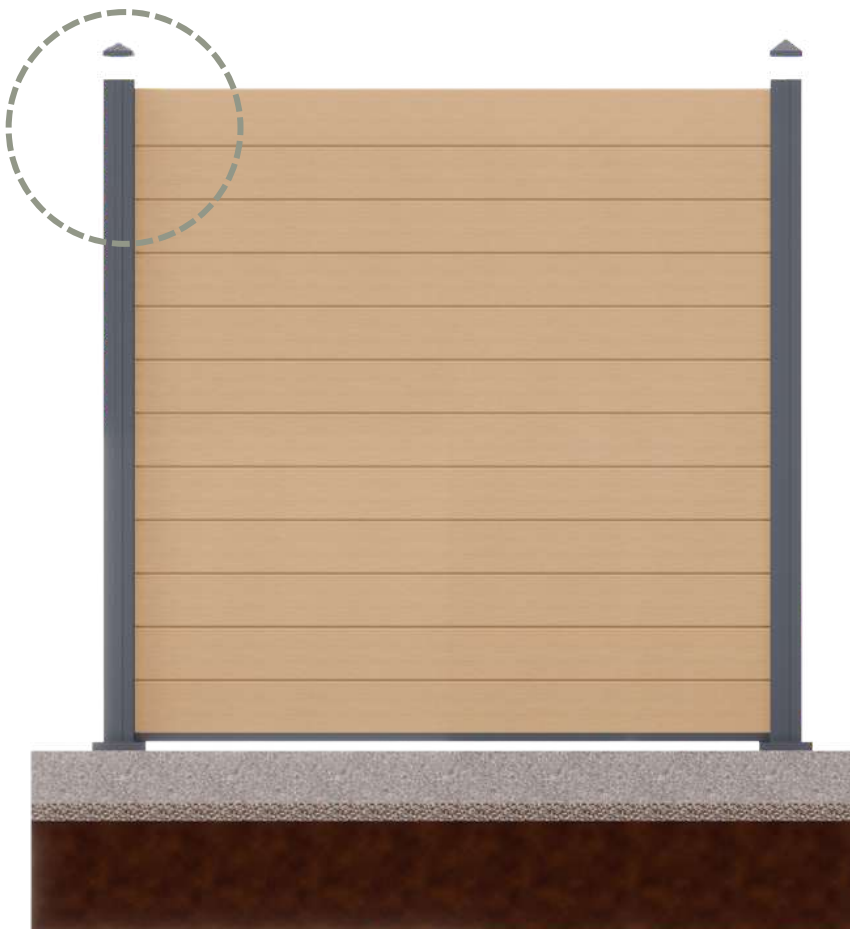
ELEVATION
Fence System - Model 1

12

FENCE

MODEL 1

1890 mm
Center to center fence post

Top of
Fence Top Cap

1926 mm
Overall height

FFL
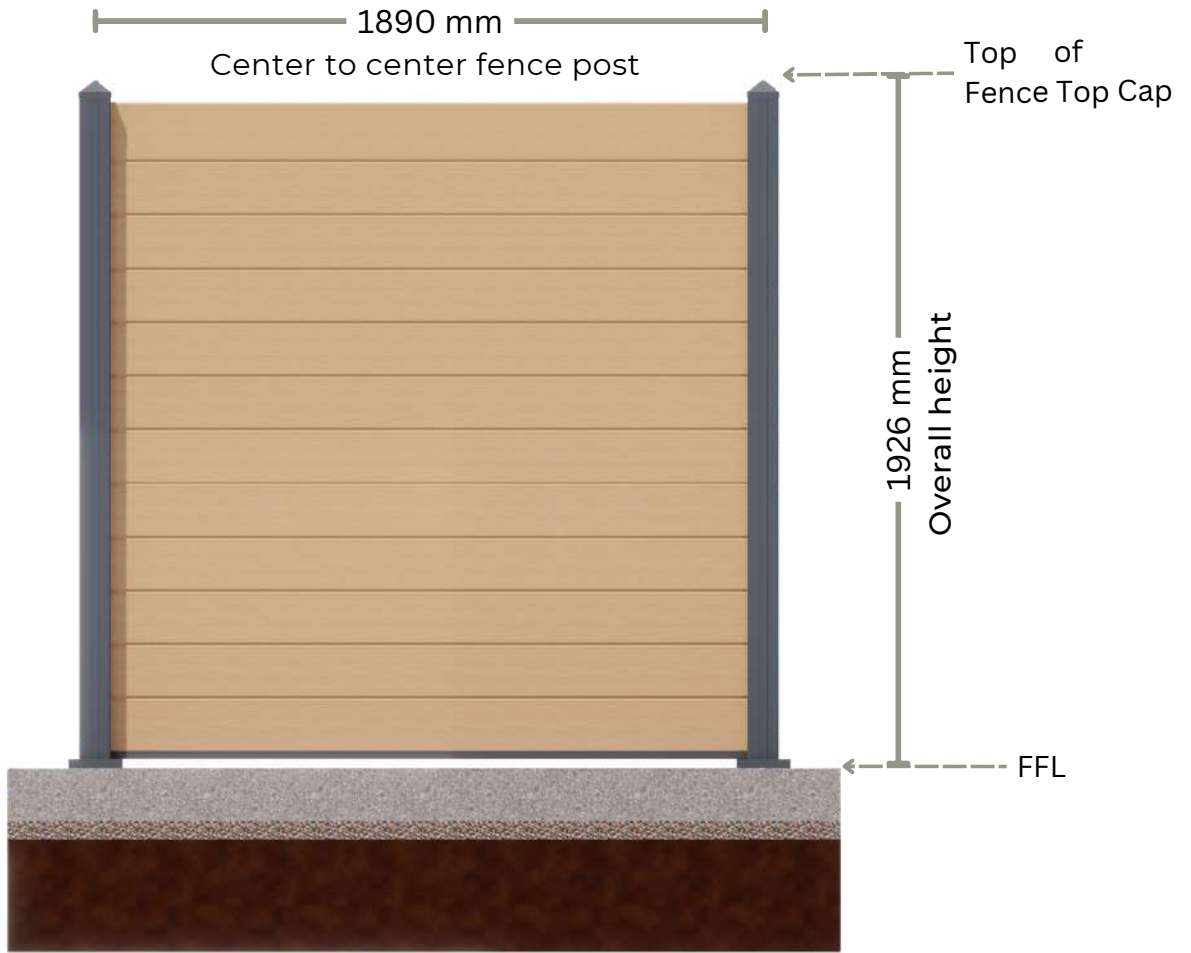
ELEVATION
Fence System - Model 1

M5 Self-tapping Screw

NVALT9090
Fence Tap Cap

NVALPT909019
Fence Post

NVPTFP1672018T
Fence Top Profile
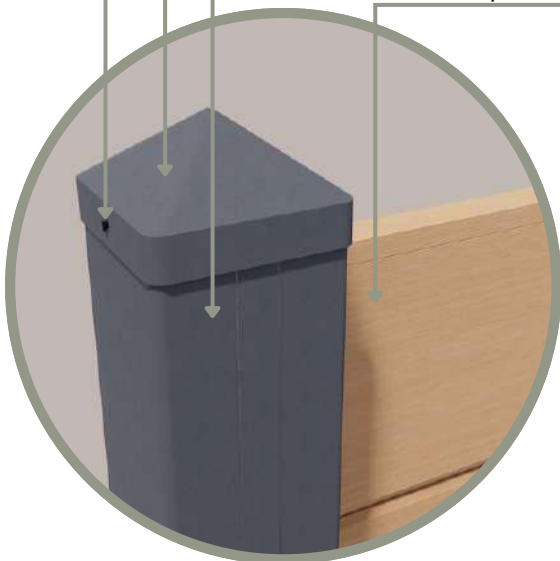
ISOMETRIC DETAIL
Fence System - Model 1

ISOMETRIC VIEW
Fence System - Model 1

NVALIN1672018
Aluminum Insert

NVPTFP1672018T
Fence Top Profile

ISOMETRIC DETAIL A
Fence System - Model 1

167 mm

ELEVATION
Fence System - Model 1

162 mm
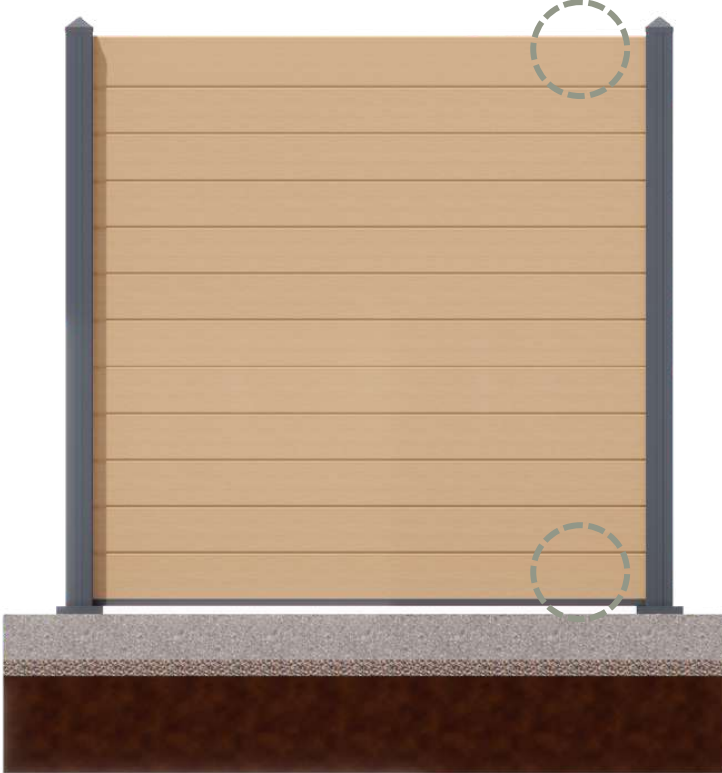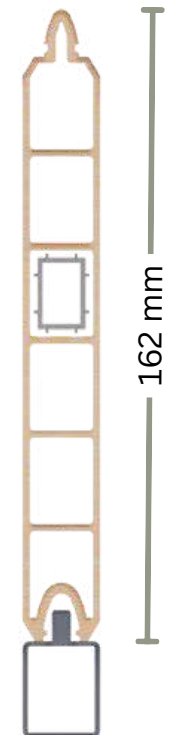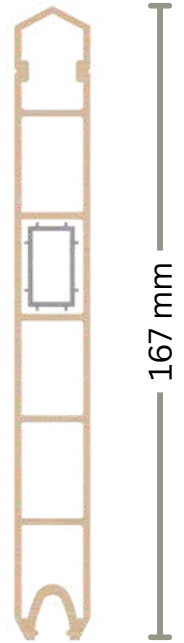
NVALIN1520B18
Aluminum Insert

NVPTFP1520B18
Fence Base Profile

NVALPST203018
Fence Starter

ISOMETRIC DETAIL B
Fence System - Model 1

FENCE CONNECTION DETAILS
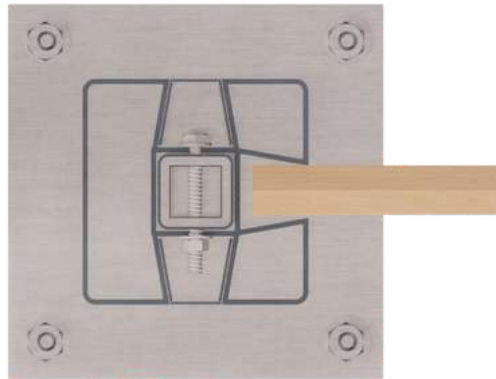
TOP VIEW
End Detail

ISOMETRIC VIEW
End Detail
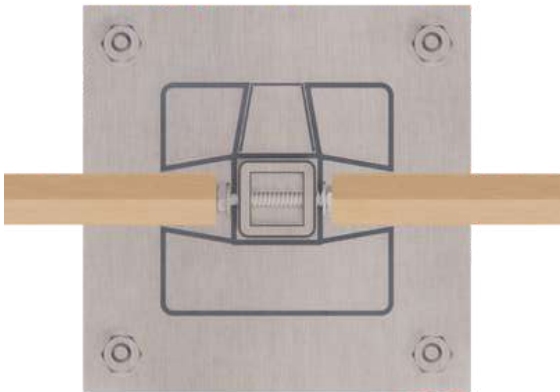
TOP VIEW
Linear Detail

ISOMETRIC VIEW
Linear Detail
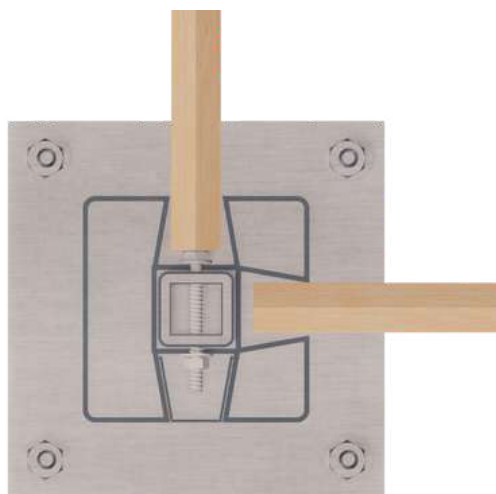
TOP VIEW
Corner Detail

ISOMETRIC VIEW
Corner Detail

MODEL 1
ON SLOPE SURFACE

Having a gradual slope to contend with, using a stepped fence method. The stepped fence will allow one to follow the grade and maintain a relatively consistent gap at the bottom of the fence. With this type, each panel of the fence between posts is set higher or lower than the panel next to it, following the slope of the land. Using the available fence post NVALPT909019 length of 1900mm.
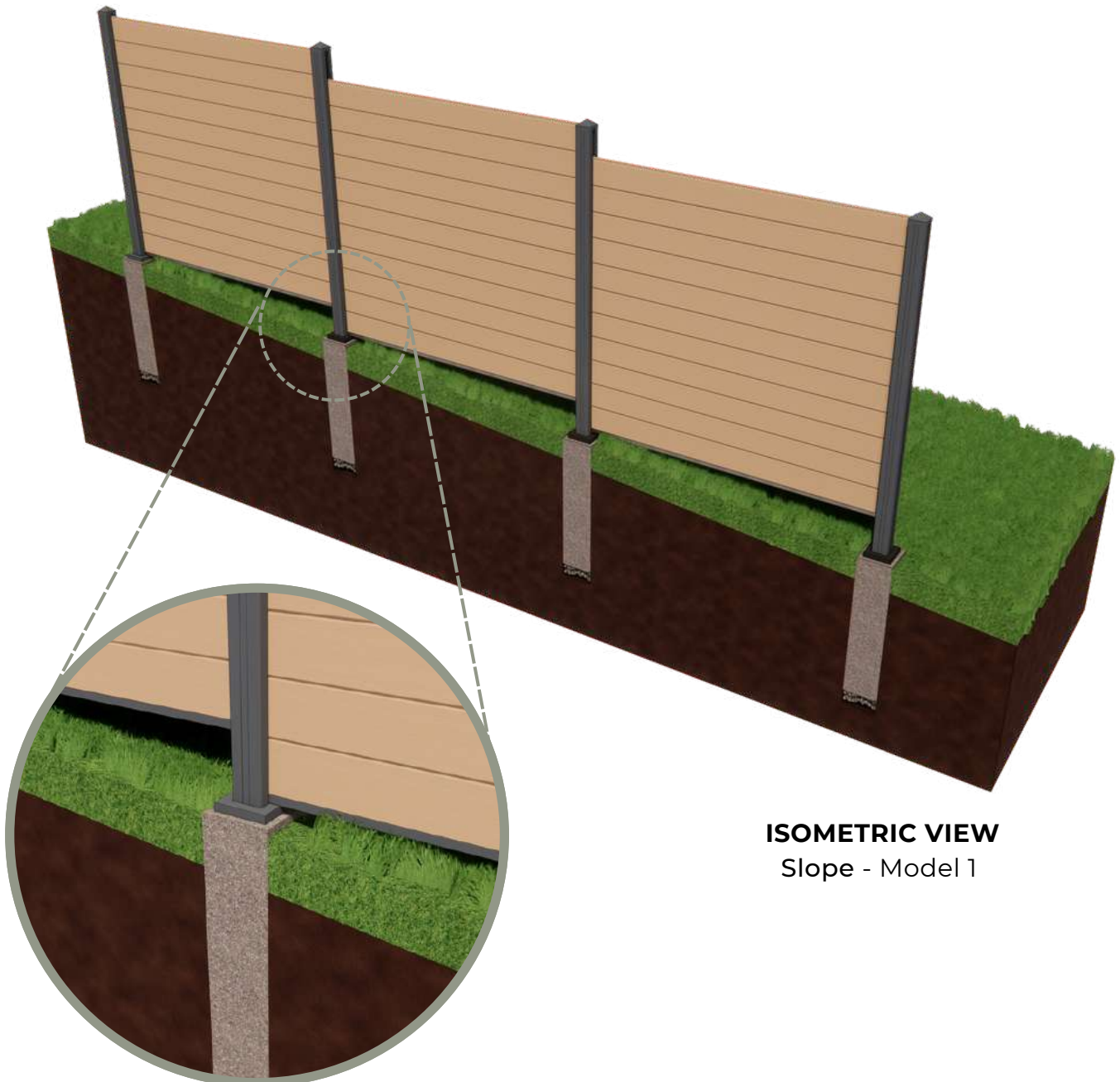
ISOMETRIC VIEW
Slope - Model 1

ISOMETRIC DETAIL
Slope - Model 1

3

FENCE
MODEL 1

NVALT9090
Fence Tap Cap

NVPTFP1672018T
Fence Top Profile

NVALPT909019
Fence Post

Height
depends
on existing
slope
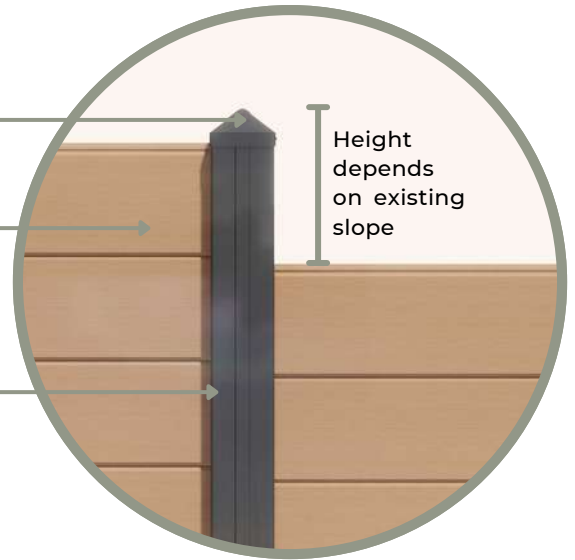
ISOMETRIC DETAIL B
Slope - Model 1

Detail B

Depends on Actual

1890 mm

Detail A

1926 mm

1926 mm

ELEVATION
Fence System - Model 1
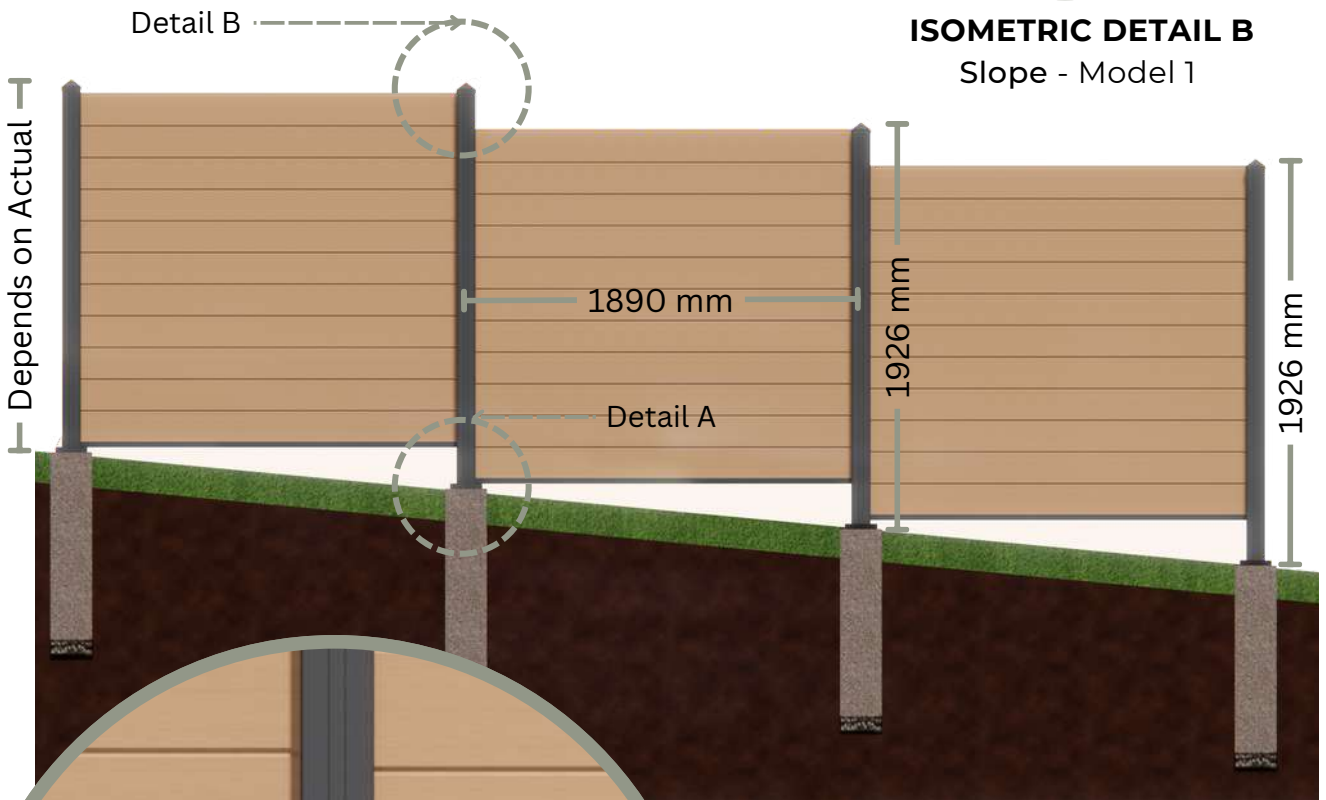
Height
depends on
existing
slope

NVALB9090
Fence Base Cover
setting the height

Concrete base

ISOMETRIC DETAIL A
Slope - Model 1

COLOR CONCEPT

Whether it be classic or modern - with the protection glaze especially adapted to Novano surface, you can protect Novano and keep it clean from water, tear and safeguard it against environmental influences.

With selected color shades you can easily and quickly create the surface finish of your desire and re-teat it whenever you want. The water-based formulation is completely odorless and has ultra-quick drying properties. Owing to its simple and smooth application, your surfaces can easily be given a new lease of life.

COLOR COAT SYSTEM

Choose from 6 Beautiful Standard Stain Colors

C08, Burma	C14, Siam	C23, Aged Teak	C24, Java	C42, Cape Cod	C51, Walnut

Resysta Color Concept-Special Colors

C02, Pale Golden	C09, Dark Burma	C15, Dark Siam	C26, Rust	C28, Light Taupe	C29, Dark Taupe

C45, Mustard Green	C46, Sage	C47, Green/Blue	C49, Lavender	C52, Terra Cotta	C53, Dark Grey

C64, Mahogany	C71, Palisander	C73, Yellow Teak	C77, Concrete Grey	C3001, Bright Red	C3011, Red

C5010, Blue	C60062, Apple Green	C6005, Moss Green	C7016, Anthracite	C9005, Black	C9010, White

SAFETY WARNINGS

Novano Products do not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sawing, sanding, or machining which result in the generation of airborne particulate. This product contains crystalline silica. Respirable crystalline silica limits are specified by OSHA. Exposure to respirable (fine) silica dust depends on a variety of factors, including activity rate (e.g. cutting rate), method of handling, ventilation, environmental conditions (e.g. weather conditions, workstation orientation), and engineering control measures used. Exposures to respirable crystalline silica above limits established by OSHA are not expected during the normal use of this product. Crystalline silica, has been shown to cause silicosis and has been identified by the State of California, IARC, and NTP as a known human carcinogen. The risk of developing silicosis is dependent upon the exposure intensity and duration. It is recommended that a NIOSH-approved particulate respirator be worn whenever working with this product results in airborne dust exposure.

To view a complete list of products, please refer to our Novano brochure or visit our website www.novano-resysta.de