



FENCING
ALUMINIUM

Accessible luxury

Browse this catalogue
showing all available models.



“we recommend
the top metal-workers”

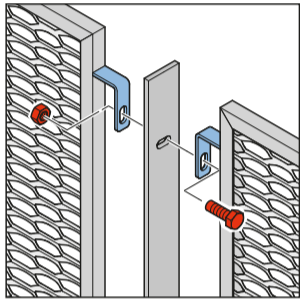
FILS EXPANDED METAL FENCING

ALUMINIUM SERIES

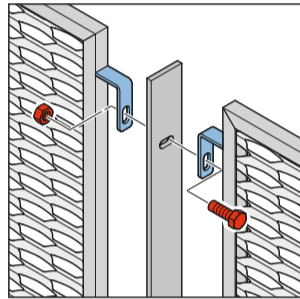
Accessible luxury

MODELS AVAILABLE

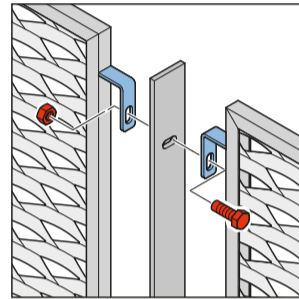
MESH
FILS 21
t 20 mm



MESH
ESPERIA
t 20 mm



MESH
AMBASCIATA
t 20 mm



MESH
LUNA400
t 20 mm



MESH
LUNA400/1
t 20 mm

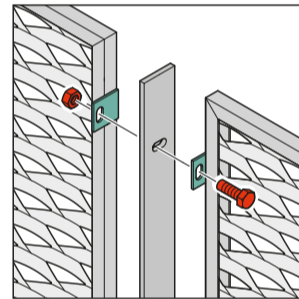
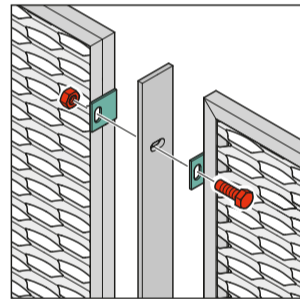
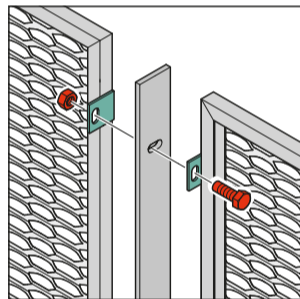


SYSTEM
BASE

PAGE 10

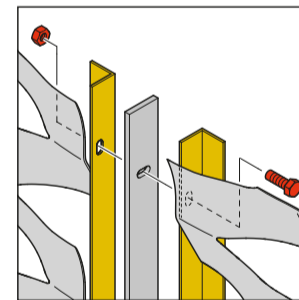
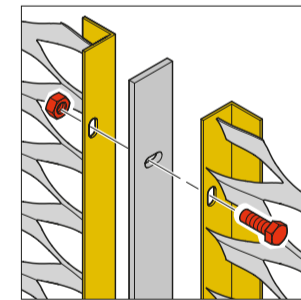
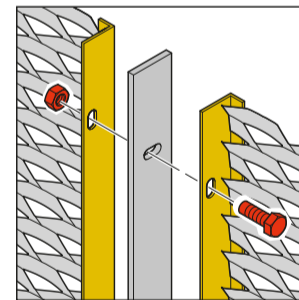
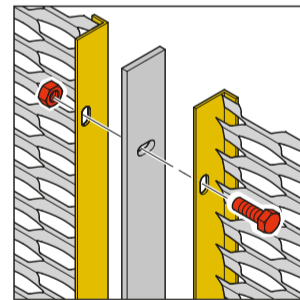
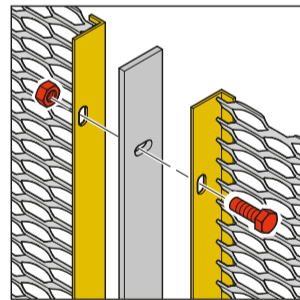
SYSTEM
COMPATTO

PAGE 18



SYSTEM
RAPIDO

PAGE 26



TECHNICAL
SHEETS

PAGE 41





Aluminium is a material for the future

It is easy to transform thanks to its workability.
It is a joy to assemble as it is so light.
It withstands stress and protects both indoor and outdoor spaces.
It is corrosion resistant and long-lasting.
The expansion process produces 0% waste.
It is recyclable.

The success of aluminium in the building and construction industry

When used for fencing and other architectural applications, aluminium offers so many advantages:

- for designers ☒ versatility in terms of form and a full range of metallic and non metallic colours;
- for users ☒ easy upkeep, long life and a good price/performance ratio;
- for installers ☒ quick assembly, customised pricing and modularity.


SOLUTIONS



PRODUCTS



SERVICES



the facts and figures for such a prized solution

SOLUTIONS

- There are **3 fixing systems** :
BASE, COMPATTO and RAPIDO, to suit specific design needs.
- Screen options available to guarantee maximum privacy.
- **Super long-lasting** with coating fit for outdoor use.
- **Safety** guaranteed thanks to their excellent weight/mechanical strength ratio.

PRODUCTS

- **Lightweight.** The specific weight of aluminium is 2.70 kg/dm^3 , which is roughly a third of the weight of carbon steel.
- We offer **5 models** with different meshes to cater for all needs.
FILS21, ESPERIA, AMBASCIAATA, the “classic” Fils solutions. LUNA 400 and LUNA 400/1, the new meshes for impactful aesthetics.
- The three-dimensional nature of expanded metal mesh makes these truly exclusive.



SERVICES

- **Affordable price** if compared to luxury solutions.
- **Time saving**, as they are easy to assemble, provided with posts and fixing bolts.
- Available in **8 basic colours**, with the option of customisation for a wider choice of colour.
- Eco-compatible and **100%** recyclable.
- **Tailored solutions possible**
 - to finish off corners
 - to flank gates



BASE System

The bracket fixing system creates attractive slits, allowing light to pass between the fenced off areas.

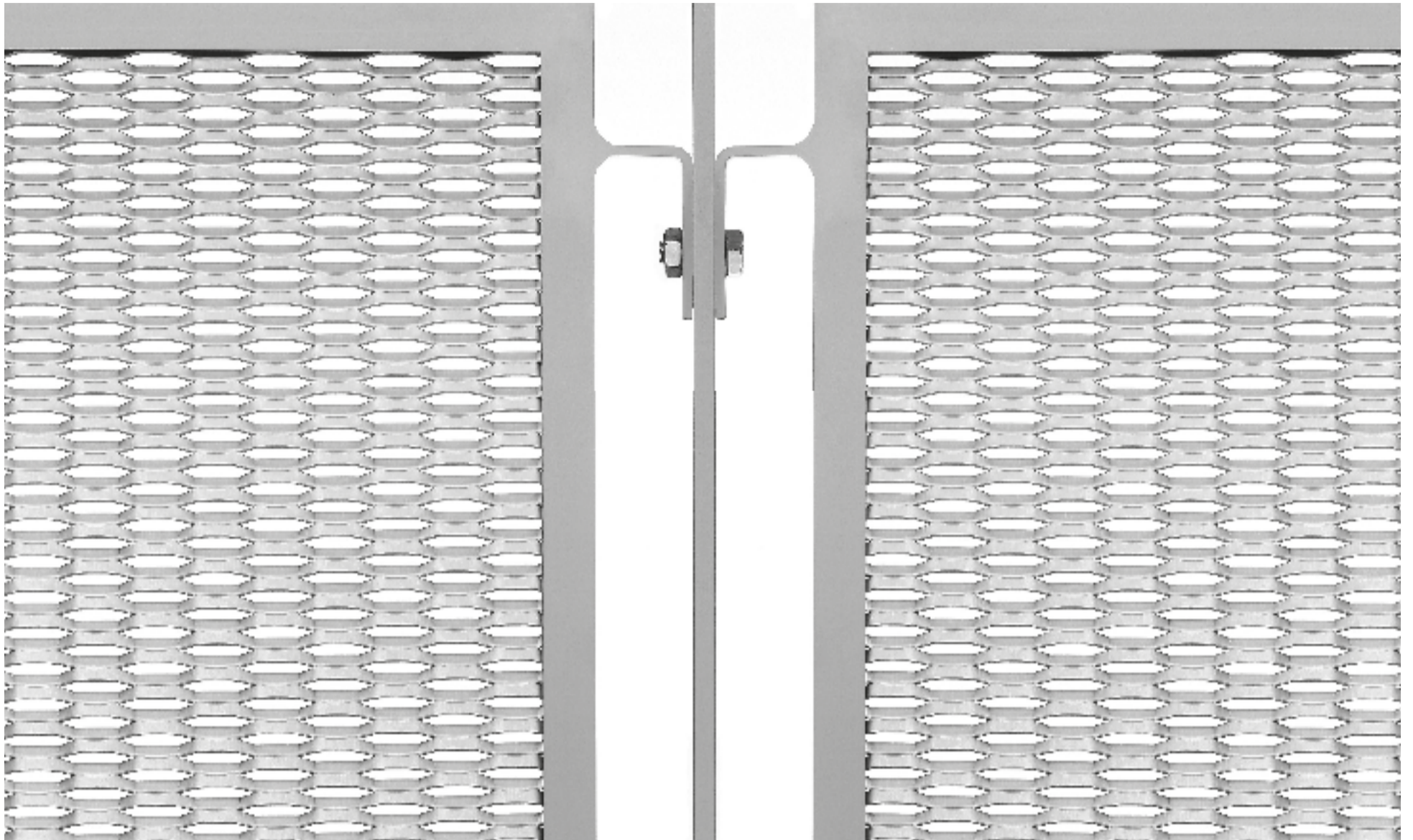


SYSTEM **B**
BASE

FILS 21 MESH



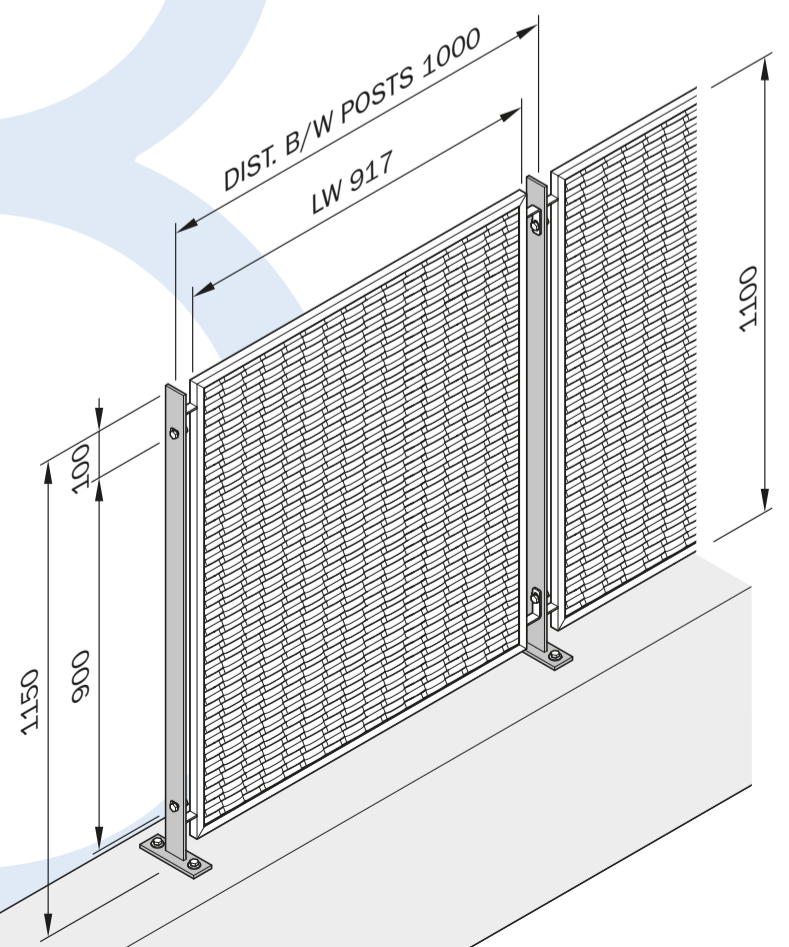
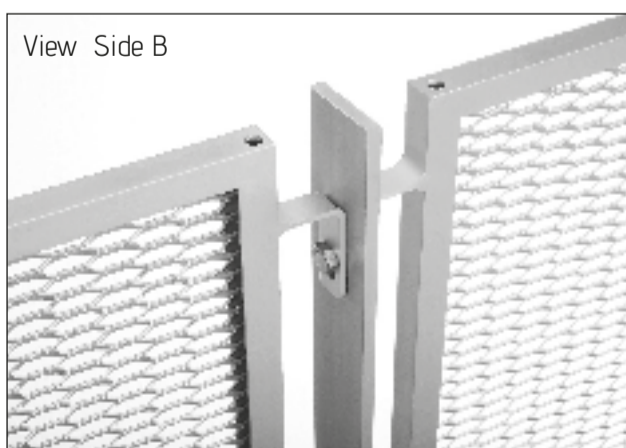
scale 1: 50



SYSTEM **B**
BASE

The BASE System has **panels enclosed on all 4 sides** in a C profile frame. These panels are supplied with **slotted brackets, pre-welded** to the panel, for easy adjustable fitting to the posts. The posts and fixing bolts are also supplied.

Technical sheet
for fencing and
and mesh FILS 21
Page 40/41



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.

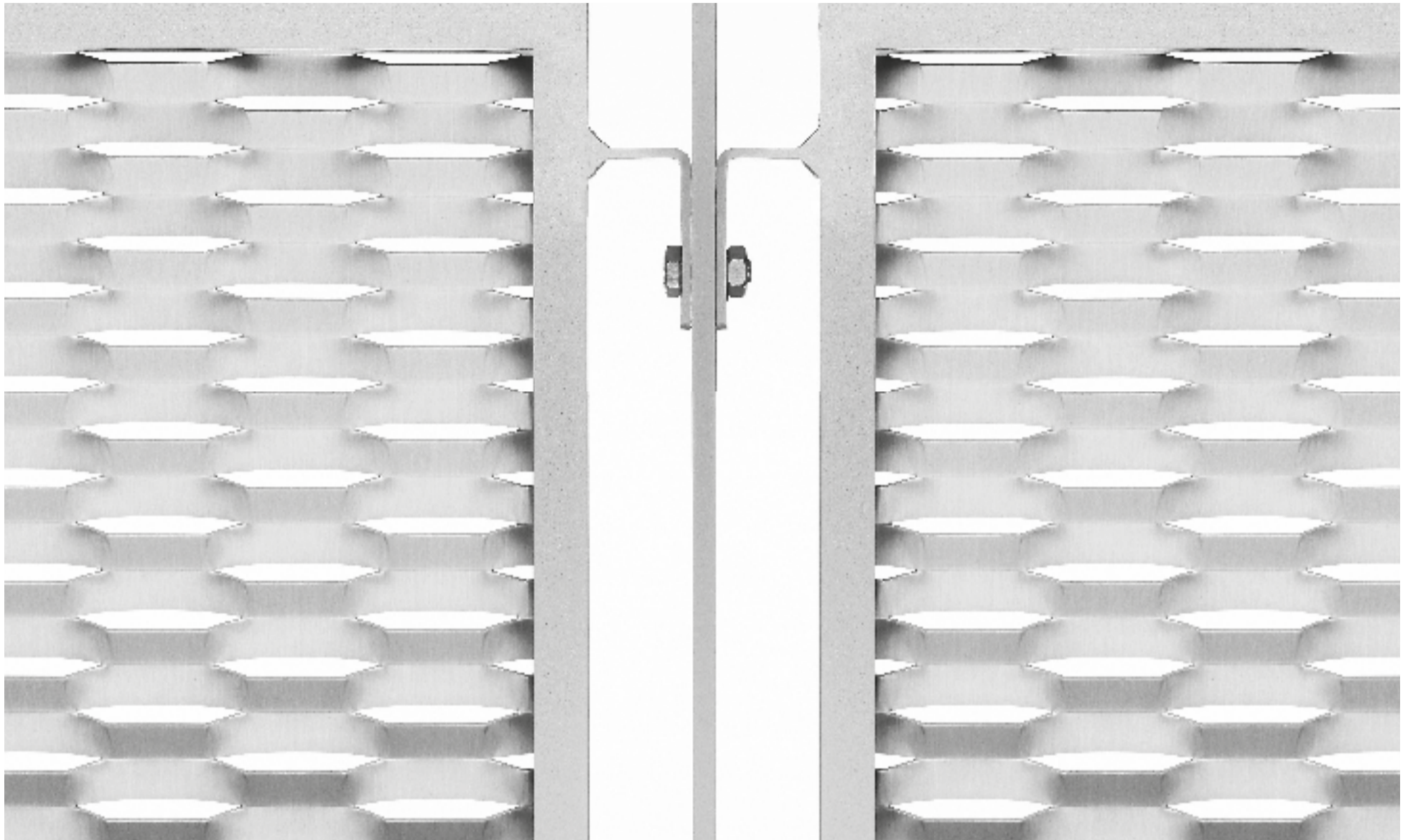
SYSTEM
BASE



ESPERIA MESH



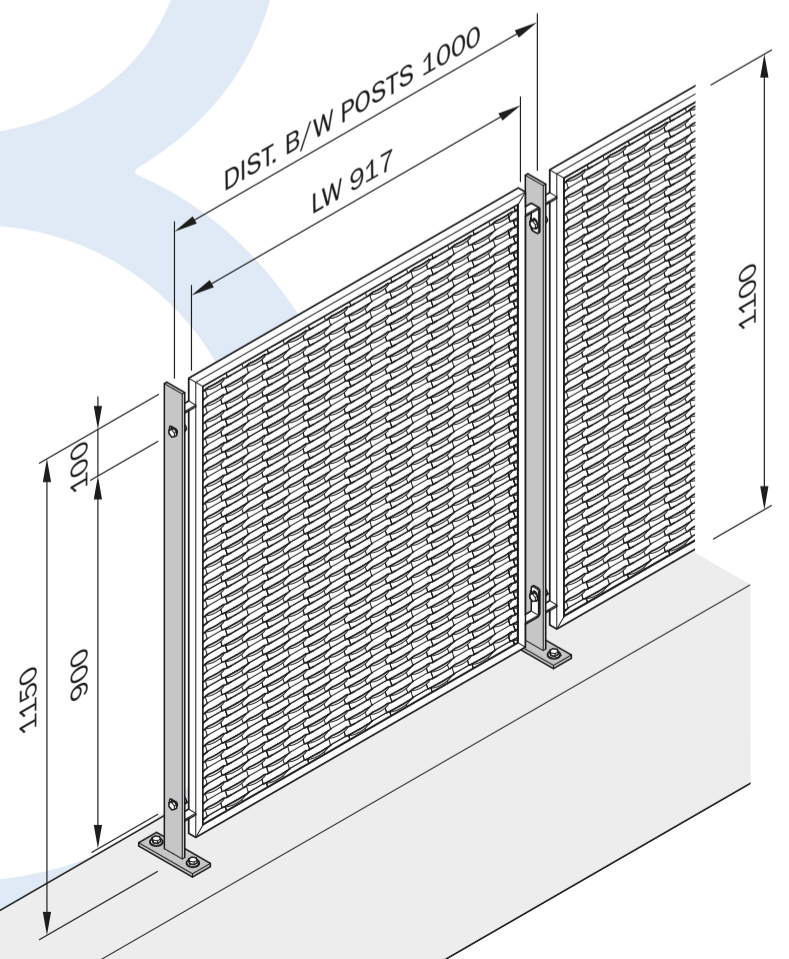
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SYSTEM **B**
BASE

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Technical sheet for fencing and mesh ESPERIA Page 42/43



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.

SYSTEM
BASE

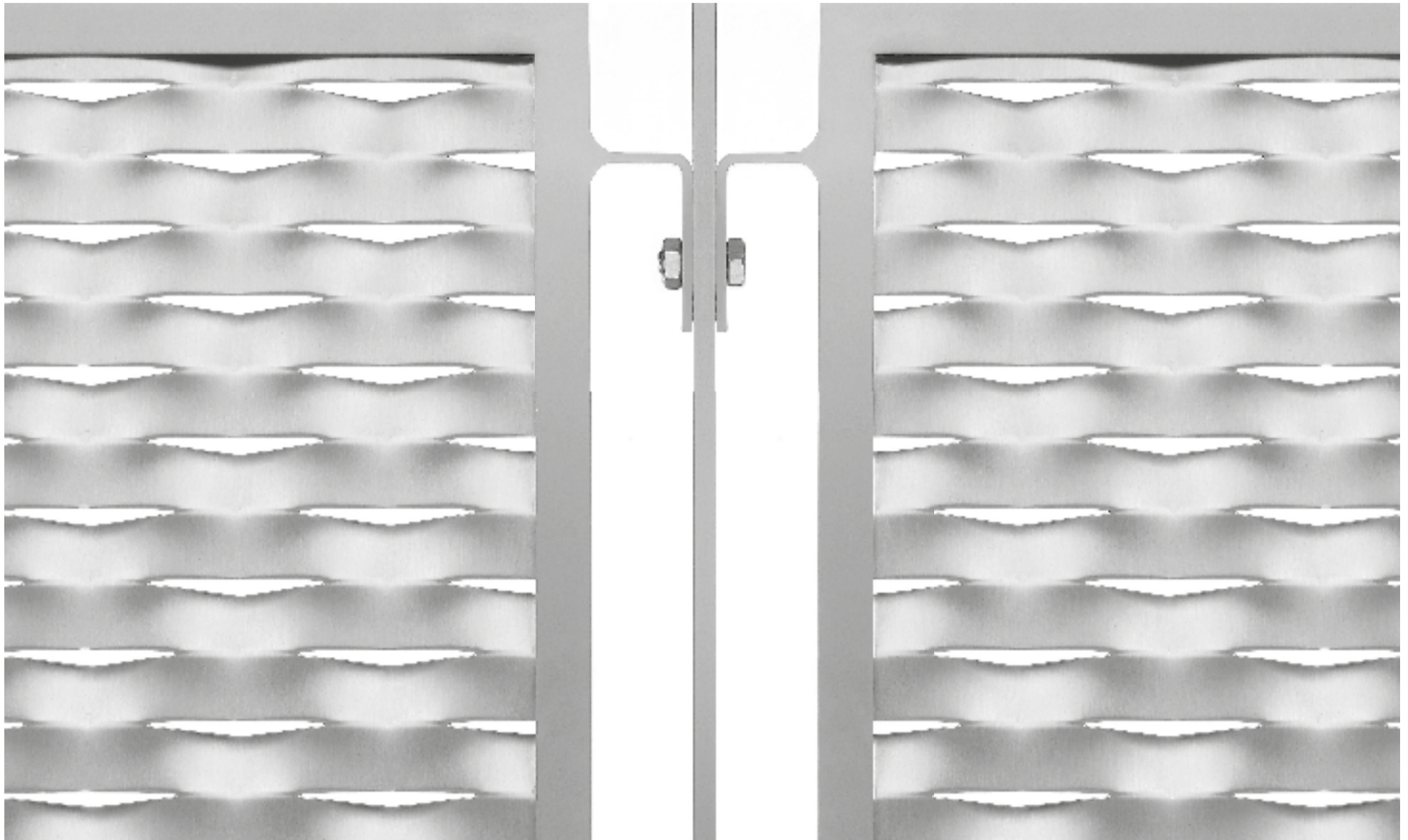
B

AMBASCIATA MESH





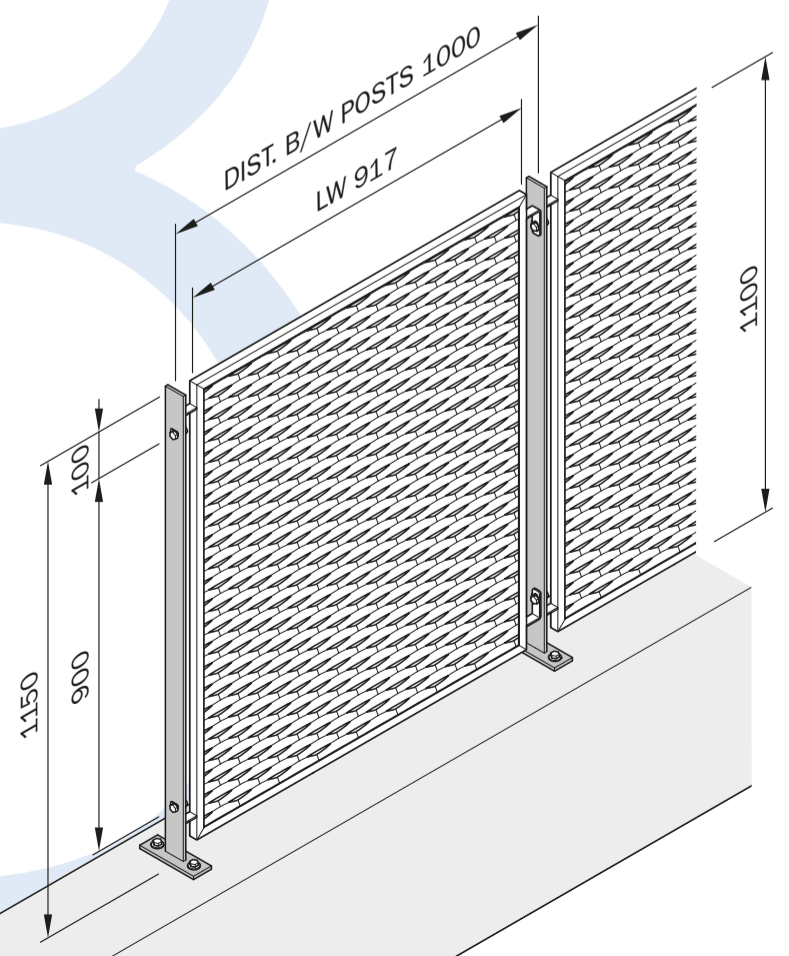
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SYSTEM **B**
BASE

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Technical sheet for fencing and mesh AMBASCIATA Page 44/45



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.



COMPATTO System

Fixed using plates without slits between the posts and the panel for good privacy.
The mesh provides extra screening.



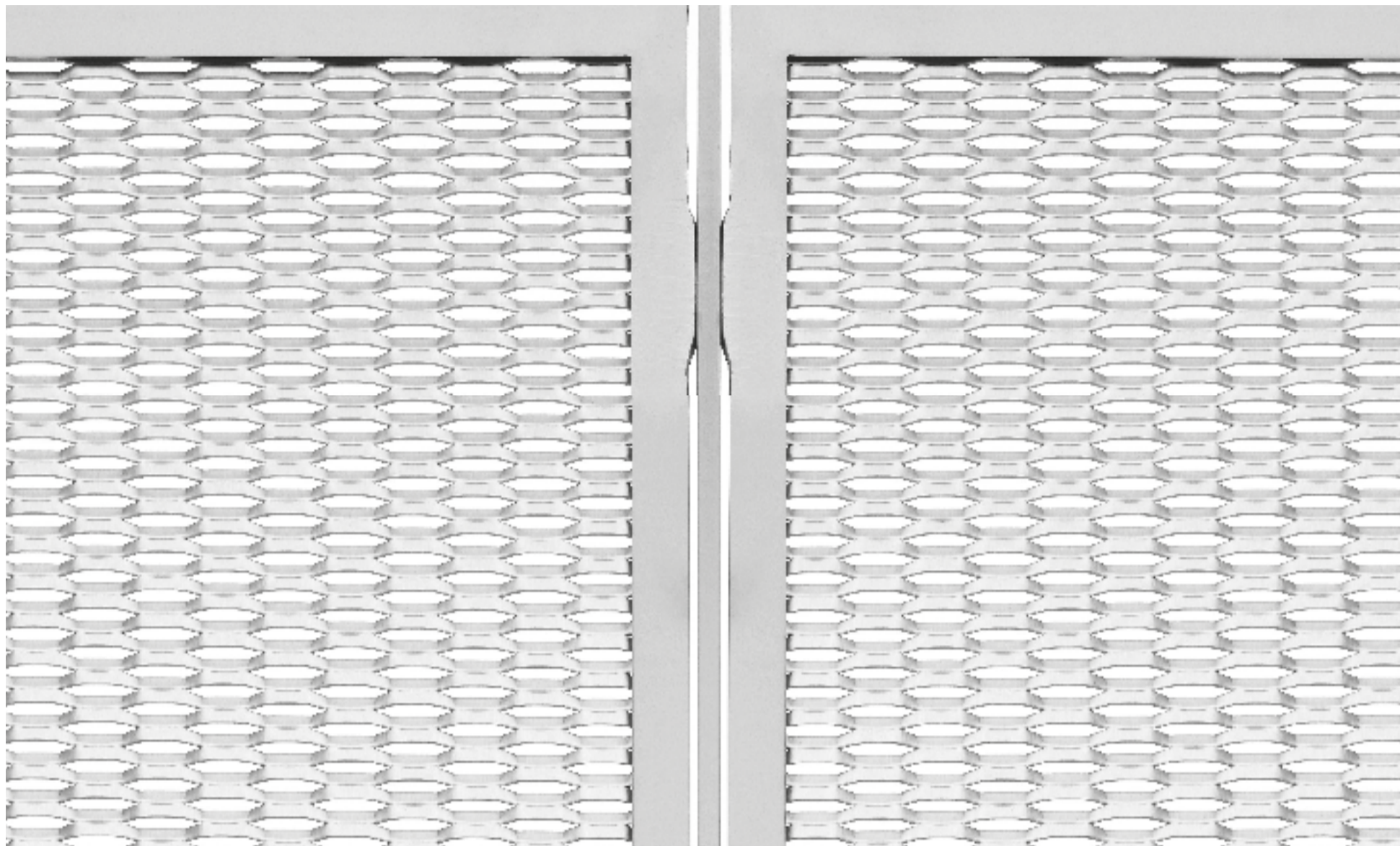
SYSTEM COMPATTO



FILS 21 MESH



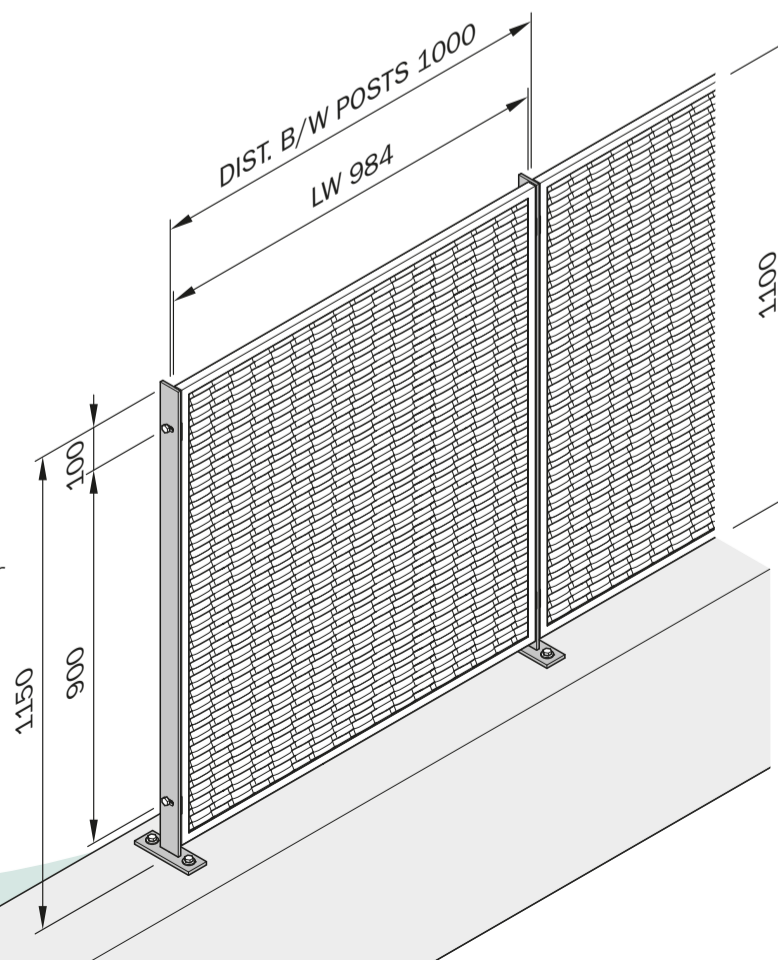
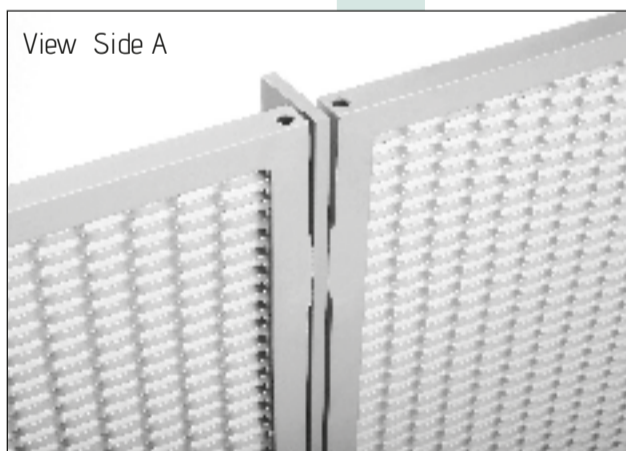
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SYSTEM  COMPATTO

The COMPATTO System has **panels enclosed on all 4 sides** in a C profile frame. These panels are supplied with **slotted plates, pre-welded** to the panel, for easy adjustable fitting to the posts. The posts and fixing bolts are also supplied.

Technical sheet for fencing and mesh FILS 21 Page 40/41



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.

SYSTEM COMPATTO

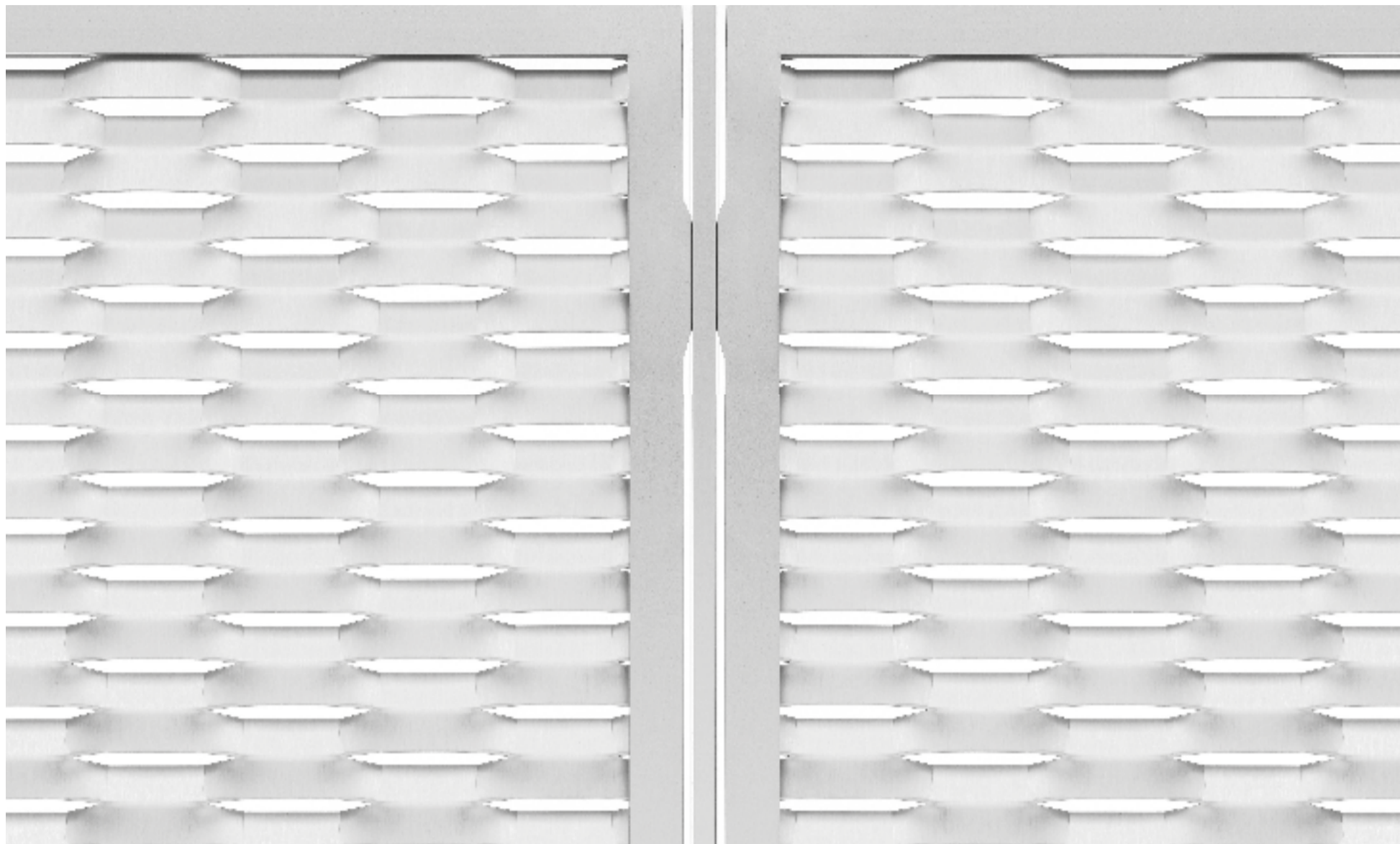


ESPERIA MESH





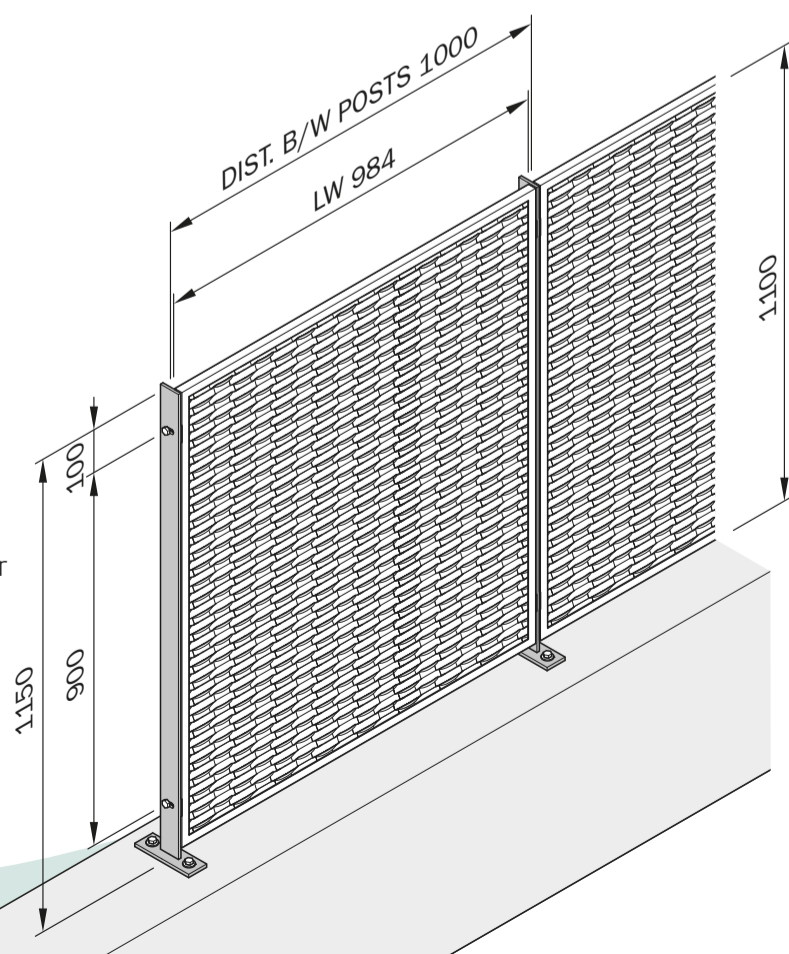
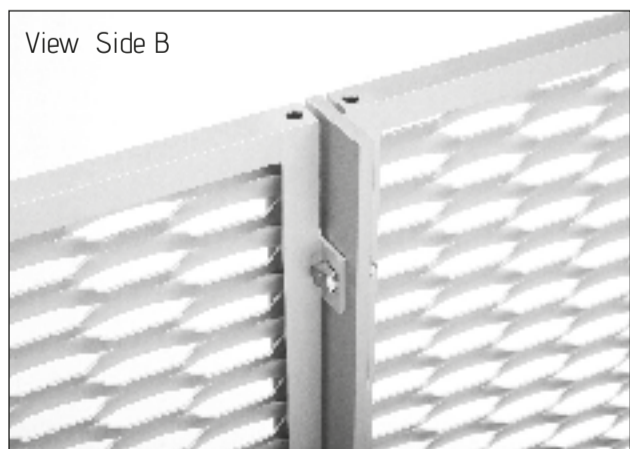
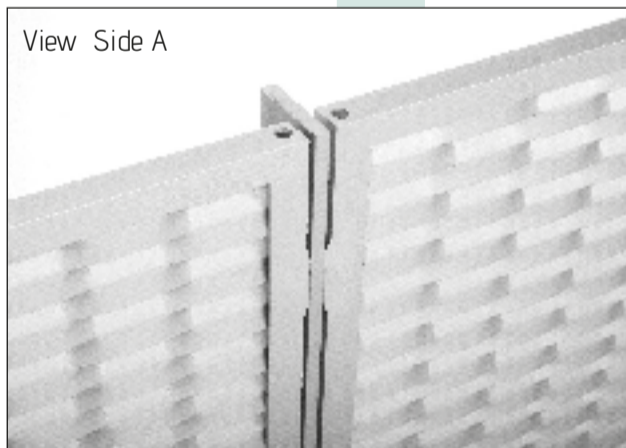
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SYSTEM  COMPATTO

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Technical sheet for fencing and mesh ESPERIA Page 42/43



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.

SYSTEM



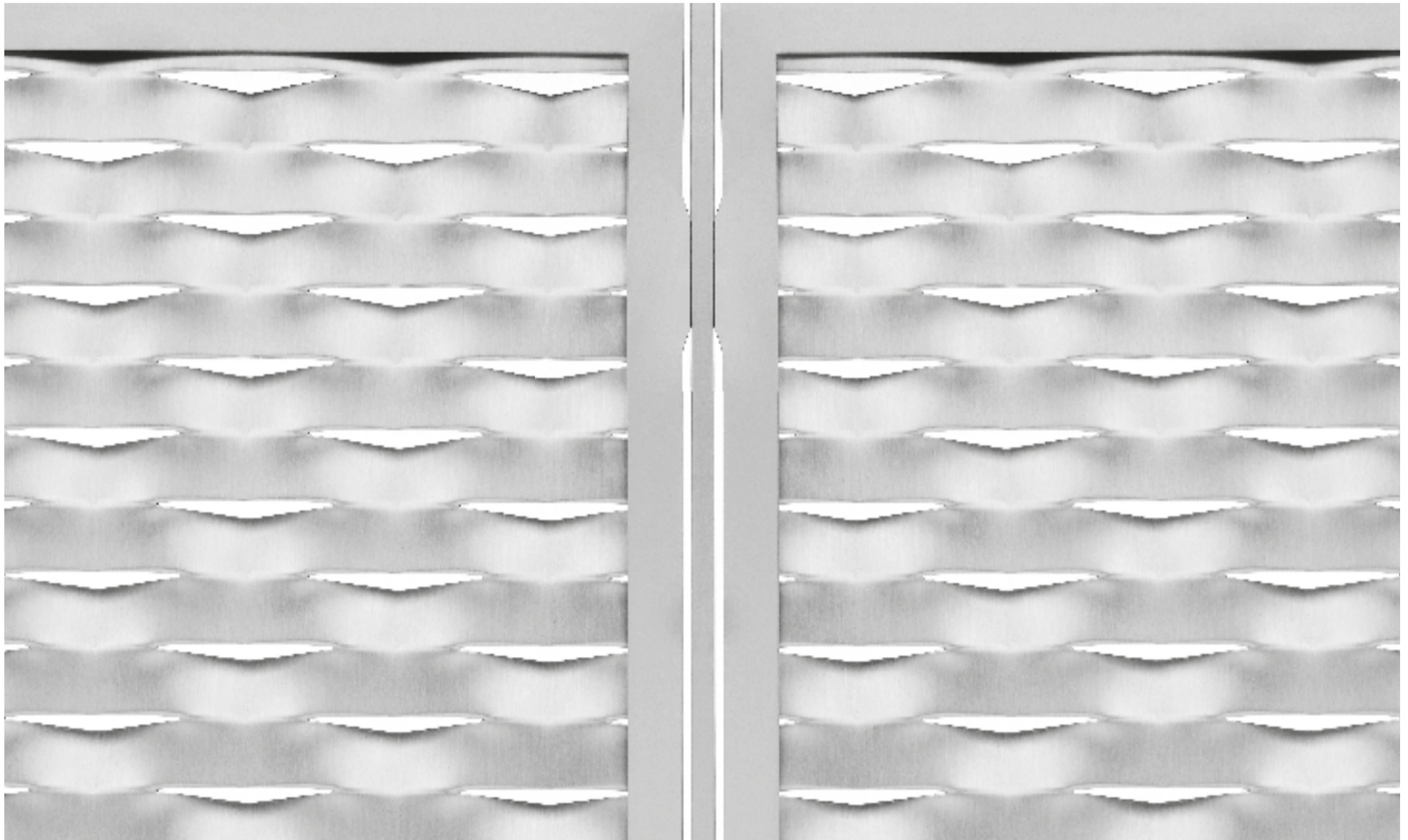
COMPATTO

AMBASCIATA MESH





scale 1: 50

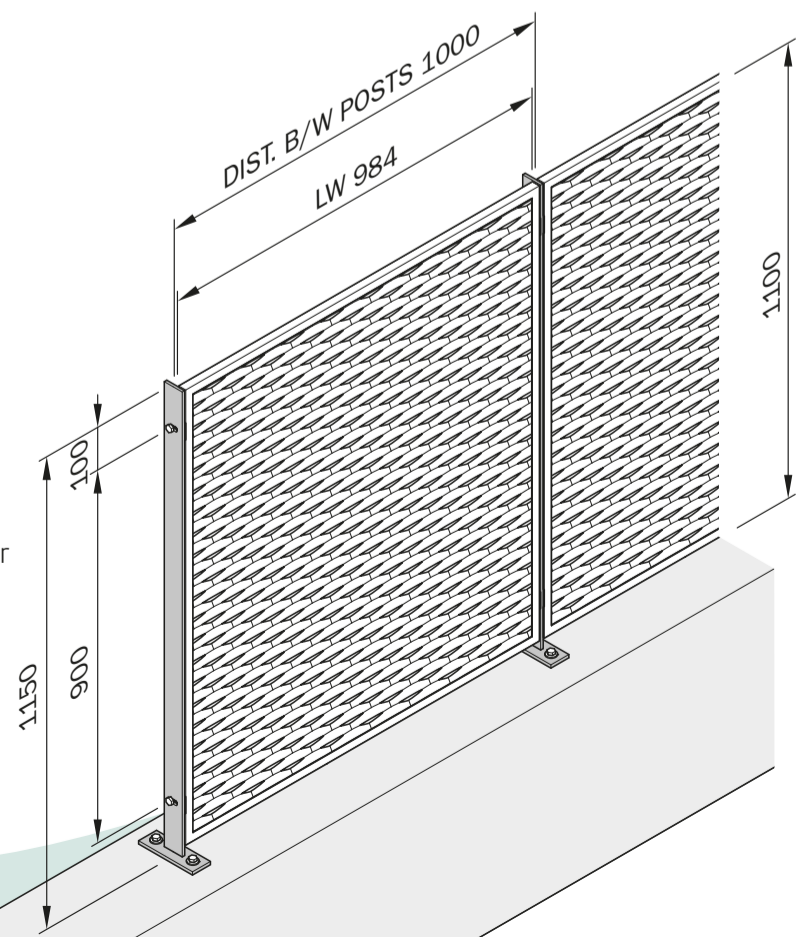


SYSTEM COMPATTO



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Technical sheet for fencing and mesh AMBASCIATA Page 44/45



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.



RAPIDO System

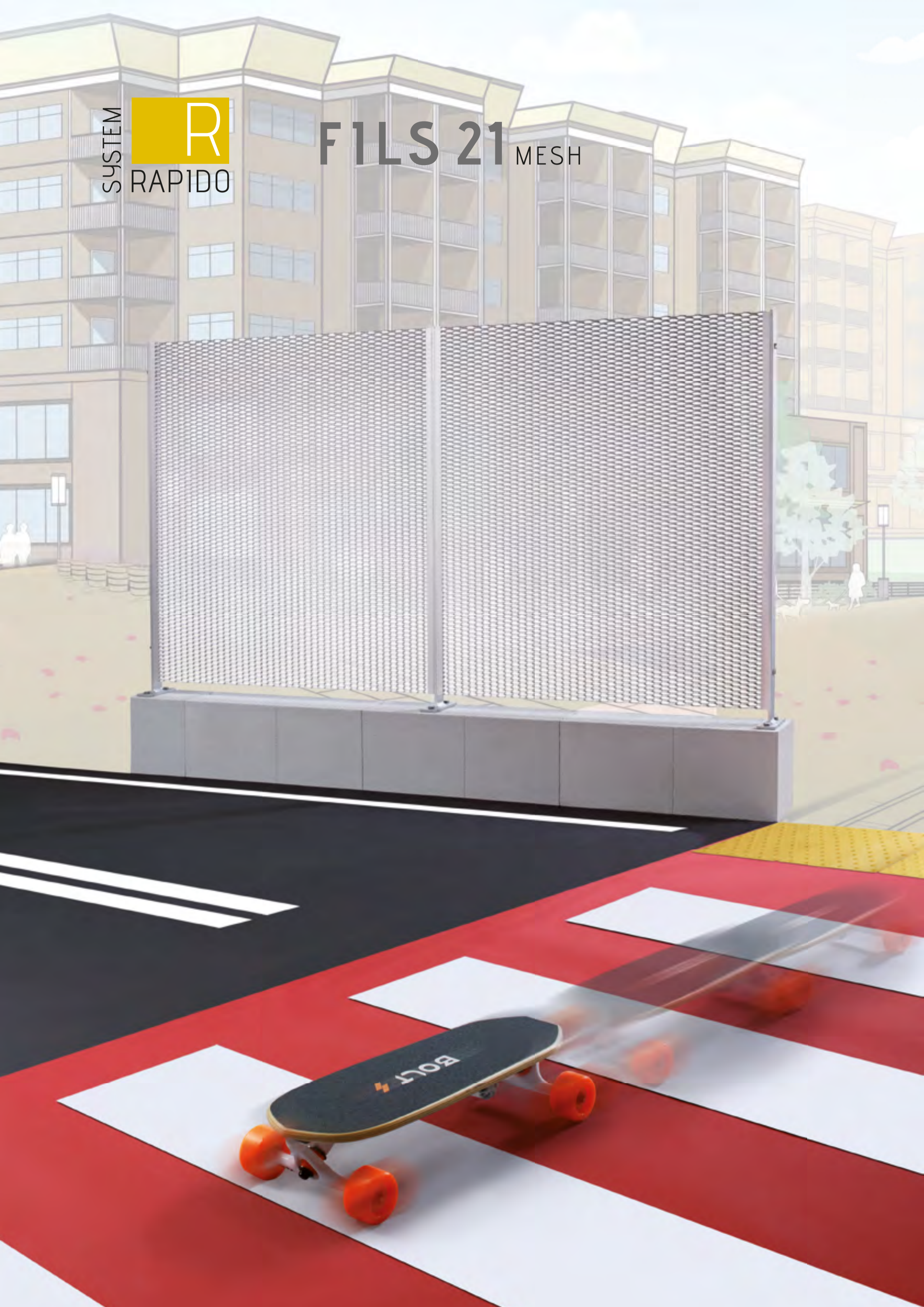
Fencing that is quick to assemble as there is no frame.
Two side profiles are used to secure the panels to the posts with no gaps
for exceptional privacy.



SYSTEM
RAPIDO

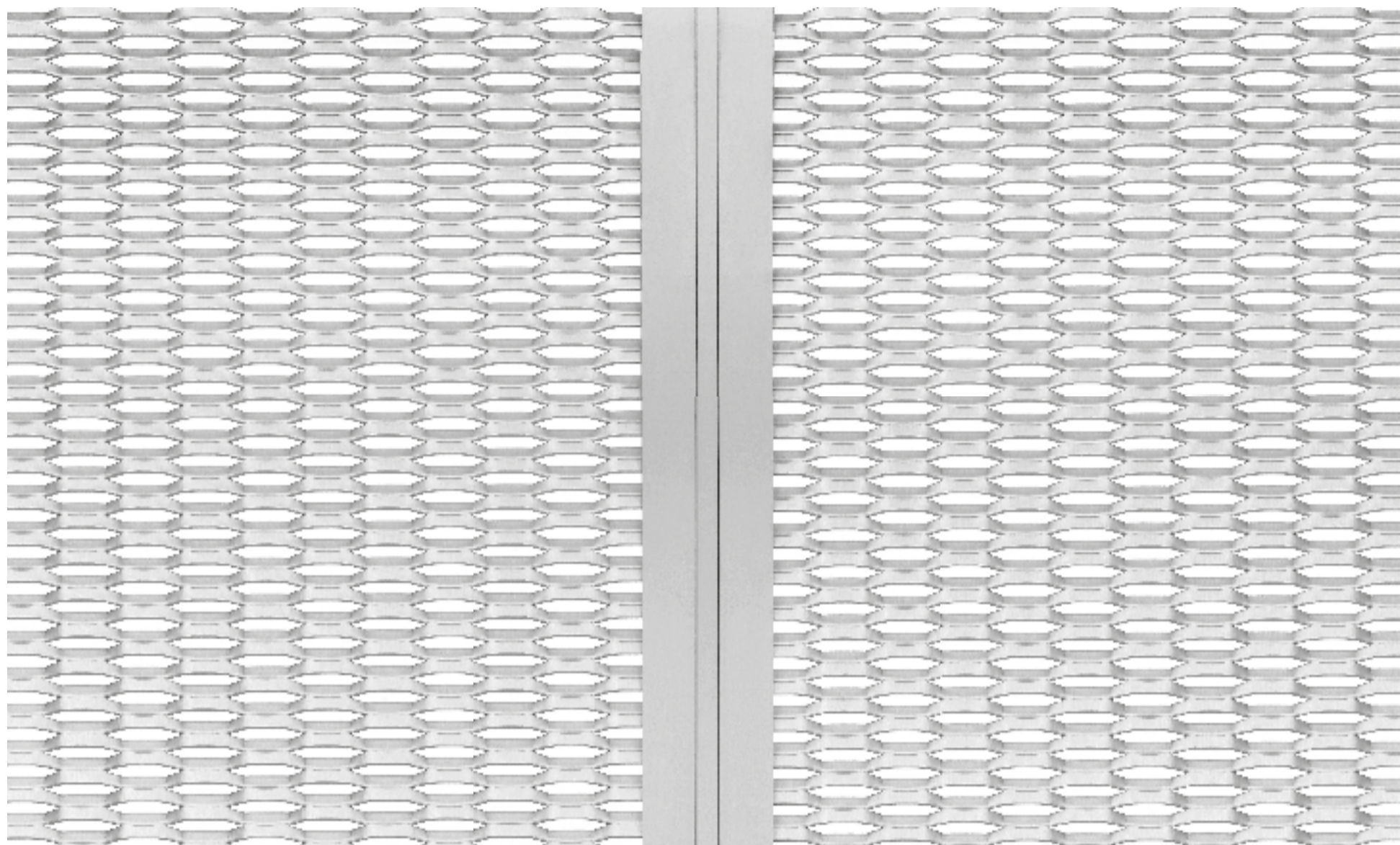


FILS 21 MESH





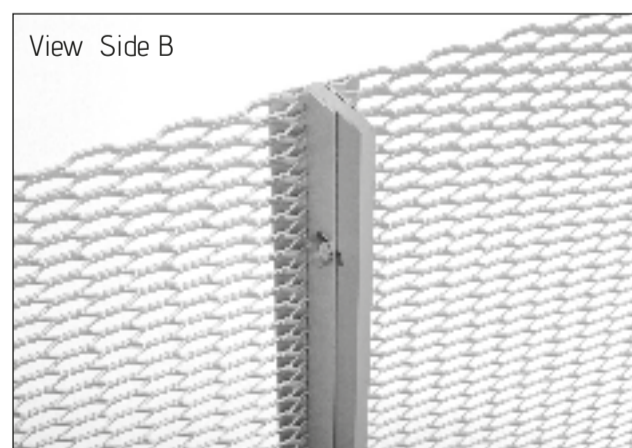
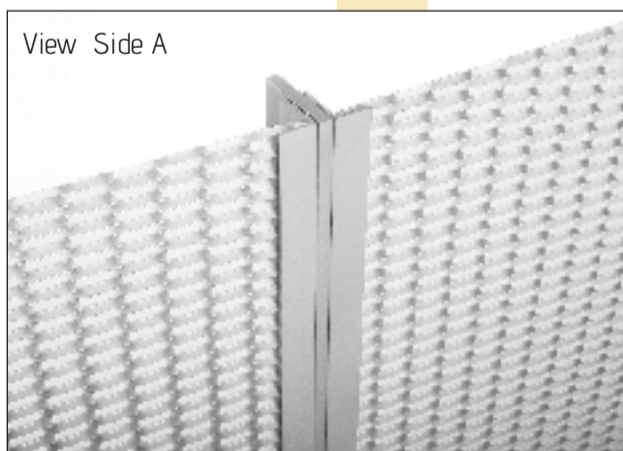
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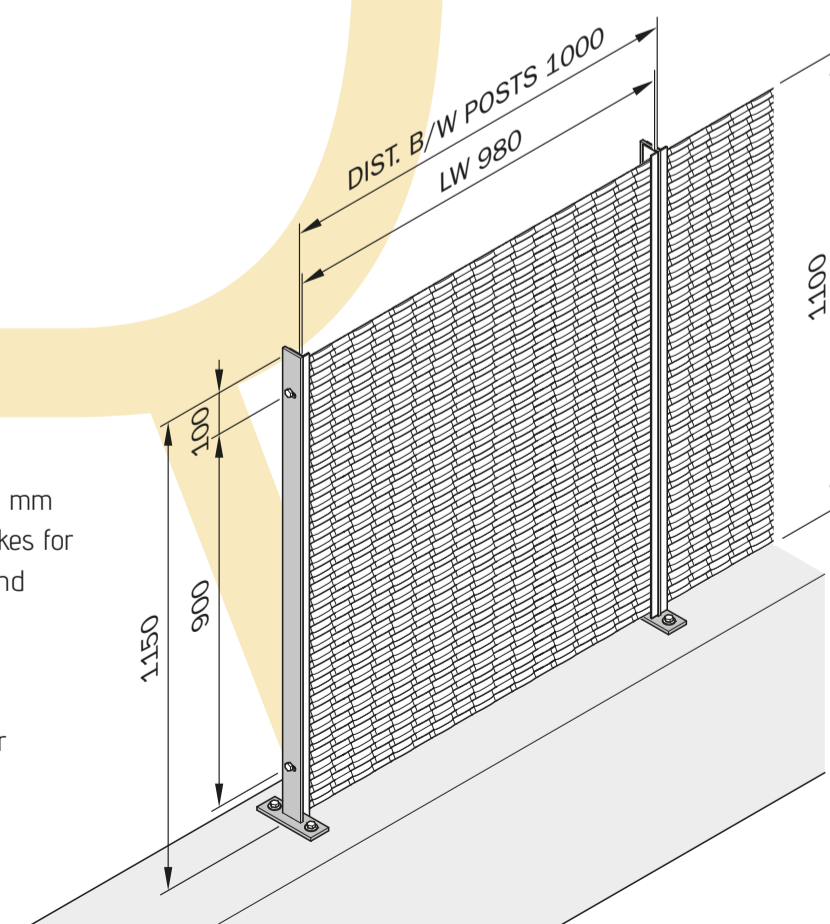
SYSTEM **R**
RAPIDO

The RAPIDO System has **panels** that are **not enclosed on all 4 sides**. These panels are supplied with **2 slotted L-shaped profiles, pre-welded** to the vertical sides of each panel for easy adjustable fitting to the posts. The posts and fixing bolts are also supplied.

Technical sheet for fencing and mesh FILS 21 Page 40/41



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.



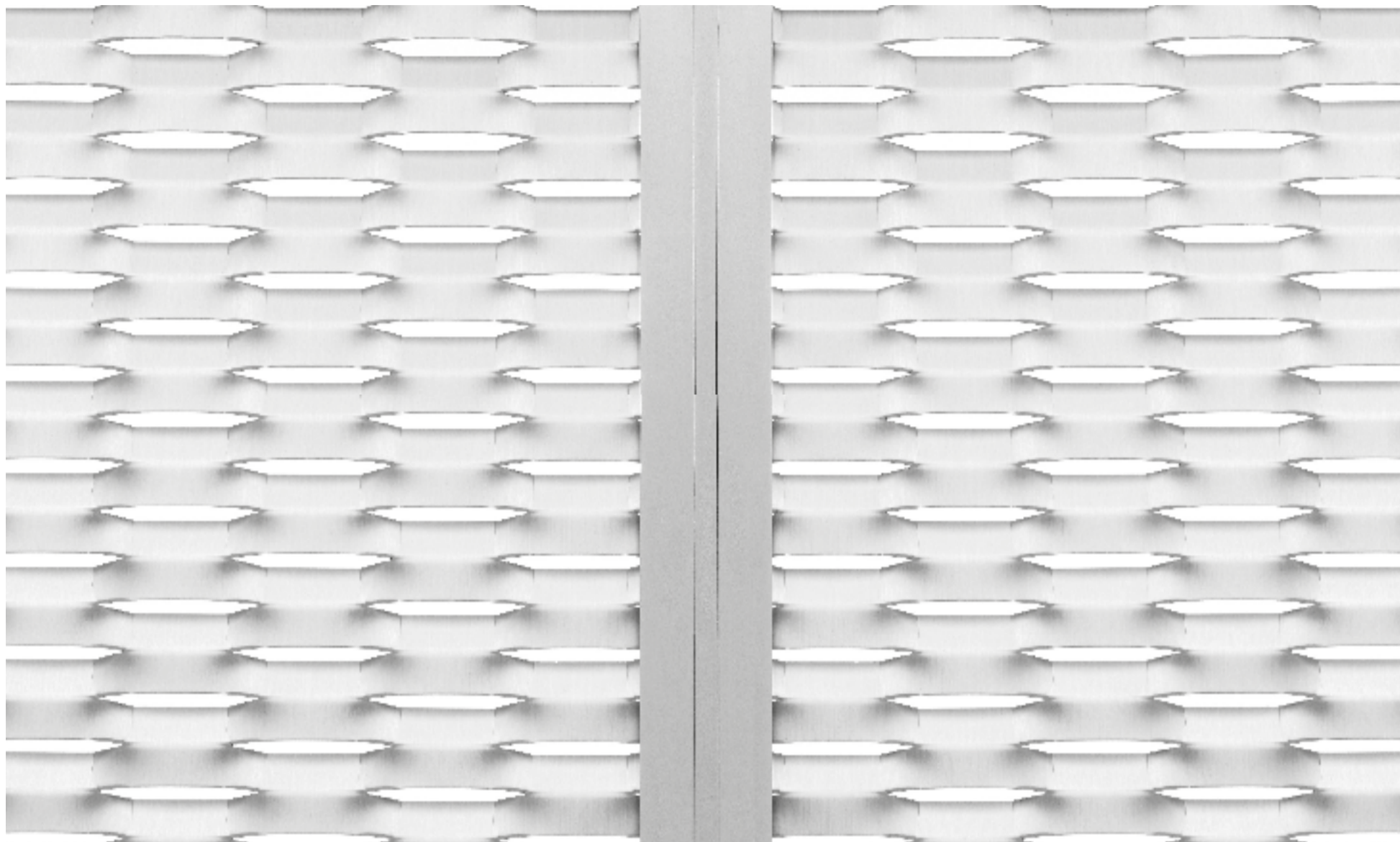
SYSTEM **R**
RAPIDO

ESPERIA MESH





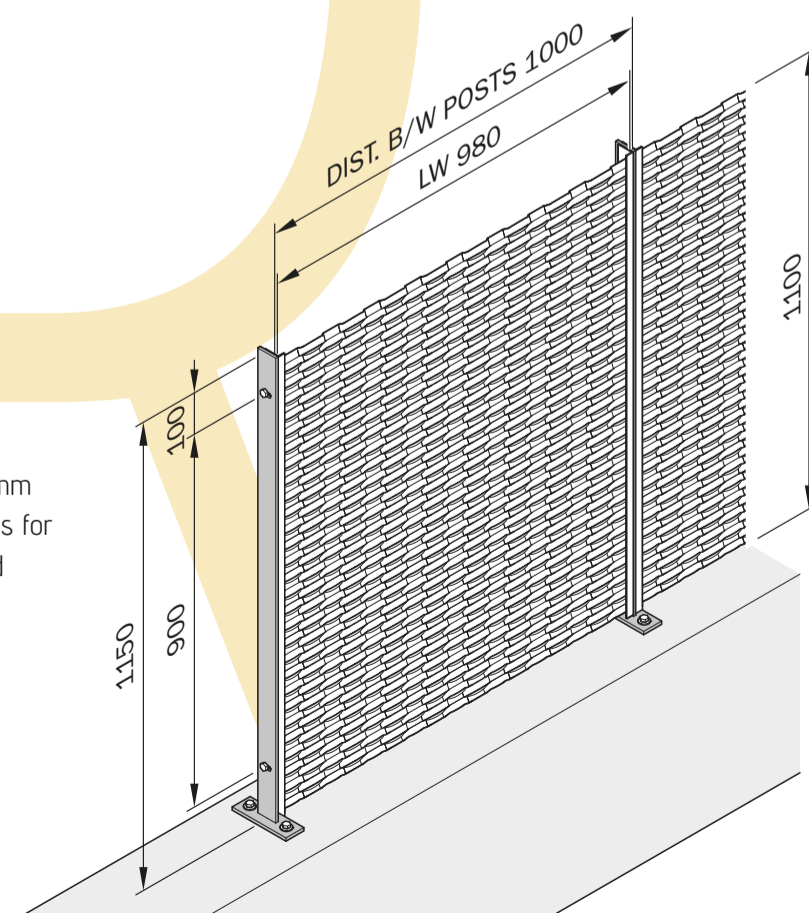
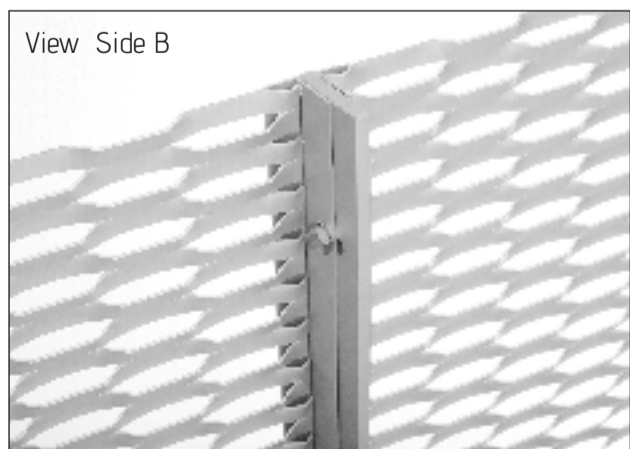
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SYSTEM **R**
RAPIDO

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Technical sheet for fencing and mesh ESPERIA Page 42/43



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.

SYSTEM
RAPIDO

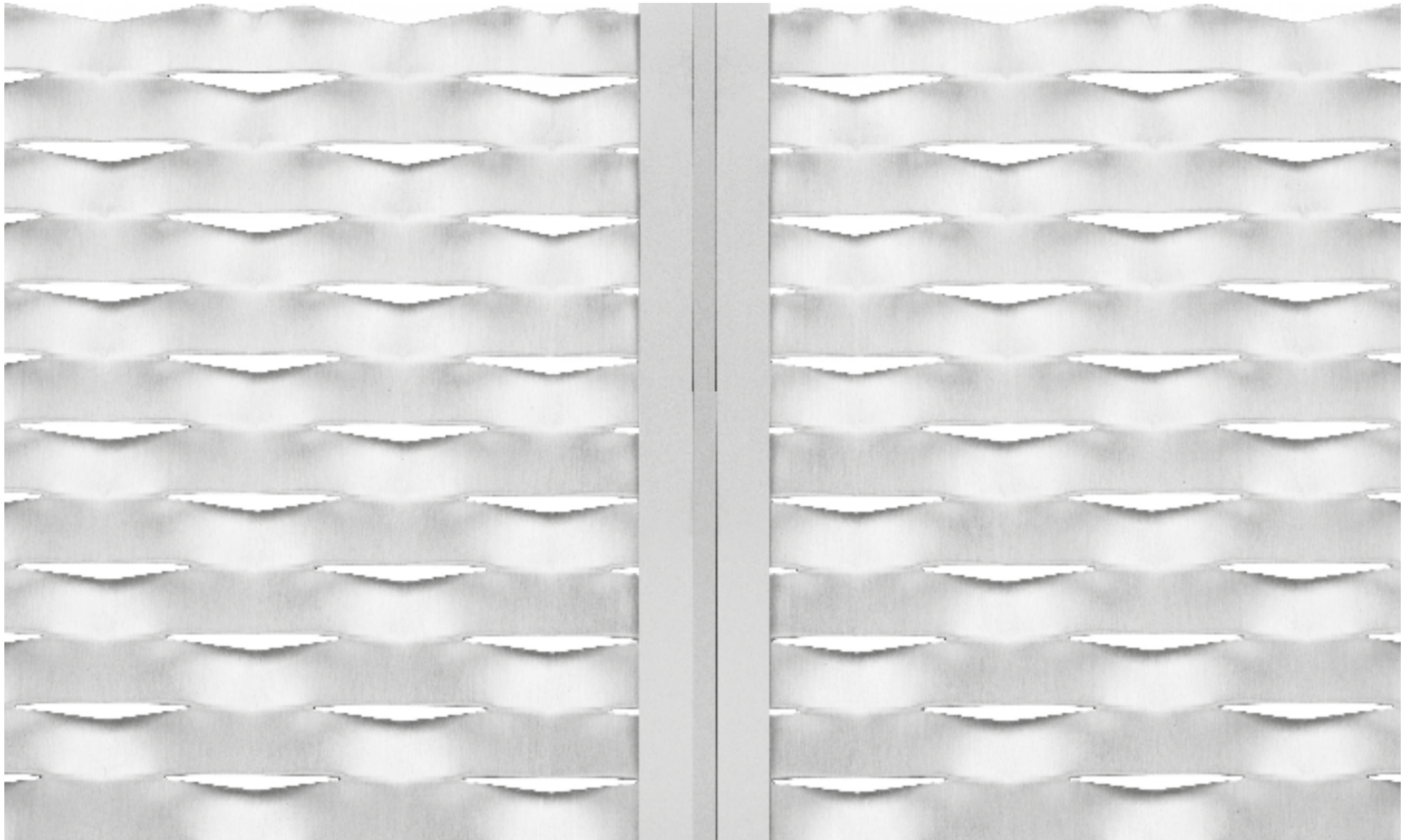


AMBASCIATA MESH





scale 1: 50



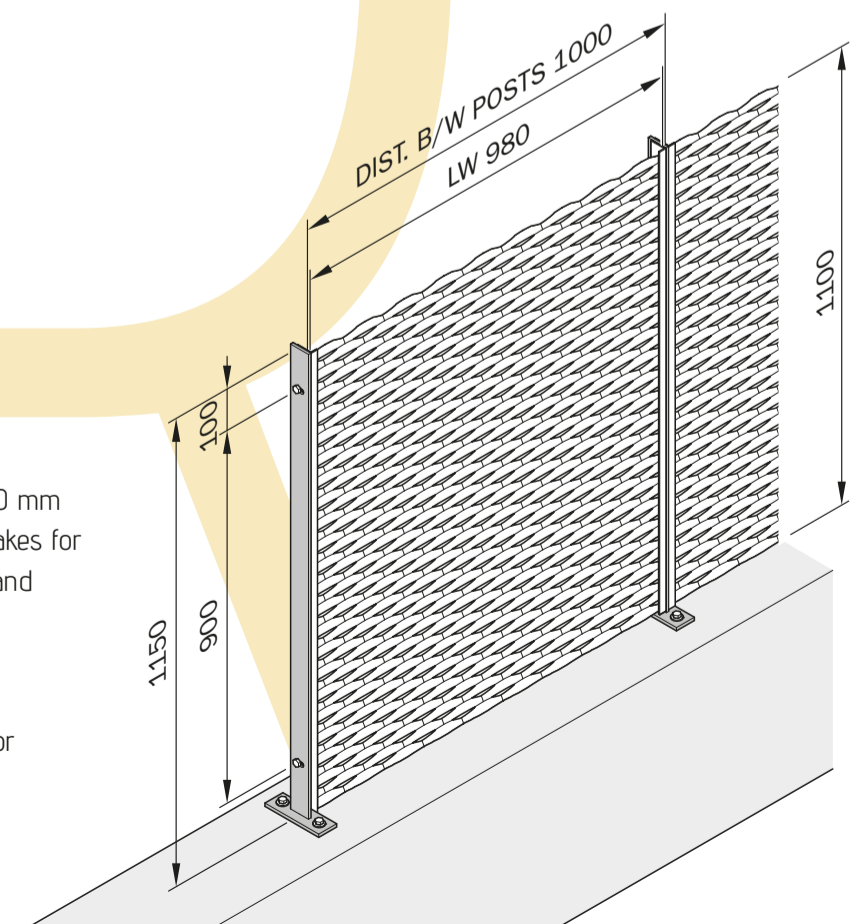
SYSTEM **R**
RAPIDO

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Technical sheet for fencing and mesh AMBASCIATA Page 44/45



A distance of 1000 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.





LUNA 400 mesh



SYSTEM
RAPIDO



LUNA 400 MESH





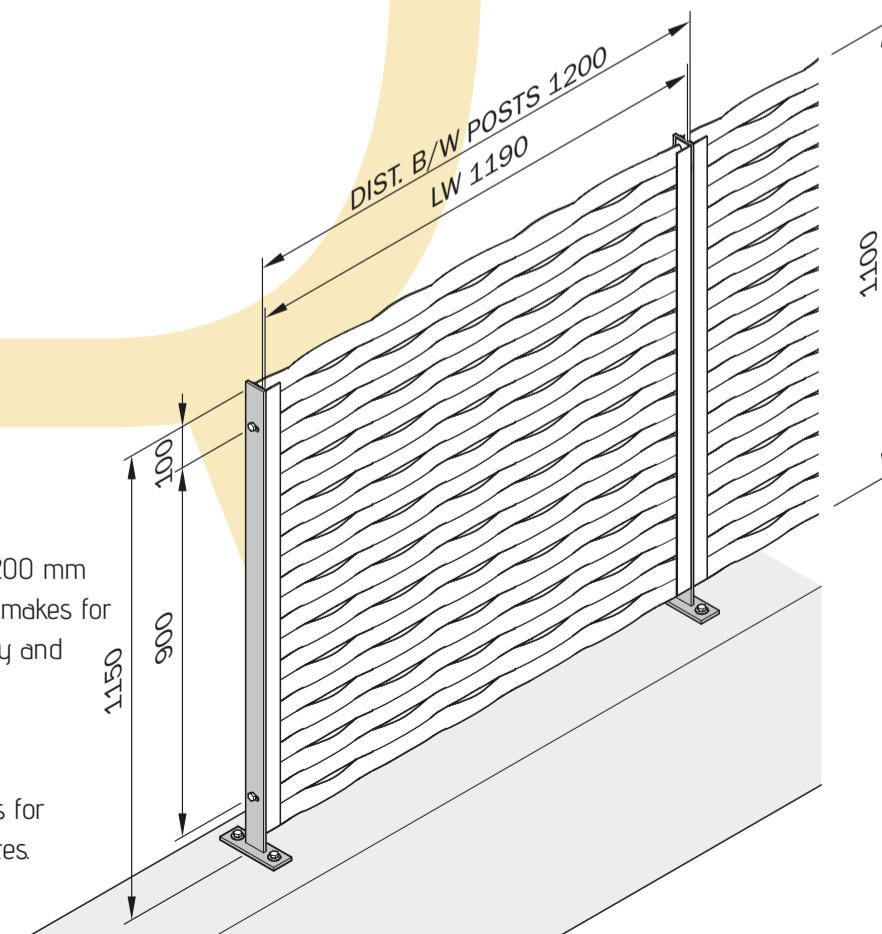
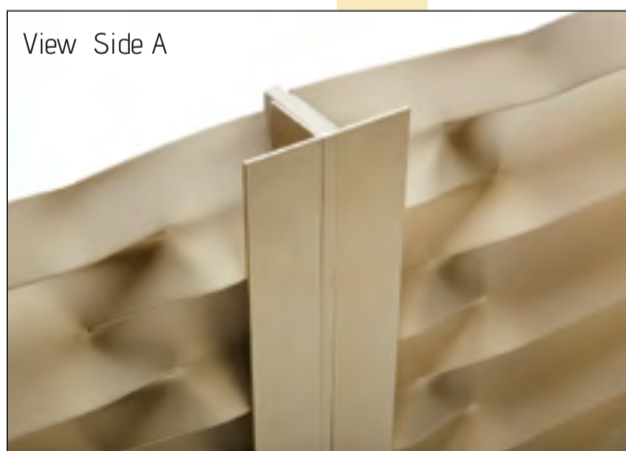
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SYSTEM **R** RAPIDO

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Technical sheet for fencing and mesh LUNA 400 Page 46



A distance of 1200 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.



LUNA 400/1 mesh



SYSTEM
RAPIDO



LUNA 400/1 MESH





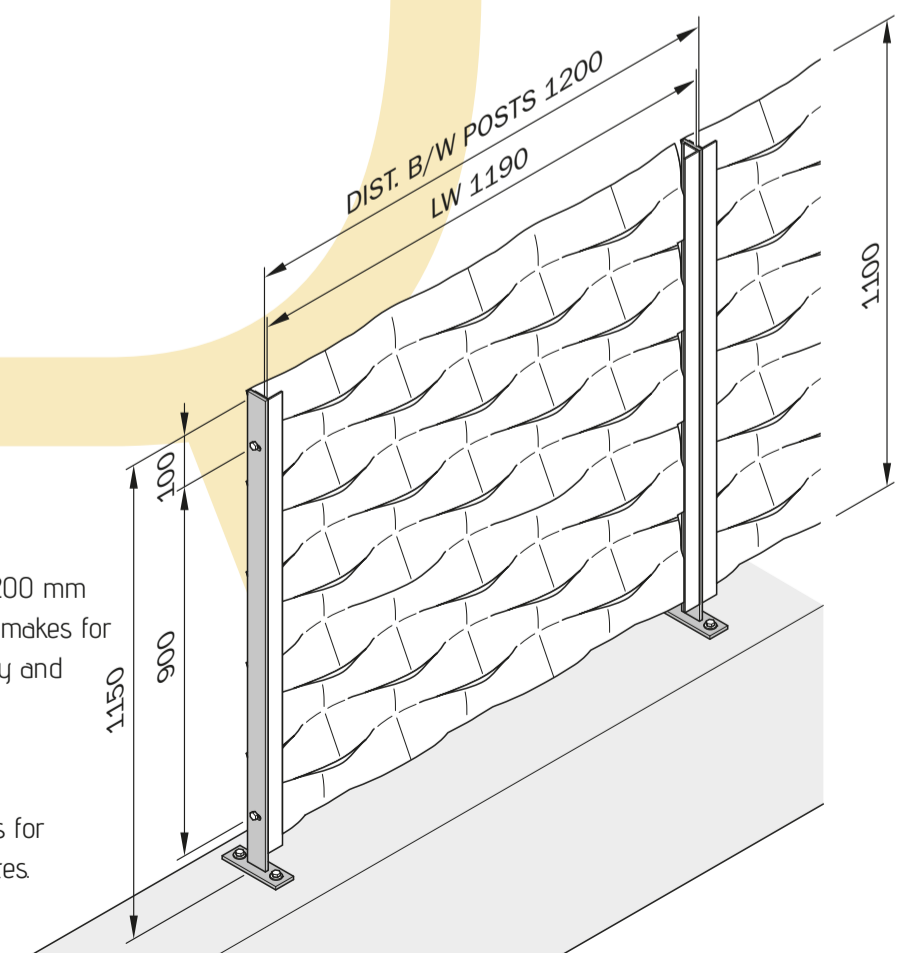
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SYSTEM **R** RAPIDO

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Technical sheet for fencing and mesh LUNA 400/1 Page 47



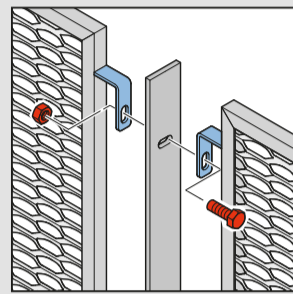
A distance of 1200 mm between posts makes for good modularity and flexible design. Also available on request: finishing panels for corners and gates.

TECHNICAL SHEETS FOR THE 3 FIXING SYSTEMS

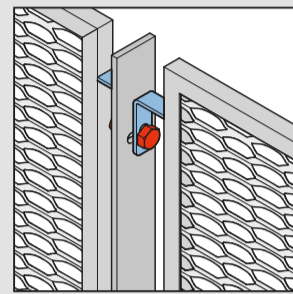
FILS 21 MESH

SYSTEM **B**
BASE

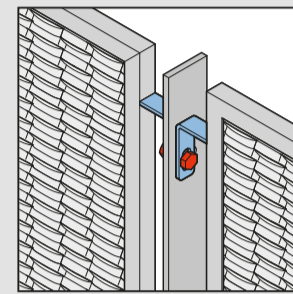
Fixing
with slotted brackets



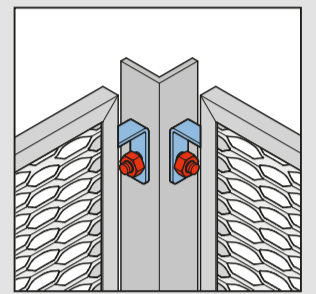
Side B



Side A

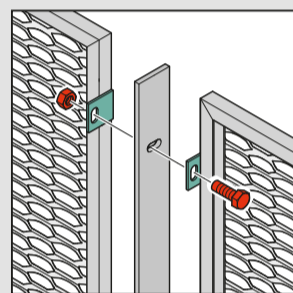


Corner

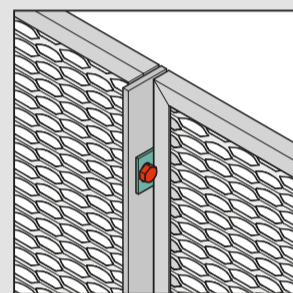


SYSTEM **C**
COMPATTO

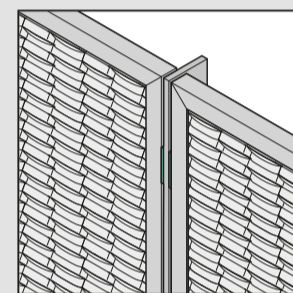
Fixing
with slotted plates



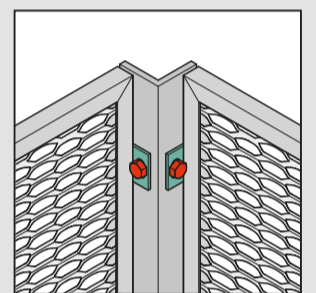
Side B



Side A

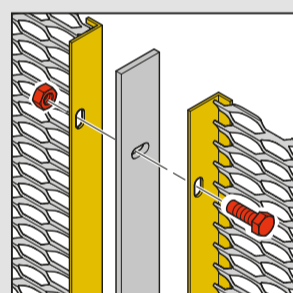


Corner

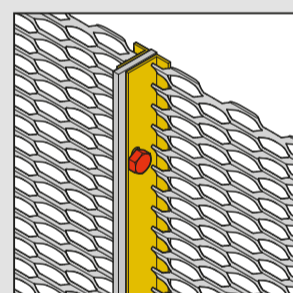


SYSTEM **R**
RAPIDO

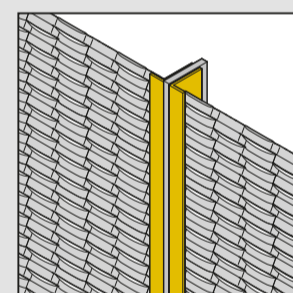
Fixing
with 2 slotted profiles



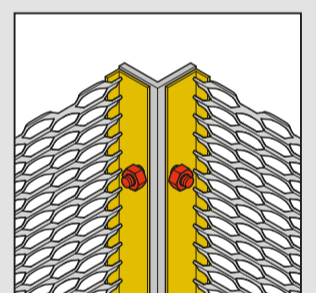
Side B



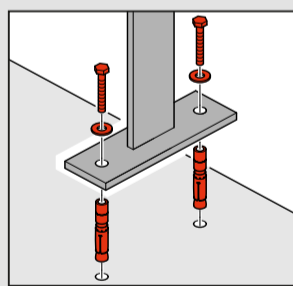
Side A



Corner

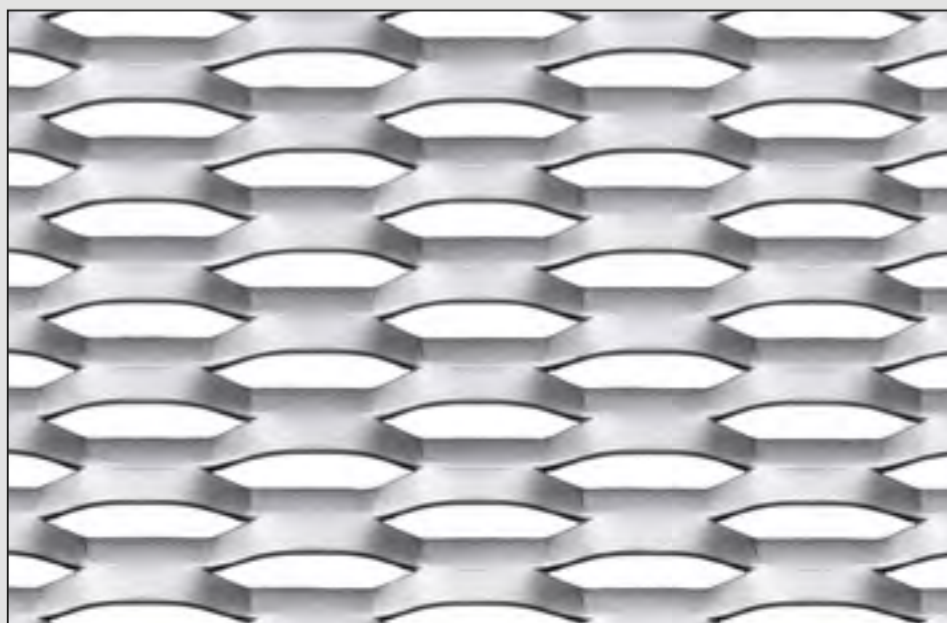


Screw plugs for
anchoring



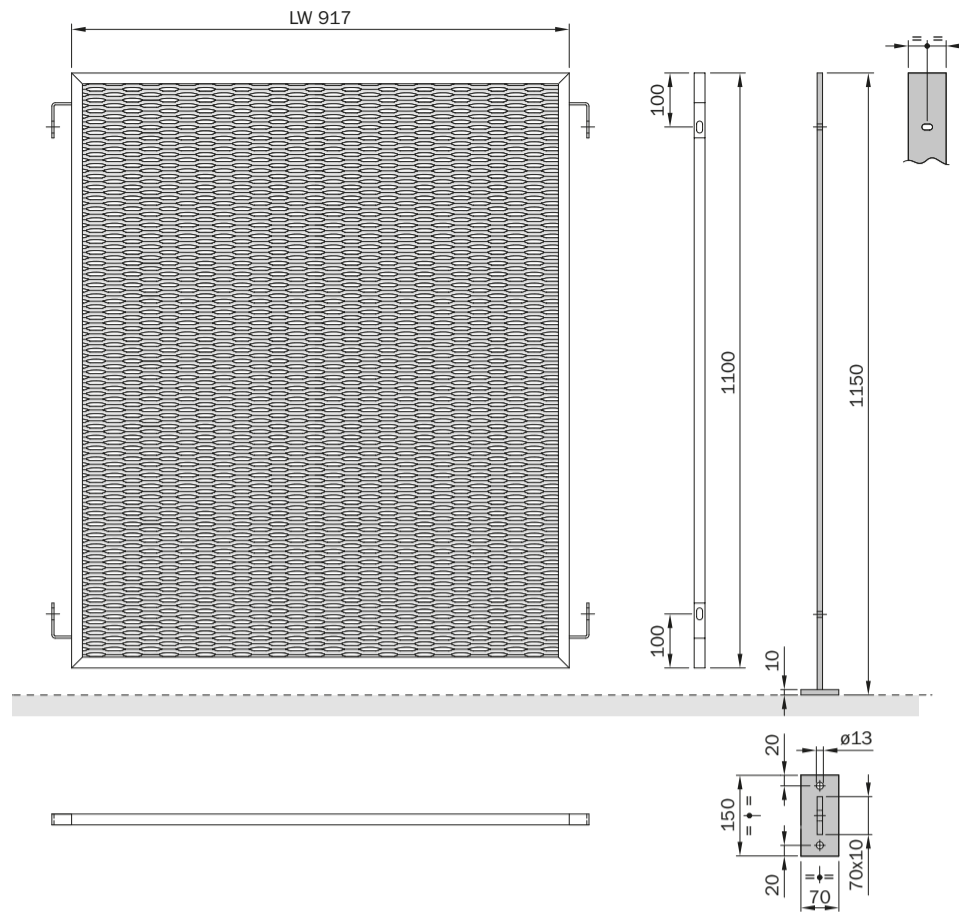
Panels also available, on request,
to finish corners and flank gates.

FILS 21 mesh
LW 45 x SW 15 (13,4)[^] - w 5,0 x t 2,0 mm
([^] actual SW) - actual mesh size

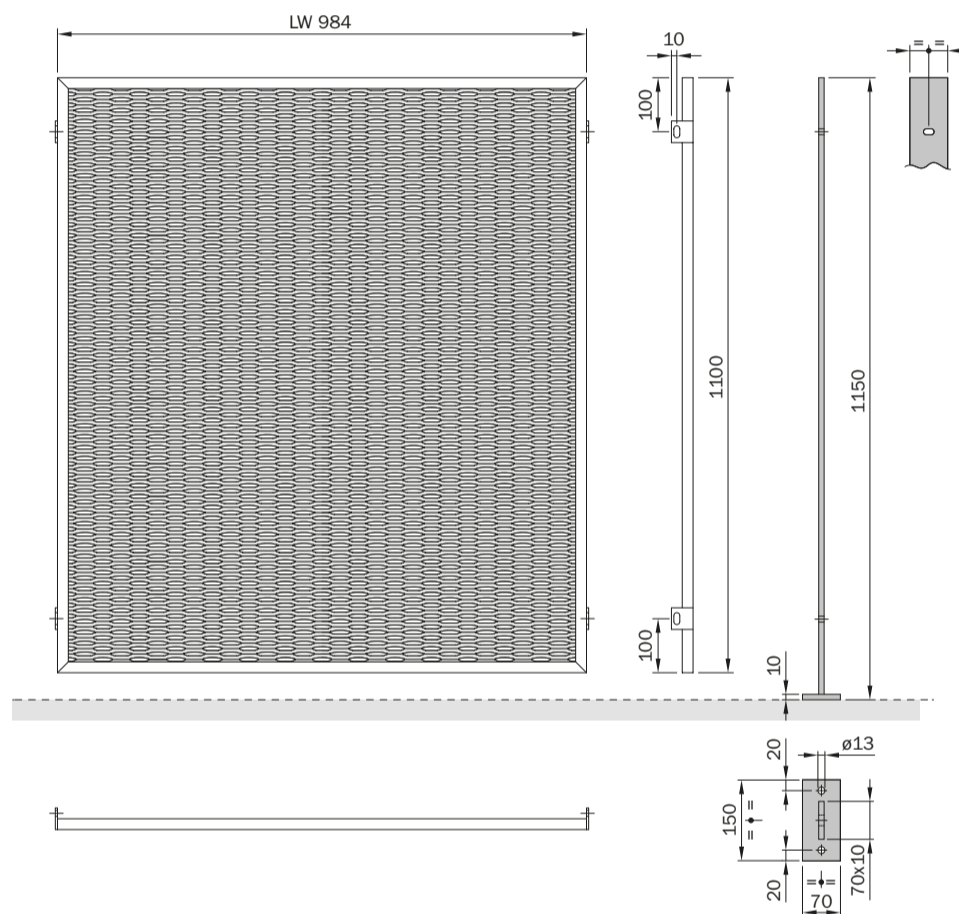


TECHNICAL DETAILS OF THE PANELS

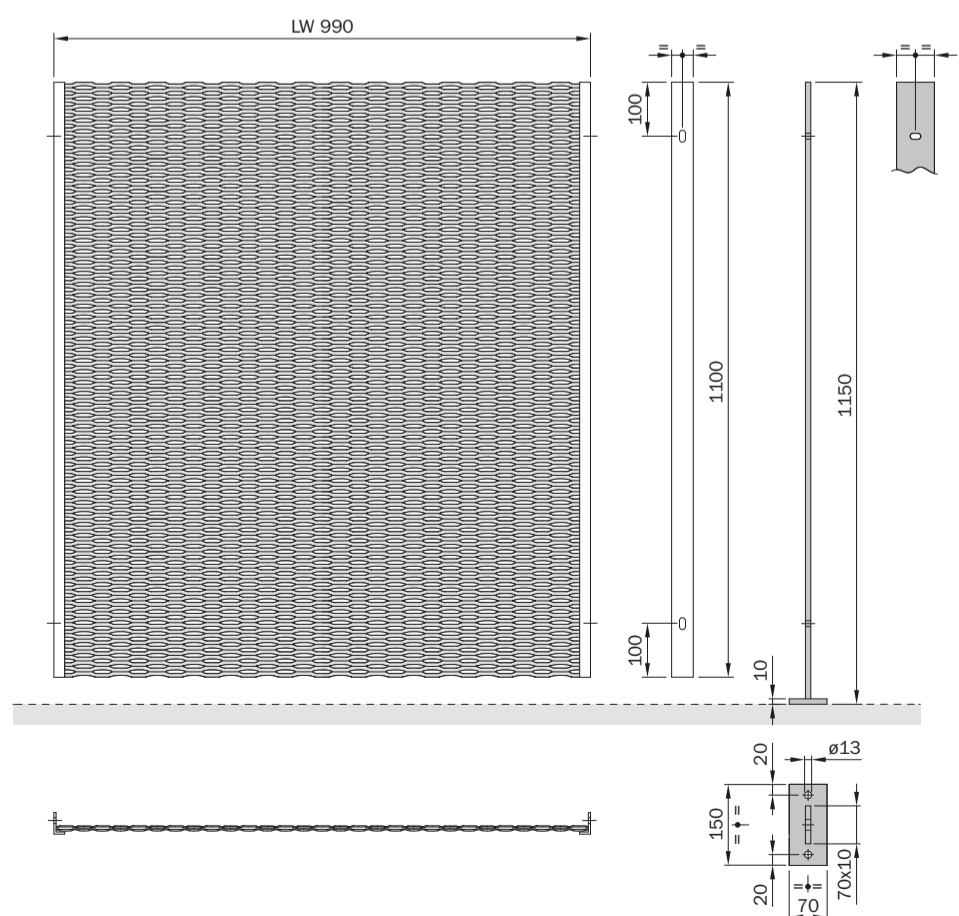
Each panel is supplied with standard dimensions and with the fixing elements fitted as described in the following drawings. The posts are also supplied together with these panels, as are the fixing nuts and bolts.



FILS 21
MESH
PANEL SYSTEM
BASE



FILS 21
MESH
PANEL SYSTEM
COMPATTO

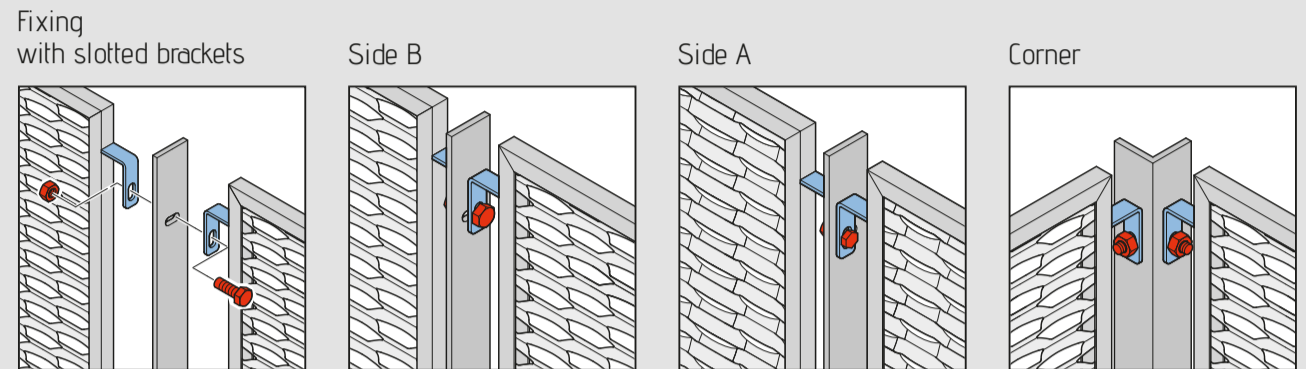


FILS 21
MESH
PANEL SYSTEM
RAPIDO

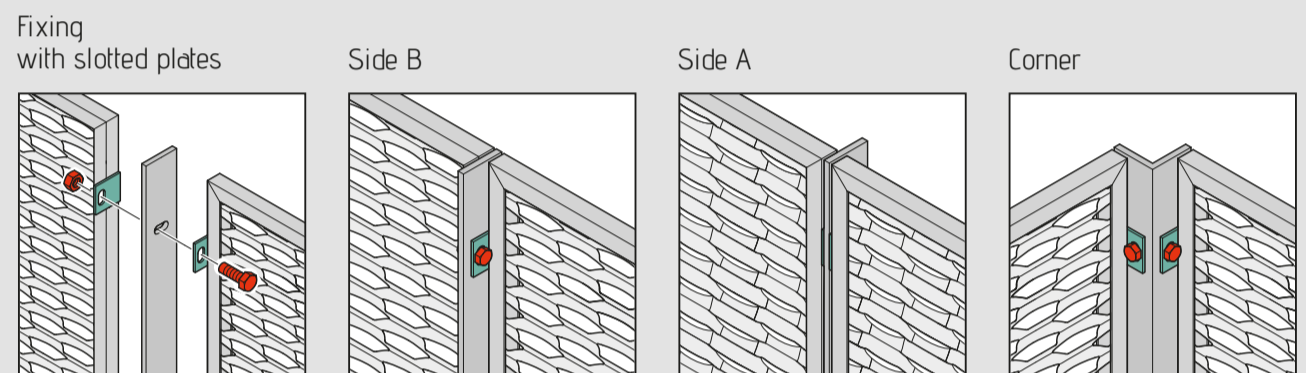
TECHNICAL SHEETS FOR THE 3 FIXING SYSTEMS

ESPERIA MESH

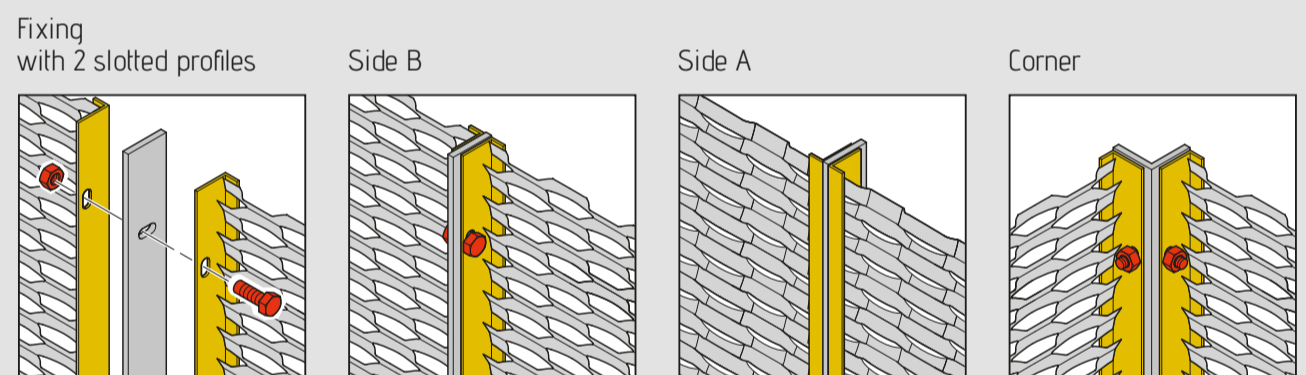
SYSTEM **B**
BASE



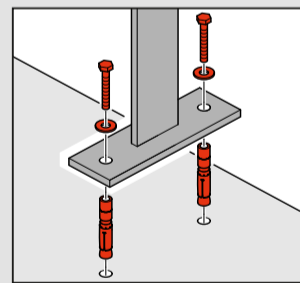
SYSTEM **C**
COMPATTO



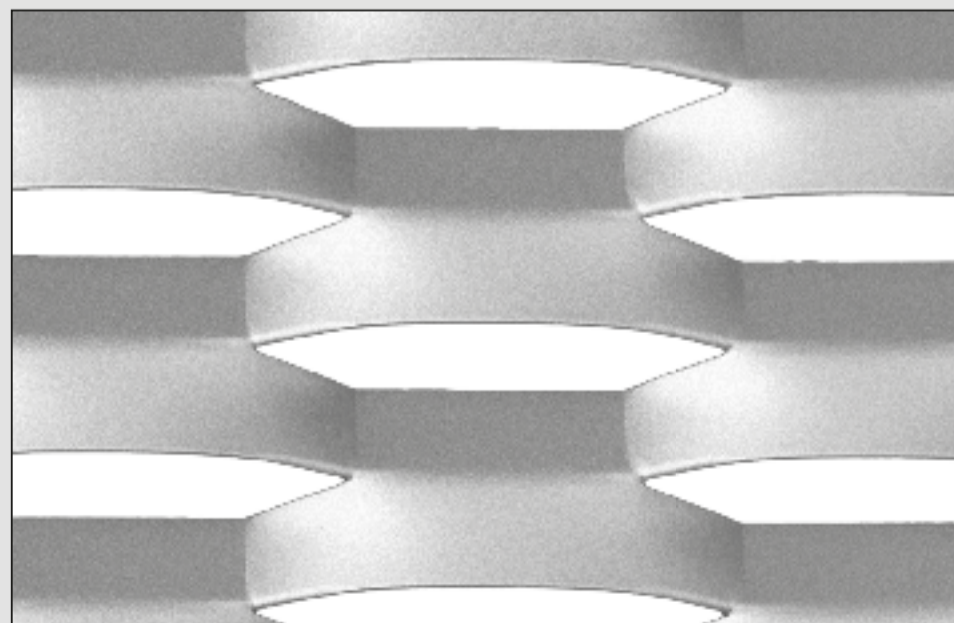
SYSTEM **R**
RAPIDO



Screw plugs for anchoring



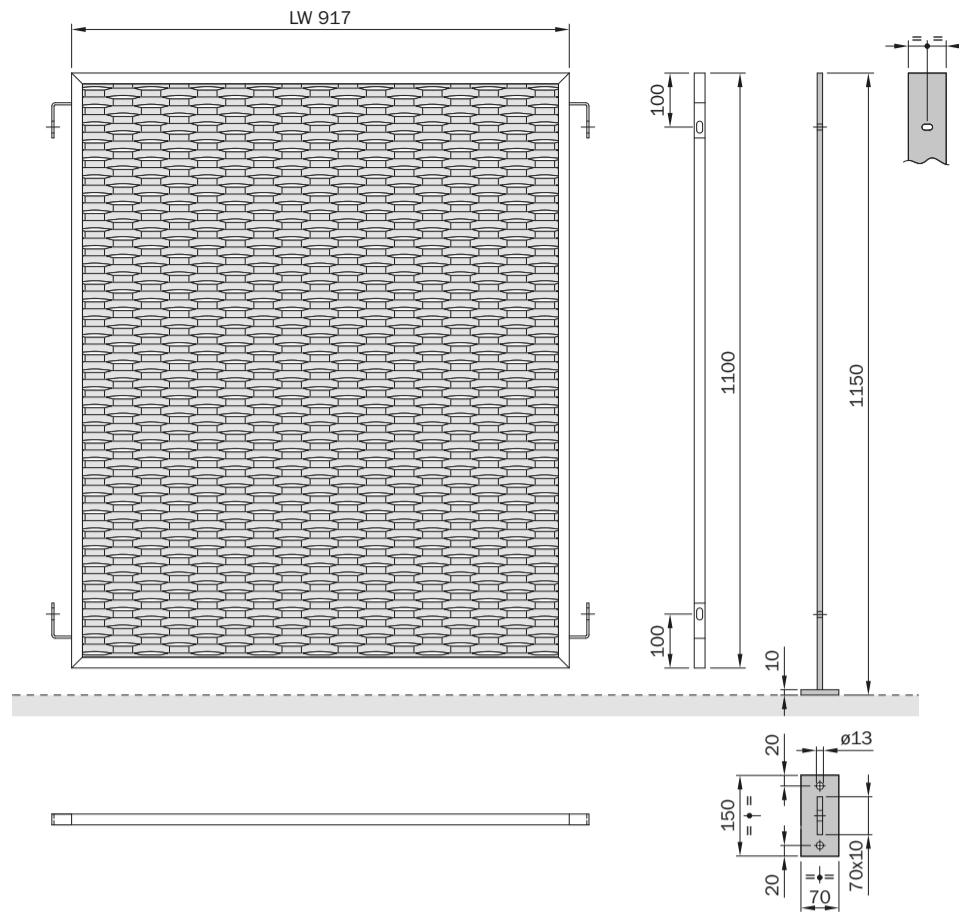
Panels also available, on request, to finish corners and flank gates.



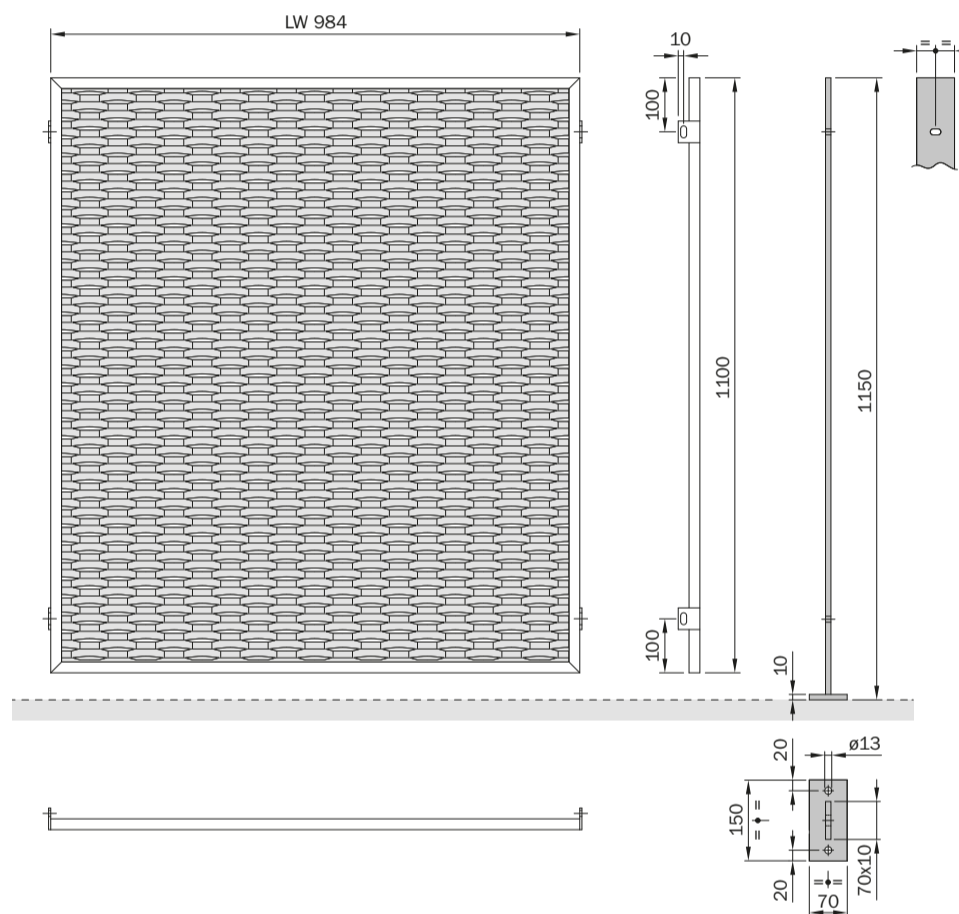
ESPERIA mesh
LW 100 x SW 40 (34)[^] - w 15 x t 20 mm
([^] actual SW) - actual mesh size

TECHNICAL DETAILS OF THE PANELS

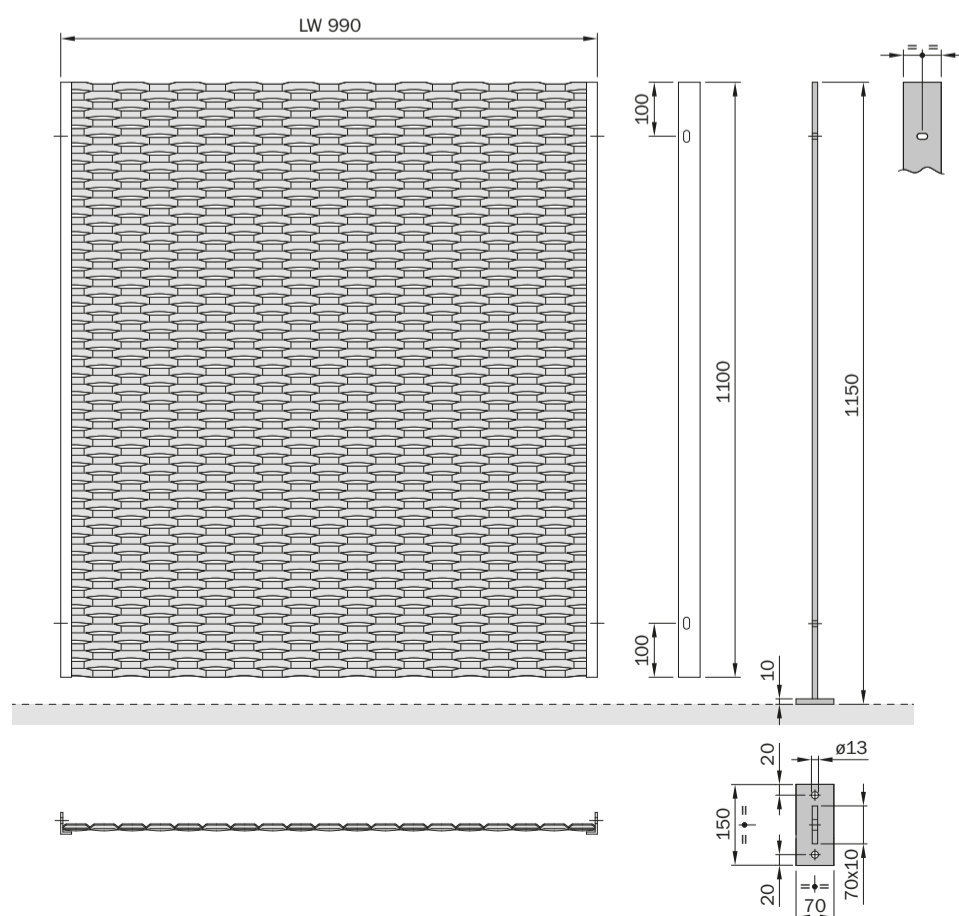
Each panel is supplied with standard dimensions and with the fixing elements fitted as described in the following drawings. The posts are also supplied together with these panels, as are the fixing nuts and bolts.



ESPERIA
MESH
PANEL SYSTEM
BASE



ESPERIA
MESH
PANEL SYSTEM
COMPATTO



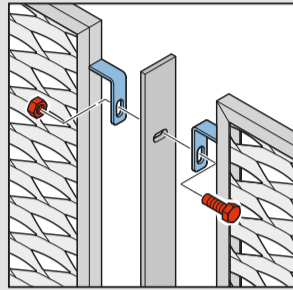
ESPERIA
MESH
PANEL SYSTEM
RAPIDO

TECHNICAL SHEETS FOR THE 3 FIXING SYSTEMS

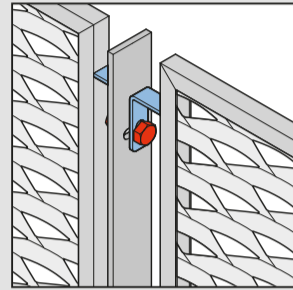
AMBASCIATA MESH

SYSTEM **B**
BASE

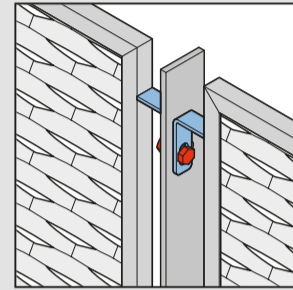
Fixing
with slotted brackets



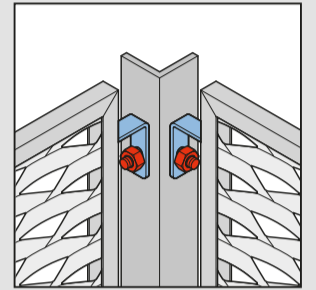
Side B



Side A

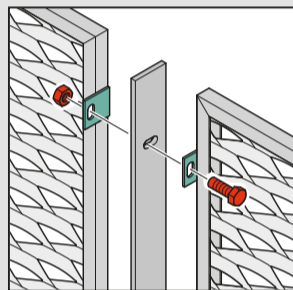


Corner

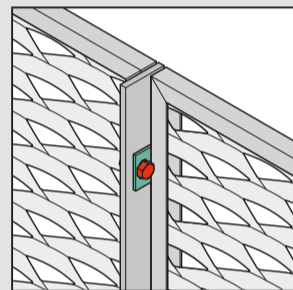


SYSTEM **C**
COMPATTO

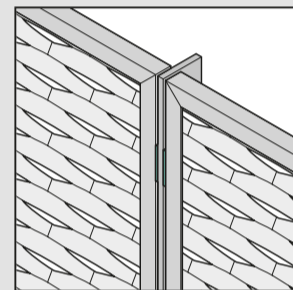
Fixing
with slotted plates



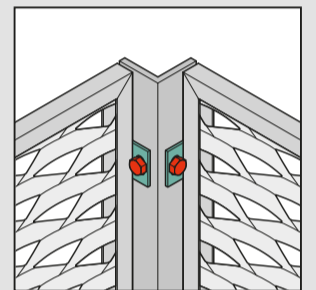
Side B



Side A

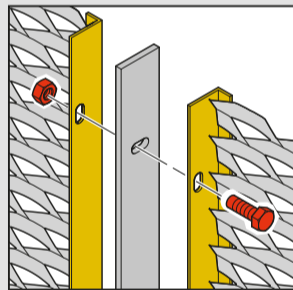


Corner

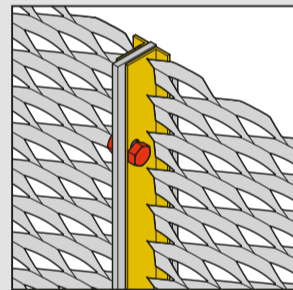


SYSTEM **R**
RAPIDO

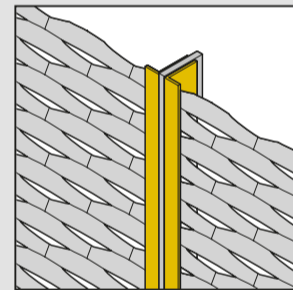
Fixing
with 2 slotted profiles



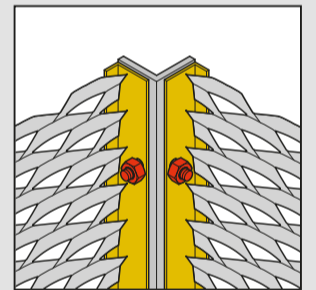
Side B



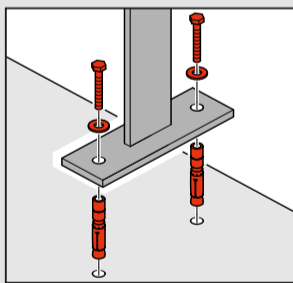
Side A



Corner

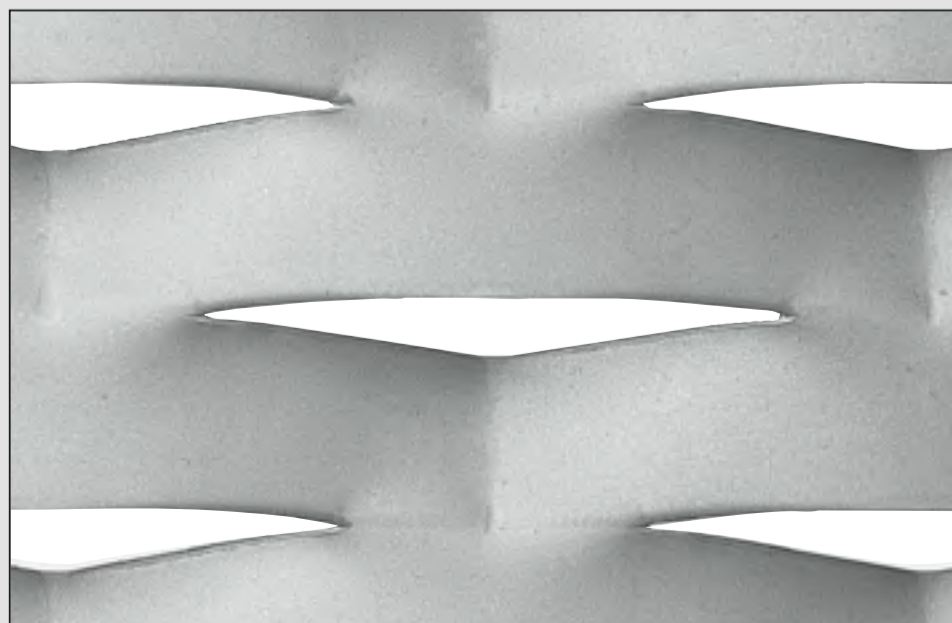


Screw plugs for
anchoring



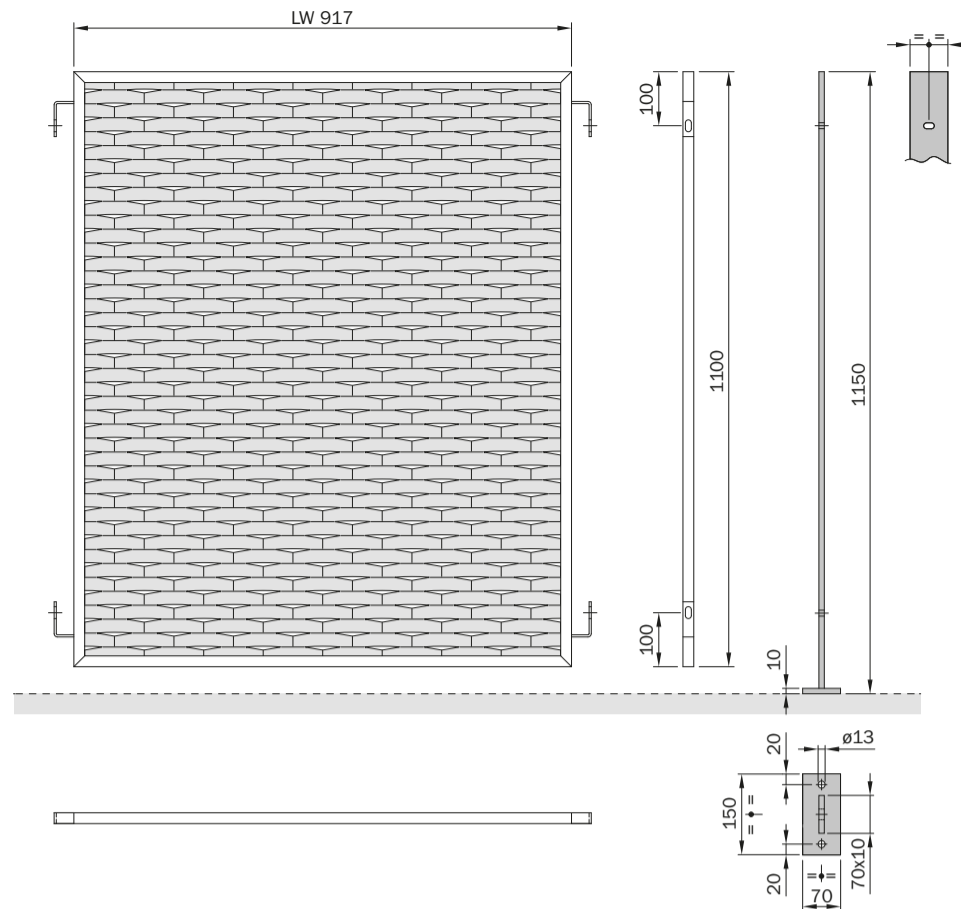
Panels also available, on request,
to finish corners and flank gates.

AMBASCIATA mesh
LW 110 x SW 40 (52)[▲] - w 24 x t 20 mm
([▲] actual SW) - actual mesh size

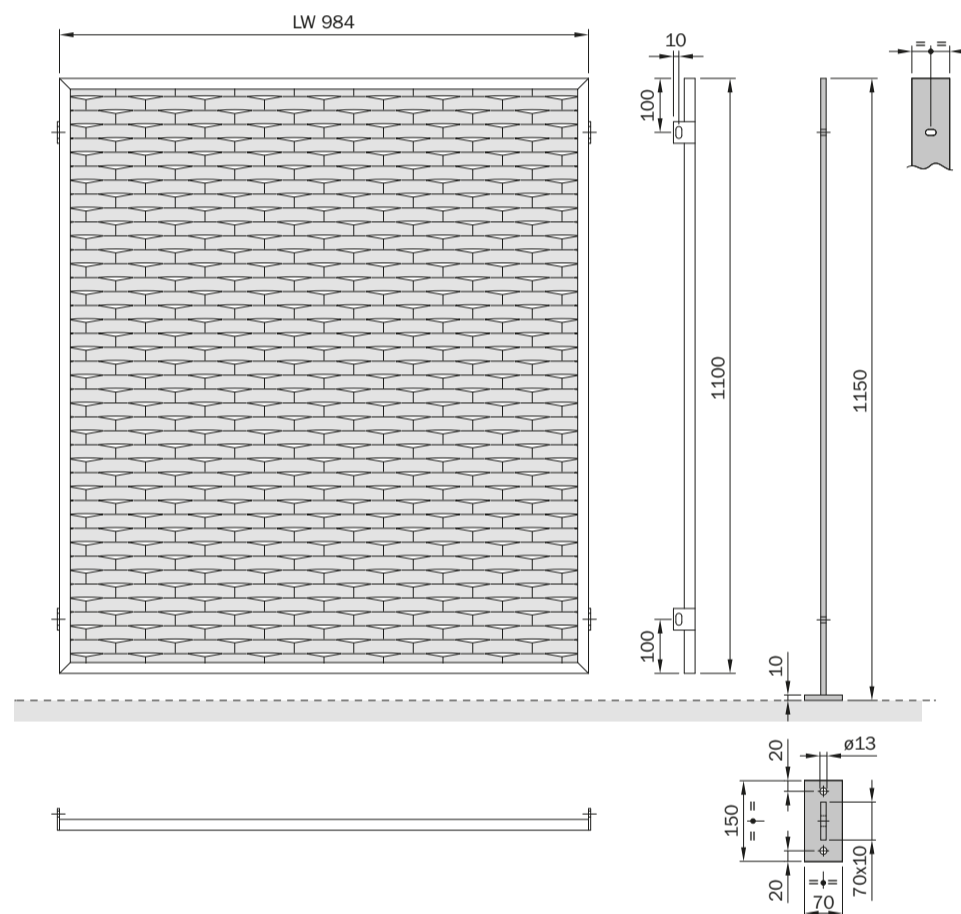


TECHNICAL DETAILS OF THE PANELS

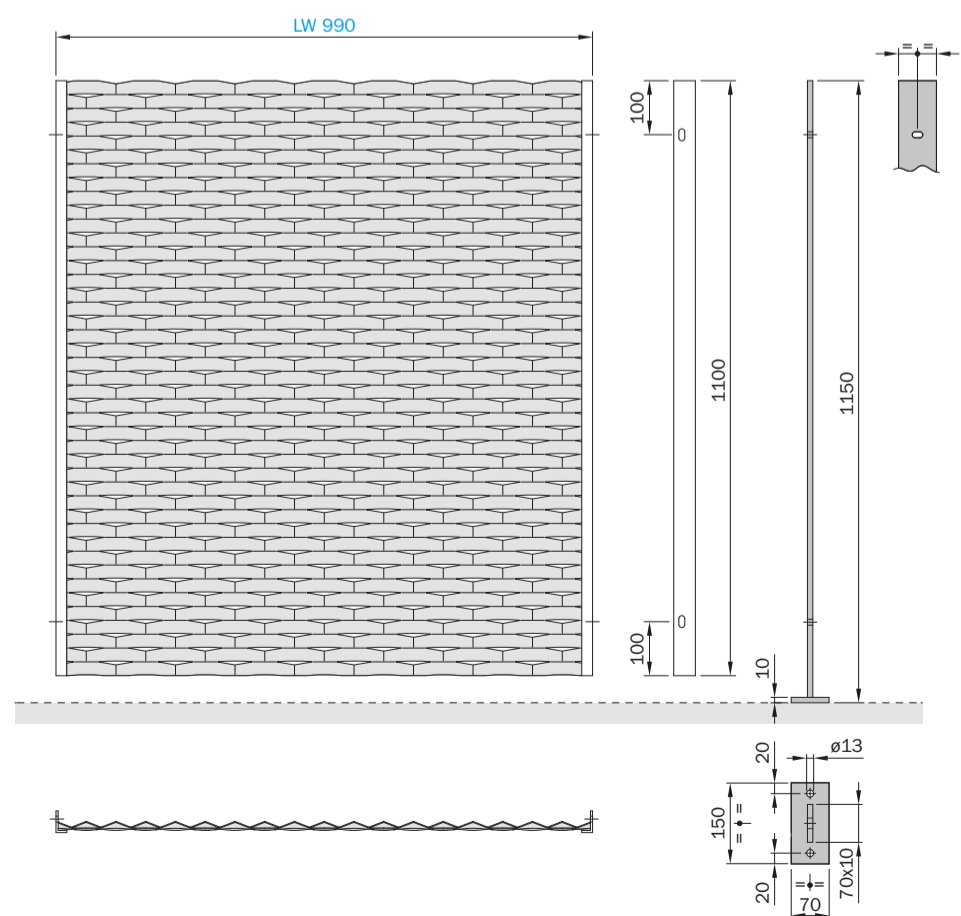
Each panel is supplied with standard dimensions and with the fixing elements fitted as described in the following drawings. The posts are also supplied together with these panels, as are the fixing nuts and bolts.



AMBASCIATA
MESH
PANEL SYSTEM
BASE



AMBASCIATA
MESH
PANEL SYSTEM
COMPATTO



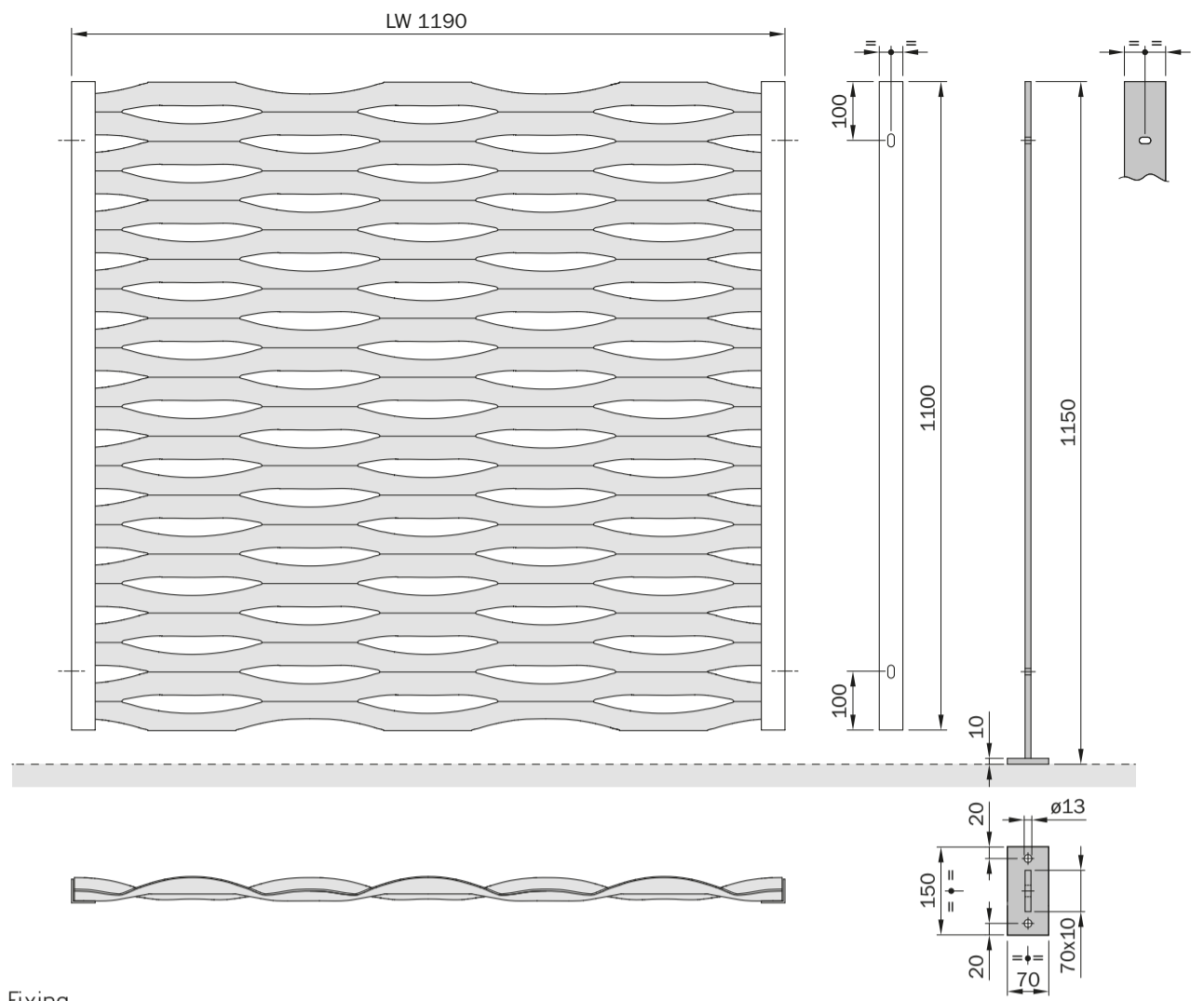
AMBASCIATA
MESH
PANEL SYSTEM
RAPIDO

TECHNICAL SHEET

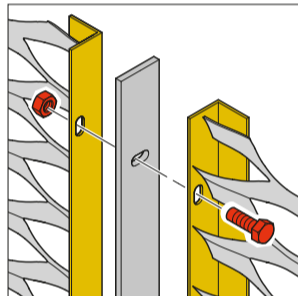
LUNA 400
MESH

PANEL SYSTEM
RAPIDO

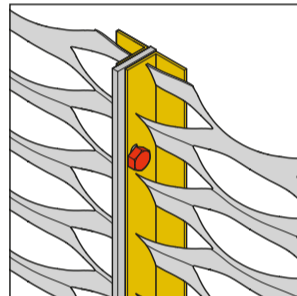
SYSTEM **R**
RAPIDO



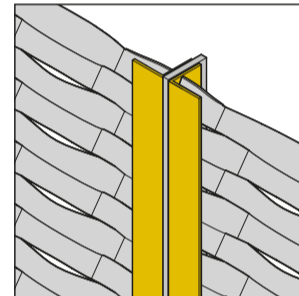
Fixing
with 2 slotted profiles



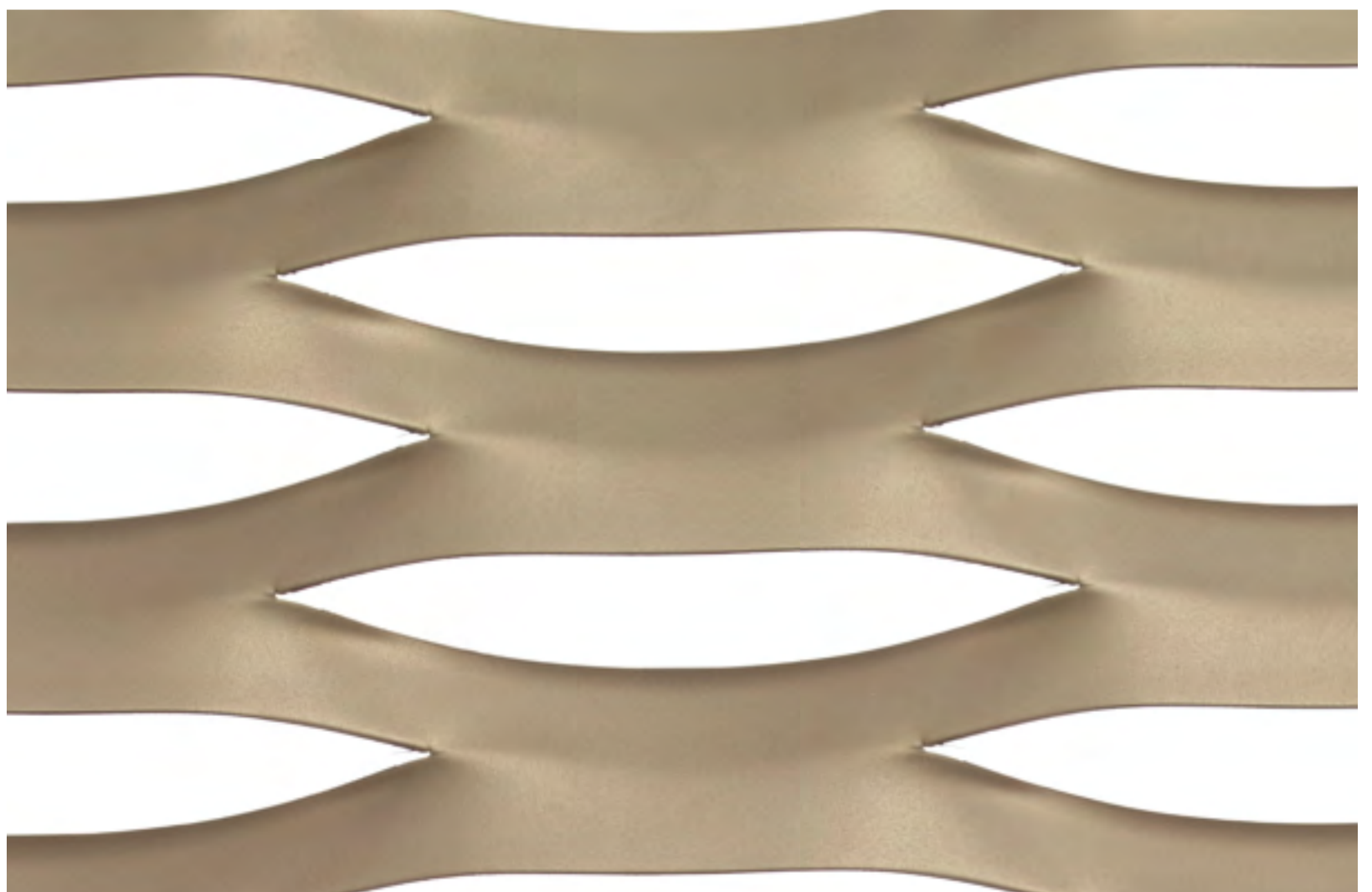
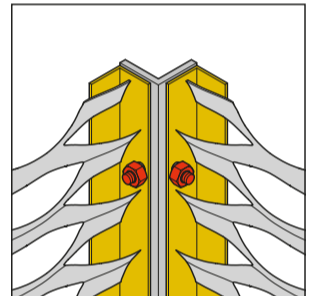
Side B



Side A



Corner



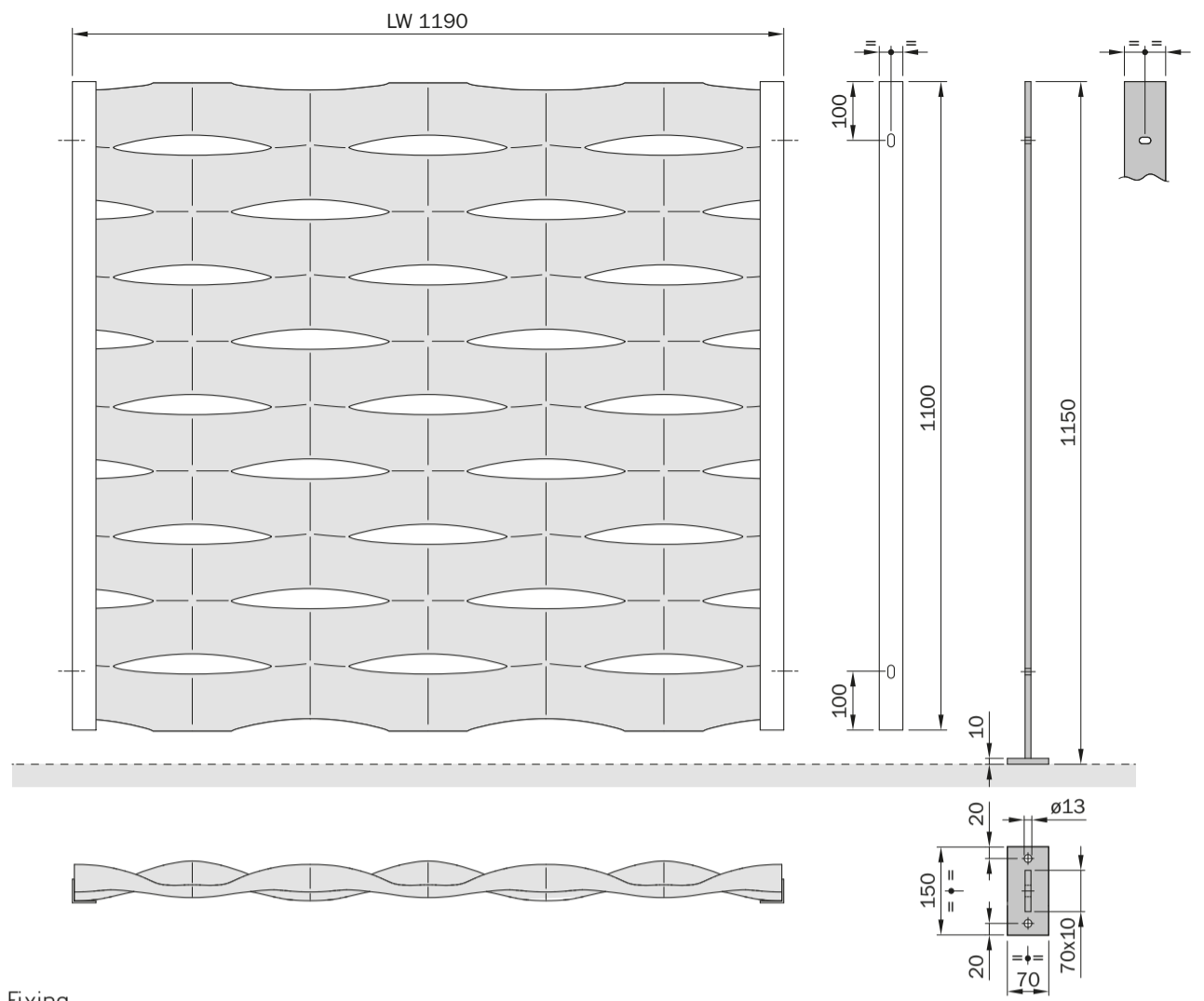
LUNA 400 mesh
LW 400 x SW 140 (100)[▲] - w 40 x t 20 mm
([▲] actual SW) - Mesh shown in scale 1:50

TECHNICAL SHEET

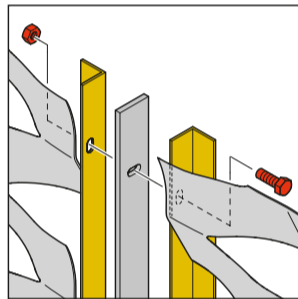
LUNA 400/1
MESH

PANEL SYSTEM
RAPIDO

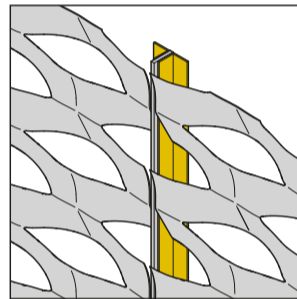
SYSTEM **R**
RAPIDO



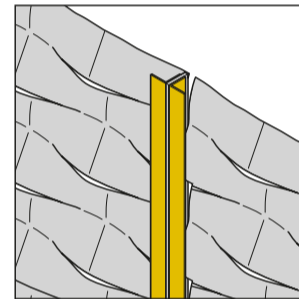
Fixing
with 2 slotted profiles



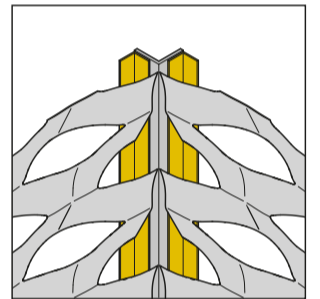
Side B



Side A



Corner



LUNA 400/1 mesh
LW 400 x SW 140 (220)[▲] - w 100 x t 2.0 mm
([▲] actual SW) - Mesh shown in scale 1: 50

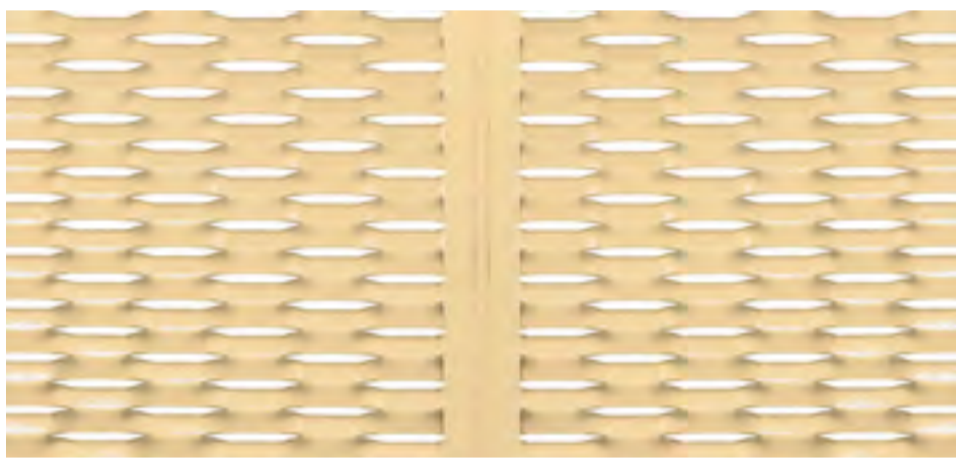
COLOUR FINISHES

Aluminium expanded metal fencing can be supplied:

- Unfinished (to be treated)
- Coated with polyester powder exterior paint in all RAL table colours



RAL 9002



RAL 1014

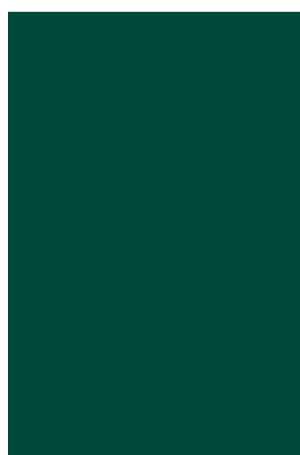


RAL 6021

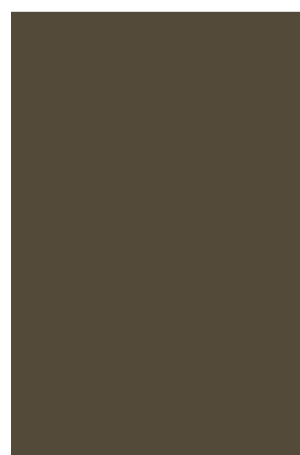
The examples show ESPERIA mesh



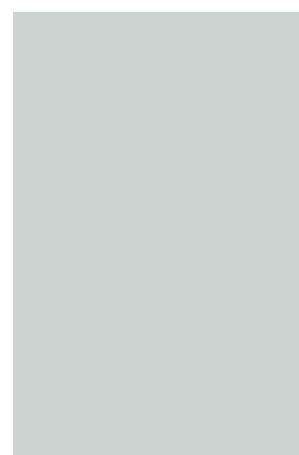
RAL 5010



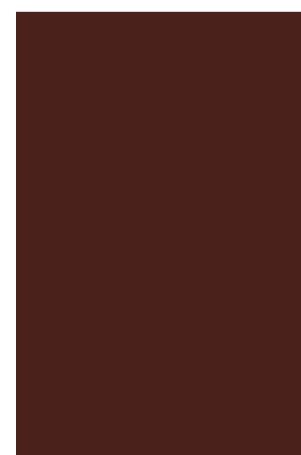
RAL 6005



RAL 7013



RAL 7035



RAL 8016

RAL table colours most frequently used

FIXING POST



SPECIAL ANTI-THEFT BOLT
M8 x 25 mm bolt and nut
AISI 304 steel step



STANDARD BOLT
M10 x 25 mm bolt
AISI 304 steel step



Aluminium post
for all fencing
BASE SYSTEM
COMPATTO SYSTEM
RAPIDO SYSTEM



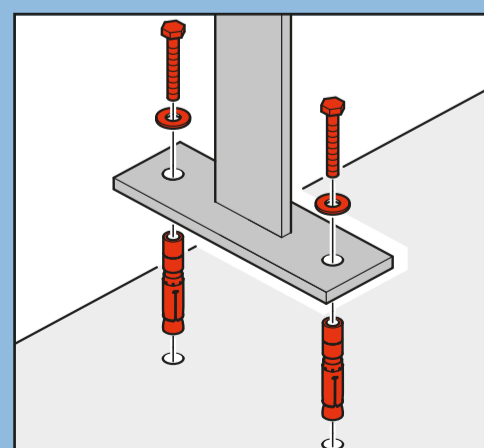
BASE SYSTEM fixing system



COMPATTO SYSTEM fixing system



RAPIDO SYSTEM fixing system



Anchoring
using screw plugs

ALUMINIUM BASE System

ALUMINIUM COMPATTO System

ALUMINIUM RAPIDO System