



KUNSPORT



KONSPOORT,

the manufacturer of the fence systems, has been present in the market for over 20 years.

Our registered seat is situated in the centre of Poland, i.e. in Lutomiersk near Łódź.

Thanks to our long experience in manufacturing and assembling the fence systems, we enjoy the opinion of valuable, reliable contractor among our customers.

Every stage of fence manufacture complies with strict quality requirements, so that they meet the strictest standards and customer's expectations. Our superior quality was confirmed by the Oce of Technical Inspection as it awarded us ISO 9001 certificate, thanks to the certificate our products have long-term guarantee and maintenance.

We have been improving and implementing innovative fence systems for many years now, they are registered as industrial property what makes us very interesting and exceptional partner. Moreover, we provide our customers with professional assembling teams that fix any fences quickly and professionally upon customer's request.

Thanks to the Road and Bridge Research Institute Approval, KONSPOORT is one of very few companies which products are used in protecting road and rail infrastructure.

2 CHAIN-LINK FENCE

8 PALE FENCE

22 PALISADE FENCES

36 WELDED PANELS

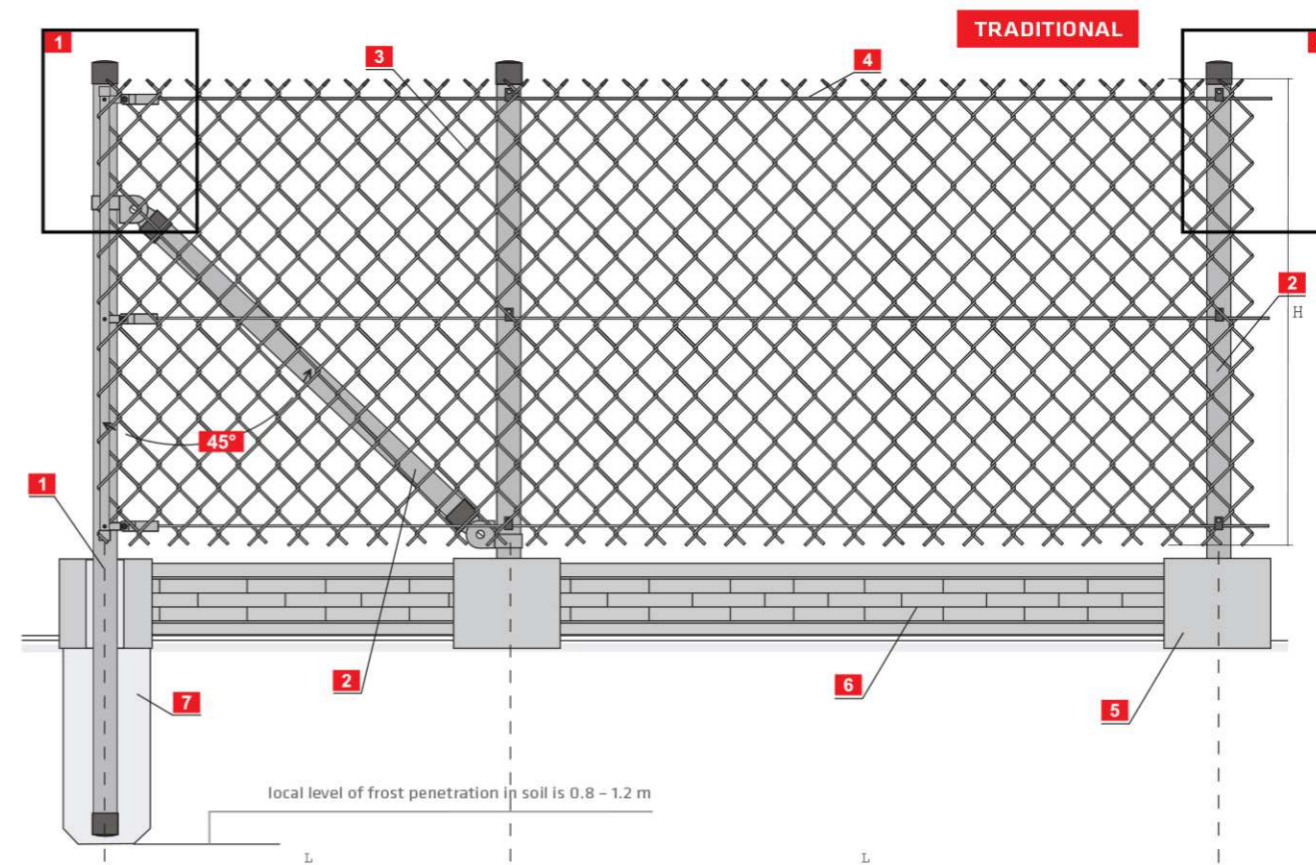
48 FENCE MADE OF $\text{R}60$ mm PROFILES

54 PALISADE POSTS

58 FENCES FOR ROAD AND RAIL INFRASTRUCTURE

A photograph of a chain-link fence in a park. The fence is made of silver metal and runs diagonally across the frame. To the left of the fence is a reddish-brown dirt path. To the right is a green grassy area. In the background, there are green trees and a blue sky with some clouds. A red rectangular box is overlaid on the left side of the image, containing the text 'CHAIN-LINK FENCE' in white, bold, uppercase letters.

**CHAIN-LINK
FENCE**



GENERAL SYSTEM DESCRIPTION

System advantages

- Low price
- Functional and easy to assemble
- Solid and aesthetic
- Abundant sizes and options
- Durable

System application

- Industrial fences
- Residential and recreation premises
- Sports facilities, parks and gardens
- Warehouses, storehouses, transport terminals
- Military and airport area

The system includes:

- Mesh woven of steel wire coated with plastic with standard mesh size (59x59mm) in dark green
- Posts made of plastic-coated steel tubes with diameter of 45mm
- Concrete components made of precast concrete units and fasteners
- Accessories making assembly easier

Standard sizes

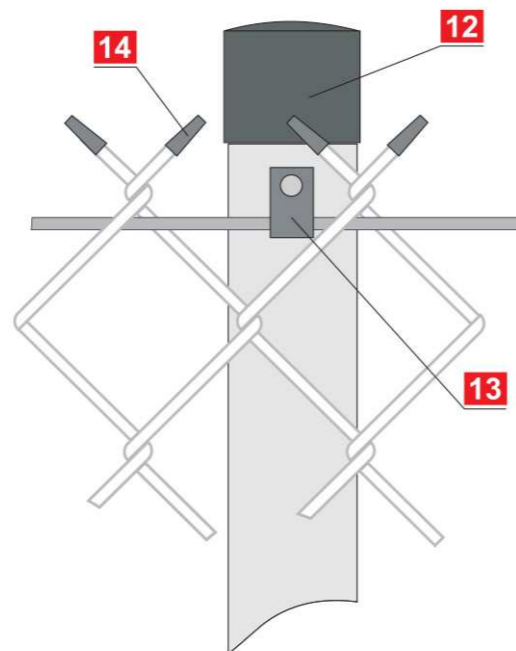
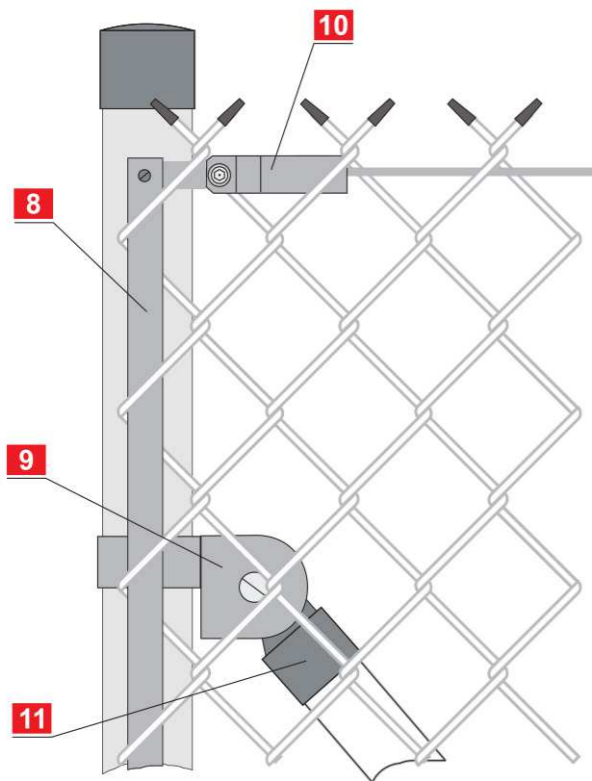
- L = 1,250 mm
- L = 2,500 mm
- H = 1,500 mm

- 1 End post
- 2 Intermediate rail
- 3 Wire mesh
- 4 Tension wire
- 5 Concrete fastener
- 6 Reinforced slab
- 7 Concrete

TRADITIONAL

1

2

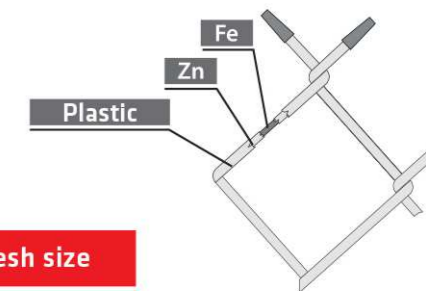


- 8 Fixing flat bar
- 9 Clamp for support
- 10 Wire tensioner
- 11 Support post cap
- 12 Post cap
- 13 Holding clamp
- 14 Cap protecting against corrosion

Mesh is attached to end post by galvanized and coated flat bar. Support post is ended with a special plastic cap. It is attached to end (or corner) post by a clamp. Mesh is additionally protected by caps attached to upper mesh ends.

CONCRETE COMPONENTS >>> HOW TO MAKE CONCRETE COMPONENTS IS DESCRIBED ON PAGE >>> 12

CHAIN-LINK FENCE



We manufacture chain-link fence in the following options

Option	Ø/Ø ₂ *	2/3	2,5/3,5	2,8	Height (mm)	Colour	Mesh size
Galvanized steel wire			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1,000 1,250	dark green	60 x 60 mm
Galvanized and coated steel wire		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1,500 1,800 2,000		59 x 59 mm

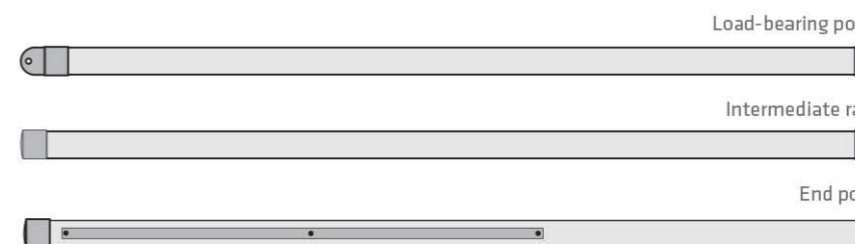
Posts with non-standard height are made to order as well

Ø - wire diameter
Ø - wire diameter when coated

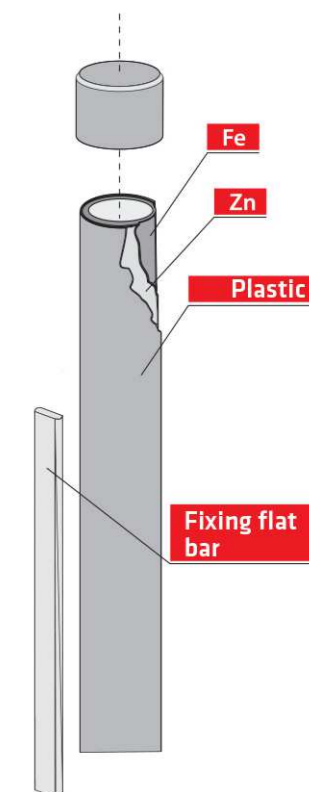
We manufacture posts in the following options

Option	Height (mm)	Colour	Mesh size
Galvanized steel tube	1,500 1,750	dark green	42.4 mm
Coated steel tube	2,000 2,200		(when coated)
Galvanized and coated steel tube	2,500		45 mm

Posts with non-standard height are made to order as well



POSTS



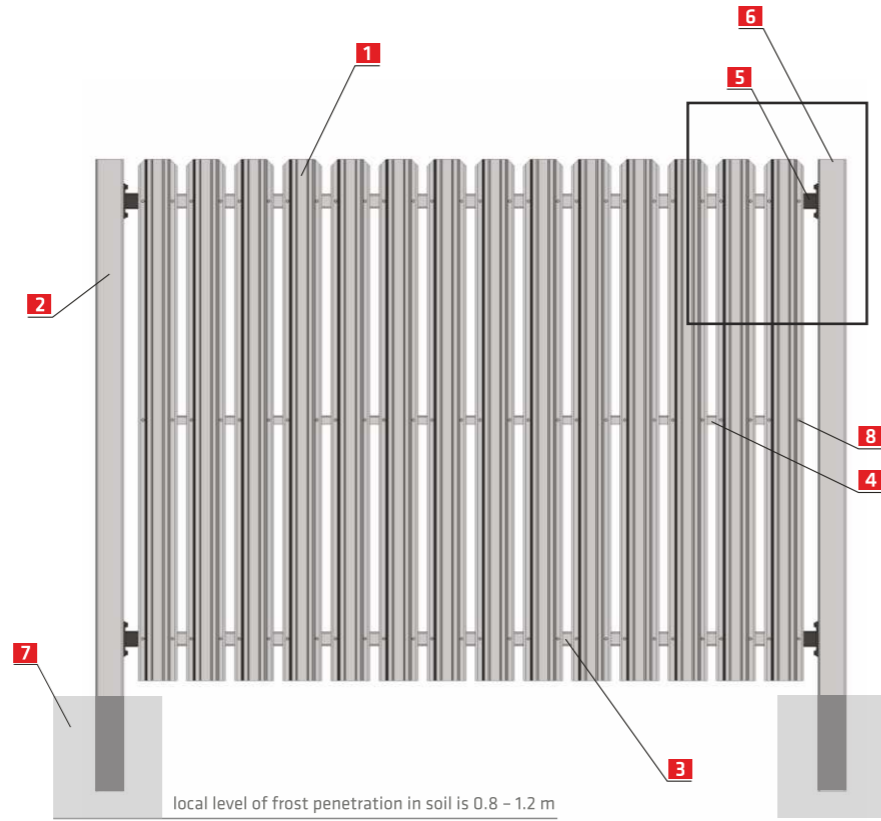


PALE FENCE



SYSTEM DESCRIPTION

- 1 Aluzinc pales
- 2 Post
- 3 40 x 30 mm section
- 4 25 x 25 mm channel section
- 5 Attaching component
- 6 Cap
- 7 Concrete
- 8 Rivet



SYSTEM ADVANTAGES

- ▶ Highly aesthetic
- ▶ Solid and durable
- ▶ Easy to assemble
- ▶ Abundant sizes and options

SYSTEM APPLICATION

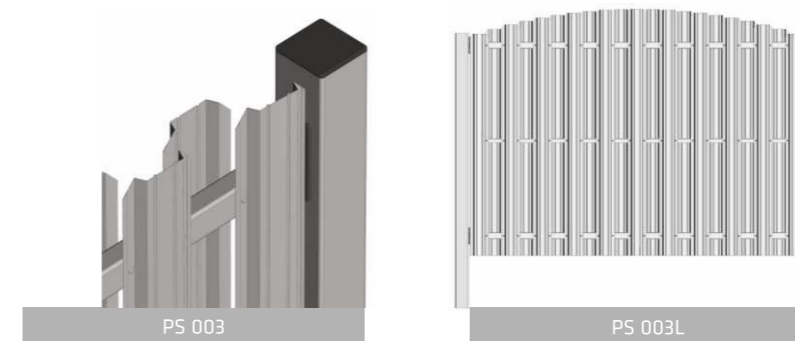
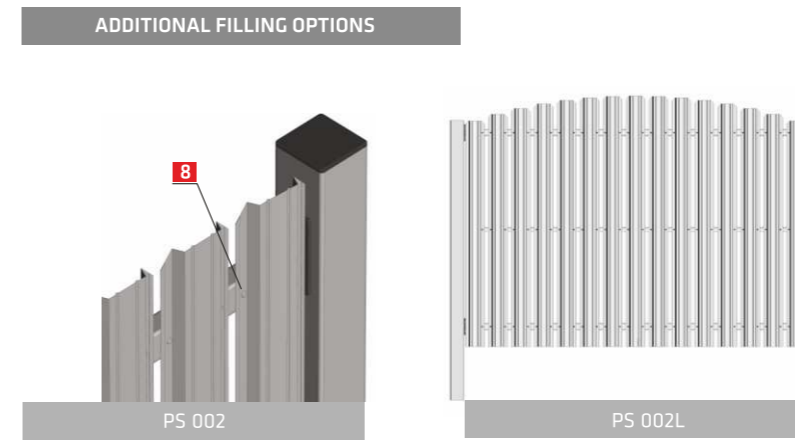
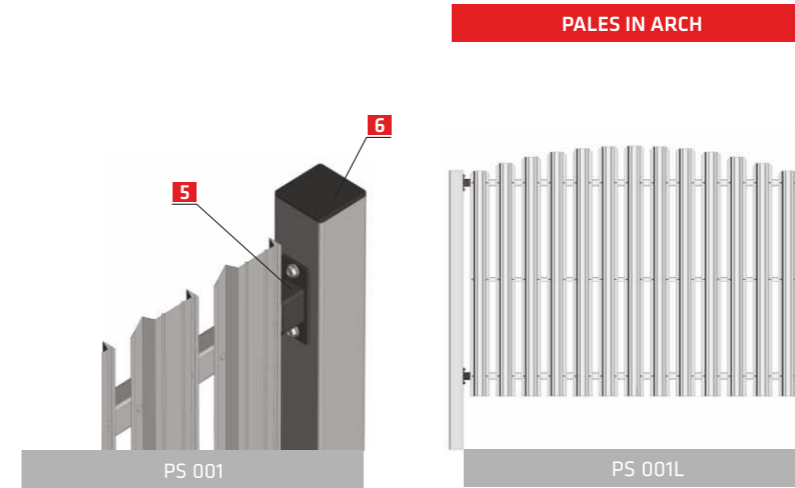
- ▶ Residential fences, housing estates
- ▶ Parks, gardens
- ▶ Inner partition, railings

Load-bearing structure:
 □ 40 x 30 mm section (steel, galvanized)
 □ 25 x 25 mm section (steel, galvanized)

Filling:
 □ Aluzinc pales

They are very sti and look good thanks to the specially profiled shape.

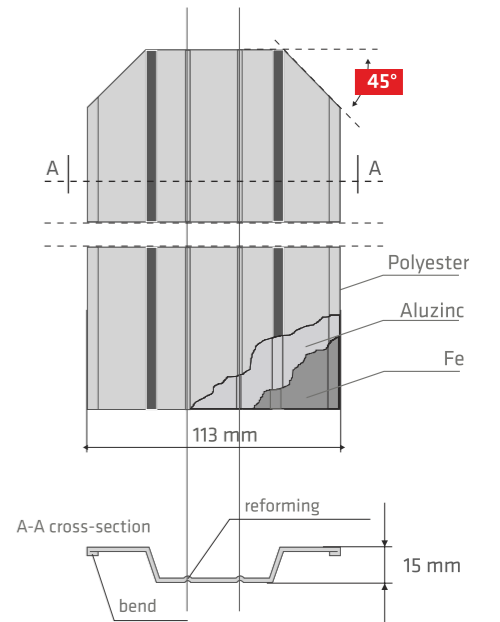
Additional corrosion protection is paint coating (powder coat) available in any RAL colour.



STANDARD PALES

sizes:
 width: 113 mm
 length: ordered by a customer

The pales are made of Aluzinc metal sheets. They are very sti and look good thanks to the specially profiled shape.

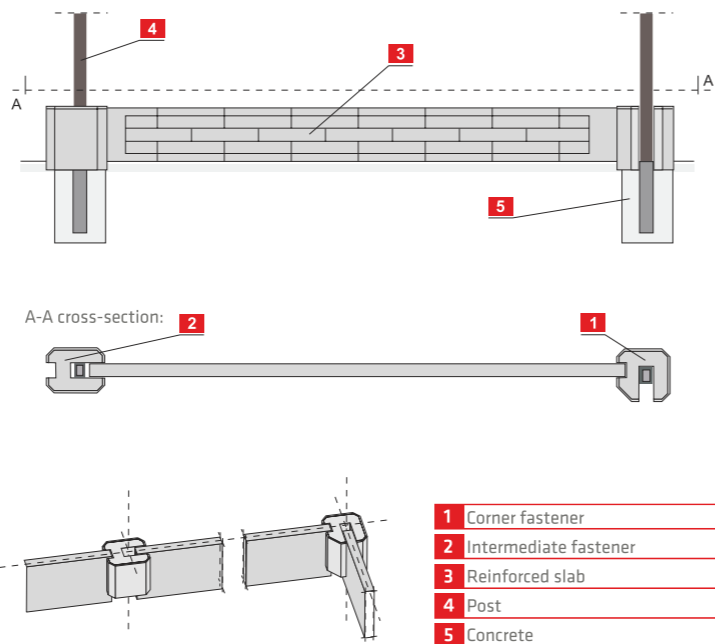


- Filling of pale span:
- traditional (PS 001)
 - traditional + arch (PS 001L)
 - spacing of pales ~ 20 - 45 mm**
 - dense (PS 002)
 - dense + arch (PS 002L)
 - spacing of pales ~ 5 - 20 mm**
 - two-sided (PS 003)
 - two-sided + arch (PS 003L)
 - spacing of pales ~ 60 - 90 mm**

ATTACHING CLAMP

Pales may be attached to steel or concrete posts by special clamps.

The concrete components include precast concrete units and fasteners.

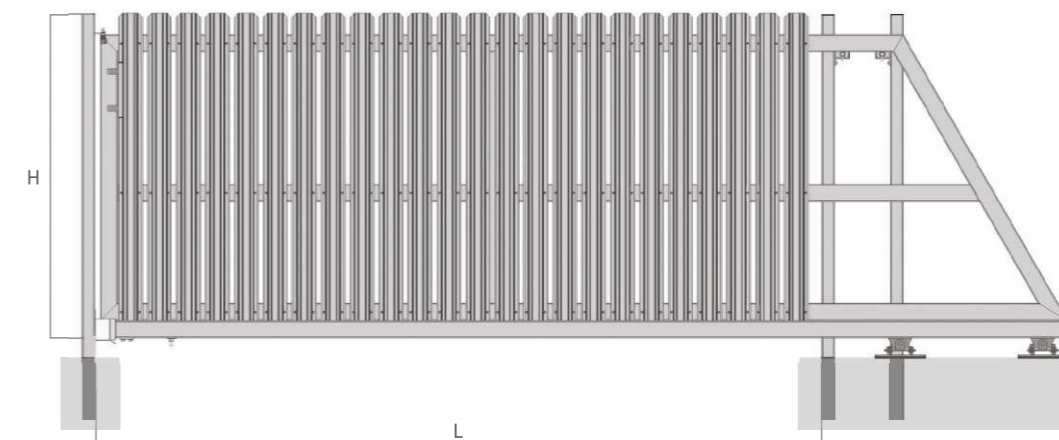


- 1 Corner fastener
- 2 Intermediate fastener
- 3 Reinforced slab
- 4 Post
- 5 Concrete

Assembly to concrete posts by rawplugs.

Assembly to steel posts by self-tapping screws.



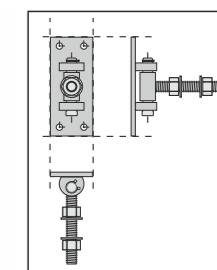
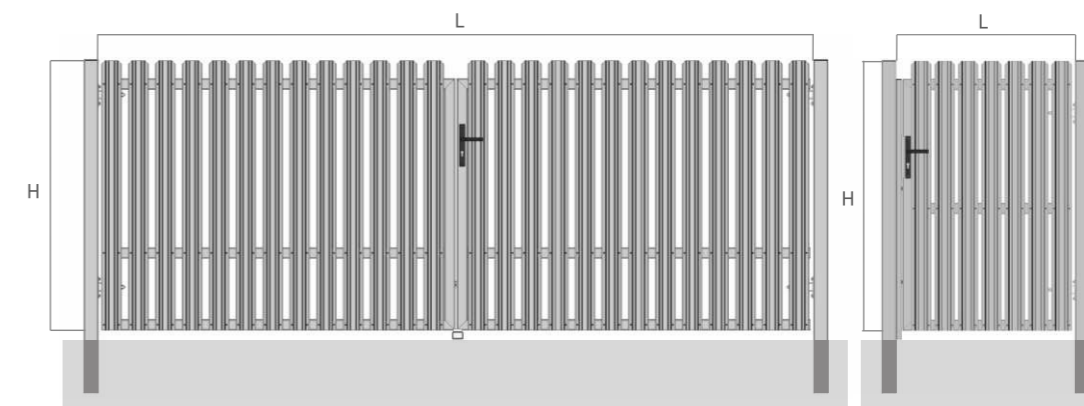


SELF-SUPPORTING GATES

Standard sizes:

L = 3,500 and 4,000 mm

H = 1,500 mm



CORROSION PROTECTION

Aluzinc is the alloy of aluminium (55%), zinc (43.4%) and silicon (1.6%). Such composition provides the exceptional corrosion resistant properties by the combination of sacrificial protection offered by zinc with the passivation corrosion characteristics of the aluminium in the alloy. Metal sheets are coated by zinc in electroplating process similar to hot-dip galvanizing. Aluzinc complies with the strictest resistance requirements for atmospheric corrosion and corrosion in wet environment. It is mainly used to manufacture roofing.

Find out more at the website: www.Aluzinc.pl

MOBILE GATES
WICKET GATES

standard sizes:

L = 4,000 mm

H = 1,500 mm

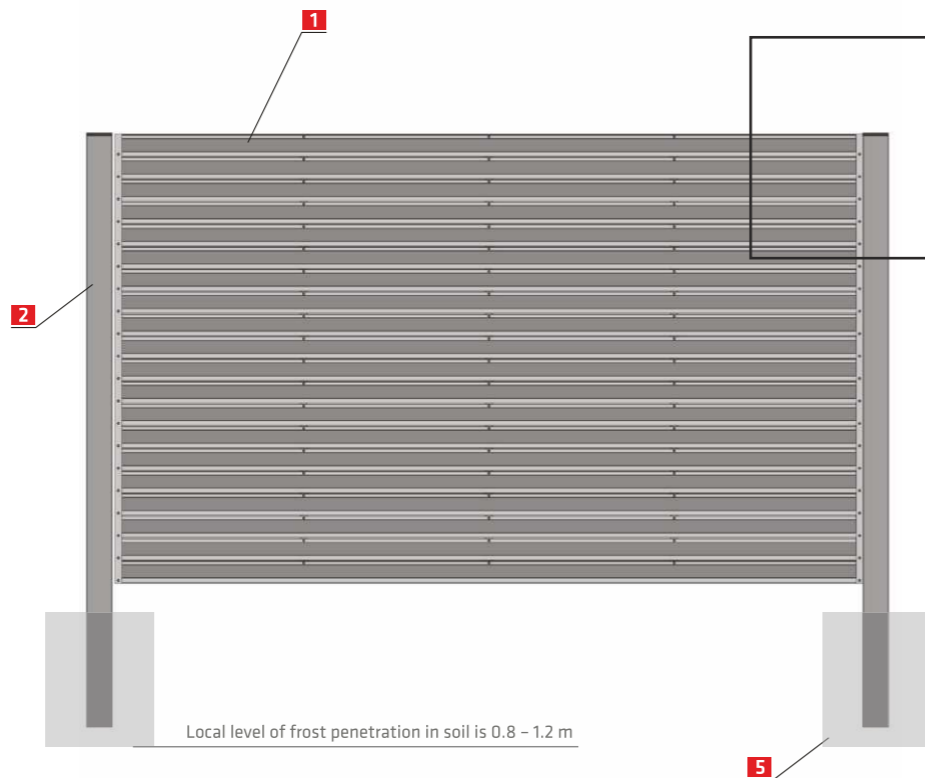
Standard sizes:

L = 1,000 mm

H = 1,500 mm

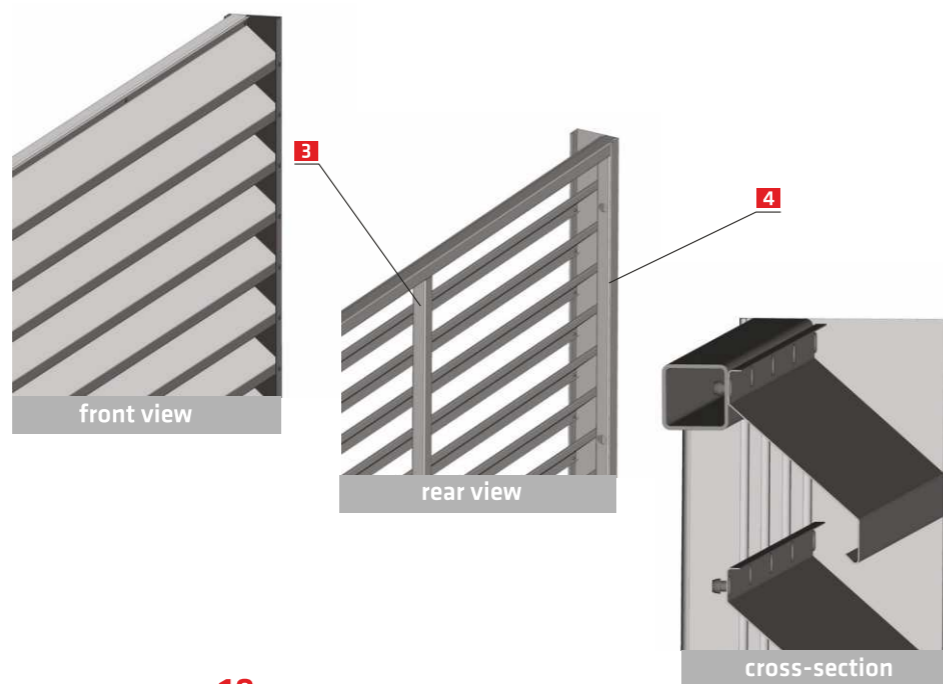


SHUTTER



SYSTEM DESCRIPTION

1	Aluzinc pales
2	Post
3	25 x 25 mm section
4	Attaching strip
5	Concrete



Load-bearing structure:
25 x 25 mm section (steel, galvanized)

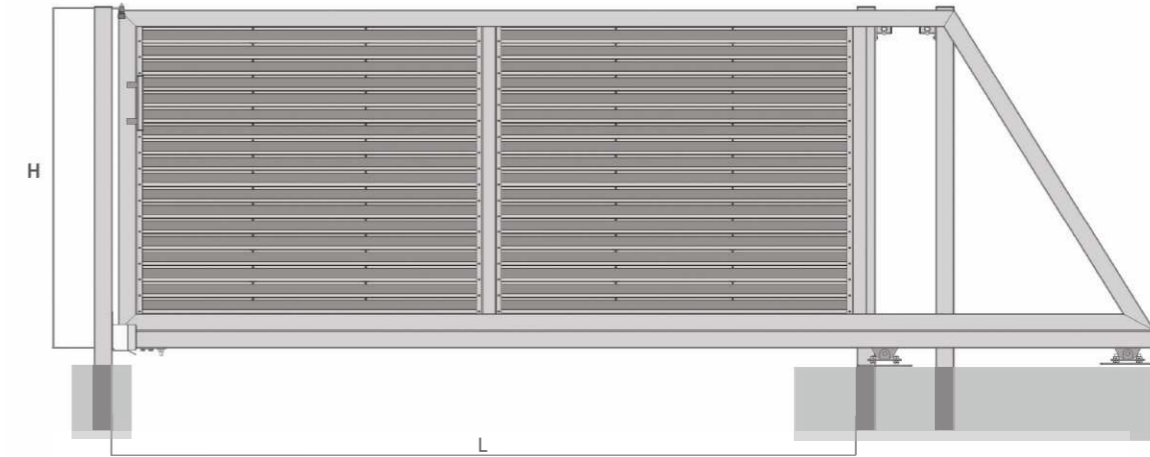
Filling:
Aluzinc pales

They are very sti and look good thanks to the specially profiled shape.

Additional corrosion protection is paint coating (powder coat) available in any RAL colour.

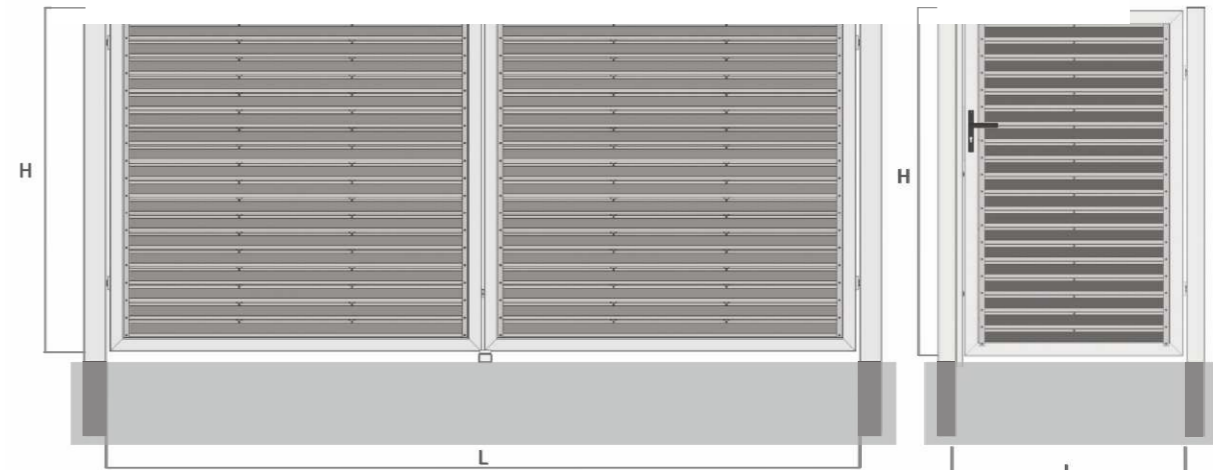


SHUTTER



MOBILE GATES

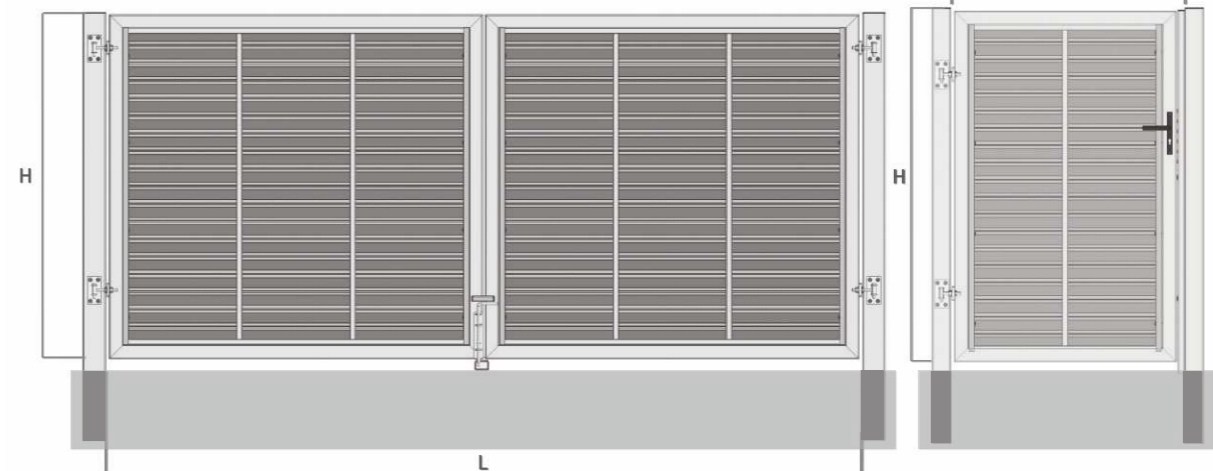
Standard sizes:
 L = 3,500 mm and 4,000 mm
 H = 1,500 mm



FRONT

MOBILE GATES
 WICKET GATES

Standard sizes:
 L = 4,000 mm
 H = 1,500 mm

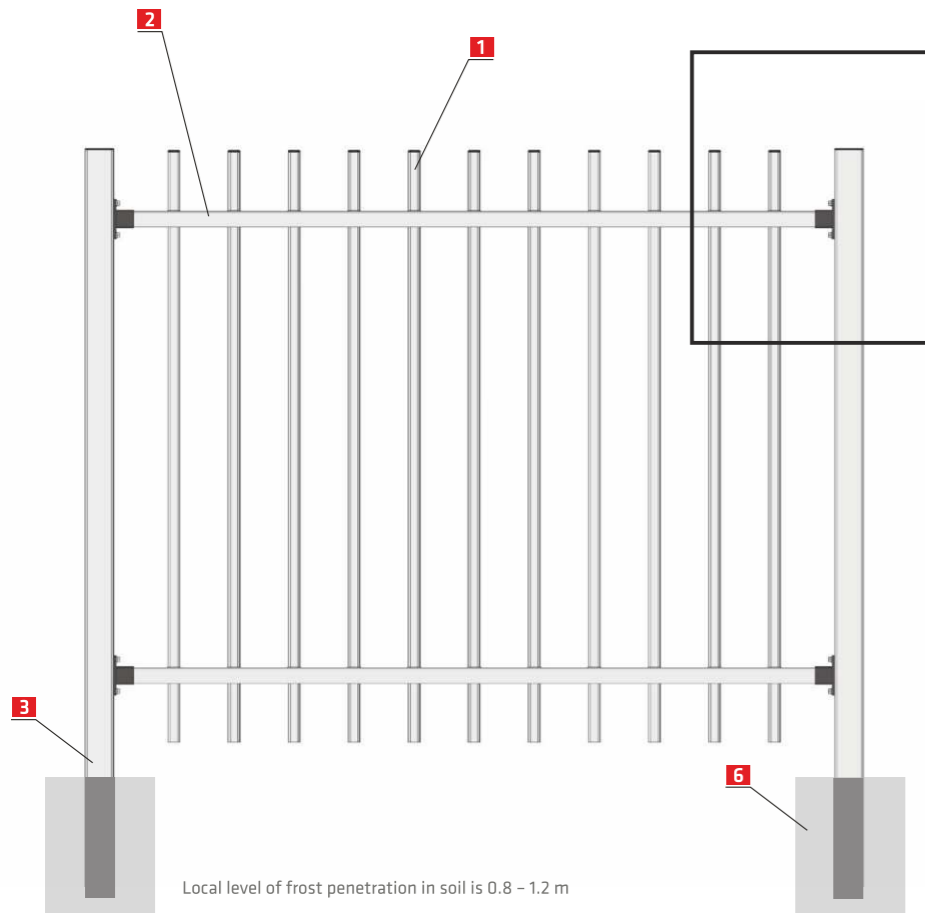


BACK



**PALISADE
FENCES**

LIGHT



Local level of frost penetration in soil is 0.8 - 1.2 m

Load-bearing structure:

▣ 25 x 25 mm section (steel, galvanized)

Filling:

▣ 25 x 25 mm section (steel, galvanized)

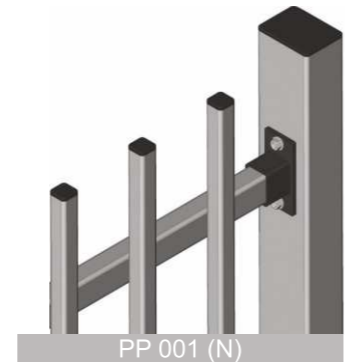
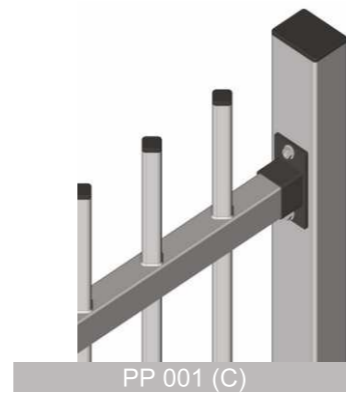
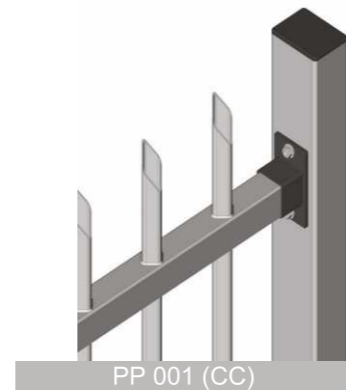
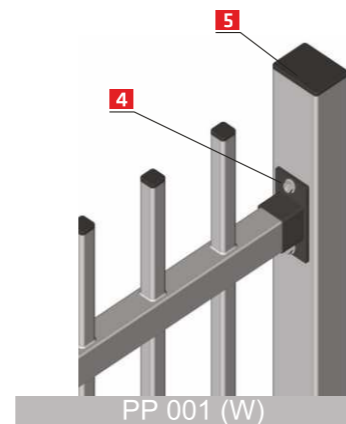
Additional corrosion protection is paint coating (powder coat) available in any RAL colour.

Filling of a pale span:

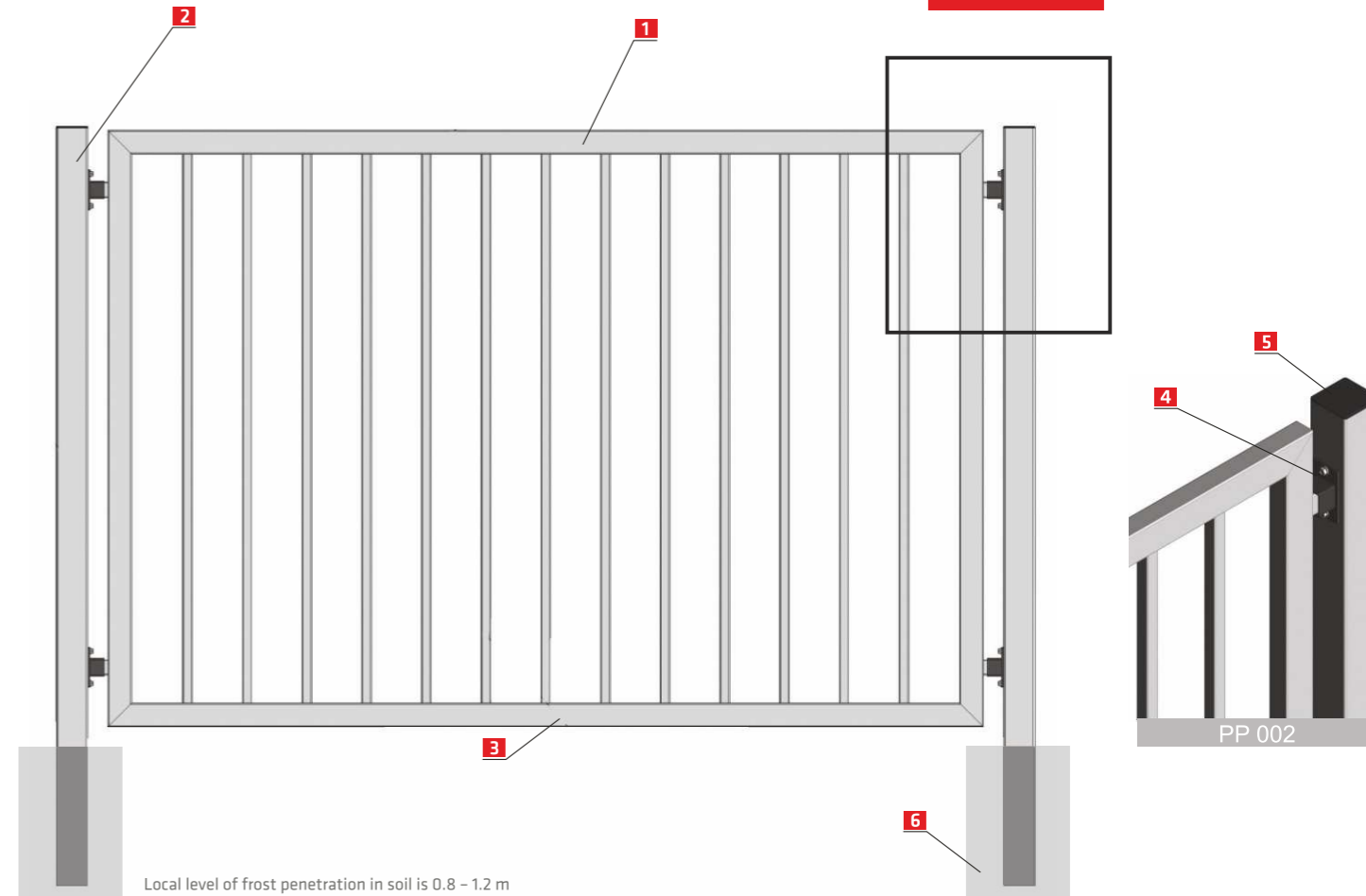
- ▣ Traditional (PS 001 W)
- ▣ Caro "cut" (PP 001 CC)
- ▣ Caro (PP001 C)
- ▣ Outside pale (PP 001 N)

SYSTEM DESCRIPTION

1	25 x 25 mm Section
2	25 x 25 mm Channel section
3	Post
4	Attaching component
5	Cap
6	Concrete



HEAVY



Local level of frost penetration in soil is 0.8 - 1.2 m

Load-bearing structure:

60 x 40 mm section (steel, galvanized)

Filling:

25 x 25 mm section (steel, galvanized)

Additional corrosion protection is paint coating (powder coat) available in any RAL colour.

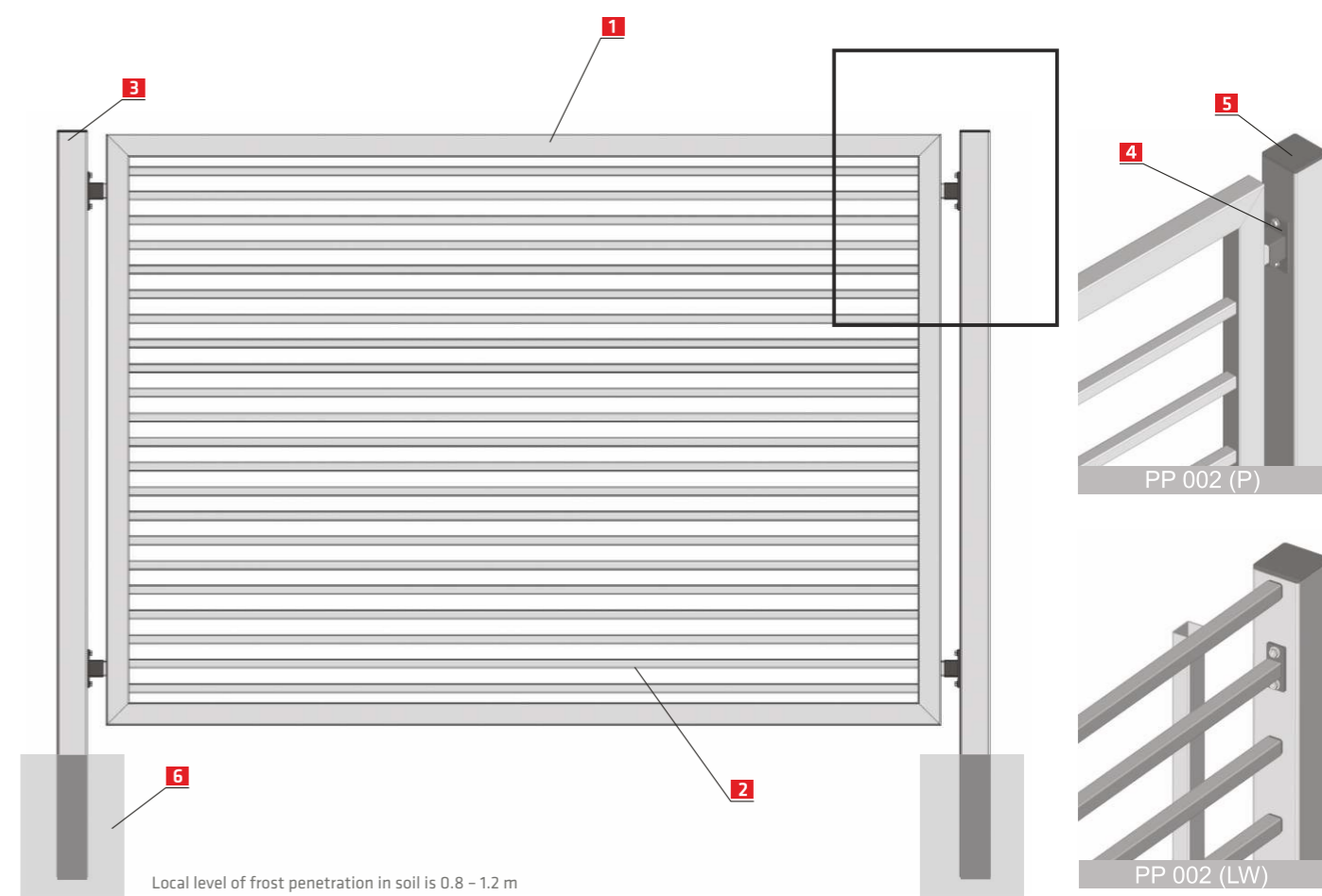
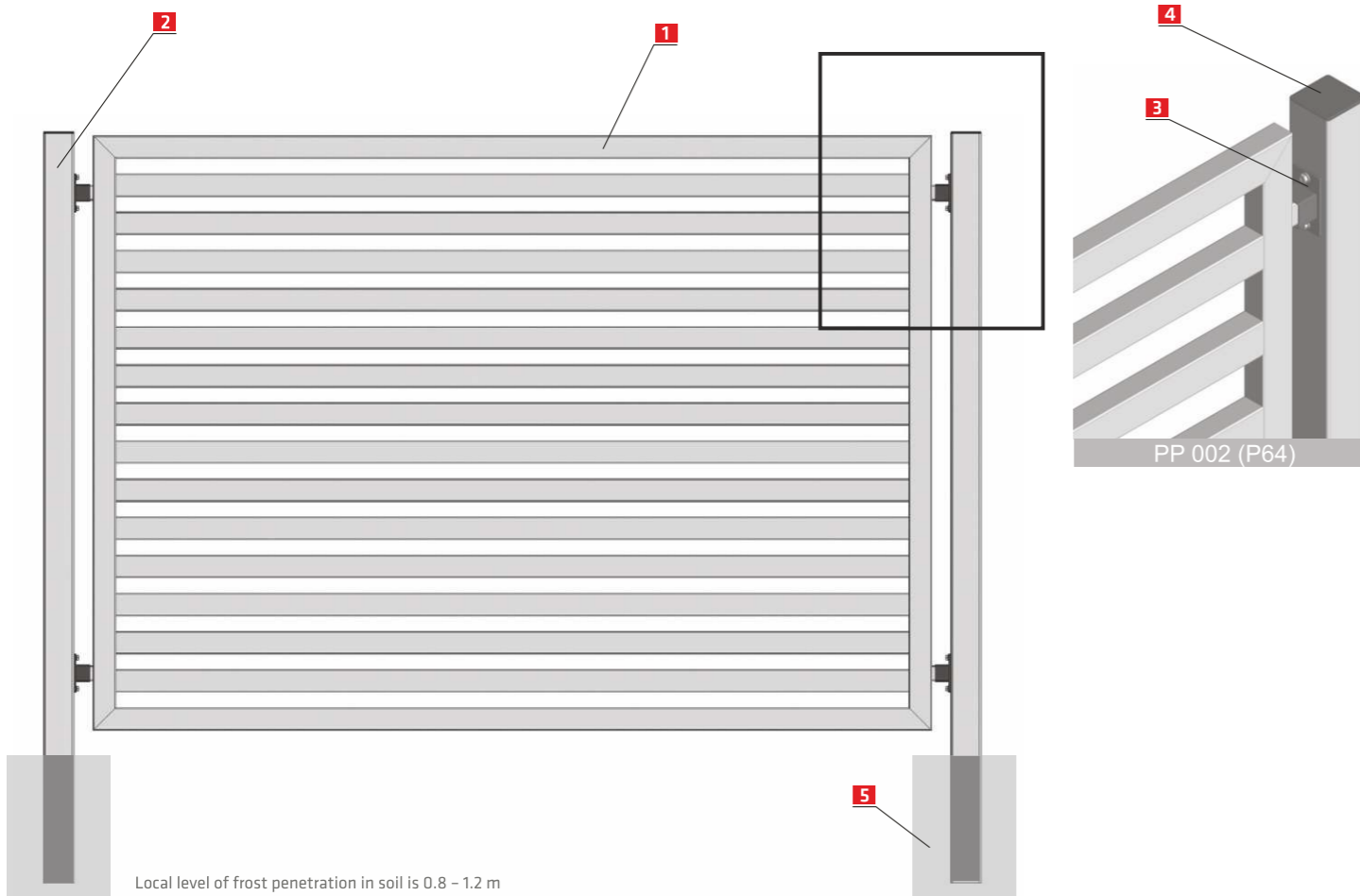
SYSTEM DESCRIPTION

1	60 x 40 mm section
2	Post
3	25 x 25 mm section
4	Attaching component
5	Cap
6	Concrete



HEAVY HORIZONTAL

LIGHT HORIZONTAL



Load-bearing structure and filling:
 □ 60 x 40 mm section

Span is made of GALFAN metal sheet.

Additional corrosion protection is paint coating (powder coat) available in any RAL colour.

SYSTEM DESCRIPTION

1	60 x 40 mm section
2	Post
3	Attaching component
4	Cap
5	Concrete

Load-bearing structure:
 □ 60 x 40 mm Section (steel, galvanized)

Filling:
 □ 25 x 25 mm Section (steel, galvanized)

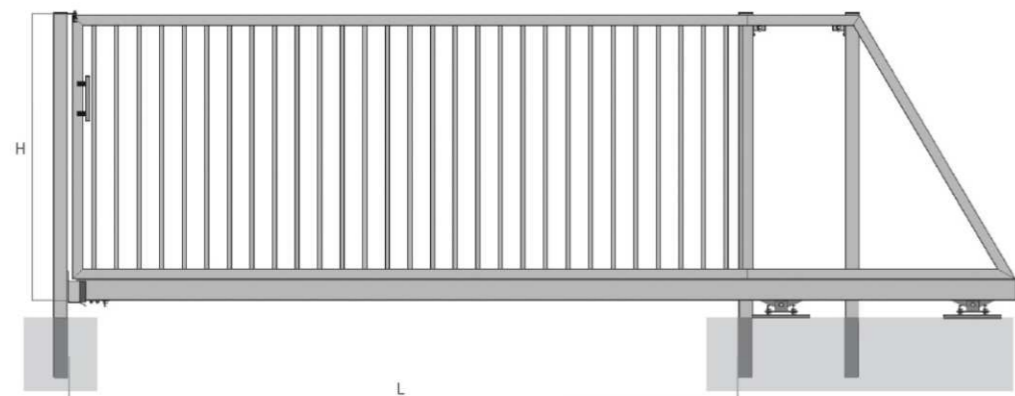
Additional corrosion protection is paint coating (powder coat) available in any RAL colour.

SYSTEM DESCRIPTION

1	60 x 40 mm section
2	25 x 25 mm channel section
3	Post
4	Attaching component
5	Cap
6	Concrete

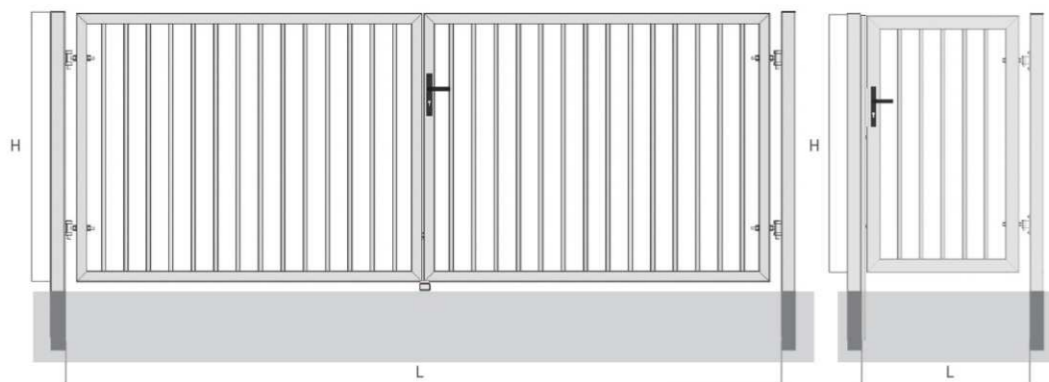
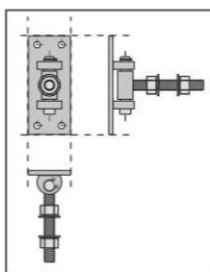
CONCRETE COMPONENTS >>> HOW TO MAKE CONCRETE COMPONENTS IS DESCRIBED ON PAGE >>> 12

GATES AND WICKET GATES



SELF-SUPPORTING GATES

Standard sizes:
 L = 3,500 and 4,000 mm
 H = 1,500 mm

MOBILE GATES
WICKET GATES

Standard sizes:
 L = 4,000 mm
 H = 1,500 mm

Standard sizes:
 L = 1,000 mm
 H = 1,500 mm

All gates and wickets are equipped in adjustable galvanized hinges allowing for easy assembling and adjusting them during operation.

Gates and wicket gates with non-standard sizes are made to order. Filling of gates and wicket gates is available at any option.

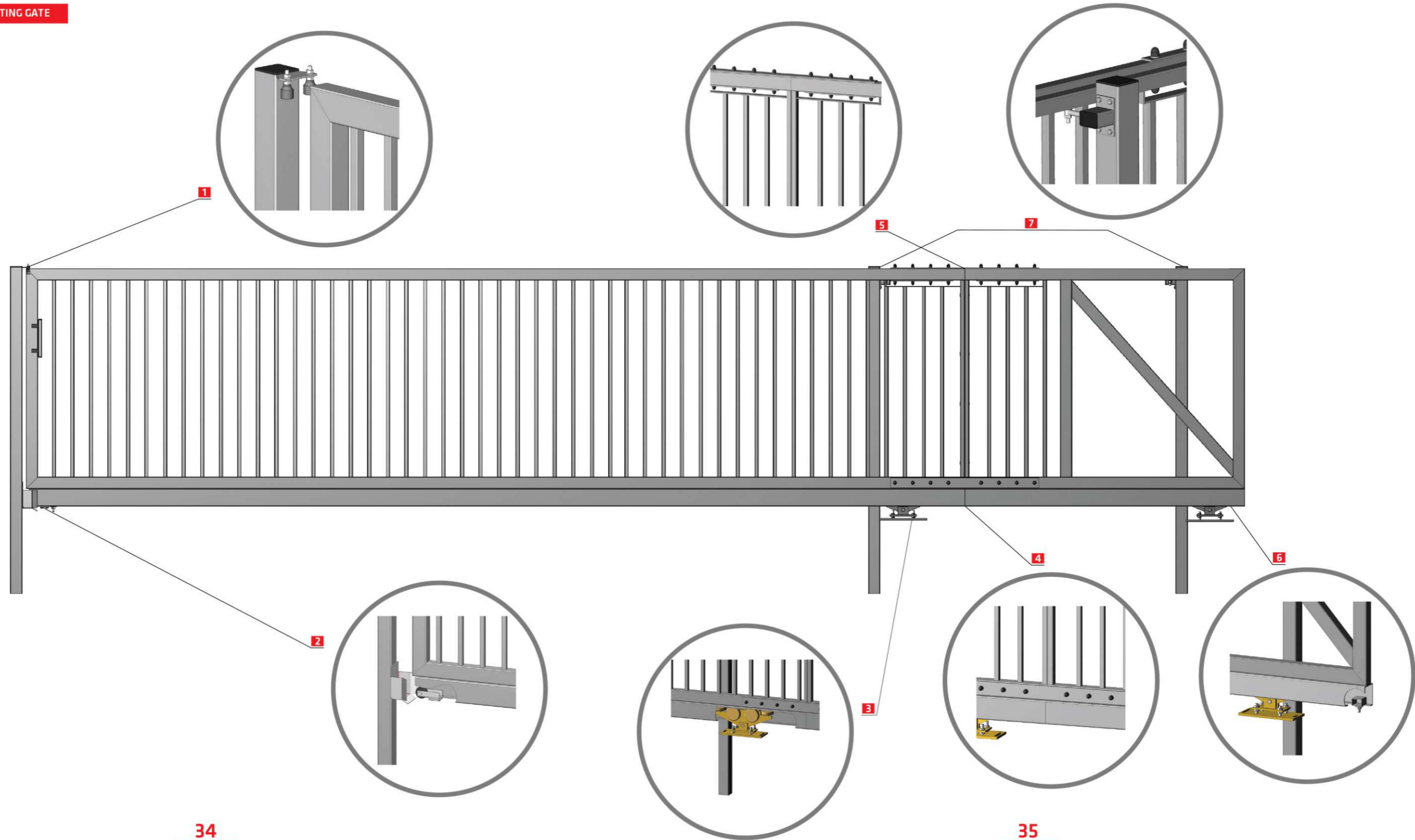
CORROSION PROTECTION

All components of the palisade fence are hot-dip galvanized in accordance with EN-ISO 1461 DIN 50976 tZn0. The component that additionally improves corrosion resistant properties is a paint coat which is applied upon customer's request. All RAL colours are available.





6-METRE SELF-SUPPORTING GATE



SYSTEM DESCRIPTION

- | | |
|---|---------------------|
| 1 | Access rolls |
| 2 | Ramp + roller guide |
| 3 | Trolley |
| 4 | Bottom fastening |
| 5 | Upper fastening |
| 6 | Brake |
| 7 | Guide rolls |

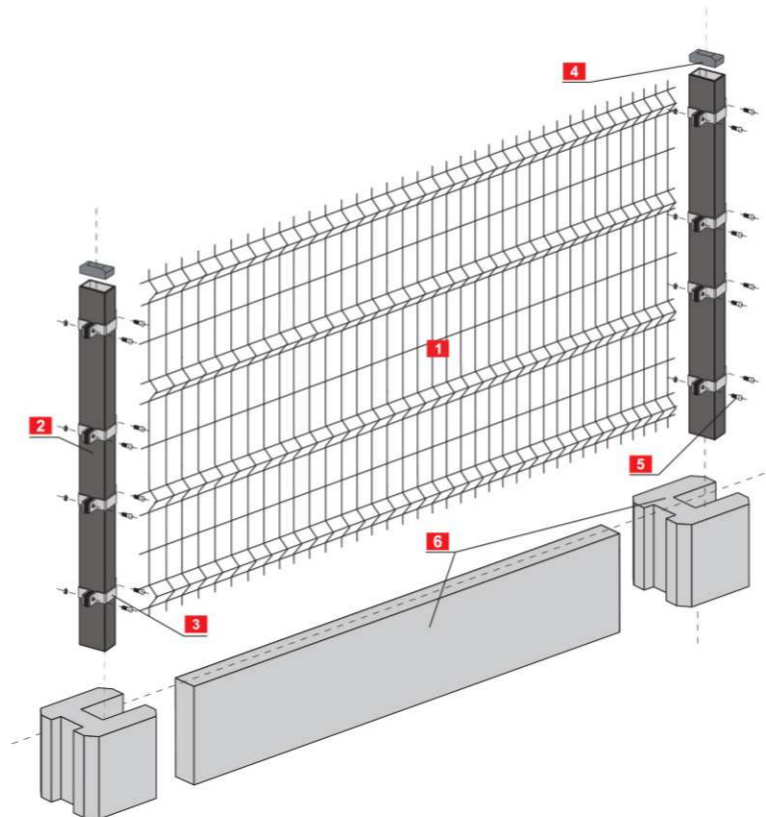


**WELDED
PANELS**

SYSTEM DESCRIPTION

WITH PANEL FILLING

- 1 Panel
- 2 Post
- 3 Attaching clamp
- 4 Post cap
- 5 Attaching screw
- 6 Concrete component

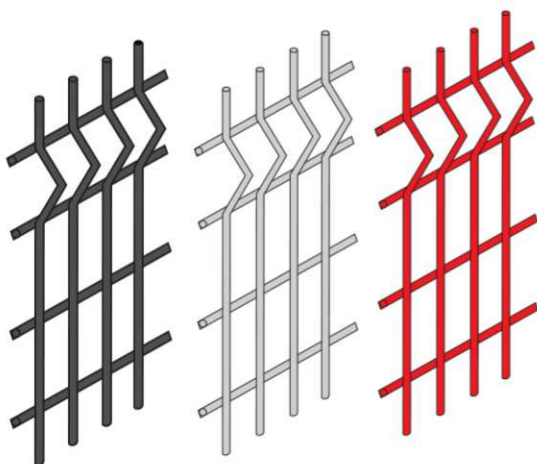


SYSTEM ADVANTAGES

- Aesthetic
- Highly durable
- Easy and quick assembly
- Abundant sizes are available
- Any RAL colour is available

SYSTEM APPLICATION:

- Residential fences and housing estates
- Sports facilities, parks and gardens
- Industrial fences



WELDED PANEL

Welded panels are made as mates of welded horizontal and vertical wires of diameter 5/4mm, 5/5mm, 4/4mm. Vertical wires are spaced every 50mm and horizontal ones every 200 mm. Depending on the system, the panel has two (2W) or four (4W) horizontal stiff ribs. Thanks to optimum sizes of horizontal reforming as well as number and spacing of wires, they are perfectly stiff, emphasize their solidity and durability and increase fence aesthetic. Panel has got perfect protection against corrosion. All RAL colours of paint coating are available.

FILLING

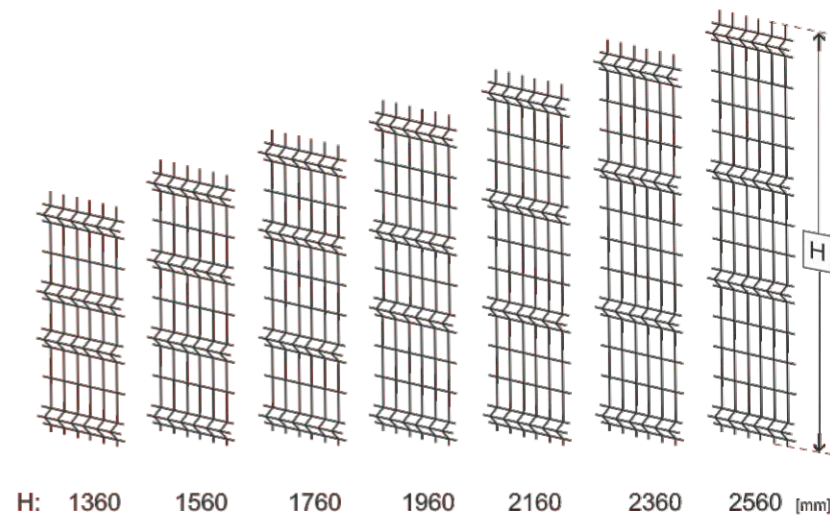
4W WELDED PANEL

PARAMETER

4W WELDED PANELS (SERIES OF HEIGHTS)

Panel height	Number of horizontal wires
[mm]	[piece]
1,360	14
1,560	15
1,760	16
1,960	17
2,160	18
2,360	19
2,560	20

Mesh size - 50x200 mm
 Diameter of vertical/horizontal wires - 5/4 mm, 5/5 mm, 4/4 mm
 Number of horizontal bars - 49 (51)



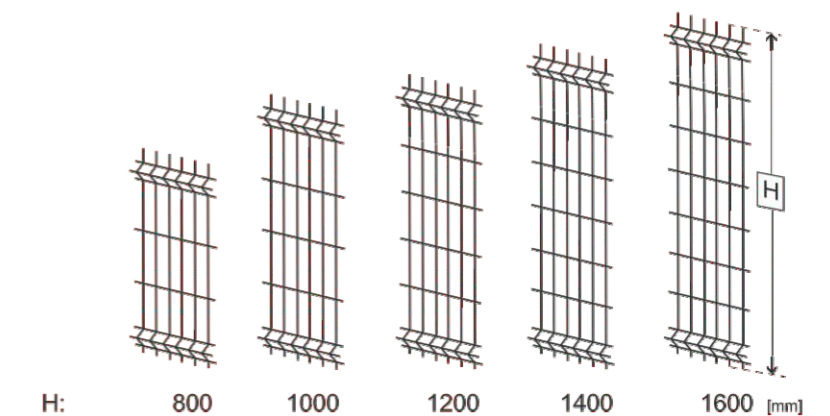
2W WELDED PANEL

PARAMETER

2W WELDED PANELS (SERIES OF HEIGHTS)

Panel height	Number of horizontal wires
[mm]	[piece]
800	8
1,000	9
1,200	10
1,400	11
2,600	12

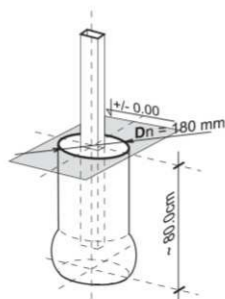
Mesh size - 50x200 mm
 Diameter of vertical/horizontal wires - 5/4 mm, 5/5 mm, 4/4 mm
 Number of horizontal bars - 49 (51)



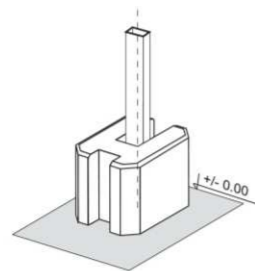
ASSEMBLY

OPTIONS FOR ASSEMBLY OF SPAN POSTS

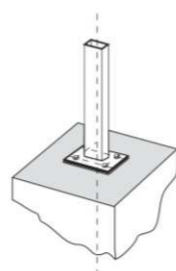
In homogenous foundation



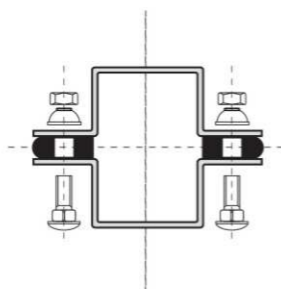
In precast concrete foundation



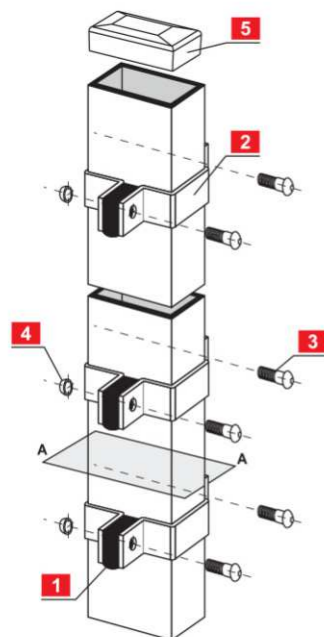
with a steel foot



A-A cross-section

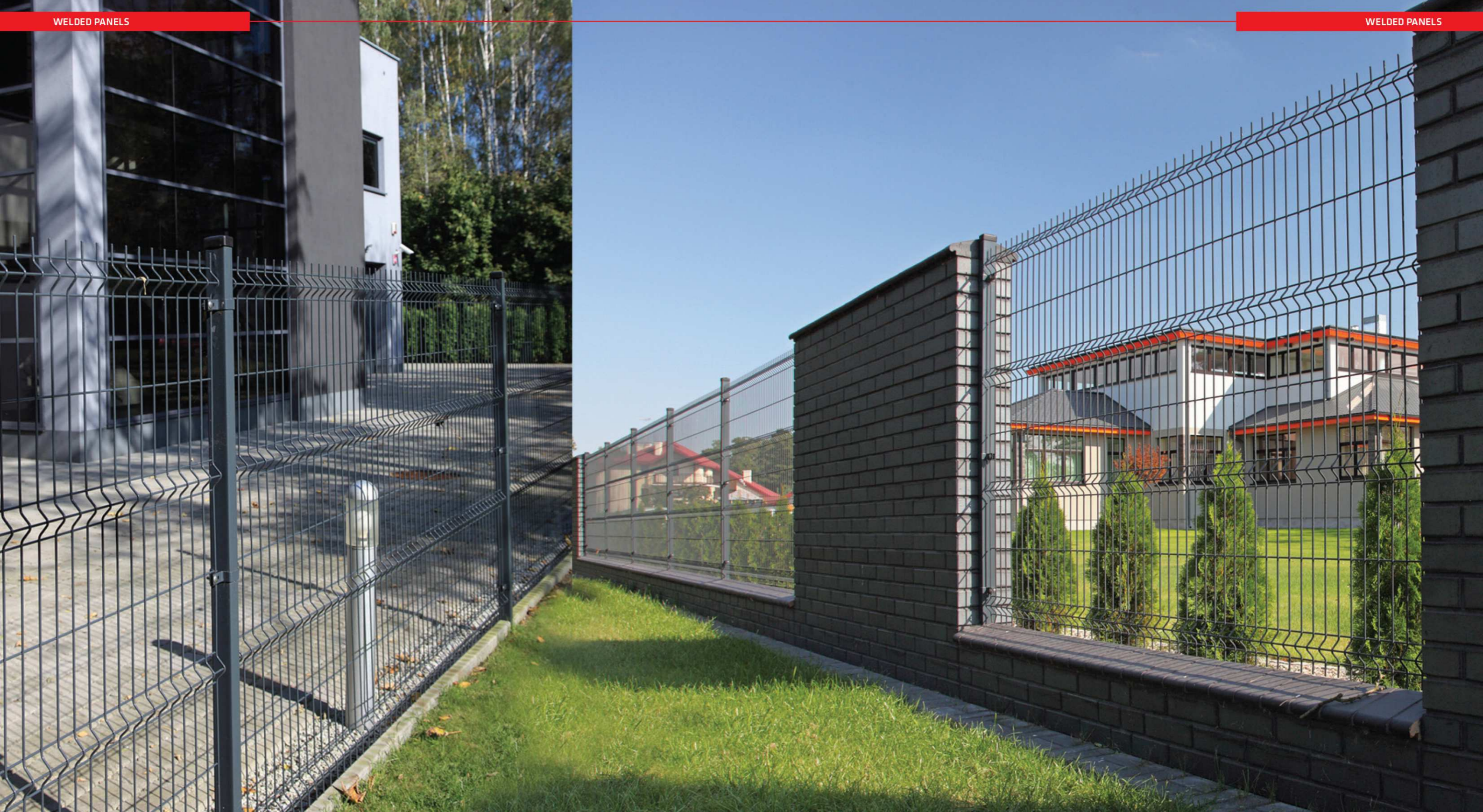


ASSEMBLY

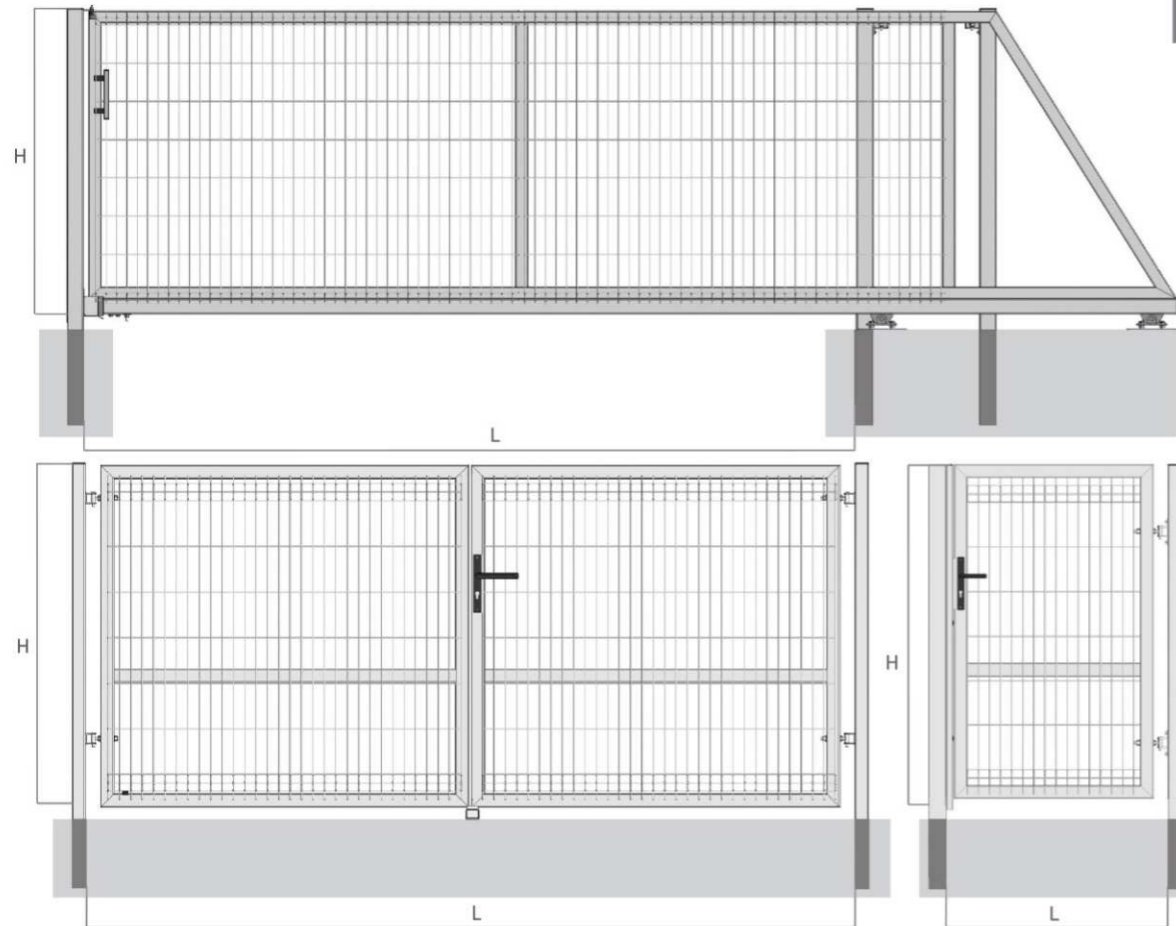


- 1** Span post made of 60 x 40 mm steel section
- 2** Attaching clamp - pressure attached by screws
- 3** Step bolt, class 4.8, galvanized electrolytically in accordance with PN 82406 DIN 603
- 4** Self-breaking cap made of stainless steel, class 4 preventing against span disassembly
- 5** Cap made of frost-proof plastic



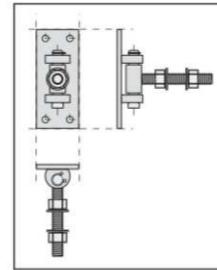


GATES AND WICKET GATES



SELF-SUPPORTING GATES

Standard sizes:
 L = 3,500 and 4,000 mm
 H = 1,500 mm

MOBILE GATES
WICKET GATES

Standard sizes:
 L = 4,000 mm
 H = 1,500 mm

Standard sizes:
 L = 1,000 mm
 H = 1,500 mm

All gates and wickets are equipped in adjustable galvanized hinges allowing for easy assembling and adjusting them during operation.

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CORROSION PROTECTION

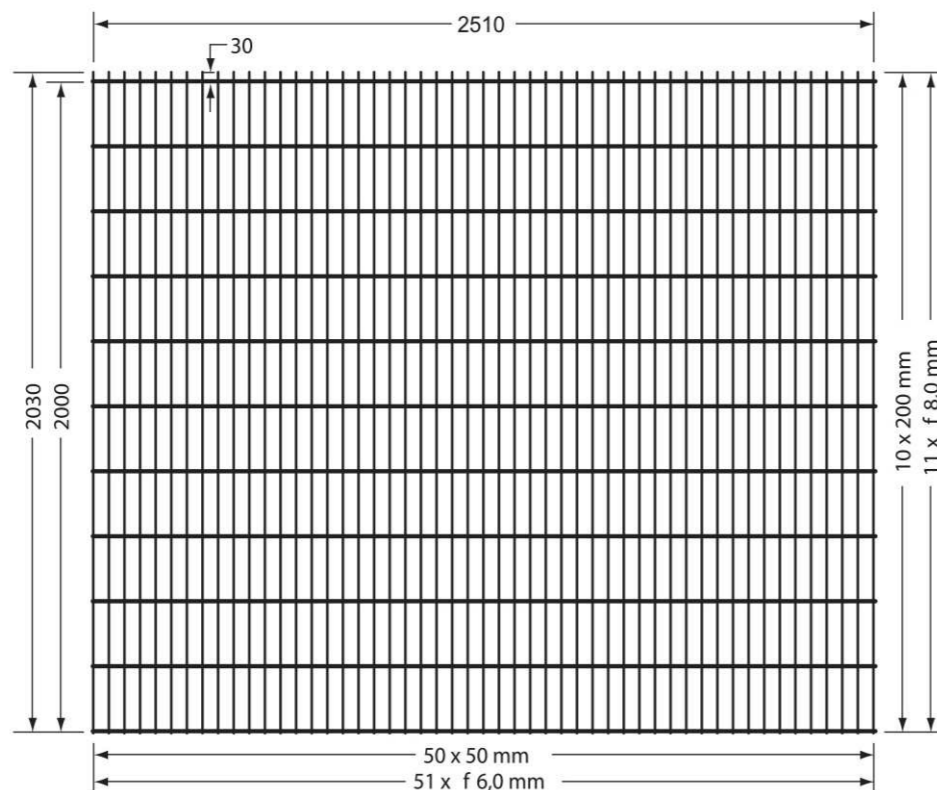
The panel corrosion protection is based on applying a special paint coat on the zinc coat prepared beforehand, it is a polyester powder coat applied electrostatically. Preparing the galvanized steel is the key factor affecting the durability of the paint coat. Being aware of that fact we use so-called rasping (stream and abrasive treatment) or it's also called sweeping, thanks to the process, the paint coats have superior adhesion, in turn, superior quality. The paint coat protects zinc against oxidation, expands its life by 40% and allows for obtaining expected colour results.

All our welded panels come with a ten-year guarantee.



TECHNICAL DESCRIPTION

PANEL 2D



Technical description:
2D WELDED PANEL

The panel consists of spot welded steel wires (horizontal and vertical).

- Corrosion protection: hot-dip galvanizing or hot-dip galvanizing + polyester powder coat
- Diameter of horizontal wires: 5 mm
- Diameter of horizontal wires (double): 6 mm
- Mesh size: 50 x 200 mm
- panel width: 2,510 mm

Ended one-side with 30 mm long vertical wires

Available heights: 2D PANEL

Panel height	Weight in kg	
	galvanized link	powder coated
630	10.8	11.1
830	13.9	14.3
1030	17.0	17.5
1230	20.2	20.8
1430	23.3	24.0
1630	26.4	27.2
1830	29.6	30.5
2030	32.7	33.7
2230	36.0	37.0
2430	39.1	40.2

TECHNICAL DESCRIPTION

2D SUPER WELDED PANEL



Available heights: 2D SUPER WELDED PANEL

Panel height	Weight in kg	
	galvanized link	powder coated
630	14.3	14.6
830	18.3	18.8
1,030	22.3	23.0
1,230	26.4	27.1
1,430	30.4	31.3
1,630	34.4	35.4
1,830	38.5	39.5
2,030	42.5	43.7
2,230	46.5	48.0
2,430	50.5	52.0

Technical description:
2D SUPER WELDED PANEL

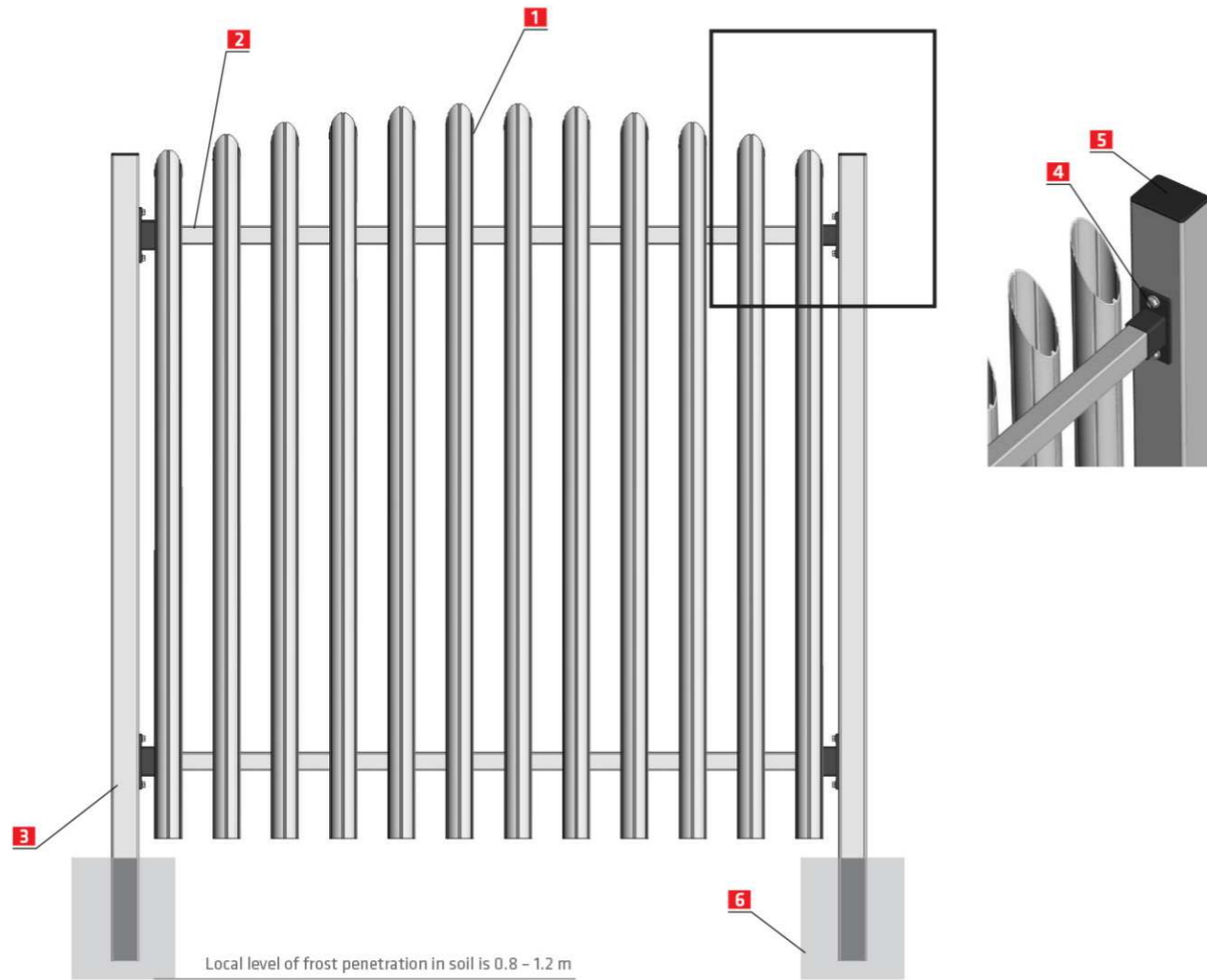
The panel consists of spot welded steel wires (horizontal and vertical).

- Corrosion protection: hot-dip galvanizing or hot-dip galvanizing + polyester powder coat
- Diameter of horizontal wires: 6 mm
- Diameter of horizontal wires (double): 8 mm
- Mesh size: 50 x 200 mm
- panel width: 2,510 mm

Ended one-side with 30 mm long vertical wires

A modern gate system featuring vertical yellow profiles and stone-filled mesh columns. The gate is partially open, revealing a brick wall and a paved area in the background. A red text box is overlaid on the left side of the gate.

**FENCE
MADE OF Ø60 mm
PROFILES**



Load-bearing structure:
60 x 40 mm section (steel, galvanized)

Filling:
Ø60 mm profile (made of GALFAN metal sheet)
Additional corrosion protection is paint coating
(powder coat) available in any RAL colour.

SYSTEM DESCRIPTION

1	Ø60 mm profile
2	60 x 40 mm section
3	Post
4	Attaching component
5	Cap
6	Concrete



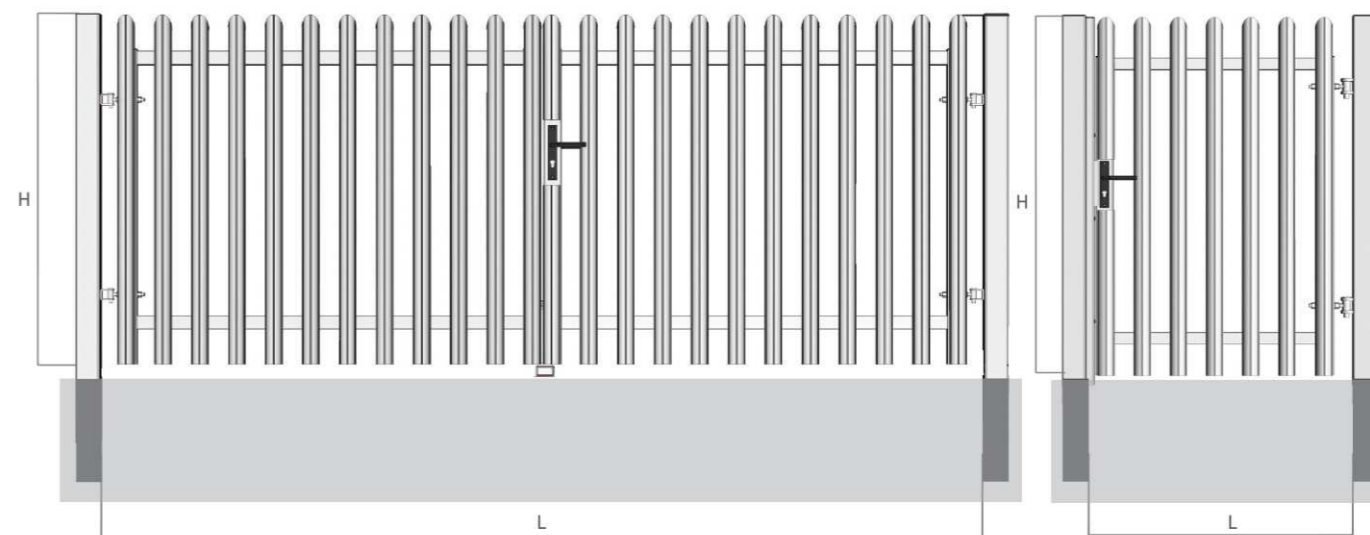
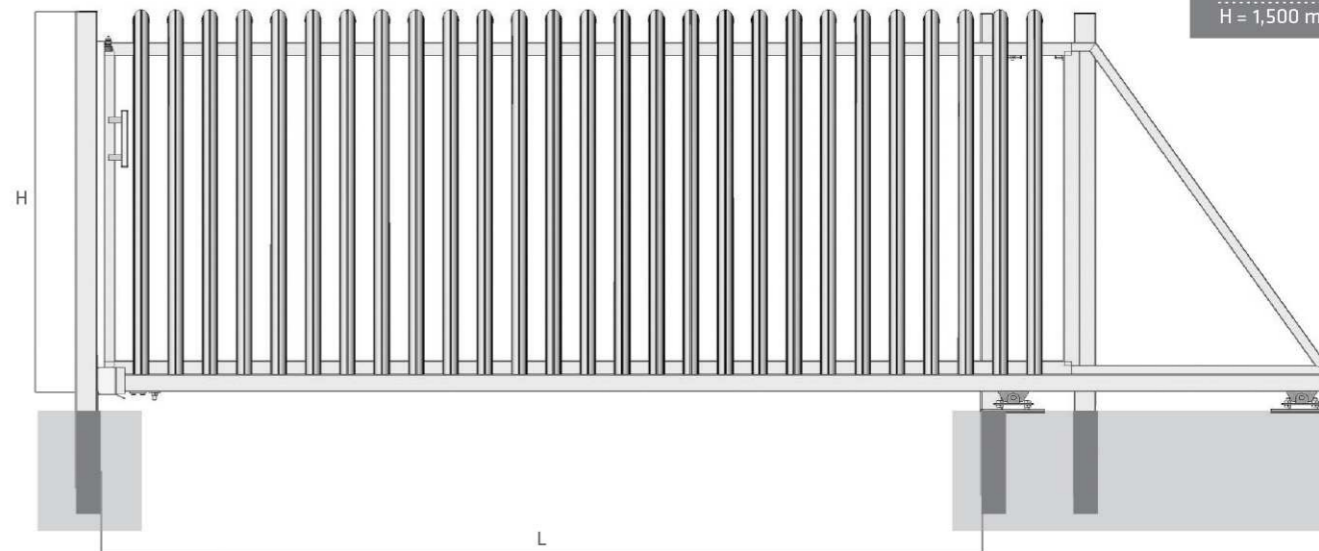


SELF-SUPPORTING GATES

Standard sizes:

L = 3,500 and 4,000 mm

H = 1,500 mm



**MOBILE GATES
WICKET GATES**

Standard sizes:

L = 4,000 mm

H = 1,500 mm

Standard sizes:

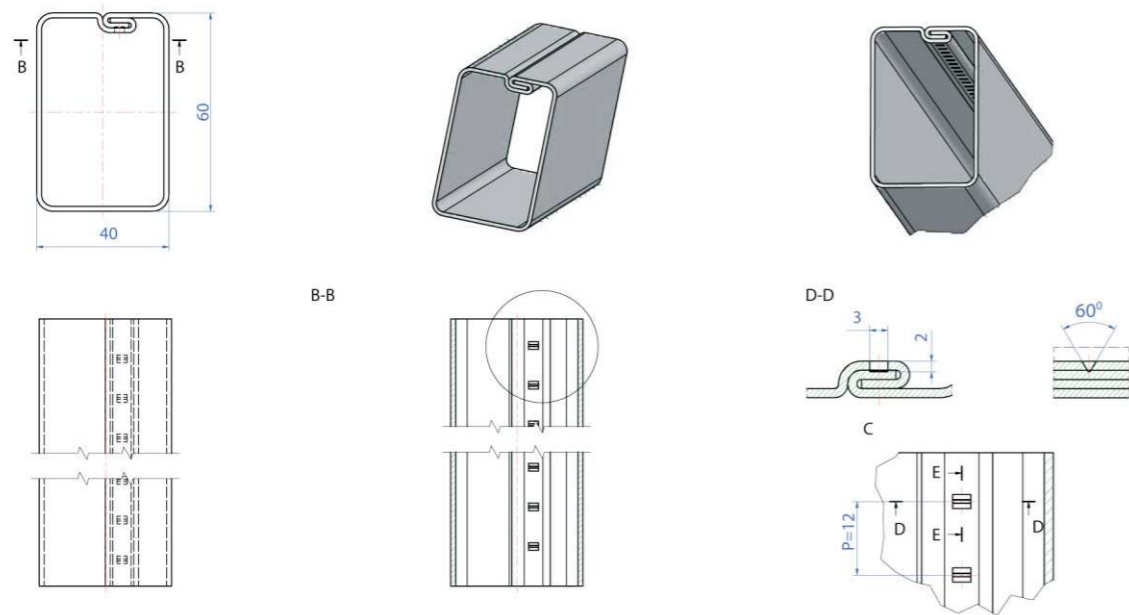
L = 1,000 mm

H = 1,500 mm

CONCRETE COMPONENTS >>> HOW TO MAKE CONCRETE COMPONENTS IS DESCRIBED ON PAGE >>> 12



FENCE POSTS



GALFAN is a 95% zinc - 5% aluminium-mischmetal alloy. Aluminium forms a microstructure providing the exceptional corrosion resistant properties and easier plastic working comparing with other traditional coatings

(detailed description of GALFAN metal sheet to be downloaded from our website).

Industrial property (fence post) no. 12330

Fence posts are manufactured in the innovative technology.

They are sections: 60x40x1.25 mm and Ø60x1.25 mm profiled from GALFAN* sheet ~255g/m2.

The manner of connecting sheet is innovative.

In our technology, we sew the sheet mechanically so that the zinc coat is perfectly safe what eliminates any corrosion.

The joint inside the section additionally strengthens it.

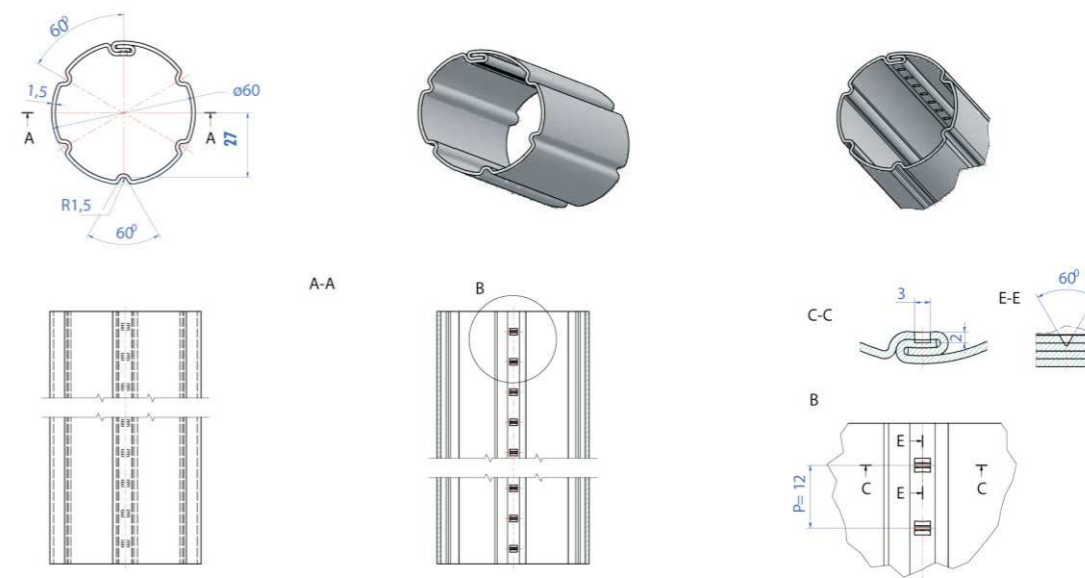
Thanks to it, we use a thinner metal sheets for manufacturing sections

than in the traditional technology, what in turn, lowers its final price.

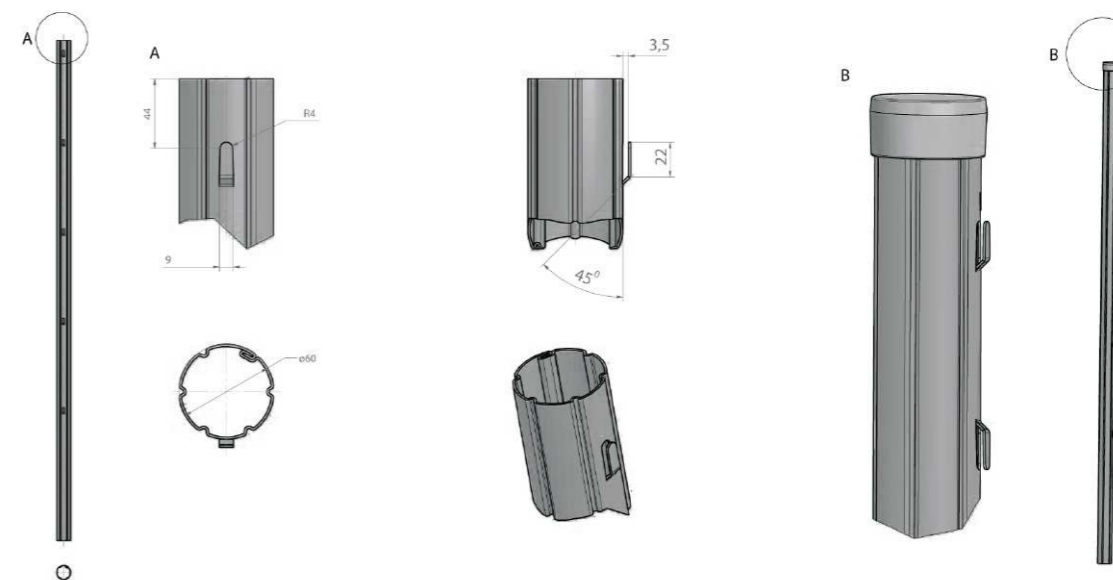
In tubes Ø60x1.25 mm additional stiffness is obtained by technological grooves along the entire section.

(tests confirming post stiffness to be downloaded from our website)

Industrial property (chain-link striker to fence post) no. 9885



FIELD FENCE POST





**FENCES FOR ROAD
AND RAIL
INFRASTRUCTURE**



The road and rail infrastructure system has been approved by the Road and Bridge Research Institute (IBDIM), technical approval no. AT/2007-03-2240.

Detailed information on the system to be downloaded from our website www.konsport.com.pl

KONSPORT

QUALITY POLICY

The superior quality of manufactured goods as well as provided services is the main objective of KONSPORT. By implementing the Quality Management System, we continue the strategy for company development set long time ago. KONSPORT has adjusted the manufacturing cycle to the international standards, that's why the Oce of Technical Inspection granted ISO 9001 to us. Thanks to having inspected each manufacturing stage, we are sure that our fences will meet your expectations.



KONSPORT

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