

# BASTION



**WIŚNIEWSKI**

GATES | WINDOWS | DOORS | FENCES

## BASTION GATES AND WICKETS

**Intended use:** Bastion gates and wickets are perfect for all types of industrial activity. The gates are installed around industrial buildings, airports, ports, guarded car parks, as well as schools, kindergartens, shopping malls, etc.



### SOLID STRUCTURE

Gates and wickets with load-bearing posts with a very solid structure, infilled with 25x25mm, 30x18mm box sections,  $\varnothing$  25mm round tube sections Vega B mesh panel screwed to the structure or Vega 2D Super panel screwed or welded to the structure.



### TAILORED TO INDIVIDUAL NEEDS

Gates and wickets are offered in all dimensions tailored to the user's needs. Available in a manually-operated and a power-operated version in all RAL palette colours. Optional accessories include electromagnetic locks, wicket closers, 90 or 180 degree hinges.



### CORROSION RESISTANT

Gates and wickets are protected against corrosion by hot-dip galvanizing or hot-dip galvanizing and coating with polyester paint. The Duplex product version is covered by our 10-year corrosion protection guarantee.

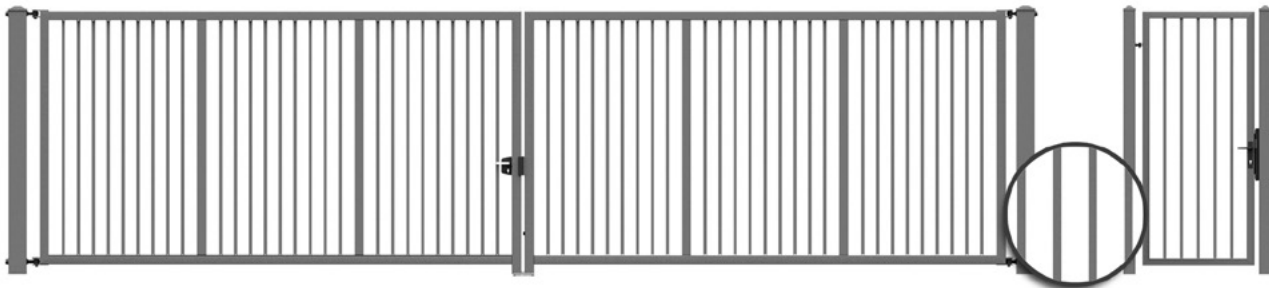


### PART OF A SYSTEM

Bastion gates and wickets are part of system of access control components. When combined with segments, posts, and industrial sliding gates, they make up a complete fence.

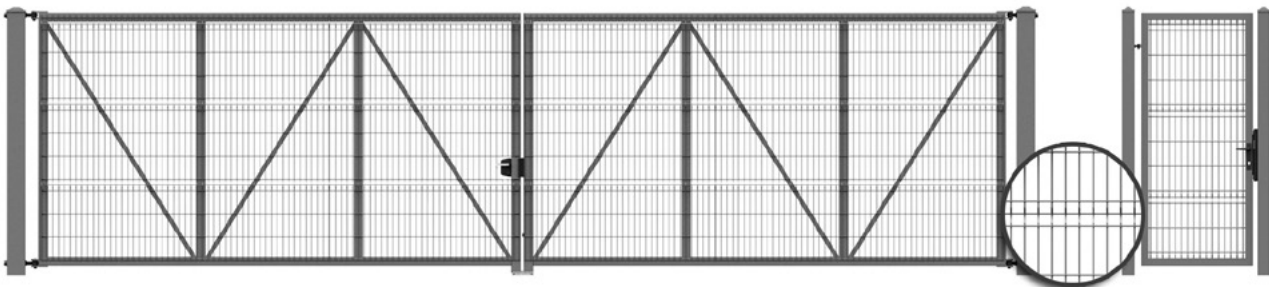


SINGLE- AND DOUBLE-LEAF GATE EXAMPLE INFILLS



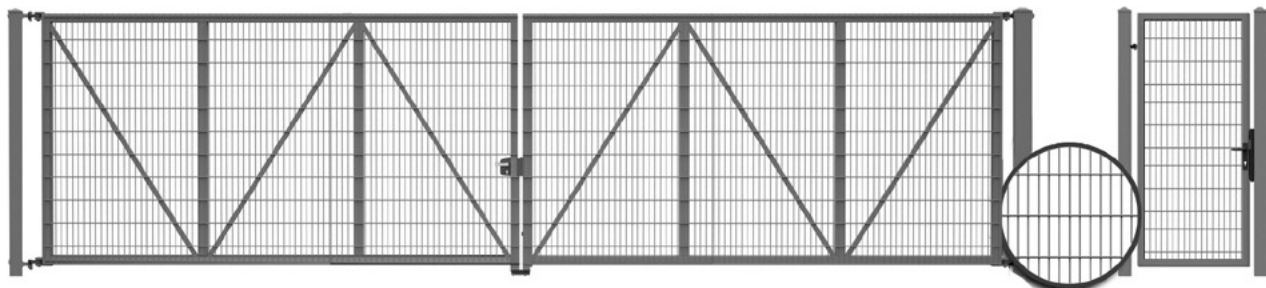
Double-leaf gate with a closed box section infill 25 x 25mm, welded to the structure.

Wicket with a closed box section infill 25 x 25mm, welded to the structure



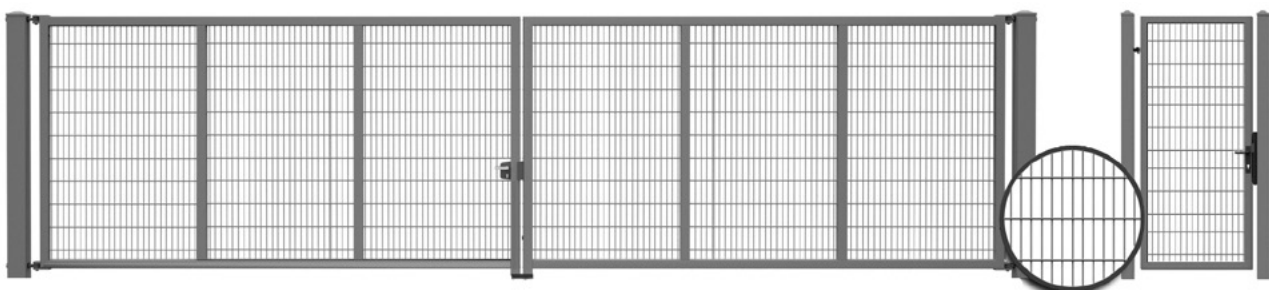
Double-leaf gate with the VEGA B mesh panel infill, screwed to the structure.

Wicket with the VEGA B mesh panel infill, screwed to the structure



Double-leaf gate with the VEGA 2D Super mesh panel infill, screwed to the structure.

Wicket with the VEGA 2D Super mesh panel infill, screwed to the structure.



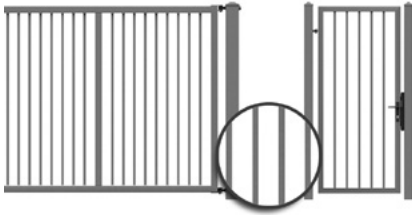
Double-leaf gate with the VEGA 2D Super mesh panel infill, welded to the structure.

Wicket with the VEGA 2D Super mesh panel infill, welded to the structure.



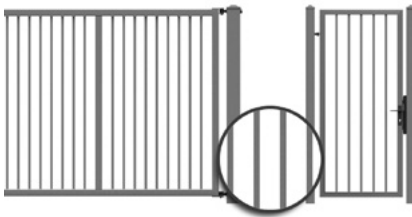
NEW

NEW SYSTEM INFILLS



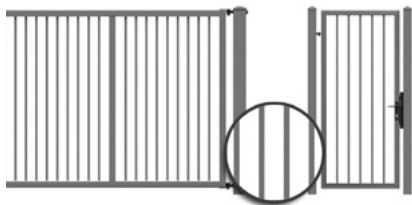
Round tube section infill  $\varnothing$  25mm welded to the structure.

Also available as an extended infill.



Closed box section infill 25x25mm, CARO arrangement, welded to the structure.

Also available as an extended infill.



Closed box section infill 30x18mm, welded to the structure.

Also available as an extended infill.

DIMENSIONAL RANGE OF BASTION GATES AND WICKETS

Leaf height (H) in [mm] up to	Width between posts (So) in [mm] up to													
	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
1500	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1700	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2000	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2200	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2400	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Leaf height (H) in [mm] up to	Width between posts (So) in [mm] up to							
	1000	1050	1100	1150	1200	1250	1300	1350
1500	+	+	+	+	+	+	+	+
1700	+	+	+	+	+	+	+	+
2000	+	+	+	+	+	+	+	+
2200	+	+	+	+	+	+	+	+
2400	+	+	+	+	+	+	+	+

GATE OR WICKET LEAF

The structure of the gate or wicket is designed and customized depending on the dimensions. Uses profiles with a cross-section of 60x60mm or 80x80mm. The leaf includes a lock with a lock cylinder and a cover plate, and in the case of gates – a drop bolt. Double-leaf automatic gates are not fitted with a lock and a drop bolt, instead they are fitted with a horizontal crosspiece for installing the automatic operating unit.

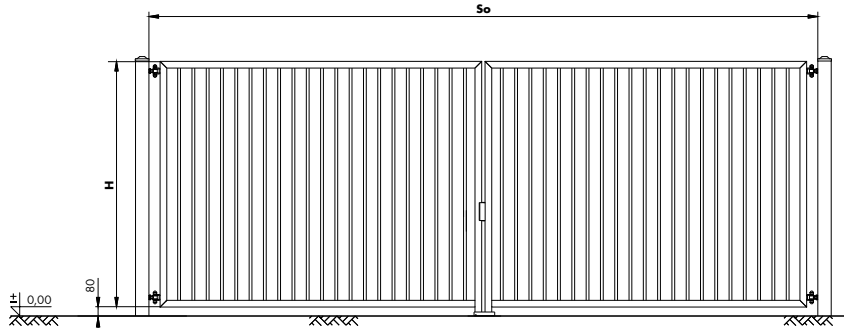
GATE AND WICKET INFILL

Gate and wicket leaves are infilled with a 25x25mm profile or the VEGA B mesh panel screwed to the structure or the VEGA 2D Super panel or the VEGA 2D panel screwed or welded to the structure.



## GATE AND WICKET POSTS

Gate and wicket posts constitute an integral part of the product. The posts were designed to match the strength requirements of the entire structure. The posts are fitted with steel pyramid caps. The posts are manufactured with the following profile cross-sections: 80x80, 100x100, 120x120, and 160x160mm.



ORDERING AND DESIGN DIMENSIONS OF THE BASTION DOUBLE-LEAF GATE										
Ordering width of the gate (So) [mm]	Gate height (Ho) [mm] (leaf height)	Clear opening width (Sj) [mm], manually-operated gate	Clear opening width (Sj) [mm], power-operated gate	Total width [mm]	Leaf height from the floor [mm]	Post dimensions [mm]	Post height [mm], installed in the ground	Post height [mm], installed on the BSTZ foot	Gate leaf structure [mm]	Clearance between the edge of the gate and the edge of the post (G)
from 3500 to 4500	1500-2400	So-240	So-170	So+200	Ho + 80	100x100	Ho+800	Ho+100	60x60	85
over 4500 to 5500	1500-2000			So+200	Ho + 80	100x100	Ho+800	Ho+100	60x60	
	2200-2400			So+240	Ho + 80	120x120	Ho+800	Ho+100	60x60	
over 5500 to 6000	1500-2400			So+240	Ho + 80	120x120	Ho+800	Ho+100	60x60	
over 6000 to 7500	1500-2400	So-260	So-190	So+240	Ho + 80	120x120	Ho+800	Ho+100	80x80	95
over 7500 to 10000	1500-2400			So+320	Ho + 80	160x160	Ho+800	Ho+100	80x80	

## HINGE TYPES



Gates up to 6 m clear passage width gate movement within 90°



Gates over 6 m clear passage width gate movement within 90°



On special request, in single- and double-leaf gates gate movement within 180°



**GRIPPING UNIT** – prevents accidental closing of the opened leaf of the manually-operated gate, e.g. caused by a strong gust of wind. It is installed behind the gate and holds the leaves in the open position.



**DROP BOLT** – provides reliable locking of the leaf, installed in the foundation.



**LOCK IN A MANUALLY-OPERATED GATE** – a reliable and durable locking device for the manually-operated gate, fitted in an aluminium housing.



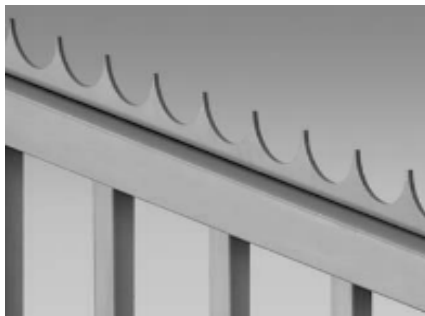
## TOP LEVEL OF SAFETY

The manually-operated Bastion gate is fitted with the Locinox lock and a drop bolt. Additionally, it includes two gripping units preventing accidental closing of the leaves, e.g. caused by a gust of wind.

As standard, the Bastion single- and double-leaf gate with a drive unit is fitted with an overload protector, photocells, and a warning light, which are reliable safety devices and at the same time increase the comfort of use of the gate.

The CE mark confirms safe operation of the Bastion single- and double-leaf gates and wickets in all conditions.

Gate type	Drive unit model	3000	4000	5000	6000	7000	8000	9000	10000
Double-leaf gate	BFT PHOBOS BT A40								
	BFT PHOBOS BT A40 EZ <sup>(1)</sup>								
	CAME ATI 3024 <sup>(3)</sup>								
	CAME ATI 5024 <sup>(3)(4)</sup>								
	CAME FERNI 1024								



**SPIKED TOP EDGE** – a steel comb with spikes can be installed on the top edge of the gate leaf.

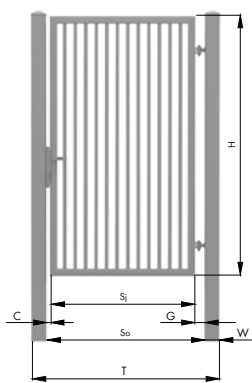


**PHOTOCELLS** – installed on the gate posts – whenever an object appears in the opening passage, the infrared beam is interrupted and movement stops.



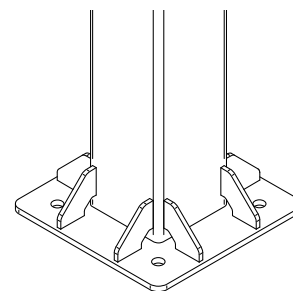
**ELECTRIC BOLT** – a protective device for drive units for gates with leaves over 3.5 m wide.

## WICKET DIMENSIONS



- So** - width between posts – ordering dimension,
- Sj** - clear passage width with the wicket installed,
- C** - clearance between the edge of the wicket and the edge of the post,
- G** - clearance between the edge of the wicket and the edge of the post,
- H** - wicket leaf height – ordering dimension,
- T** - total width of wicket with posts
- W** - post dimensions

Wicket installation dimensions and marking

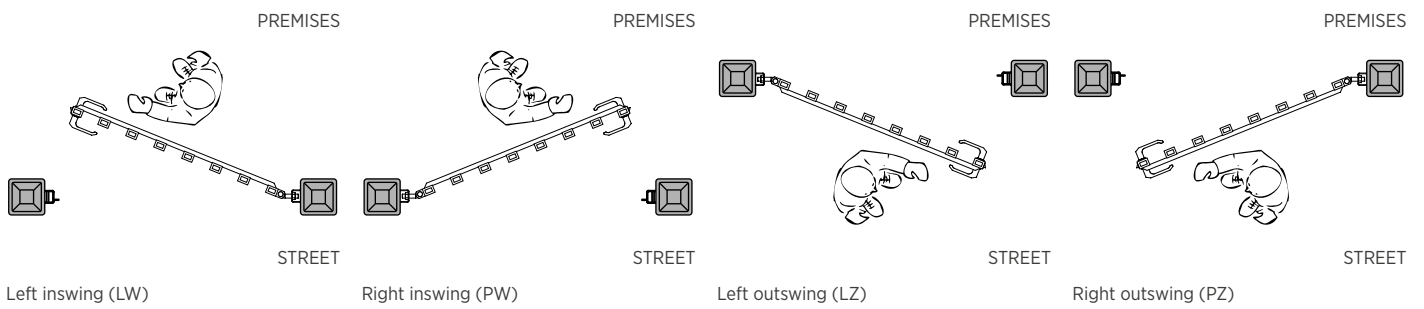


BSTZ ribbed foot (in gates over 6000 [mm] no ribs on the side of the hinges).



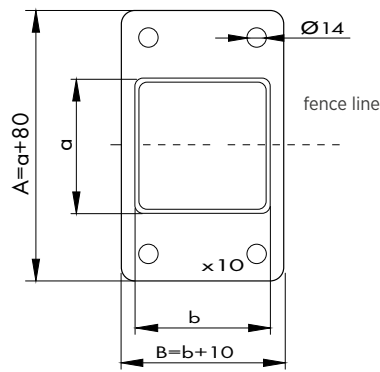
ORDERING AND DESIGN DIMENSIONS OF THE BASTION WICKET											
Ordering width of the wicket (So) [mm]	Wicket height (Ho) [mm] (leaf height)	Clear opening width (Sj) [mm] of the wicket	Total width [mm]	Leaf height from the floor [mm]	Post dimensions [mm]	Post height [mm] - installed in the ground	Post height [mm] - installed on the BST 4 foot	Post height [mm] - installed on the BSTZ foot	Wicket leaf structure [mm]	Clearance between the edge of the wicket and the edge of the post (G)	Clearance between the edge of the wicket and the edge of the post (C)
from 1000 to 1350	1500-1950	So-160	So+160	Ho + 80	80x80	Ho+800	Ho+100	-	60x40	55	40
	2000-2200		So+200	Ho + 80	100x100	Ho+800	Ho+100	Ho+100	60x40		
	2250-2400		So+200	Ho + 80	100x100	Ho+800	-	Ho+100	60x40		

### WICKET SWING DIRECTION



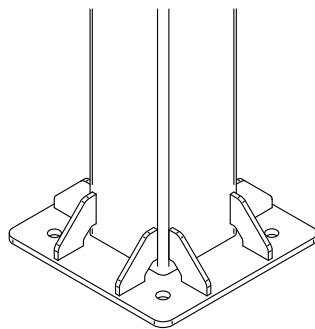
### BST4 AND BSTZ FOOT

BST 4 installation foot



$a \times b = 80 \times 80$  [mm]  
 $a \times b = 100 \times 100$  [mm]

BSTZ reinforced concrete foot





**BASTION WICKET HINGE TYPES**



**ADJUSTABLE HINGE** - fixed directly to the gate post, ensures accurate wicket positioning relative to the post.



**HINGE WITH A MOUNTING PLATE** - makes it possible to install the wicket to existing steel or concrete posts (option).



**HINGE WITH A CHANNEL SECTION** - fixed to the post, makes it possible to install the wicket to a steel or concrete post.

**BASTION WICKET LOCK TYPES**

The Bastion wicket is fitted with a flush-mounted mortise lever lock as standard. Optionally the Locinox surface-mounted lock, an electromagnetic lock or a maglock can be fitted. Another solution improving the comfort of use is the Sanson 2 wicket closer, also available as an option.



A lock flush-mounted in the profile is a traditional method of locking the wicket, installed in the leaf frame.



Option. Surface-mounted lock - a mechanism enclosed in an aluminium housing with a cylinder lock, also available with an electromagnetic strike.



Option. Lock with an electromagnetic strike - an element of the access control system, used for remote unlocking of the locked wicket.



Option. Samson 2 wicket closer



Option. Maglock



## ACCESS CONTROL

Comfortable use of the wicket is ensured by an electromagnetic lock with memory. The lock switch can be fitted in any place in the room. When going out, the user unlocks the electromagnetic strike with a press of a button, and once the wicket opens and closes again, it will lock automatically. A code lock makes it possible to open the wicket by entering a personal code.



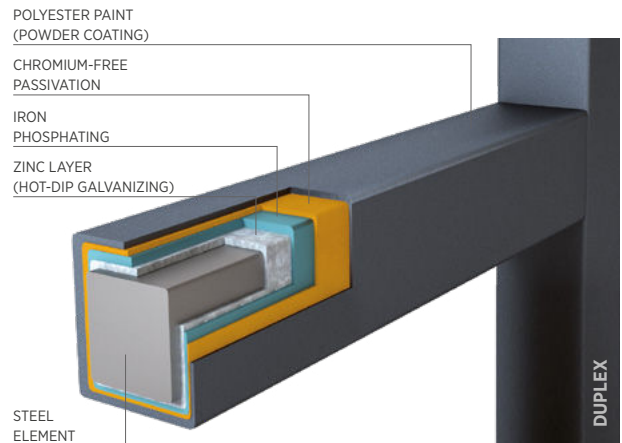
Option. Code lock or proximity reader.

## DUPLEX SYSTEM

Coating for hot-dip galvanized steel. The duplex system provides an extremely high level of protection. Galvanization and paint complement each other in terms of efficiency and the reliability of corrosion protection increases considerably. The paint is applied by powder coating.

### ADVANTAGES OF THE DUPLEX SYSTEM

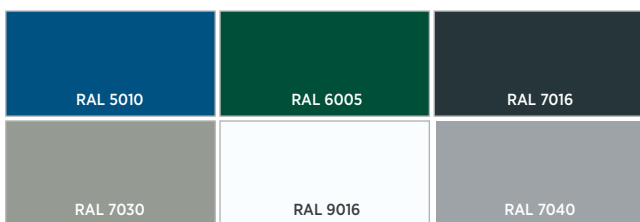
- Very good, long-term corrosion protection
- High mechanical strength
- Perfect protection from each angle, also in places that are difficult to reach
- An economical solution thanks to long life
- An eco-friendly method



## COLOUR

### COLOUR RANGE

Standard gates are available in a raw hot-dip galvanized version or a hot-dip galvanized plus polyester coating version.



RAL palette colours



## GALLERY



**BASTION WICKET**  
 • Infill: Vega 2D Super mesh panel 8/6/8  
 screwed to the structure  
 • Colour: RAL 7016



**BASTION SYSTEM DOUBLE-LEAF GATE AND WICKET**  
 • Infill: Vega B mesh panel screwed to the structure.  
 • Colour: RAL 7016



## BUILD AN EXTENSIVE INDUSTRIAL FENCING SYSTEM

WIŚNIEWSKI fences are a system of solutions ensuring comprehensive protection of your property. Our residential and industrial product range includes modern steel, profile, and panel fences. Reliable, high quality, and durable, our fences also boast an elegant and stylish look. WIŚNIEWSKI's comprehensive offer makes closing off your property simple and reflects great care for safety, security, and appearance.

TAKE ADVANTAGE OF OUR COMPLETE RANGE AND BUILD YOUR OWN FENCE.



A FENCE SYSTEM WITH INDUSTRIAL SEGMENTS, A SLIDING GATE, AND A WICKET. CLOSED BOX SECTION INFILL 25X25 MM



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GATES | WINDOWS | DOORS | FENCES

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N = 49° 40' 10" | E = 20° 41' 12"

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