

1. PRODUCT DESCRIPTION

This technical datasheet specifies properties for the Classic Swing Gate.

The Classic gate is made of pre-galvanized materials ideal for private use and light industrial applications.

The gate contains a stainless-steel built-in lock and mounted hinges all from Locinox.

The gates are available in a single and double wing version. The single version will be produced in three widths, and the double version will be produced in four widths.

With the double gates, both sides of the "keeper" wing are equipped with the option to mount a drop bolt.

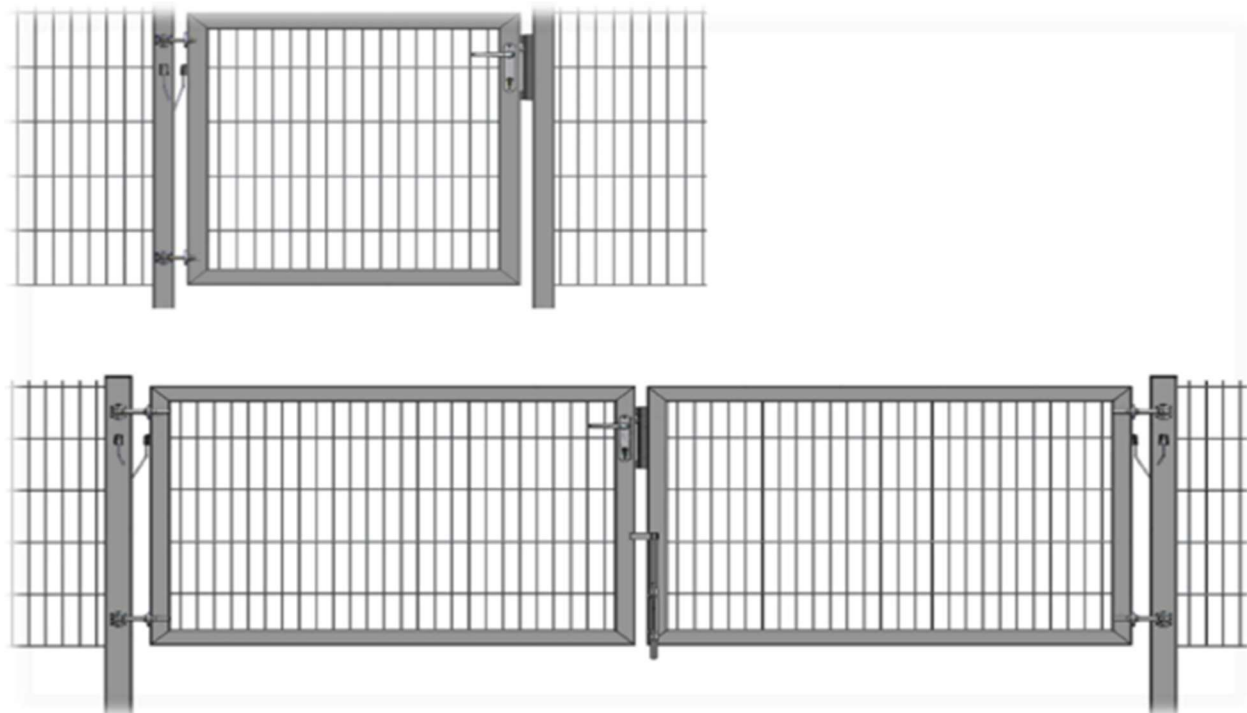
This gives the end user the possibility to adjust the direction of rotation

The structure of the gate consists of the following components

- Wing(s), produced out of pre-galv. profiles and a light double wire infill.
- Gate posts (hinge side and lock keeper side, both produced out of pre-galv. Profiles)
- Accessory box with hinges, lock, lock-keeper (for double gate a drop bolt)

2. NORMATIVES REFERENCES

- EN 10219-1 Cold formed welded structural hollow sections of non-alloy and fine grade steel - Part 1
- EN 10346 Continuous hot-dipped coated steel flat products
- EN 10223-7 Steel wire and wire products for fences – Part 7
- ISO 9227:2012 Corrosion tests in artificial atmospheres; salt spray tests.



3. TECHNICAL SPECIFICATIONS RAW MATERIAL

3.1. MATERIAL FRAME

The frame is produced out of 60x40x1,5mm profile construction steel S220GD in accordance with the standard EN10346.

- Tensile strength: min. 300 N/mm²

3.2. MATERIAL INFILL

The double wire infill "light" is produced out of wire rod.

Diameter (mm)	Diameter Tolerance (mm)	Mesh dimension (mm)	Tolerance (mm)
4,4	+/- 0,07	Horizontal	2,0
5,3	+/- 0,08	Vertical	2,0

Chemical Properties for non-coated panels

	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	CEV
Min.	0,04	0,04	-	-	-	-	-	-	-	-
Max.	0,15	0,23	0,70	0,040	0,040	0,40	0,15	0,15	0,08	0,50

Mechanical properties

- Tensile strength (Rm): min. 500 N/mm²
- Fracture elongation (Agt): 1%
- Welding points: in accordance with EN 10223-7

3.3. MATERIAL POST

3.3.1. Post (sendzimir)

The sendzimir post is produced out of S220GD, a continuous hot-dipped galvanized steel strip in accordance to the standard EN 10346.

- o Zinc layer: Z140
- o Tensile strength: min. 300 N/mm²

4. GALVANIZING PROFILES

Continuous hot-dip galvanised strip for cold forming, acc. to DIN EN 10346-2015

Dimension: 60x60x2 mm, L= 600mm extended (till width 1.500mm)
 80x80x3 mm, L= 600mm extended (from width >1.500mm)
 100x100x2mm, L= 600mm extended (from width 2.000mm)

Top provided with a Polyamide end-cap

5. POLYESTER POWDER COATING

Prior to powder coating, the gates will have a chemical pre-treatment before coating for a better adhesion of the polyester powder coating and better corrosion protection.

The standard colours are RAL6005 / 6009 / 7016 / 9005.

The coating is free of lead and cadmium.

The polyester powder coating has an average thickness of 100 µm.

6. LOCINOX ACCESSORY BOX

Product	Material	Quantity Single wing	Quantity Double wing
Hinge set	HDG Steel / Aluminium	2 sets	4 sets
Mortise lock	Stainless steel	1 pcs	1 pcs
Lock keeper	polyamide	1 pcs	1 pcs
Cylinder	Stainless	1 pcs	1 pcs
Handle pair	Anodized aluminium	1 set	1 set
Cover cap	Plastic	4 pcs	4 pcs
B-safe	Stainless steel	1 pcs	2 pcs
Groundbolt	Aluminium	-	1 pcs
Post cap	Polyamide	2 pcs	2 pcs

7. PACKAGING

All the parts, frame, posts and accessories, will be un-assembled packed in a foil.

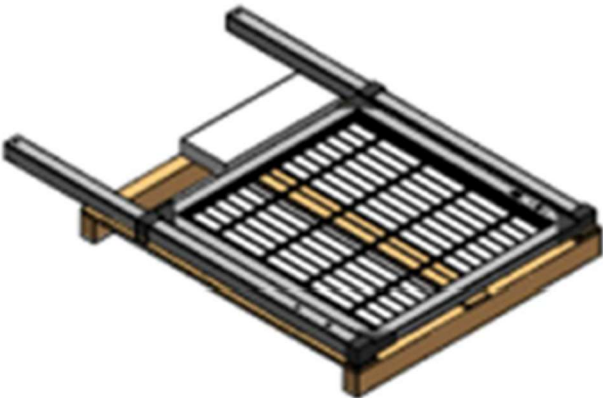
The single gates will be packed on a wooden pallet by 10 Sets.

The double gates are packed by 5 sets on a wooden pallet

Every pallet has a production label with:

- product description
- product code
- quantity
- colour

Poort Light



 CLASSIC GATE	 RAL 9003	 RAL 6009	 RAL 6005	PASSAGE WIDTH (mm) 1.000	HEIGHT FRAME / LENGTH POST (mm)									
	 RAL 7016	 RAL 7040			600 1.300	800 1.400	1.000 1.400	1.200 1.800	1.400 2.000	1.600 2.200	1.800 2.400	2.000 2.600	2.200 2.800	2.400 3.000

Poort Light

8. DIMENSIONS

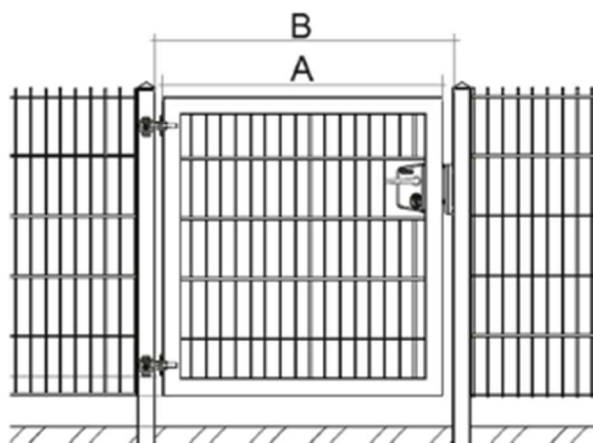
8.1. Single Wing

PASSAGE (mm)	WIDTH FRAME (mm)	HEIGHT (mm)	POST PROFILE (mm)
1.000 mm	920	600	60x60x2
		800	60x60x2
		1.000	60x60x2
		1.200	60x60x2
		1.400	60x60x2
		1.600	60x60x2
		1.800	60x60x2
		2.000	60x60x2
		2.200	60x60x2
		2.400	60x60x2

PASSAGE (mm)	WIDTH FRAME (mm)	HEIGHT (mm)	POST PROFILE (mm)
1.250 mm	1.170	600	60x60x2
		800	60x60x2
		1.000	60x60x2
		1.200	60x60x2
		1.400	60x60x2
		1.600	60x60x2
		1.800	60x60x2
		2.000	60x60x2
		2.200	60x60x2
		2.400	60x60x2

PASSAGE (mm)	WIDTH FRAME (mm)	HEIGHT (mm)	POST PROFILE (mm)
1.500 mm	1.420	600	80x80x3
		800	80x80x3
		1.000	80x80x3
		1.200	80x80x3
		1.400	80x80x3
		1.600	80x80x3
		1.800	80x80x3
		2.000	80x80x3
		2.200	80x80x3
		2.400	80x80x3

Width (A) (mm)	Passage (B) (mm)
920	1.000
1.170	1.250
1.420	1.500



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8.2. Double wing

PASSAGE (mm)	WIDTH FRAME (mm)	HEIGHT (mm)	POST PROFILE (mm)
2.000 mm	920 / 920	600	60x60x2
		800	60x60x2
		1.000	60x60x2
		1.200	60x60x2
		1.400	60x60x2
		1.600	60x60x2
		1.800	60x60x2
		2.000	60x60x2
		2.200	60x60x2
		2.400	60x60x2

PASSAGE (mm)	WIDTH FRAME (mm)	HEIGHT (mm)	POST PROFILE (mm)
3.000 mm	1.420 / 1.420	600	80x80x3
		800	80x80x3
		1.000	80x80x3
		1.200	80x80x3
		1.400	80x80x3
		1.600	80x80x3
		1.800	80x80x3
		2.000	80x80x3
		2.200	80x80x3
		2.400	80x80x3

PASSAGE (mm)	WIDTH FRAME (mm)	HEIGHT (mm)	POST PROFILE (mm)
4.000 mm	1.930 / 1.930	800	100x100x2
		1.000	100x100x2
		1.200	100x100x2
		1.400	100x100x2
		1.600	100x100x2
		1.800	100x100x2
		2.000	100x100x2
		2.200	100x100x2
		2.400	100x100x2

PASSAGE (mm)	WIDTH FRAME (mm)	HEIGHT (mm)	POST PROFILE (mm)
5.000 mm	2.430 / 2.430	800	100x100x2
		1.000	100x100x2
		1.200	100x100x2
		1.400	100x100x2
		1.600	100x100x2
		1.800	100x100x2
		2.000	100x100x2
		2.200	100x100x2
		2.400	100x100x2

Width (A, B) (mm)	Passage (C) (mm)
920	2.000
1.420	3.000
1.930	4.000
2.430	5.000

