

Dubbelstaafmat poort met kader



1. PRODUCT DESCRIPTION.

This technical datasheet specifies properties for the System Swing Gate.
The System gate frame has double wire heavy infill and is hot dipped galvanized.

The structure of the gate consists of the following components

- Wing(s)
- Gate posts (hinge side and lock keeper side)
- 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
- EN ISO 1461 Hot dip galvanized coatings on fabricated iron and steel articles
- 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 S235 JRH class 1 in accordance with the standard EN10219-1, EN10219-2, EN10204

- Tensile strength: min. 360 n/m22

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3.2. MATERIAL INFILL

The double wire infill “heavy” is produced out of wire rod.

Diameter (mm)	Diameter Tolerance (mm)	Mesh dimension (mm)	Tolerance (mm)
5,3	+/- 0,07	Horizontal	50
7,3	+/- 0,08	Vertical	200

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 post is produced out of construction steel S235 JRH class 1 in accordance with the standard EN 10219-1 and hot dipped galvanized according EN-ISO 1461.

- o Tensile strength: 360 N/mm²

4. HOT DIPPED GALVANIZING

The hot dipped galvanized process is in accordance with the standard EN ISO1461

5. POLYESTER POWDER COATING

Prior to powder coating, the gates will be sweep blasted before coating for a better adhesion of the polyester powder coating.

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.

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6. ACCESSORY BOX

Product	Material	Quantity Single wing	Quantity Double wing
Hinge set M16	HDG Steel	2 sets	4 sets
Surface mounted Lock	Aluminium + stainless steel	1 pcs	1 pcs
Lock keeper	Stainless steel + polyamide	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	HDG steel	-	1 pcs

7. PACKAGING

The gates will be un-assembled packed in a foil.

The single gates 10 gates are packed on a wooden pallet

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

The posts and accessory boxes will be packed separately

Every pallet has a production label with:

- product description
- product code
- quantity
- colour

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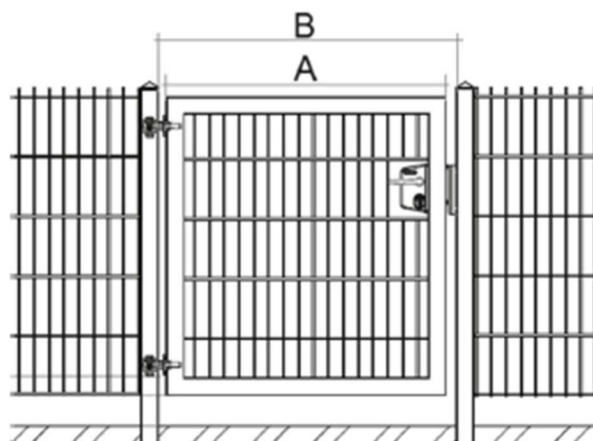


8. DIMENSIONS

8.1. FRAME DIMENSIONS

Single wing

Width (A) (mm)	Passage (B) (mm)
920	1.000
1.170	1.250
1.420	1.500
1.670	1.750
1.920	2.000
2.420	2.500



Double wing

Width (A) (mm)	Width (B) (mm)						
	920	1.170	1.420	1.620	1.920	2.170	2.420
920	1.980	2.230	2.480	2.730	2.980	3.230	3.480
1.170	2.230	2.480	2.730	2.980	3.230	3.480	3.730
1.420	2.480	2.730	2.980	3.230	3.480	3.730	3.980
1.670	2.730	2.980	3.230	3.480	3.730	3.980	4.230
1.920	2.980	3.230	3.480	3.730	3.980	4.230	4.480
2.170	3.230	3.480	3.730	3.980	4.230	4.480	4.730
2.420	3.480	3.730	3.980	4.230	4.480	4.730	4.980
Passage (C) (mm)							

