

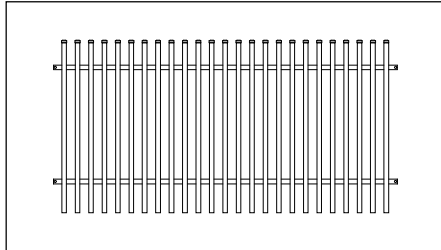
## Fence systems

### General information about infills

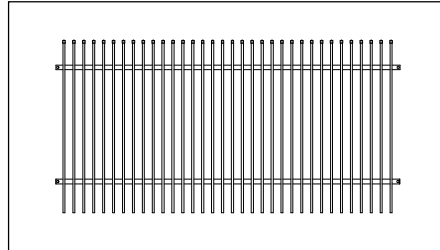
The components of residential fences manufactured by WIŚNIEWSKI are available with infills in six systems: CLASSIC, VARIO, STYLE, PREMIUM, LUX, and MODERN. The standard finish of the top edge is as shown in the figures of individual infill models. The component can be manufactured with other finishing of the top edge, see the Fence Systems Catalogue.

### CLASSIC

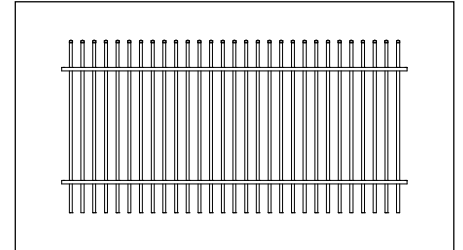
The CLASSIC system infill is made of closed steel shapes topped with caps along the infill top edge.



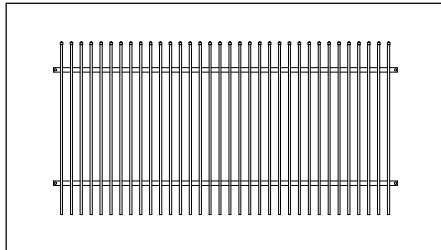
**Fig. 1.** AW.10.01 (□ 40 x 27).



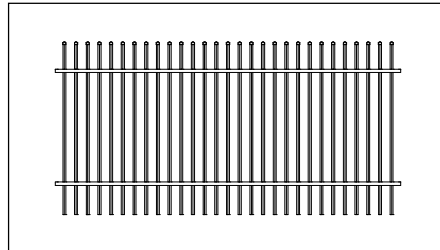
**Fig. 2.** AW.10.02 (□ 18 x 30).



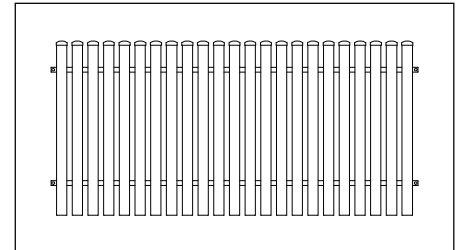
**Fig. 3.** AW.10.04 (∅ 20 in pass through).



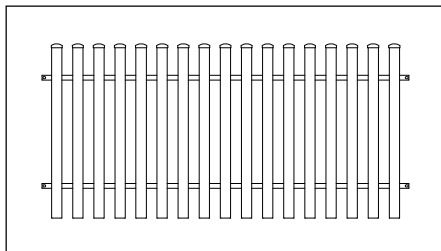
**Fig. 4.** AW.10.05 (□ 20 x 20).



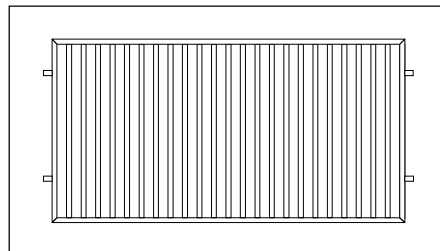
**Fig. 5.** AW.10.06 (∅ 20 x 20 in pass through).



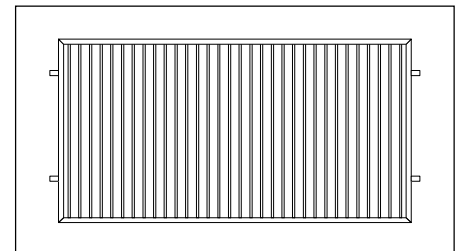
**Fig. 6.** AW.10.16 (□ 70 x 20)



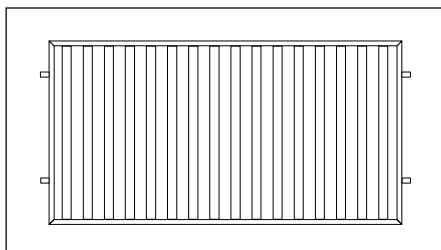
**Fig. 7.** AW.10.17 (□ 70 x 20)



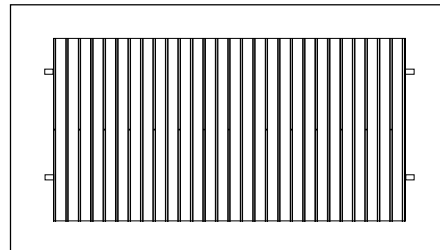
**Fig. 8.** AW.10.70 (□ 40 x 27).



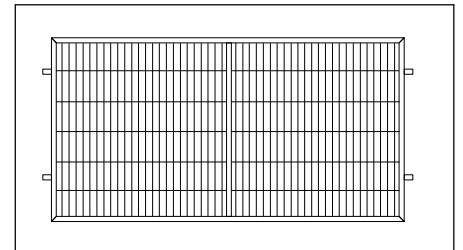
**Fig. 9.** AW.10.71 (□ 20 x 20).



**Fig. 10.** AW.10.72 (□ 70 x 20).



**Fig. 11.** AW.10.TT.



**Fig. 12.** AW.VA.55.

AW.10.01, AW.10.02, AW.10.04, AW.10.05, AW.10.06, AW.10.16, and AW.10.17 designs terminated with plastic caps are available in black (standard) and white (option).



Fig. 13. AW.10.01    Fig. 14. AW.10.02    Fig. 15. AW.10.04    Fig. 16. AW.10.05    Fig. 17. AW.10.16

**CLASSIC - continued**  
**Structures for individual infill**

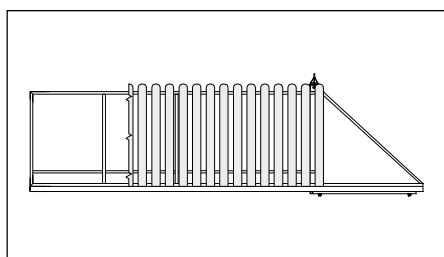


Fig. 18. AW.10.00.

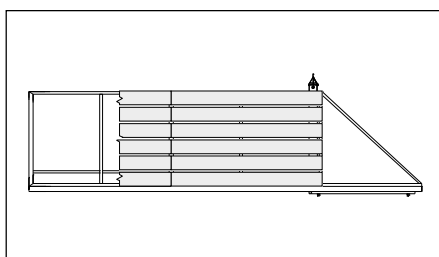


Fig. 19. AW.10.PP.

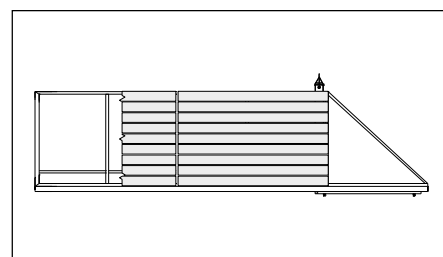


Fig. 20. AW.10.PU.

[Description and prices - see p. 103 >](#)

**VARIO**

The VARIO system infill is made of closed steel shapes topped with decorative finials along the infill top edge.

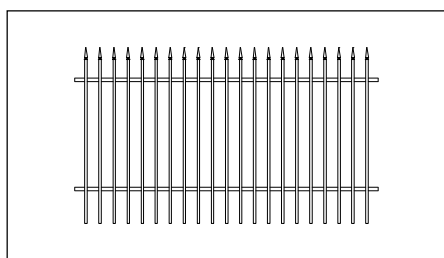


Fig. 21. AW.10.81 (a 20 x 20).

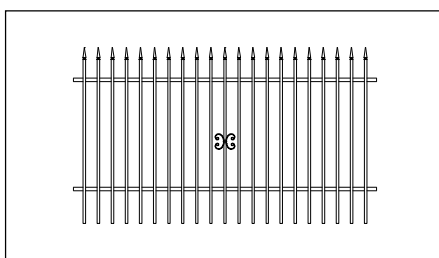


Fig. 22. AW.10.82 (a 20 x 20).

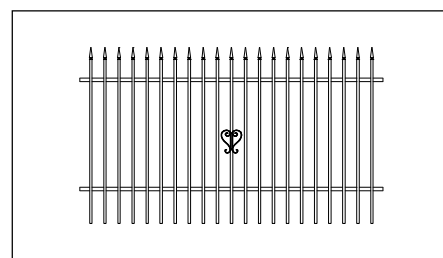


Fig. 23. AW.10.83 (a 20 x 20).

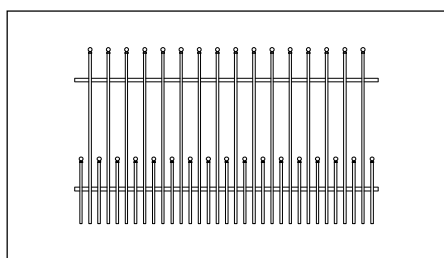


Fig. 24. AW.10.84 (a 20 x 20).



**FL type finial tops**

ABS plastic finial tips are available in: black (standard), silver, white, gold, graphite, green, and brown.

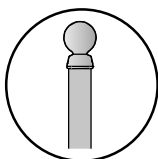


Fig. 25. Top K-ABS (standard for model AW.10.84).

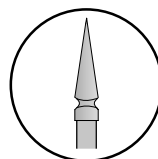


Fig. 26. Top O-ABS (standard for models AW.10.81 AW.10.82, AW.10.83).

**STYLE**

The STYLE system infills are made of steel bars with the cross section of 12 x 12 [mm].

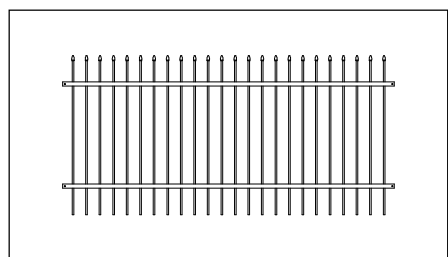


Fig. 27. AW.10.07.

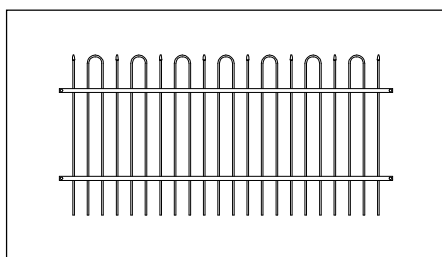


Fig. 28. AW.10.08.

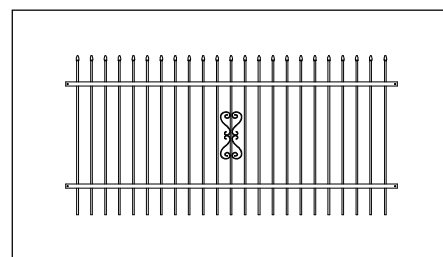


Fig. 29. AW.10.09.

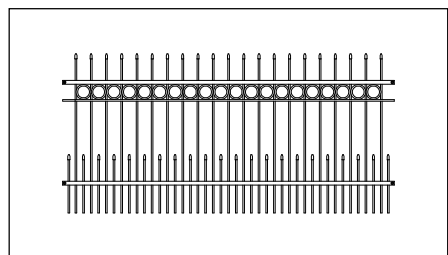


Fig. 30. AW.10.12.

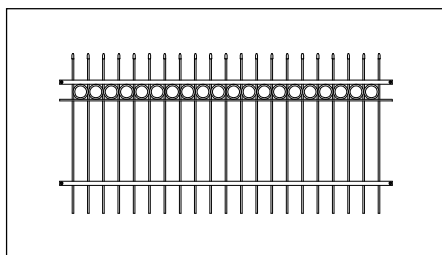


Fig. 31. AW.10.14.

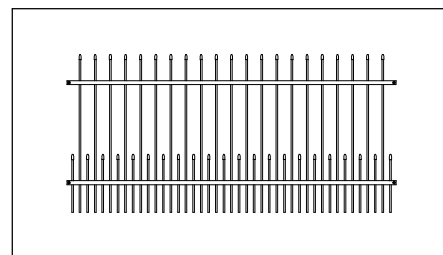


Fig. 32. AW.10.15.

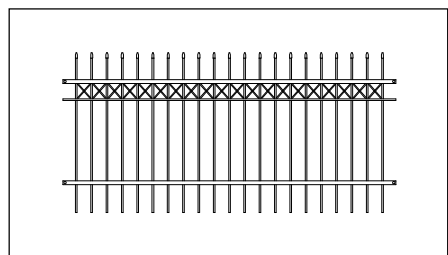


Fig. 33. AW.10.20.

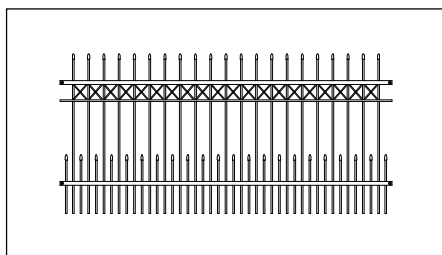


Fig. 34. AW.10.21.

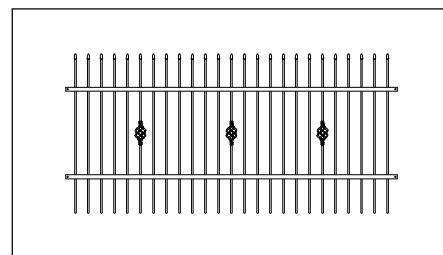


Fig. 35. AW.10.22.

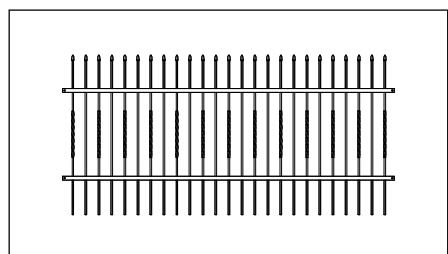


Fig. 36. AW.10.23.

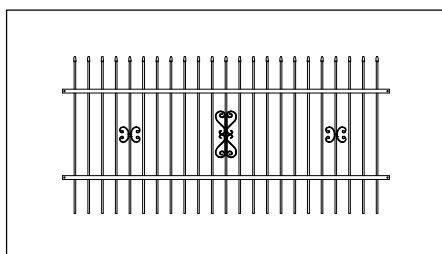


Fig. 37. AW.10.24.

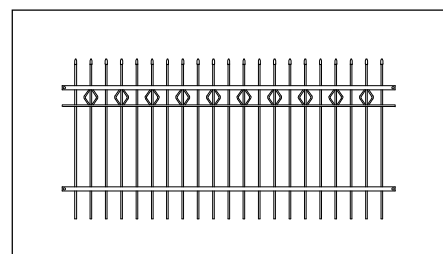


Fig. 38. AW.10.25.

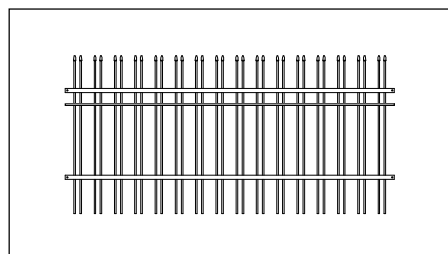


Fig. 39. AW.10.26.



**TOP type tops**

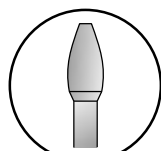


Fig. 40. TOP 1 (standard).

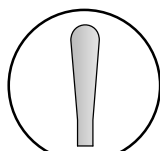


Fig. 41. TOP 3.

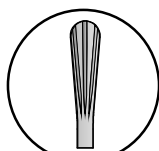


Fig. 42. TOP 4.

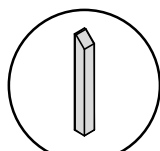


Fig. 43. TOP 6.

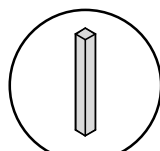


Fig. 44. TOP 7.

□ - straight finish of the top edge

◡ - concave arc finish of the top edge

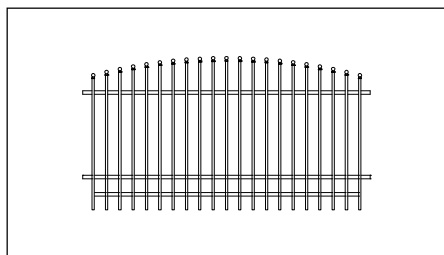
◕ - convex arc finish of the top edge

┌ - railing available

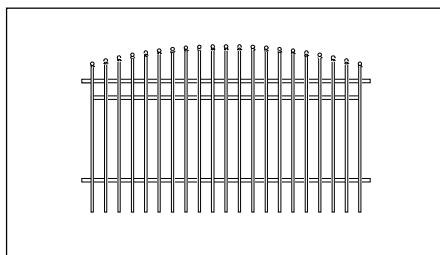
◻ - available in a glazed version

**PREMIUM**

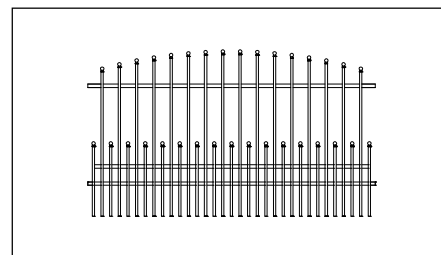
The PREMIUM system infill is made of closed steel shapes topped with decorative tops along the infill top edge.



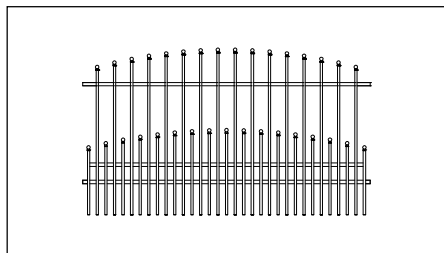
**Fig. 45.** AW.10.63 (□ 20 x 20).



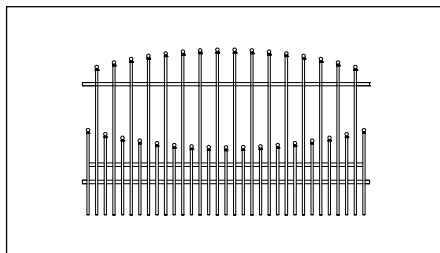
**Fig. 46.** AW.10.64 (□ 20 x 20).



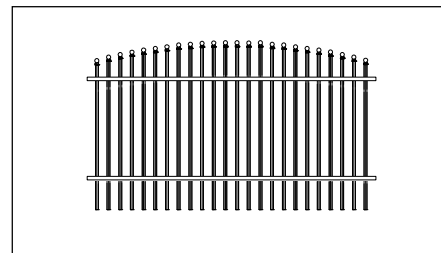
**Fig. 47.** AW.10.65 (□ 20 x 20).



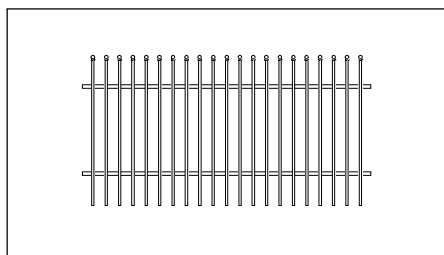
**Fig. 48.** AW.10.66 (□ 20 x 20).



**Fig. 49.** AW.10.67 (□ 20 x 20).



**Fig. 50.** AW.10.68 (◇ 20 x 20 in pass through).

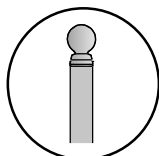


**Fig. 51.** AW.10.69 (□ 20 x 20).



**FL type finial tops**

The KP aluminium ball is available in the colours: silver (standard), black, white and gold.



**Fig. 52.** KP ball.

**LUX**

The LUX system infills are made of steel bars with the cross section of 14 x 14 [mm].

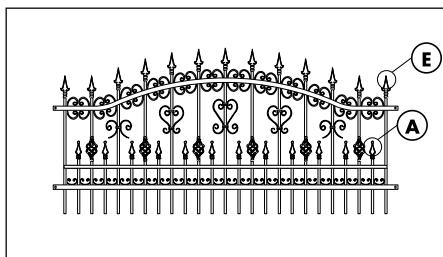


Fig. 53. AW.10.31.

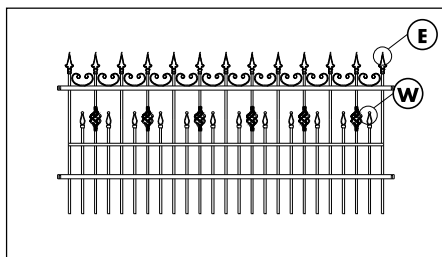


Fig. 54. AW.10.33.

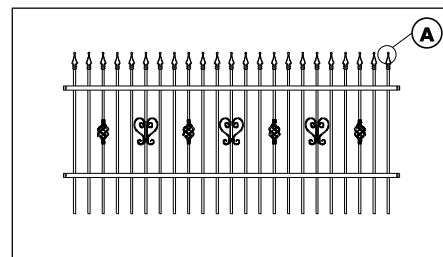


Fig. 55. AW.10.34.

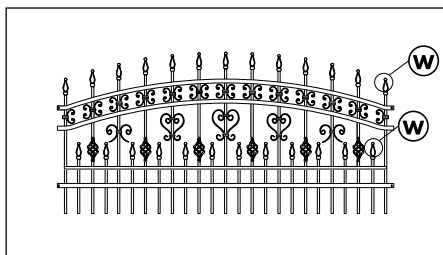


Fig. 56. AW.10.39.

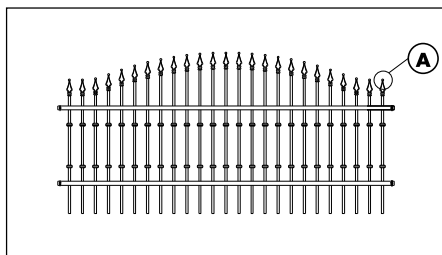


Fig. 57. AW.10.45.

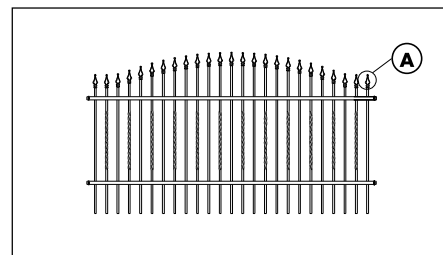


Fig. 58. AW.10.46.

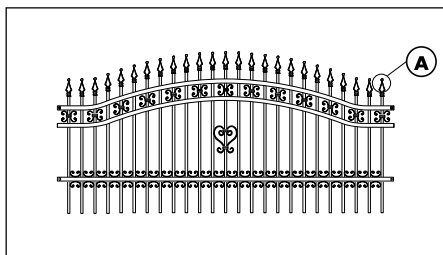


Fig. 59. AW.10.48.

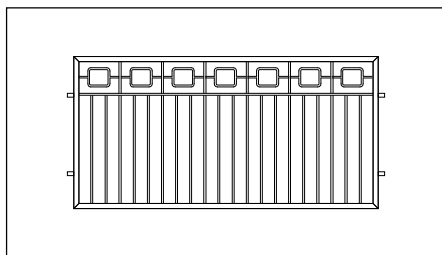


Fig. 60. AW.10.51.

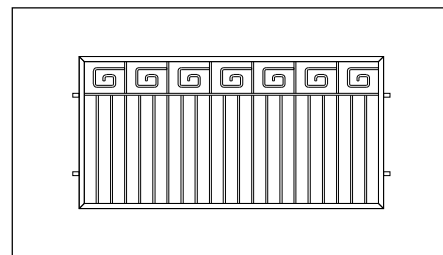


Fig. 61. AW.10.52.

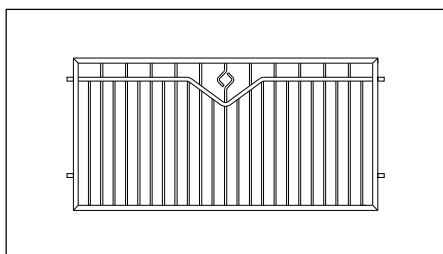


Fig. 62. AW.10.53.

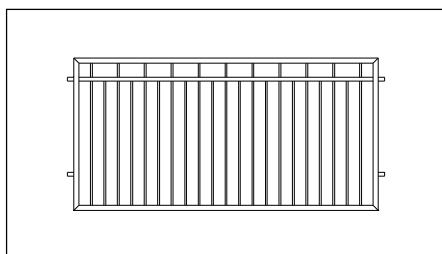


Fig. 63. AW.10.54.

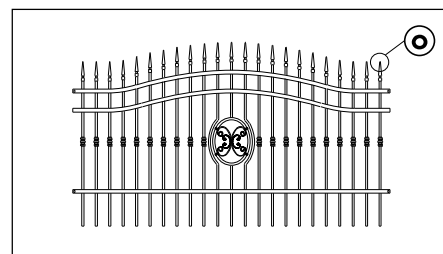


Fig. 64. AW.10.56.

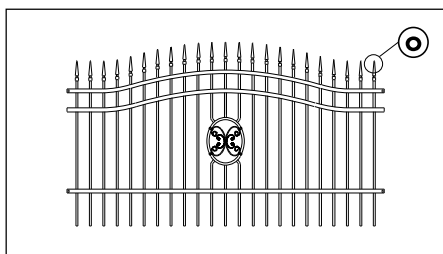


Fig. 65. AW.10.57.

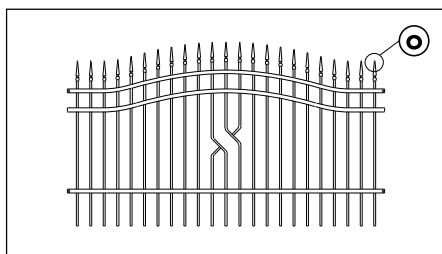


Fig. 66. AW.10.58.

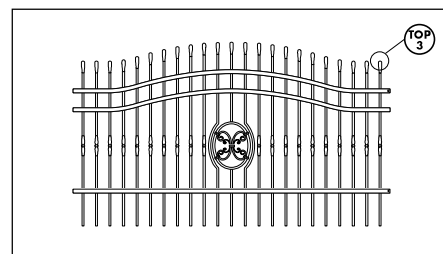


Fig. 67. AW.10.59.

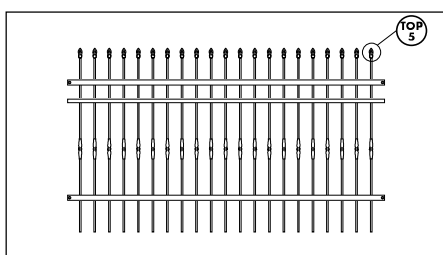


Fig. 68. AW.10.60.

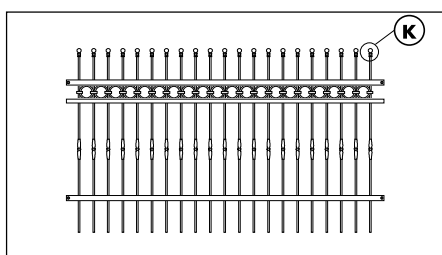


Fig. 69. AW.10.61.

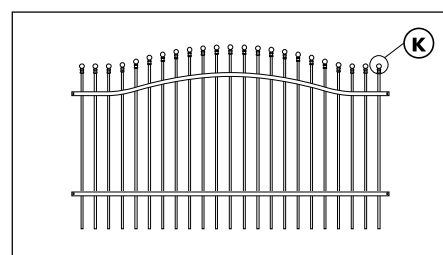


Fig. 70. AW.10.62.

□ - straight finish of the top edge

◡ - concave arc finish of the top edge

◣ - convex arc finish of the top edge

⌋ - railing available

◡ - available in a glazed version

**SP type tops**

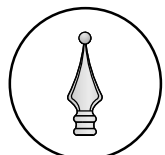


Fig. 71. A top.

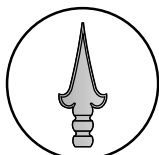


Fig. 72. E top.

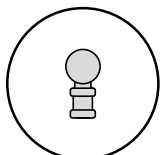


Fig. 73. K top.

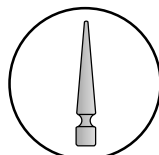


Fig. 74. O top.

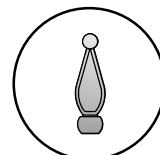


Fig. 75. W top.

**TOP type tops**

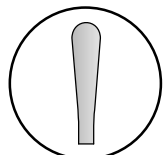


Fig. 76. TOP 3.

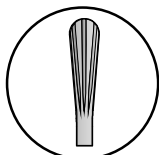


Fig. 77. TOP 4.

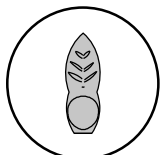


Fig. 78. TOP 5.

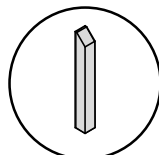


Fig. 79. TOP 6.

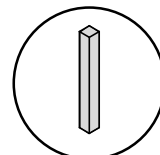


Fig. 80. TOP 7.

**Initials in the LUX system**

It is possible to modify the infill of the following models: AW.10.56, AW.10.57, AW.10.59 by replacing the standard decorative components with letters placed inside the oval part of the segment, the wicket or gate. The infill may contain a maximum of three letters (digits). The design is developed as accepted by the customer.

- design work: **160 EUR**

- extra charge for materials + **32 EUR** (per each oval component with lettering) to the price of the segment (gate, wicket) in special dimensions.

Define the finish: L-1 L-2 or L-3 and specify the lettering (character font dimension is important).

Other finishes can be manufactured. This requires submitting a custom working drawing.

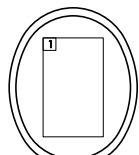


Fig. 81. L-1 finish.

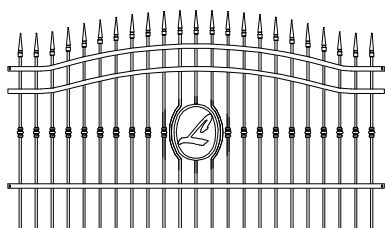


Fig. 82. L-1 finish, 1=L

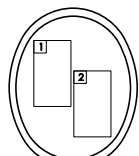


Fig. 83. L-2 finish.

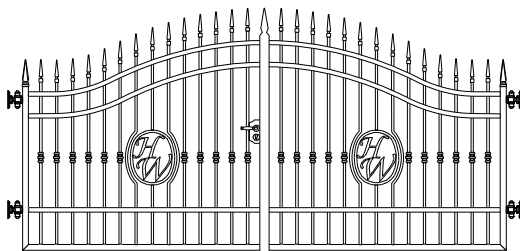


Fig. 84. L-2 finish, 1=H; 2=W.

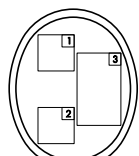


Fig. 85. L-3 finish.

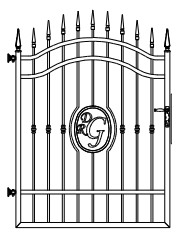
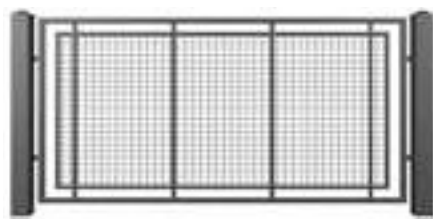


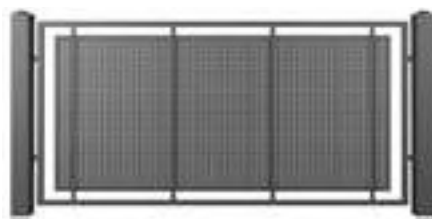
Fig. 86. L-1 finish, 1=D; 2=R; 3=G.

**MODERN**

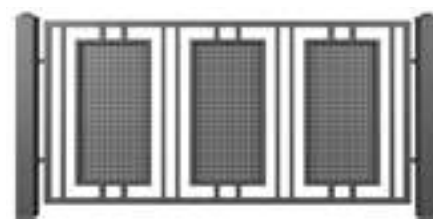
The MODERN system infills are composed of hollow sections and perforated or solid sheets, depending on the design.



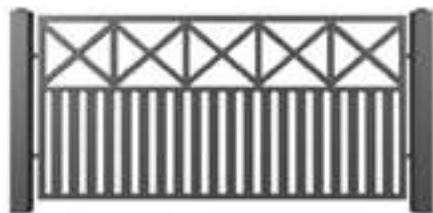
**Fig. 87.** AW.10.100 (ø 5 - welded mesh panel, straight mesh dimension 50 x 50).



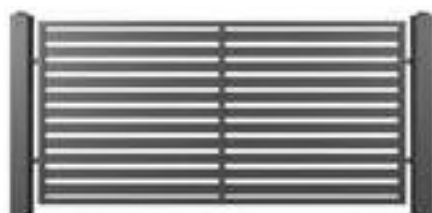
**Fig. 88.** AW 10.101 (perforated sheet: Qg 5-8, Qg 10-30, Rv 5-8, solid sheet).



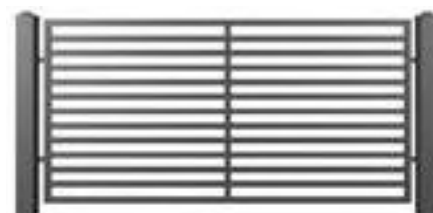
**Fig. 89.** AW 10.102 (perforated sheet: Qg 5-8, Qg 10-30, Rv 5-8, Oz 10-16, solid sheet).



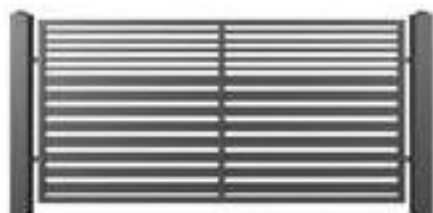
**Fig. 90.** AW.10.103 (70 x 20, 40 x 40).



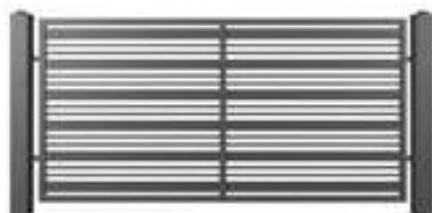
**Fig. 91.** AW.10.104 (≡ 70 x 20).



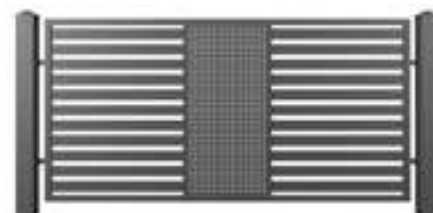
**Fig. 92.** AW.10.105 (≡ 40 x 27).



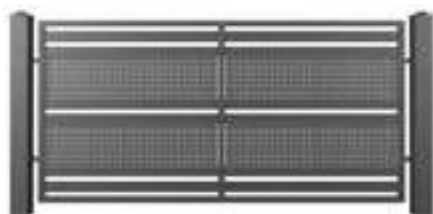
**Fig. 93.** AW.10.106 (30 x 18, 70 x 20).



**Fig. 94.** AW.10.107 (20 x 20, 70 x 20).



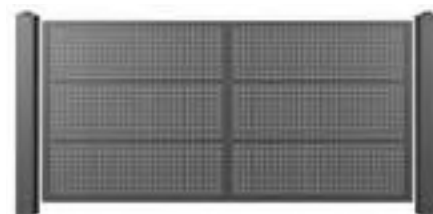
**Fig. 95.** AW.10.108 (70 x 20, perforated sheet: Qg 5-8, Qg 10-30, Rv 5-8, Oz 10-16, solid sheet).



**Fig. 96.** AW.10.109 (70 x 20, perforated sheet: Qg 5-8, Qg 10-30, Rv 5-8, Oz 10-16, solid sheet).



**Fig. 97.** AW.10.110.



**Fig. 98.** AW.10.111 (perforated sheet: Qg 5-8, Qg 10-30, Rv 5-8, solid sheet).



**Fig. 99.** AW.10.112 (perforated sheet: Qg 5-8, Qg 10-30, Rv 5-8, solid sheet).



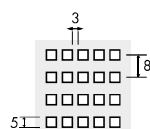
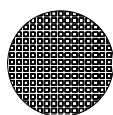
**Fig. 100.** AW.10.114

Available sheet configurations for the AW.10.112 design:

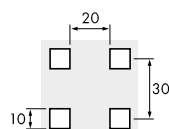
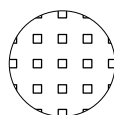
- solid/solid/Qg 10-30
- solid/solid/Qg 5-8
- solid/solid/Rv 5-8
- solid/Qg 10-30/solid
- solid/Qg 5-8/solid
- solid/Rv 5-8/solid
- Qg 10-30/solid/Qg 10-30
- Qg 10-30/Qg 10-30/solid
- Qg 5-8/solid/solid
- Qg 5-8/solid/Qg 5-8
- Rv 5-8/solid/solid
- Rv 5-8/solid/Rv 5-8
- Rv 5-8/Rv 5-8/solid

The sheet configuration is defined from top to down.

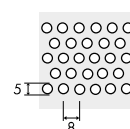
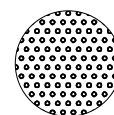
**Infill**



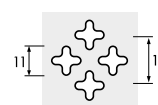
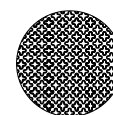
**Fig. 101.** Perforated sheet Qg 5-8.



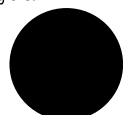
**Fig. 102.** Perforated sheet Qg 10-30.



**Fig. 103.** Perforated sheet Rv 5-8.



**Fig. 104.** Perforated sheet Oz 10-16.



**Fig. 105.** Solid sheet

☐ - straight finish of the top edge

☐ - concave arc finish of the top edge

☐ - convex arc finish of the top edge

☐ - railing available

☐ - available in a glazed version

**Sliding gates**



**Fig. 1.** Manually-operated sliding gate with fence posts.



**Fig. 2.** Power-operated sliding gate with fence posts.



**The post on which the receiver is installed, and the post to which the gate post is attached by an angle bracket, are not included with the gate. They need to be ordered separately, see p. 24 - 26.**

**General information**

Standard finish:

- the cantilever gate with a set of carriage elements, a receiver (in gates with a drive unit and in gates ready for drive unit installation, over  $S_0$  4,500 mm, roller catcher as standard) and an assembly kit (bolts, anchors);
- anti-corrosion protection: hot galvanized or hot galvanized + RAL Standard;
- gate components:
  - leaf infill: steel shapes, bars (depends on the infill model, see p. 6 - 12);
  - the top edge finish is straight or arched (depends on the infill model, see p. 6 - 12 - in standard; other, see the Fence Systems Catalogue);
  - CLASSIC, VARIO, STYLE, PREMIUM, LUX, MODERN systems - 95 x 85 [mm] carrying rail;
  - manually-operated gate - hook lock;
  - power-operated gate - drive installed in the gate post or external, see fig. 6, fig. 7

**Locks, receiver and gate post**

The manually-operated gate features a hook lock with a cylinder (3 keys included) and a handle. The power-operated gate is locked by its drive unit. The gate leaf approaches the receiver during closing.



**Fig. 3.** Manually-operated gate receiver



**Fig. 4.** Power-operated gate receiver up to 4500 [mm]



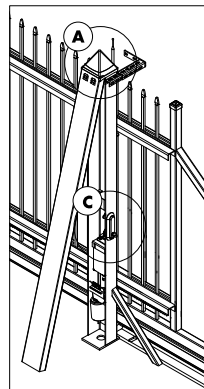
**Fig. 5.** Power-operated gate receiver above 4500 [mm]

**Protection features**

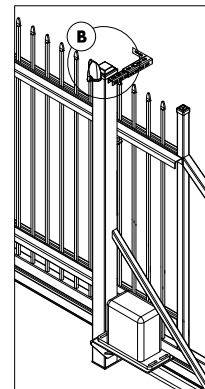
- The overload switch used in power-operated gates; when the leaf reaches an obstacle during movement, it will stop and reverse by ca. 100 [mm].
- Rubber strip (fender) - on the leaf front of all power-operated gates and drive-ready gates.
- Photocells, safety strips, see "Optional accessories", see p. 14.

**Automatic operation units**

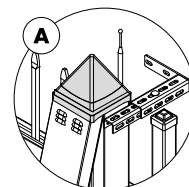
The gate can be equipped with a drive unit which enables opening with radio transmitters or a hard-wired switch. The gate drive unit is installed in a post with a cross section of 120 x 120 [mm] and secured by a cover (the cover of galvanized gates is in RAL 7030 (stone grey)). The cover opening lever disengages the drive unit and once the cover has been removed, the drive can be accessed upon a power failure. The gate can be alternatively equipped with an external drive unit (available from the gate manufacturer) installed on a ledge screwed down to the gate post. Drive unit equipment - see p. 85 "Automatic operation units".



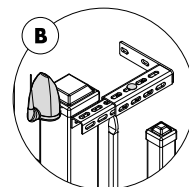
**Fig. 6.** Drive unit in the gate post (AWSo-2000).



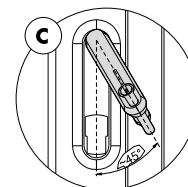
**Fig. 7.** External drive unit.



**Fig. 8.** Detail A - flashing light and antenna.



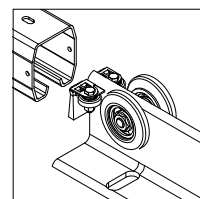
**Fig. 9.** Detail B - flashing light and antenna.



**Fig. 10.** Detail C - drive disengagement lever.

**Carrying rail**

Load-bearing rail, cross-section 95 x 85 [mm], screwed to the gate leaf (standard and special dimensions).



**Fig. 11.** The roller carriage in the 95 x 85 [mm] rail.

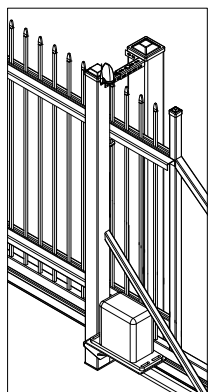
**Gate installation**

The gate is a cantilever structure; the carrying system is set on a foundation with the foundation bolts (pins) are included in the assembly kit (to be concreted).

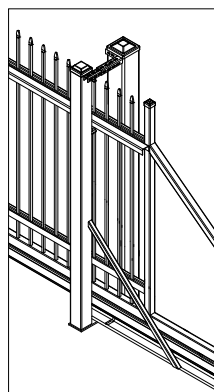
Assembly type:

- B-2** - gate on two foundation bolts (standard for gates P, Wk);
- B-3** - gate on three foundation bolts (standard for gates Wp).

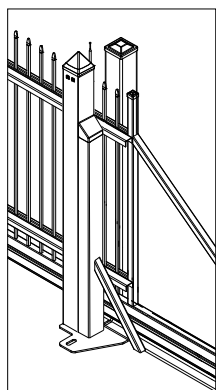




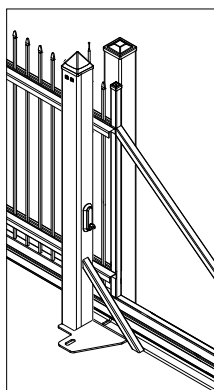
**Fig. 12.** B-2 installation, gate with an external drive.



**Fig. 13.** B-2 installation, manually-operated gate.



**Fig. 14.** B-3/6019 assembly.



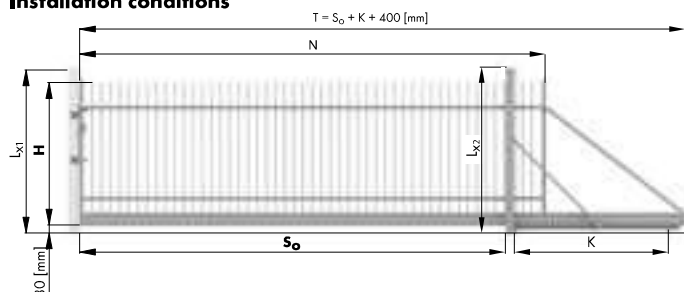
**Fig. 15.** B-3/5015 assembly.

**Delivery**

The gate is delivered as assembled into a single set.

**Assembly dimensions**

**Installation conditions**



**Fig. 16.** The assembly dimensions and their marking required for correct selection and assembly of the sliding gate - right-hand version, view from the premises side.



**The gate post height from the finished drive-through level is ca. H+175 [mm] for gates with standard and special dimensions in the series.**

**S<sub>0</sub>** - distance between posts (ordering dimension);

**H** - leaf height (ordering dimension);

L<sub>x1</sub> - receiver post height, from the entrance opening level;

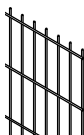
L<sub>x2</sub> - post height from the entrance opening level (H+175 [mm] for B-2 installation, H + 100 [mm] for B-3 installation);

K - distance of foundation bolts (see: price table);

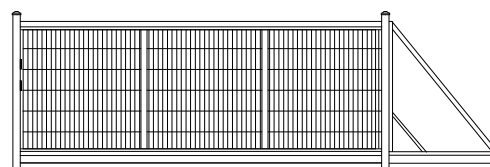
N - infill width for manually-operated gates and gates prepared for the external drive unit (N = S<sub>0</sub> + 500 [mm]); for gates with the drive unit in the post (N = S<sub>0</sub> + 250 [mm]);

T - overall gate leaf length (T = S<sub>0</sub> + K + 400 [mm]).

**Gate with welded mesh panel infill (AW.VA.55)**



The panel made of welded steel bars (single horizontal and vertical bars) - VEGA U86 panel;  
 Horizontal wire diameter: 8 [mm]  
 Vertical wire diameter: 6 [mm]  
 Straight mesh dimension: 50 x 200 [mm].



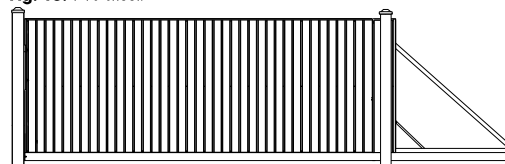
**Fig. 17.** Sliding gate with AW.VA.55 infill - view from the street side (left-hand version).

**Solid infill (AW.10.TT)**

The gate has a single-sided infill from the street side with T-10 trapezoid steel sheet (profile height: 10 [mm]). The sheets are available in the following colours (external): RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7035 (light grey), RAL 8014 (sepia brown) RAL 8017 (chocolate brown), RAL 9006 (white aluminium), RAL 9016 (traffic white), BTX 2701 (crimson), golden oak, nut brown; internal colours: primer (grey or cream). Gates are available infilled with factory coated trapezoidal sheet mounted to the hot-dip galvanized structure or galvanized and powder coated structure. Optionally, the gate is also available infilled with trapezoidal sheet powder coated on both sides, mounted to the galvanized and powder coated structure.



**Fig. 18.** T-10 sheet.



**Fig. 19.** Gate with AW.10.TT infill - view from the street side.

**Optional accessories - available for extra charge**

**Gates other than given in the table of special dimensions**

The gate is available in intermediate dimensions - every 100 [mm] in width and every 50 [mm] in height.

**Additional remote control transmitter**

For power-operated gates. Available in the four-channel version.

**Set of photocells**

The photocells (the transmitter and the receiver) protect from motion of the gate leaf if there are obstacles in the opening. The photocells can be installed on the fence posts or on separate columns.

**Photocell column**

The column is intended to house the photocell. It has a baseplate for fastening to a paved surface. The column for SOMFY photocells is in black.

**Infilled with the VEGA 2D Super panel**

The AW.VA.55 gate can optionally be infilled with the VEGA 2D Super 8/6/8 mesh panel.

**Powder coating in RAL colours**

**Powder coating in standard colours:**

- MATT - RAL 5010 (gentian blue), RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7030 (stone grey), RAL 8014 (sepia brown), RAL 8019 (grey brown), RAL 9005 (jet black).
- MATT STRUCTURE - RAL 9005 (jet black).

**Powder coating in non-standard colours:**

- MATT - RAL 3005 (wine red), RAL 7040 (window grey), RAL 8017 (chocolate brown), RAL 9016 (traffic white).

**Other RAL colours** - contact the Sales Department for available colours.

**Powder coating in special colours:**

- Cast Iron, Quartz.

**Powder coating in Home Inclusive 2.0 colours:**

HI MODERN GRAPHITE, HI SMOKE GREEN, HI WILLOW GREEN, HI FERN GREEN, HI DEEP GREEN, HI COMFORT GREY, HI WARM STONE, HI QUARTZ GREY, HI BROWN STONE, HI TRUE BLUE, HI MARINA HORIZON, HI ANTHRACITE, HI MOODY CORAL, HI FLAME RED, HI MODERN MAROON, HI DEEP BROWN.



**Important colour information - see p. 3 point 1.**

**If multiple gates are ordered in the same colour, partial deliveries (lots) may have varying shades.**

**Replacement of tops**

Applies to the topped infills of the VARIO, STYLE, PREMIUM and LUX systems, see pp. 7 - 11. The replacement is only possible with the tops in the same system. Extra charges, see "Optional accessories", p. 41, 50, 56 and 68.

**Other top edge finishes**



The top edge finishes are presented by the models on p. 6 - 12.



Fig. 20. Marking of the gate top edge finish

- P** - straight finish of the top edge;
- Wp** - convex arc finish of the top edge (if the top edge finish is changed from P to Wp - the gate standard assembly type will be changed from B-2 to B-3);
- Wk** - concave arc finish of the top edge.

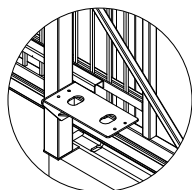
**Mitred finishing**

Applies only to model AW.10.06. The gate top edge is mitred (at 45°) at a minimum height of 1800 [mm] from the finished drive-through level. Specify the mitred finish direction when ordering.



Fig. 21. Mitred finishing in the premises direction Fig. 22. Mitred finishing in the street direction. (standard).

**Gate prepared for the external drive unit**



The gate prepared for the external drive unit (screwed channel for the installation of the rack and the ledge for the drive available in the offer of the gate Manufacturer - see p. 85.

**The gate does not have a lock. If ordering a lock (for manually-operated gates prepared for the external drive unit), specify this in the Order (no rubber strip - fender).**

**Installation on three foundation bolts (B-3 type)**

The gates with the straight or concave arch finish of the top edge are fastened with two foundation bolts. The gate can be fastened with three foundation bolts.

- The B-3/5015 gate with the drive unit in the gate post and the maximum width of 5000 [mm] or the maximum height of 1500 [mm] (see p. 14, Fig. 13).
- The B-3/6019 gate with the drive unit in the gate post reinforced with the additional post for the gates with the width of over 5000 [mm] or the height of over 1500 [mm] (see p. 14, Fig. 12). The cover opening lever of the gate post from the drive-through width side.
- The manually-operated gate and the gate with the external drive - in the entire dimension range without the additional reinforcement post.



**Installation with four foundation anchors (type B-4)**

The manually-operated gate, the gate with an external drive unit and with the drive unit integrated with the post available with a double guiding frame mounted to the foundation with four foundation anchors.

**Additional foundation kits**

Additional complete assembly kits for foundation work can be ordered in prior. The following is available depending on the assembly method and the gate type:

- **B-2 (M20)** kit: 2 x M20 anchors, 4 x washers, 4 x M20 nuts;
- **B-3 (M20)** kit: 3 x M20 anchors, 6 x washers, 6 x M20 nuts;
- **EKO (M16)** kit: 2 x M16 anchors, 4 x washers, 4 x M16 nuts;
- Kit for **wheeled gate (M16)**: 4 x M16 anchors, 8 x washers, 8 x M16 nuts.

**PK wheeled sliding gate**

The sliding gate features running wheels; the leaf moves on a rail screwed down to the surface (FLOOR - standard) or embedded in concrete (OMEGA

- optional accessory for extra charge). The 120 x 80 [mm] carrying shape (the wheels are integrated in the shape). Due to the variances in the clearance it is recommended to choose the ordering height with the following formula: **H = Hr - 30 [m m]**.

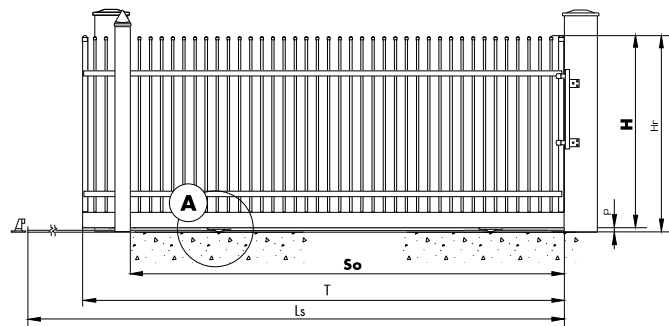


Fig. 23. The assembly dimensions and their marking required for correct selection and assembly of the wheeled sliding gate - left-hand version, view from the premises side.

**So** - distance between posts (ordering dimension);  
**H** - leaf height (ordering dimension);

- Hr - height of the top edge over the surface;
- P - clearance (depends on the rail, see Fig. 22-Fig. 24);
- Ls - overall rail length,  $Ls = 2 \times So + 500$  [mm] (except for the gate with the AWso2018 drive unit,  $Ls = 2 \times So + 250$  [mm]);
- T - overall gate leaf length ( $T = So + K + 500$  [mm] (except for the gate with the AWso2018  $T = So + 250$  [mm])).

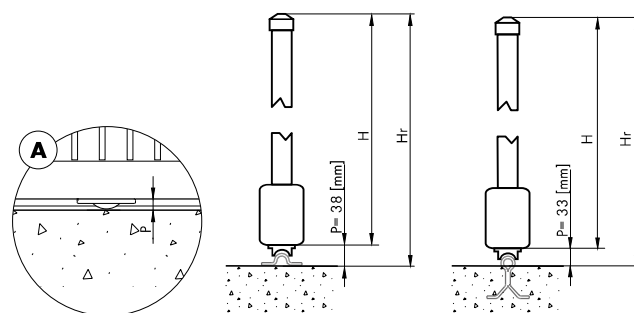
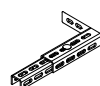


Fig. 24. 120 x 80 [mm] carry-ing shape. Fig. 25. FLOOR running rail. Fig. 26. OMEGA running rail.



The gate post features a gate fastener - refers to the gates with the height H > 1500 [mm].

**Availability of accessories**

	Dimensions	
	standard	special
<b>Automatic operation units</b>	see p. 85	
<b>Gates other than given in the table of special dimensions</b>	—	●
<b>Powder coating in non-standard colours</b>	●	●
<b>Powder coating in other RAL colours</b>	—	●
<b>Powder coating in special colours, HI 2.0</b>	●	●
<b>Other top edge finishes</b>	—	●
<b>Foundation kit</b>	●	●
<b>Replacement of tops</b>	—	●
<b>Installation on three foundation bolts (B-3 type)</b>	—	●
<b>Installation on four foundation bolts (B-4 type)</b>	—	●
<b>Mitred finishing</b>	—	●
<b>Gate prepared for the external drive unit</b>	—	●
<b>PK wheeled gate</b>	—	●
<b>Infilled with the VEGA 2D Super panel</b>	●	●

● Available — Unavailable

**Double-leaf gates**



Fig. 1. Manually-operated double-leaf gate with fence posts.



Fig. 2. Power-operated double-leaf gate with fence posts.



The gate is not equipped with posts. They have to be ordered separately. Selection of post cross sections, see p. 24, tab. 1 and 2.

**General information**

Standard finish:

- manually-operated gate - standard lock (mortise); models AW.10.56, AW.10.57, AW.10.58 - external lock (LOCINOX);
- anti-corrosion protection: hot galvanized or hot galvanized + RAL Standard;
- gate components:
  - infill: steel shapes, bars (depends on the infill model, see p. 6 - 12);
  - the top edge finish is straight or arched (depends on the infill model, see p. 6 - 12 in standard); other, see the Fence Systems Catalogue;
  - right active leaf (standard, view from the premises side);
  - symmetrical leaves; passive leaf with a vertical bolt,
  - stops with protection from accidental leaf closing in the manually-operated gate, 2 pieces;
  - cross bar for drive unit installation - available in standard;
  - gate installed to posts on assembly plate (standard);
  - power-operated gate - no lock or bolt;
  - for models AW.10.56, AW.10.57, AW.10.58, AW.10.59, AW.10.62, the double-leaf gate is available with arch  $c = 150$  and  $c = 350$  [mm]. The recommended arch is  $c = 350$  [mm] (visual considerations), the gate is 200 [mm] higher than the fence line.

**Lock and hinges**

**Lock**

The manually-operated gate is equipped with a lock and cylinder (three keys included) and a bolt to lock the leaf in the ground. As seen from the premises side, the left (passive) leaf is bolted to the surface, while the right (active) leaf features the lock. The power-operated gates have self-locking drives, i.e. they can hold the gate leaf open or closed without additional bolts or electromagnetic locks.

**The power-operated gate features no lock or bolt.**

**CLASSIC / VARIO system**

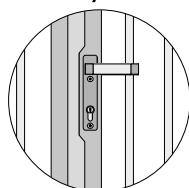


Fig. 3. Gate with standard lock.

**STYLE / LUX system**

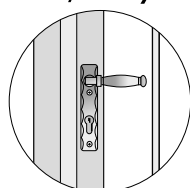


Fig. 4. Gate with standard lock.

**LUX system**

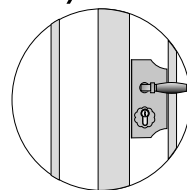


Fig. 5. Gate with the LOCINOX lock model: AW.10.56, AW.10.57, AW.10.58.

**PREMIUM / MODERN system**

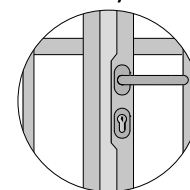


Fig. 6. Handle with plates.

**Hinges**

The gate has the hinges fastened to the assembly plates in standard. Other assembly types are available, see "Optional accessories", see p. 18 (Fig. 18, Fig. 19).

**Protection features**

- Protection from accidental closing of the manually-operated gate - in standard.
- Photocells, see "Optional accessories", see p. 17.

**Automatic operation units**

**Minimum width of the power-operated gate leaf = 1000 [mm].**

The gate can be equipped with a drive unit which enables opening with radio transmitters. Upon a power failure each drive can be disengaged by a drive mechanism release lock. The following presents the drive unit types (Fig. 7, Fig. 8) offered by the gate Manufacturer for posts of various cross sections.



**Before installing the drives, pay attention to the material the posts are made of.**

**Posts with concrete cores and porous material finish:**

chequer brick, lime-sand hollow bricks, foam hollow bricks and other materials with air voids. In this case the drives must be offset with anchoring sleeves (steel mesh), steel anchors set in the concrete core and fast-setting injection mortar.

**Posts with concrete cores and solid material finish:**

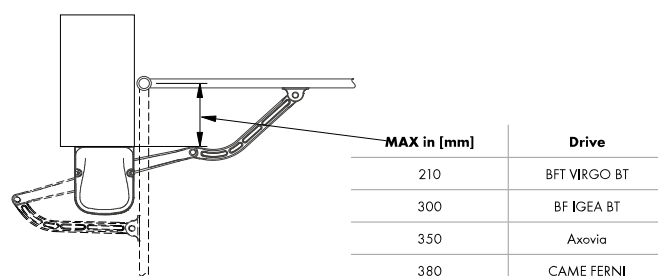
concrete, light concrete, natural rock, solid bricks, silicate bricks and other solid construction materials. The anchoring sleeves are unnecessary; set the steel anchors in the concrete core and use fast-setting injection mortar.

**Posts without concrete cores**

They cannot be used for setting of the drives (installation of the drives may damage the post or be hazardous to the user).

**Equipment - the automatic operation unit includes:**

complete sets, depending on the drive unit type, see p. 86.



See the installation instructions of the drive unit manufacturer for more information.

Fig. 7. The drive unit with folded arm for wide posts

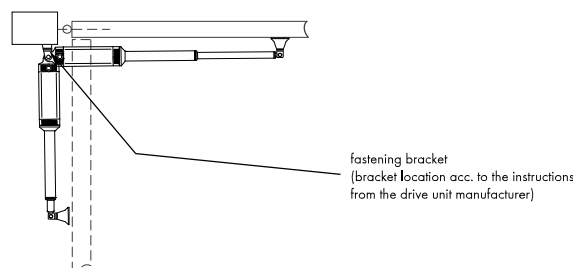


Fig. 8. Linear drive unit.

**Power-operated gate**

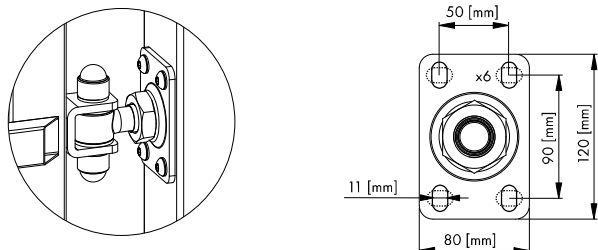
The double-leaf gate ordered with system posts (applies to BD, KD and FD) with the optional BFT PHOBOS BT A25 (+) or BFT PHOBOS BT A40 (+) drive unit, is prepared for the drive unit in standard. The post has drilled holes with installed rivet nuts for fixing the drive unit bracket; and the gate leaf has drilled holes for fixing the drive unit bracket. The drive units listed above feature adjustable fastening brackets.



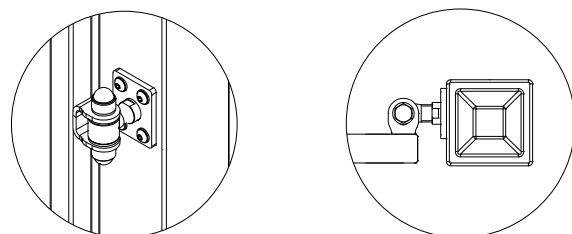
**Fig. 9.** Adjustable brackets for the BFT PHOBOS BT A25 and BFT PHOBOS BT A40 drive units.

**Gate installation**

The gate (applies to the CLASSIC, VARIO, STYLE, PREMIUM, and LUX systems for installation on steel or concrete posts, and the MODERN system for installation on concrete posts) is installed in standard to the post with assembly baseplates (B type) sized 80 x 120 x 6 [mm] with pre-drilled holes. Description of posts: see p. 24 - 26. The MODERN gate is installed in standard to the steel post (min. cross-section: 120 x 120 [mm]) with M type assembly baseplates. M type is available only for inward-opened gates.

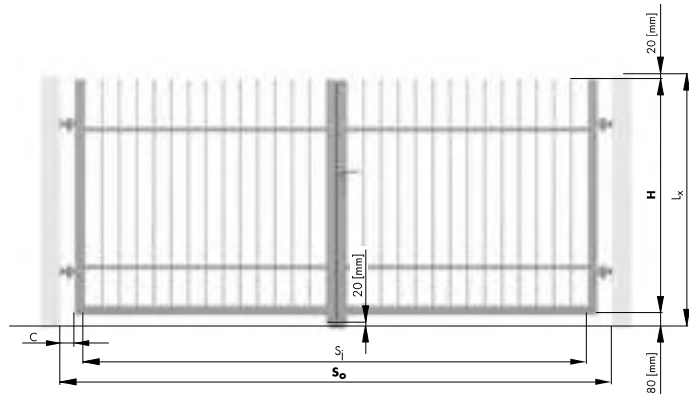


**Fig. 10.** Gate: standard installation type (Classic, Vario, Style, Premium, Lux, and Modern systems with installation on concrete posts).



**Fig. 11.** Gate: standard installation type (Modern type with installation on steel posts).

**Assembly dimensions**  
**Installation conditions**



**Fig. 12.** The assembly dimensions and their marking required for correct selection and assembly of the double-leaf gate - view from the premises side.

**Drive-through clear width Sj depending on the assembly type**

	drive-through clear width (Sj) in [mm]		distance (C) in [mm]
	manually-operated gate	power-operated gate	
Type: B - assembly plate	S <sub>j</sub> - 250	S <sub>j</sub> - 200	105
Type: C - optional	S <sub>j</sub> - 220	S <sub>j</sub> - 160	90
Type: E - assembly channel	S <sub>j</sub> - 320	S <sub>j</sub> - 260	90
Type: M - assembly plate	S <sub>j</sub> - 220	S <sub>j</sub> - 160	40

**So - distance between posts (ordering dimension);**

**H - leaf height (ordering dimension);**

S<sub>j</sub> - drive-through width with the gate installed;

C - distance between the gate leaf edge and the channel (assembly) edge on the hinge side;

Lx - post height from the drive-through level.

**Gate with welded mesh panel infill (AW.VA.55)**

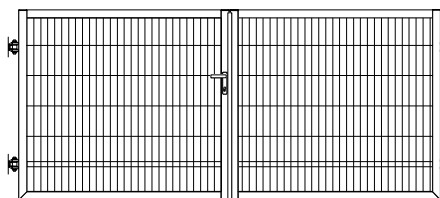
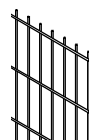
The panel made of welded steel bars (single horizontal and vertical bars) - VEGA U86 panel;

Horizontal wire diameter: 8 [mm]

Vertical wire diameter: 6 [mm]

Straight mesh size: 50 x 200 [mm],

The AW.VA.55 infill model is required for double-leaf gates; the further part of the fence line can be made with Vega welded mesh panels (see the valid Industrial Fences Price List).



**Fig. 13.** Double-leaf gate with AW.VA.55 infill - view from the street side.

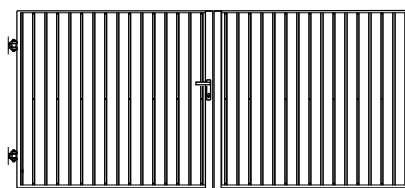
**Solid infill (AW.10.TT)**

The gate has a single-sided infill from the street side with T-10 trapezoid steel sheet (profile height: 10 [mm]). The sheet is riveted to the structure. Standard lock - LO-CINOX locks are unavailable. The sheets are available in the following colours (external): RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7035 (light grey), RAL 8014 (sepia brown) RAL 8017 (chocolate brown), RAL 9006 (white aluminium), RAL 9016 (traffic white), BTX 2701 (crimson), golden oak, nut brown; internal colours: primer (grey or cream).

Gates are available with factory coated trapezoidal sheet mounted to the hot-dip galvanized structure or galvanized and powder coated structure. Optionally, the gate is also available infilled with trapezoidal sheet powder coated on both sides, mounted to the galvanized and powder coated structure.



**Fig. 14.** T-10 sheet.



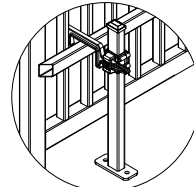
**Fig. 15.** Double-leaf gate with AW.10.TT infill - view from the street side.



**The maximum surface of the sheet infill is 12 [m<sup>2</sup>]**

**Protection from accidental gate closing**

The protection from accidental closing movement of the leaf is used in manually-operated gates only.



**Fig. 16.** Stop (guard) with protection from accidental leaf closing in the manually-operated gate.

**Optional accessories - available for extra charge**

**Gates other than given in the table of special dimensions**

The gate is available in intermediate dimensions - every 100 [mm] in width and every 50 [mm] in height.

**Additional remote control transmitter**

For power-operated gates. Available in the four-channel version.

**Set of photocells**

The photocells (the transmitter and the receiver) protect from motion of the gate leaf if there are obstacles in the opening. The photocells can be installed on the fence posts or on separate columns.

### Photocell column

The column is intended for photocell installation. It has a baseplate for fastening to a paved surface. The BFT photocells (DESME) have the columns in black; the CAME photocells (DIR 10) have the columns in aluminium.

### Bracket for photocell installation on the post

A 60 x 40 [mm] shape for installation of the photocell on the post on the street side. The bracket with inner plastic plug is in black.

### Infilled with the VEGA 2D Super panel

The AW.VA.55 gate can optionally be infilled with the VEGA 2D Super 8/6/8 mesh panel.

### Powder coating in RAL colours

#### Powder coating in standard colours:

- MATT - RAL 5010 (gentian blue), RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7030 (stone grey), RAL 8014 (sepia brown), RAL 8019 (grey brown), RAL 9005 (jet black).
- MATT STRUCTURE - RAL 9005 (jet black).

#### Powder coating in non-standard colours:

- MATT - RAL 3005 (wine red), RAL 7040 (window grey), RAL 8017 (chocolate brown), RAL 9016 (traffic white).

**Other RAL colours** - contact the Sales Department for available colours.

#### Powder coating in special colours:

- Cast Iron, Quartz.

#### Powder coating in Home Inclusive 2.0 colours:

HI MODERN GRAPHITE, HI SMOKE GREEN, HI WILLOW GREEN, HI FERN GREEN, HI DEEP GREEN, HI COMFORT GREY, HI WARM STONE, HI QUARTZ GREY, HI BROWN STONE, HI TRUE BLUE, HI MARINA HORIZON, HI ANTHRACITE, HI MOODY CORAL, HI FLAME RED, HI MODERN MAROON, HI DEEP BROWN.



**Important colour information - see p. 3 point 1.**

**If multiple products are ordered in the same colour, individual partial deliveries (lots) may differ in shades.**

### Other top edge finishes



**The top edge finishes are presented by the models on p. 6 - 12**



**Fig. 17.** Marking of the gate top edge finish

**P** - straight finish of the top edge;

**Wp** - convex arc finish of the top edge.

**Wk** - concave arc finish of the top edge.

### Replacement of tops

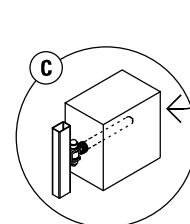
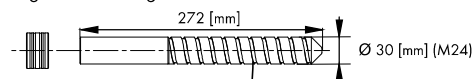
Applies to the topped infills of the VARIO, STYLE, PREMIUM and LUX systems, see p. 7 - 11. The replacement is only possible with the tops in the same system. Extra charges, see "Optional accessories", p. 41, 50, 56 and 68.

### Non-standard hinge assembly type

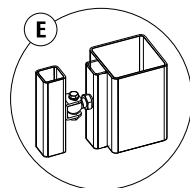
The gate can be installed directly to the post by using one of the optional hinge assembly types.

**C type assembly** - the hinges are fastened to a concrete post. The assembly involves setting the hinge pin in the opening cut in the post. The pin is embedded in a fast-setting injection mortar.

**E type assembly** - the hinges are fastened to assembly channels. The hinges are aligned with the gate axis.



**Fig. 18.** C type assembly.



**Fig. 19.** E type assembly.

### External lock (LOCINOX)

External LOCINOX lock is available. This option is available for manually-operated gates only. Unavailable with AW.10.00, AW.10.TT, AW.10.01, AW.10.02, AW.10.05, AW.10.16, AW.10.17, AW.10.70, AW.10.71, AW.10.72, AW.10.81, AW.10.82, AW.10.83, AW.10.84, AW.10.100, AW.10.101, AW.10.102,

AW.10.103, AW.10.PP and MODERN system.

### Gate prepared for the external drive unit

The gate prepared for the external drive unit. The gate features cross bars for installation of the drive. The gate does not have a lock or bolt. If ordering a lock and a bolt (for manually-operated gates), specify this in the Order.

### Asymmetrical leaves

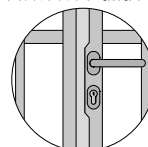
Specify the dimensions of individual leaves in the Order. The maximum leaf dimension of manually-operated and power-operated gates is 3000 [mm]. Minimum width of the power-operated gate leaf 1/2  $S_0 = 1000$  [mm].

### Single-leaf gate

The single-leaf gate intended to close off the driveway into the premises. Maximum leaf dimension  $S_0 = 3000$  [mm]. The gate is available in the manually-operated version (with a lock) and the power-operated version (without a lock). Minimum width of the power-operated gate leaf  $S_0 = 1000$  [mm].

### Handle with plates, stainless steel

A stainless steel handle with plates can be applied optionally in the CLASSIC, VARIO, STYLE and LUX systems (standard in PREMIUM and MODERN). Standard lock. This option is available for manually-operated gates only. Unavailable for AW.10.00 and AW.10.TT.



**Fig. 20.** Handle with plates.



**Fig. 21.** P1 pull.



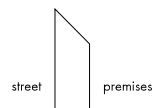
**Fig. 22.** P5 pull.



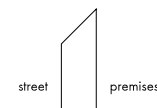
**Fig. 23.** Q5 pull.

### Mitred finishing

Applies only to the model AW.10.06. The gate top edge is mitred (at 45°) at a minimum height of 1800 [mm] from the finished drive-through level. Specify the mitred finishing direction when ordering.



**Fig. 24.** Mitred finishing in the premises direction (standard).



**Fig. 25.** Mitred finishing in the street direction.

### Fascia panel

Angle bar, 140 x 15 x 2 [mm], length adapted to gate height, mounted to steel posts (at least 120x120) or masonry posts.

Can be used with Type B, Type M, Type C, and Type E installation systems.

### Availability of accessories

	Dimensions	
	standard	special
<b>Automatic operation units</b>	see p. 86	
<b>Product other than given in the table of special dimensions</b>	—	●
<b>Powder coating in non-standard colours</b>	●	●
<b>Powder coating in other RAL colours</b>	—	●
<b>Powder coating in special colours, HI 2.0</b>	●	●
<b>Other top edge finishes</b>	—	●
<b>Replacement of tops</b>	—	●
<b>Non-standard hinge assembly type</b>	—	●
<b>External lock (LOCINOX)</b>	●	●
<b>Handle with plates, stainless steel</b>	—	●
<b>Asymmetrical leaves</b>	—	●
<b>Mitred finishing</b>	—	●
<b>Single-leaf gate</b>	—	●
<b>Gate preparation for the drive (gate w/o lock or bolt)</b>	—	●
<b>Bracket for photocell installation on the post</b>	●	●
<b>Infilled with the VEGA 2D Super panel</b>	●	●
<b>Fascia panel</b>	●	●

● Available — Unavailable

**Wickets**



Fig. 1. The wicket with the fence posts.



**The wicket is not equipped with posts. They have to be ordered separately. Selection of post cross sections, see p. 25, Tab. 3 and 4.**

**General information**

Standard finish:

- manually-operated wicket - standard lock (mortise);
- anti-corrosion protection: hot galvanized or hot galvanized + RAL Standard;
- wicket components:
  - leaf infill: steel shapes, bars; (depending on the infill models, see p. 6 - 12);
  - the top edge finish is straight or arched (depends on the infill model, see p. 6 - 12 - in standard; other, see the Fence Systems Catalogue);
  - wicket installed to posts on assembly plates (standard);
  - wicket with  $S_o > 1350$  [mm] - as a single-leaf gate;
  - wicket opening direction, see p. 21.
- for models AW.10.31 AW.10.39, AW.10.48, the wicket of  $S_o < 900$  is available with arch  $c$  max = 100. Order a wicket which is 100 [mm] lower than the fence line.
- for models AW.10.56, AW.10.57, AW.10.58, AW.10.59, the wicket of  $S_o < 900$  is available with arch  $c$  max = 100. Order a wicket which is 50 [mm] lower than the fence line.

**Lock and hinges**

**Lock**

The wicket has a standard (mortise) lock with a cylinder (three keys included).

**CLASSIC / VARIO system**

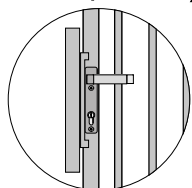


Fig. 2. Wicket with standard lock.

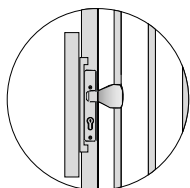


Fig. 3. Wicket with electromagnetic lock.

**STYLE / LUX system**

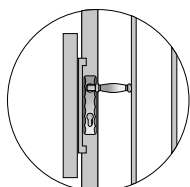


Fig. 4. Wicket with standard lock.

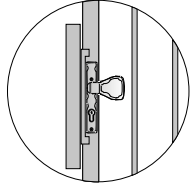


Fig. 5. Wicket with electromagnetic lock.

**PREMIUM / MODERN system**

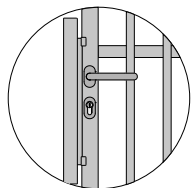


Fig. 6. Handle - handle with plates - version for manually-operated wickets.

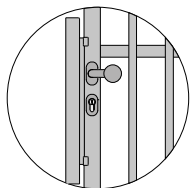


Fig. 7. Knob - knob with plates - version for wickets with electromagnetic locks.

**Hinges**

The wicket has the hinges installed on assembly plates in standard. The hinges are aligned with the wicket axis - "Optional accessories" see p. 20.

**Wicket installation**

The wicket (applies to the CLASSIC, VARIO, STYLE, PREMIUM, and LUX systems for installation on steel or concrete posts, and the MODERN system for installation on concrete posts) is installed in standard to the post with assembly baseplates (B type) sized 70 x 70 x 4 [mm] with pre-drilled holes. Description of posts with prices: see p. 24 - 26. The wicket (MODERN for steel posts) is installed in standard to the post (min. cross-section: 100 x 100 [mm]) with M type assembly baseplates. M type is available only for inward-opened wickets.

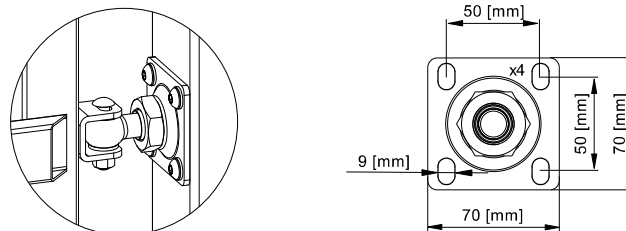


Fig. 8. Wicket: standard installation type (CLASSIC, VARIO, STYLE, PREMIUM, LUX, and MODERN systems with installation on concrete posts).

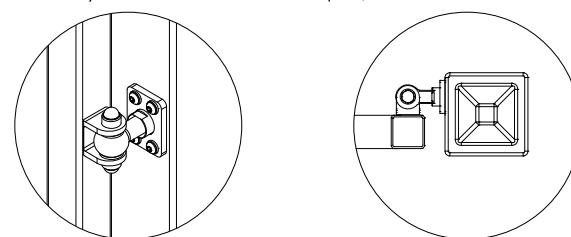


Fig. 9. Wicket: standard installation type (MODERN type with installation on steel posts).

**Assembly dimensions**

**Installation conditions**

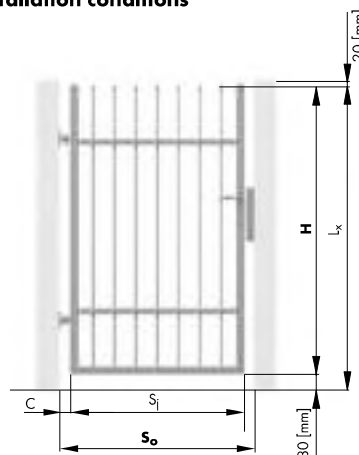


Fig. 10. The assembly dimensions and their marking required for correct selection and assembly of the wicket - view from the premises side.

**Passage clear width  $S_j$  depending on the assembly type**

	passage clear width ( $S_j$ ) in [mm]	distance (C) in [mm](C) in [mm]
Type: B - assembly plate	$S_o = 175$	70
Type: C	$S_o = 160$	55
Type: E Type: O	$S_o = 195$	55
Type: M - assembly plate	$S_o = 100$	25

**$S_o$  - distance between posts (ordering dimension);**

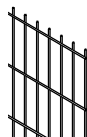
**H - wicket leaf height (ordering dimension);**

$S_j$  - passage width with the wicket installed;

C - distance between the wicket leaf edge and the channel (post) edge on the hinge side;

$L_x$  - post height from the passage level.

**Wicket with welded mesh panel infill (AW.VA.55)**



The panel made of welded steel bars (single horizontal and vertical bars) - VEGA U86 panel;  
 Horizontal wire diameter: 8 [mm]  
 Vertical wire diameter: 6 [mm]  
 Straight mesh size: 50 x 200 [mm],  
 The AW.VA.55 infill model is required for wickets; the further part of the fence line can be made with Vega welded mesh panels (see the valid Industrial Fences Price List).

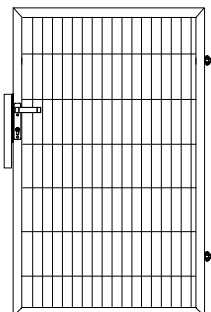


Fig. 11. Wicket with AW.VA.55 infill - view from the street side.

**Solid infill (AW.10.TT)**

The wicket has a single-sided infill from the street side with T-10 trapezoid steel sheet (profile height: 10 [mm]). The sheet is riveted to the structure. Standard lock - LOCINOX locks are unavailable. The sheets are available in the following colours (external): RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7035 (light grey), RAL 8014 (sepia brown) RAL 8017 (chocolate brown), RAL 9006 (white aluminium), RAL 9016 (traffic white), BTX 2701 (crimson), golden oak, nut brown; internal colours: primer (grey or cream). Wickets are available infilled with factory coated trapezoidal sheet mounted to the hot-dip galvanized structure or galvanized and powder coated structure. Optionally, the wicket is also available infilled with trapezoidal sheet powder coated on both sides, mounted to the galvanized and powder coated structure.

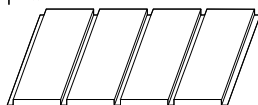


Fig. 12. T-10 sheet.

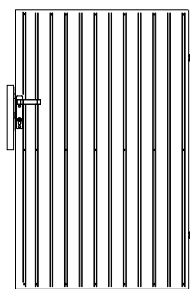


Fig. 13. Wicket with AW.10.TT infill - view from the street side.



The maximum surface of the sheet infill is 2.5 [m2]

**Optional accessories - available for extra charge**

**Wickets other than given in the table of special dimensions**

The wicket is available in intermediate dimensions - every 50 [mm] in width and 50 [mm] in height.  
 Minimal wicket dimensions (width x height) 800 x 1000 [mm] (models AW.10.39 and AW.10.48, see the Fence Systems Catalogue).

**Replacement of tops**

Applies to the topped infills of the VARIO, STYLE, PREMIUM and LUX systems, see p. 7 - 11. The replacement is only possible with the tops in the same system. Extra charges, see "Optional accessories", p. see p. 41, 50, 56 and 68.

**Powder coating in RAL colours**

**Powder coating in standard colours:**

- MATT - RAL 5010 (gentian blue), RAL 6005 (moss green), RAL 7016 (anthracite

grey), RAL 7030 (stone grey), RAL 8014 (sepia brown), RAL 8019 (grey brown), RAL 9005 (jet black).

- MATT STRUCTURE - RAL 9005 (jet black).

**Powder coating in non-standard colours:**

- MATT - RAL 3005 (wine red), RAL 7040 (window grey), RAL 8017 (chocolate brown), RAL 9016 (traffic white).

Other RAL colours - contact the Sales Department for available colours.

**Powder coating in special colours:**

- Cast Iron, Quartz.

**Powder coating in Home Inclusive 2.0 colours:**

HI MODERN GRAPHITE, HI SMOKE GREEN, HI WILLOW GREEN, HI FERN GREEN, HI DEEP GREEN, HI COMFORT GREY, HI WARM STONE, HI QUARTZ GREY, HI BROWN STONE, HI TRUE BLUE, HI MARINA HORIZON, HI ANTHRACITE, HI MOODY CORAL, HI FLAME RED, HI MODERN MAROON, HI DEEP BROWN.



Important colour information - see p. 3 point 1.

If multiple products are ordered in the same colour, individual partial deliveries (lots) may differ in shades.

**Other top edge finishes**



The top edge finishes are presented by the models on p. 6 - 12



Fig. 14. Marking of the wicket top edge finish

**P** - straight finish of the top edge;

**Wp** - convex arc finish of the top edge.

**Wk** - concave arc finish of the top edge.

**Non-standard hinge assembly type**

The wicket can be installed directly to the post with one of the optional hinge assembly types.

**C type assembly** - the hinges are fastened to a concrete post. The assembly involves setting the hinge pin in the opening cut in the post. The pin is embedded in a fast-setting injection mortat.

**E type assembly** - the hinges are fastened to assembly channels. The hinges are aligned with the wicket axis. Short channel on the lock side.

**O type assembly** - the hinges are fastened to assembly channels. The hinges are aligned with the wicket axis. The assembly channels have identical length on both sides.

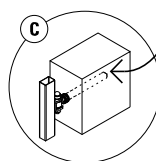
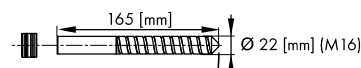


Fig. 15. C type assembly.

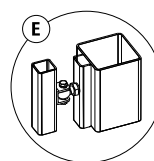


Fig. 16. E type assembly.

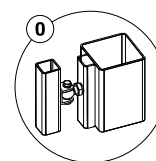


Fig. 17. O type assembly.

**External lock (LOCINOX)**

External LOCINOX lock is available. Unavailable with AW.10.00, AW.10.TT, AW.10.01, AW.10.02, AW.10.05, AW.10.16, AW.10.17, AW.10.70, AW.10.71, AW.10.72, AW.10.81, AW.10.82, AW.10.83, AW.10.84, AW.10.100, AW.10.101, AW.10.102, AW.10.103, AW.10.PP and MODERN system.

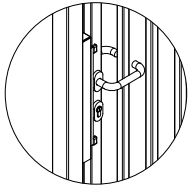
**Electromagnetic memory lock**

The wicket can be equipped with an electromagnetic memory lock which can disengage the self-locking latch by operating a wall-mounted switch.

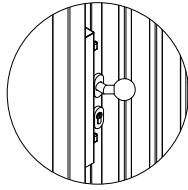
The electromagnetic lock features a memory function which keeps the self-locking latch disengaged when the wicket is opened and until it is closed again. The electromagnetic lock is installed on an assembly channel screwed down to the wicket post. The wicket can be unlocked with a key upon a power failure.

**Handle with plates, stainless steel**

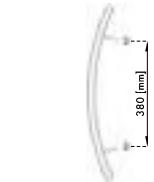
A stainless steel handle with plates can be applied optionally in the CLASSIC, STYLE and LUX systems (standard in PREMIUM and MODERN). Standard lock. The option is unavailable for AW.10.00 and AW.10.TT.



**Fig. 18.** Handle - handle with plates - version for manually-operated wickets.



**Fig. 19.** Knob - knob with plates - version for wickets with electromagnetic locks.



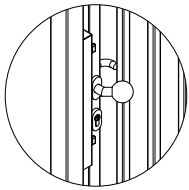
**Fig. 20.** P1 pull.



**Fig. 21.** P5 pull.



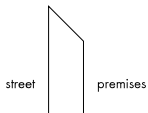
**Fig. 22.** Q5 pull.



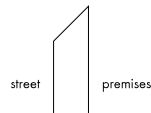
**Fig. 23.** Knob - handle with cover plates - version for the wicket with an electromagnetic lock.

**Mitred finishing**

Applies only to model AW.10.06. The gate top edge is mitred (at 45°) at a minimum height of 1800 [mm] from the finished drive-through level. Specify the mitred finish direction when ordering.



**Fig. 24.** Mitred finishing in the premises direction (standard).



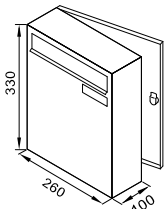
**Fig. 25.** Mitred finishing in the street direction.

**Letter box**

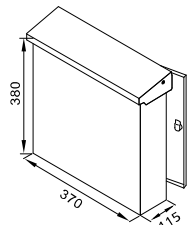
The wicket can be equipped with a letter box:

- **BOX 1** - dimension 260 x 330 x 100 [mm] - Fig. 22;
- **BOX 2** - dimension 370 x 380 x 115 [mm] - Fig. 23;
- **BOX 5** - dimension 260 x 330 x 100 [mm] - Fig. 24;
- **BOX 6** - dimension 370 x 330 x 100 [mm] - Fig. 25.

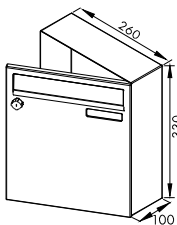
The letter box is installed in the wicket leaf centre. The letter box for galvanized wickets is in RAL 7030 (stone grey), whereas on powder coated wickets the colour matches the wicket colour. Box 5 and 6 are for individual assembly.



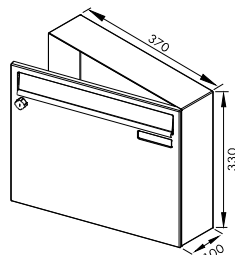
**Fig. 26.** BOX 1 letter box.



**Fig. 27.** BOX 2 letter box.

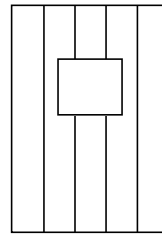


**Fig. 28.** BOX 5 letter box.

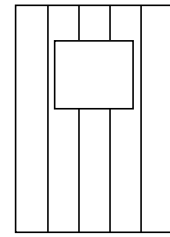


**Fig. 29.** BOX 6 letter box.

The reference drawings of the wicket with letter boxes.



**Fig. 30.** Example of a wicket with the BOX 1 letter box.

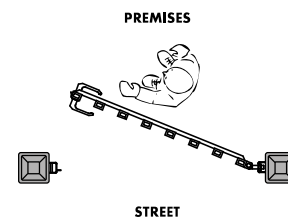


**Fig. 31.** Example of a wicket with the BOX 2 letter box.

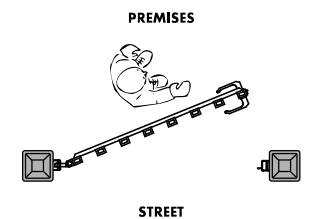


**BOX 1 and BOX 2 are unavailable with models AW.10.TT.**

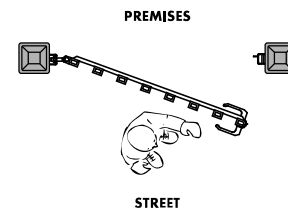
**Wicket opening direction**



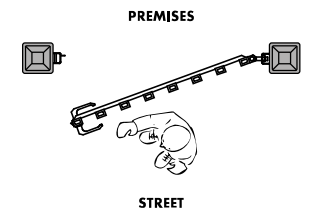
**Fig. 32.** Left-hand, inswing (LW).



**Fig. 33.** Right-hand, inswing (PW).



**Fig. 34.** Left-hand, outswing (LZ).



**Fig. 35.** Right-hand, outswing (PZ).

**Fascia panel**

Angle bar on the hinge side, 100 x 15 x 2 [mm], and angle bar on the catcher side, 50 x 15 x 2 [mm], length adapted to wicket height, mounted to steel posts (at least 100x100) or masonry posts.

Can be used with Type B, Type M, Type C, and Type E installation systems.

**Availability of accessories**

	Dimensions	
	standard	special
<b>Wickets other than given in the table of special dimensions</b>	—	●
<b>Powder coating in non-standard colours</b>	●	●
<b>Powder coating in other RAL colours</b>	—	●
<b>Powder coating in special colours, HI 2.0</b>	●	●
<b>Other top edge finishes</b>	—	●
<b>Replacement of tops</b>	—	●
<b>Non-standard hinge assembly type</b>	—	●
<b>External lock (LOCINOX)</b>	●	●
<b>Electromagnetic memory lock</b>	●	●
<b>Knob, handle with plates, stainless steel</b>	●	●
<b>Mitred finishing</b>	—	●
<b>BOX 1 BOX 2 letter box</b>	—	●
<b>BOX 5, BOX 6 letter box</b>	●	●
<b>Infilled with the VEGA 2D Super panel</b>	●	●
<b>Fascia panel</b>	●	●

● Available    — Unavailable



## Segments

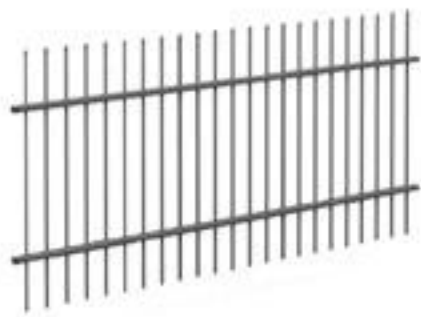


Fig. 1. Fence segment.



Fig. 36. T-10 sheet.

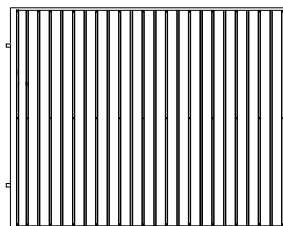


Fig. 3. Segment with AW.10.TT infill - view from the street side.



The segment is not equipped with posts or assembly accessories. They need to be ordered separately, see p. 24 - 26.

### General information

Standard finish:

- anti-corrosion protection: hot galvanized or hot galvanized + RAL Standard;
- infill: steel shapes or bars (depends on the infill model, see p. 6 - 12);
- shapes topped with caps, bars topped with tops;
- the top edge finish is straight or arched (depends on the infill model, see p. 6 - 12 - in standard; other, see the Fence Systems Catalogue);
- assembly hole caps (if available with the model) complete with assembly accessories.



Contact the Sales Department for production availability of segments with the dimensions smaller than the minimum ones. When ordering, specify the values **a**, **b** and **c** with **S** and **H** (see the Fence Systems Catalogue).

### Segment installation

The segment is installed to the posts with assembly accessories (use 1 set of assembly accessories on each of the four assembly holes, i.e. four sets per segment); fastening methods for specific infill models, see p. 25.

### Assembly dimensions

#### Installation conditions

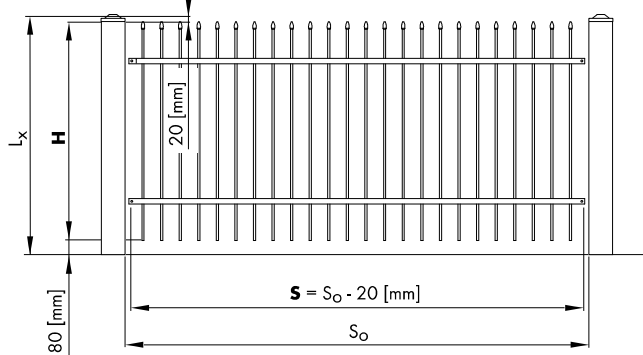


Fig. 2. The assembly dimensions and their marking required for correct selection and assembly of the segment - view from the premises side.

**S** - segment width (ordering dimension);

$S_o$  - distance between posts,

**H** - segment height (ordering dimension);

$L_x$  - fence post height from the ground.

### Solid infill (AW.10.TT)

The segment has a single-sided infill from the street side with T-10 trapezoid steel sheet (profile height: 10 [mm]). The sheets are available in the following colours (external): RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7035 (Light grey), RAL 8014 (sepia brown) RAL 8017 (chocolate brown), RAL 9006 (white aluminium), RAL 9016 (traffic white), BTX 2701 (crimson), golden oak, nut brown; internal colours: primer (grey or cream). The UM4 assembly accessories for steel posts (optional) or UB4 accessories for concrete posts (optional).

Segments are available infilled with factory coated trapezoidal sheet mounted to the hot-dip galvanized structure or galvanized and powder coated structure. Optionally, the segments are also available infilled with trapezoidal sheet powder coated on both sides, mounted to the galvanized and powder coated structure.

## Optional accessories - available for extra charge

### Infilled with the VEGA 2D Super panel

The AW.VA.55 gate can optionally be infilled with the VEGA 2D Super 8/6/8 mesh panel.

### Skewed segment

Selected designs from the Classic, Vario, Style, Premium, and Lux systems are available with skewed segments. This option is only available in AWExpert. The list of designs compatible with the option is provided on pages 6-10.

### Powder coating in RAL colours

#### Powder coating in standard colours:

- MATT - RAL 5010 (gentian blue), RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7030 (stone grey), RAL 8014 (sepia brown), RAL 8019 (grey brown), RAL 9005 (jet black).
- MATT STRUCTURE - RAL 9005 (jet black).

#### Powder coating in non-standard colours:

- MATT - RAL 3005 (wine red), RAL 7040 (window grey), RAL 8017 (chocolate brown), RAL 9016 (traffic white).

**Other RAL colours** - contact the Sales Department for available colours.

#### Powder coating in special colours:

- Cast Iron, Quartz.

#### Powder coating in Home Inclusive 2.0 colours:

HI MODERN GRAPHITE, HI SMOKE GREEN, HI WILLOW GREEN, HI FERN GREEN, HI DEEP GREEN, HI COMFORT GREY, HI WARM STONE, HI QUARTZ GREY, HI BROWN STONE, HI TRUE BLUE, HI MARINA HORIZON, HI ANTHRACITE, HI MOODY CORAL, HI FLAME RED, HI MODERN MAROON, HI DEEP BROWN.



**Important colour information - see p. 3 point 1.**

If multiple products are ordered in the same colour, individual partial deliveries (lots) may differ in shades.

### Other top edge finishes



The top edge finishes are presented by the models on p. 6 - 12



Fig. 4. Marking of the segment top edge finish

**P** - straight finish of the top edge;

**Wp** - convex arc finish of the top edge.

**Wk** - concave arc finish of the top edge.

**Replacement of tops**

Applies to the topped infills of the VARIO, STYLE, PREMIUM and LUX systems, see p. 7 - 11. The replacement is only possible with the tops in the same system. Extra charges, see "Optional accessories", p. 41, 50, 56 and 68.

**Letter box**

The segment can be equipped with a letter box:

- **BOX 1** - dimensions 260 x 330 x 100 [mm] - Fig. 5;
- **BOX 2, BOX 3** - dimensions 370 x 380 x 115 [mm] - Fig. 6;
- **BOX 5** - dimensions 260 x 330 x 100 [mm] - Fig. 7;
- **BOX 6** - dimensions 370 x 330 x 100 [mm] - Fig. 8.

The letter box is installed on the right or left end of the segment. The assembly side is determined as seen from the premises side; the location of the letter box on the segment, see the Fence Systems Catalogue. The letter box for galvanized segments is in RAL 7030 (stone grey), whereas on powder coated segments the colour matches the segment colour. The letter boxes cannot be installed on sliding and double-leaf gates. Box 5 and 6 are for individual assembly.

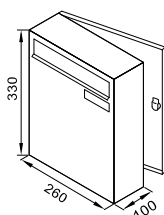


Fig. 5. BOX 1 letter box.

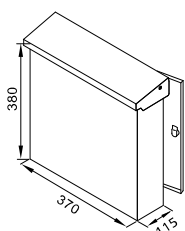


Fig. 6. BOX 2, BOX 3 letter box.

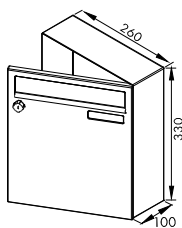


Fig. 7. BOX 5 letter box.

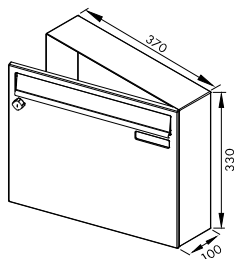


Fig. 8. BOX 6 letter box.

The reference drawings of the segment with a letter box; detailed guidelines, see the Fence Systems Catalogue.

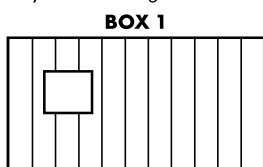


Fig. 9. Example of a segment with the BOX 1 letter box.

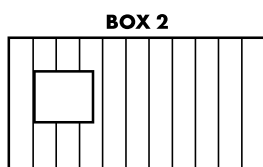


Fig. 10. Example of a segment with the BOX 2 letter box.

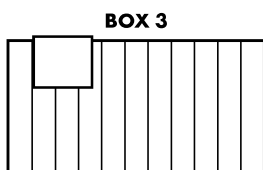


Fig. 11. Example of a segment with the BOX 3 letter box.



**For the segments with the width  $S < 1500$ , the BOX 3 option is available only with the segments with the straight finish of the top edge. BOX 1, BOX 2, and BOX 3 are not available for the AW.10.TT designs. BOX 3 is unavailable for the MODERN system designs.**

**Fascia panel**

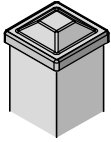
Angle bar, 100 x 15 x 2 [mm], length adapted to segment height, mounted to steel posts or masonry posts.

**Availability of accessories**

	Dimensions	
	standard	special
Powder coating in non-standard colours	●	●
Powder coating in other RAL colours	—	●
Powder coating in special colours	●	●
Other top edge finishes	—	●
Replacement of tops	—	●
BOX 1 BOX 2, BOX 3 letter box	—	●
BOX 5, BOX 6 letter box	●	●
Skewed segment	—	●
Fascia panel	●	●

● Available — Unavailable

**Posts**



**Fig. 1.** Post topped with the P type cap (pyramid style)  
 - in standard.

**General information**

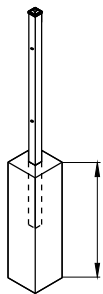
Standard finish:

- closed steel shape;
- anti-corrosion protection: hot galvanized or hot galvanized + RAL Standard;
- P type cap (pyramid style).

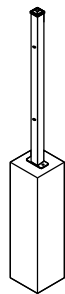
**Post types**

PG - post for installation in the ground;

PS - post for installation on the assembly baseplate.



min. 800 [mm]  
 and below the  
 freezing depth



**Fig. 2.** PG post - installed in the ground (standard). **Fig. 3.** PS post - installed on the baseplate (optional).

**Installation of the PG and PS posts**

The post can be installed on a concrete foundation the depth of which shall be below the freezing depth in the area of installation, Fig. 2, or on the baseplate fastened by anchors to paved surface (e.g. concrete foundation, Fig. 3).

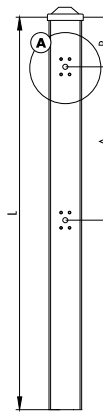
**Posts for double-leaf gates and wickets**

The posts for double-leaf gates have drilled holes on the hinge sides in standard with installed M10 flush rivet nuts. The assembly plates are screwed down with M10x30 stainless steel bolts.

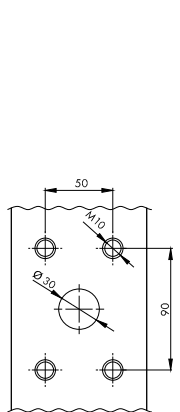
The posts for wickets have drilled holes on the hinge sides in standard with installed M8 flush rivet nuts. The assembly plates are screwed down with M8x25 stainless steel bolts.

The assembly accessories are packed with every double-leaf gate or wicket when ordered with the suitable posts (BD, FD, KD, BF, KF).

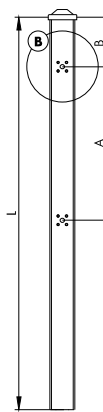
- BD** - post with assembly holes for a double-leaf gate;
- FD** - post with assembly holes for a wicket and a double-leaf gate;
- KD** - post with assembly holes for a segment and a double-leaf gate;
- BF** - post with assembly holes for a wicket;
- KF** - post with assembly holes for a segment and a wicket;
- SB** - post without assembly holes.



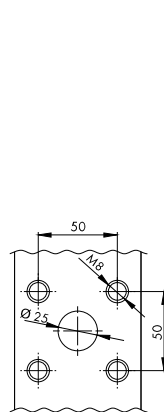
**Fig. 4.** Double-leaf gate post.



**Fig. 5.** Detail A.



**Fig. 6.** Wicket post.



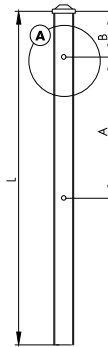
**Fig. 7.** Detail B.

**Segment posts**

The segment posts (SP, SN, SK) have drilled assembly holes with installed flanged rivet nuts.

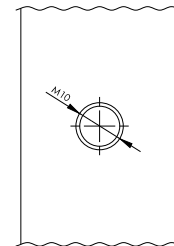
If purchasing SB posts, drill the holes and then either tap them or use flush rivet nuts. Next, preserve the drilled hole areas against corrosion. The SP, SN, SK and SB posts do not have assembly accessories included. They have to be ordered separately. See "Optional accessories", see p. 25.

- SP** - intermediate post with assembly holes;
- SN** - corner post with assembly holes;
- SK** - end post with assembly holes;
- SB** - post without assembly holes.



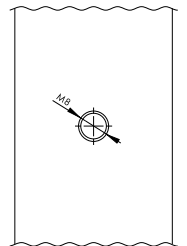
**Fig. 8.** Fence segment post.

CLASSIC, VARIO, STYLE, LUX systems



**Fig. 9.** Detail A.

PREMIUM system



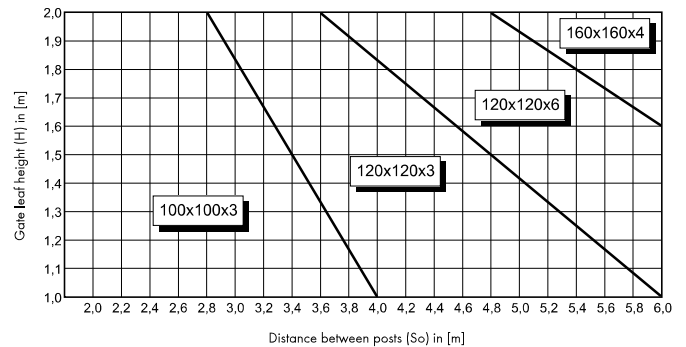
**Fig. 10.** Detail A.

**Selection of posts**

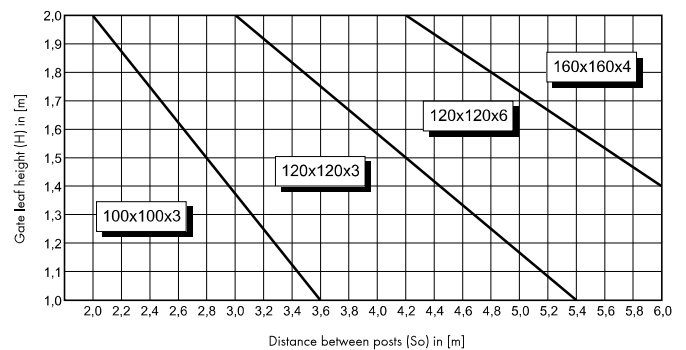
The minimum cross section of posts for double-leaf gates and wickets is selected in the tables 1, 2, 3 and 4.

Table 1 and 3 for the double-leaf gate and wicket models: AW.10.01; AW.10.02; AW.10.05; AW.10.06; AW.10.07; AW.10.08; AW.10.09; AW.10.22; AW.10.23; AW.10.24; AW.10.25, AW.10.63; AW.10.64; AW.10.65; AW.10.66; AW.10.67; AW.10.68, AW.10.81 AW.10.82, AW.10.83, AW.10.84, AW.10.100, AW.10.101 AW.10.102, AW.10.103.

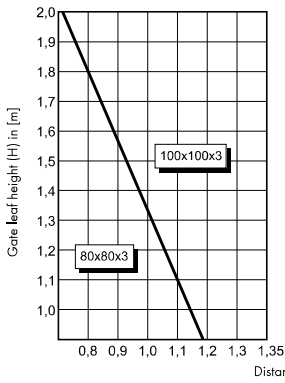
Table 2 and 4 for other double-leaf gate and wicket models.



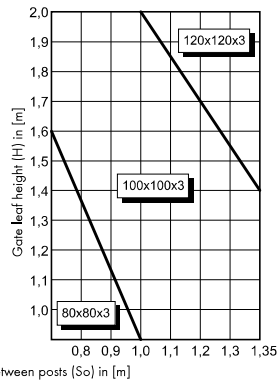
**Tab. 1.** Selection of posts for fence manually-operated double-leaf gates.



**Tab. 2.** Selection of posts for fence manually-operated double-leaf gates.



**Tab. 3.** Selection of fence wicket posts.



**Tab. 4.** Selection of fence wicket posts.



If choosing the FD or KD posts, assume the post cross section as for the double-leaf gate posts.  
 If choosing the KF posts, assume the post cross section as for the wicket posts.

**Optional accessories - available for extra charge**

**Powder coating in RAL colours**

**Powder coating in standard colours:**

- MATT - RAL 5010 (gentian blue), RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7030 (stone grey), RAL 8014 (sepia brown), RAL 8019 (grey brown), RAL 9005 (jet black).
- MATT STRUCTURE - RAL 9005 (jet black).

**Powder coating in non-standard colours:**

- MATT - RAL 3005 (wine red), RAL 7040 (window grey), RAL 8017 (chocolate brown), RAL 9016 (traffic white).

**Other RAL colours** - contact the Sales Department for available colours.

**Powder coating in special colours:**

- Cast Iron, Quartz.

**Powder coating in Home Inclusive 2.0 colours:**

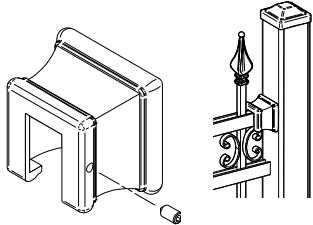
HI MODERN GRAPHITE, HI SMOKE GREEN, HI WILLOW GREEN, HI FERN GREEN, HI DEEP GREEN, HI COMFORT GREY, HI WARM STONE, HI QUARTZ GREY, HI BROWN STONE, HI TRUE BLUE, HI MARINA HORIZON, HI ANTHRACITE, HI MOODY CORAL, HI FLAME RED, HI MODERN MAROON, HI DEEP BROWN.



**Important colour information - see p. 3 point 1.**  
 If multiple products are ordered in the same colour, individual partial deliveries (lots) may differ in shades.

**Masking element**

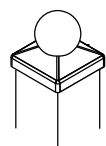
The masking element for the assembly brackets is available in the LUX system (except for models AW.10.52, AW.10.53, AW.10.54). The masking element is made of aluminium. Galvanized version - masking element colour RAL 7030 (stone grey); galvanized + RAL version - the colour matches the segment. The masking element is designed for steel and concrete posts with the minimum cross section of 80 x 80 [mm] (unavailable for sloping segments). Specify the quantity of masking elements (left and right versions) when ordering - view from the premises side.



**Fig. 11.** Assembly bracket masking element.

**Cap with ball - K type**

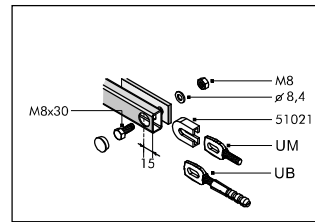
The cap with ball is available only for the following post cross sections: 60 x 60, 80 x 80, 100 x 100, 120 x 120 [mm].



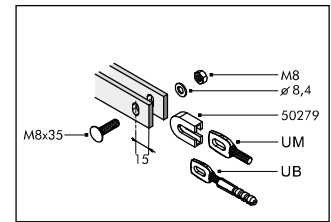
**Fig. 12.** The steel post topped with the cap with ball.

**Assembly accessories**

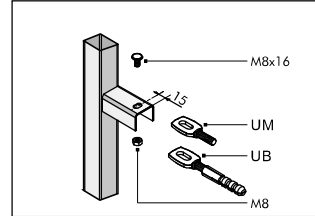
Segment assembly accessories can be ordered for existing fence posts (for extra charge) - see p. 82 "Optional accessories". The assembly brackets can be installed on steel posts (UM type) or concrete posts (UB type).



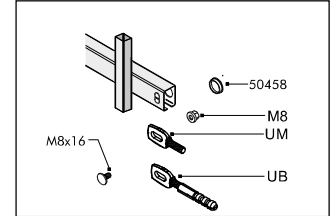
**Fig. 13.** 1 set UM2 / UB2.



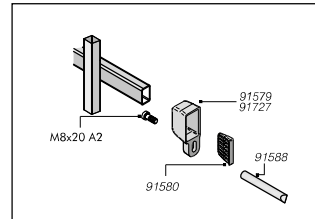
**Fig. 14.** 1 set UM3 / UB3.



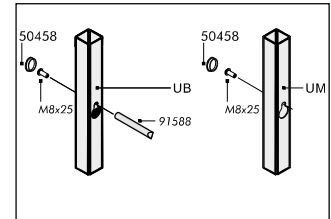
**Fig. 15.** 1 set UM4 / UB4.



**Fig. 16.** 1 set UM5 / UB5.



**Fig. 17.** 1 set UM6 / UB6.



**Fig. 18.** 1 set UM10 / UB10.

System	Model	Type of assembly
CLASSIC	AW.10.01	UM5 / UB5
	AW.10.02	
	AW.10.04	UM4 / UB4
	AW.10.06	
	AW.10.05	UM5 / UB5
	AW.10.16	
	AW.10.17	
	AW.10.00	
	AW.10.11	UM4 / UB4
	AW.10.10	
	AW.10.70	
	AW.10.71	
	AW.10.72	UM5 / UB5
	AW.10.80	
VARIO	AW.10.81	UM5 / UB5
	AW.10.82	
	AW.10.83	
	AW.10.84	
	AW.10.07	UM2 / UB2
	AW.10.08	
	AW.10.09	
	AW.10.12	
AW.10.14	UM2 / UB2	
AW.10.15		
AW.10.20		
AW.10.21		
AW.10.22	UM2 / UB2	
AW.10.23		
AW.10.24		
AW.10.25		
AW.10.26	UM2 / UB2	

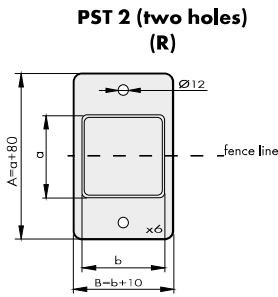
System	Model	Type of assembly
PREMIUM	AW.10.63	UM6 / UB6
	AW.10.64	
	AW.10.65	
	AW.10.66	UM4 / UB4
	AW.10.67	
	AW.10.68	
	AW.10.69	
LUX	AW.10.31	UM3/UB3
	AW.10.33	
	AW.10.34	
	AW.10.39	
	AW.10.45	UM4/UB4
	AW.10.46	
	AW.10.48	
	AW.10.51	
	AW.10.52	UM3/UB3
	AW.10.53	
	AW.10.56	
	AW.10.57	
	AW.10.58	UM4/UB4
	AW.10.59	
AW.10.60		
AW.10.61		
AW.10.62	UM4/UB4	
AW.10.100		
AW.10.101		
AW.10.102		
AW.10.103	UM4/UB4	
AW.10.104		
AW.10.105		
AW.10.106		
AW.10.107	UM10/UB10	
AW.10.108		
AW.10.109		
AW.10.110		
AW.10.111	UM10/UB10	
AW.10.112		



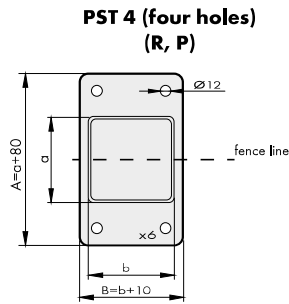
**When ordering assembly accessories for the PREMIUM system, specify the number of right-hand brackets and left-hand brackets.**

**Installation on the PST 2, PST 4 or BST 4 baseplate**

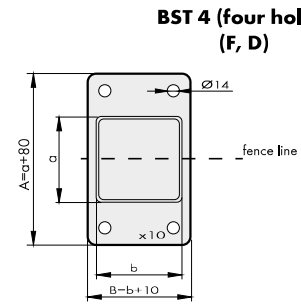
Install on the baseplate with steel anchors set in the hole and embedded with fast-setting injection mortar.



- a x b = 60 x 60 [mm]
- a x b = 80 x 80 [mm]
- a x b = 100 x 100 [mm]
- a x b = 120 x 120 [mm]



- a x b = 60 x 60 [mm]
- a x b = 80 x 80 [mm]
- a x b = 100 x 100 [mm]
- a x b = 120 x 120 [mm]



- a x b = 80 x 80 [mm]
- a x b = 100 x 100 [mm]
- a x b = 120 x 120 [mm]

The BST-4 baseplate for double-leaf gates is available for up to 3500 [mm] in width.

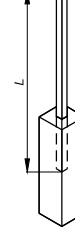
R - segment, P - sliding gate

F - wicket, D - double-leaf gate

**Selection of post lengths for fence segments**

**Selection of post lengths for double-leaf gates and wickets**

**PG post**  
 Installation in the ground



**PS post**  
 Installation on the baseplate

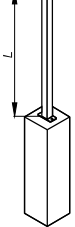


	Diagram	Selection of post lengths for double-leaf gates and wickets		PG post		PS post				
		H	L*	H	L*					
		800 - 900	1400	1600						
		901 - 1000	1500	1700						
		1001 - 1100	1600	1800						
		1101 - 1200	1700	1900						
		1201 - 1300	1800	2000						
		1301 - 1400	1900	2100						
		1401 - 1500	2000	2200						
		1501 - 1600	2100	2300						
		1601 - 1700	2200	2400						
		1701 - 1800	2300	2500						
		1801 - 1950	2400	2600						
				<b>L = H + 100 [mm]</b>						
				800 - 900			1400	1600		
				901 - 1000			1500	1700		
				1001 - 1100			1600	1800		
				1101 - 1200			1700	1900		
				1201 - 1300			1800	2000		
				1301 - 1400			1900	2100		
1401 - 1500	2000			2200						
1501 - 1600	2100			2300						
1601 - 1700	2200			2400						
1701 - 1800	2300	2500								
		<b>L = H - c + 100 [mm]</b>								

Selecting a length and/or cross section of a post which are incompatible with the aforementioned guidelines and without the Manufacturers written permission voids the warranty.

\* - the dark area applies to the posts for double-leaf gates and wickets.

**MultiBox**



**Fig. 1.** MultiBox post with the house number plaque option.

**General information**

Standard version

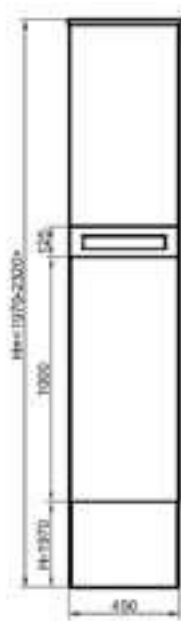
- MultiBox – a 450 [mm] wide and 300 [mm] deep post that is an alternative to a mailbox in the fence.
- the post structure is made of hot-dip galvanized box sections
- the structure is lined with galvanized and powder coated sheet in RAL STANDARD colour.
- The MultiBox is fitted with a single letter slot, made of stainless steel, swinging inside the post, with locked access door (2 keys) for easy access from the premises.
- two adjustable shelves inside the post
- the post is available in the following heights: 1270-1620 ; 1621-1970; 1971-2320 see Fig. 2, 3, 4



**Fig. 2.** H = 1270-1620 [mm]



**Fig. 3.** H = 1621-1970 [mm]



**Fig. 4.** H = 1971-2320 [mm]

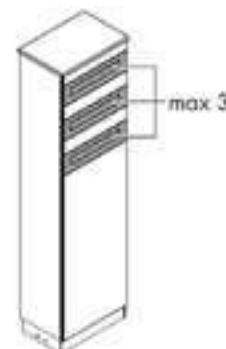
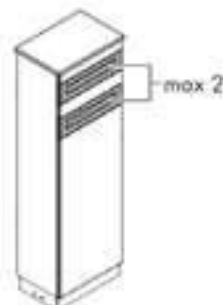
**Installation**

The MultiBox is mounted to the foundation with four  $\varnothing$  20 [mm] foundation anchors.

**Optional accessories - available for extra charge**

**Extra letter slots**

The MultiBox is also available with two or three letter slots – see Fig. 5 i 6.



**Fig. 5.** Available with H = 1270-1620 [mm]

**Fig. 6.** Available with H = 1621-2320 [mm]

**Package slot**

The package slot is available with a single letter slot.



**Fig. 7.** Package slot

**LED lighting**

The kit includes a power supply adapter and a dusk sensor.



**Fig. 8.** LED lighting