GARAGE DOORS



WIŚNIOWSKI

GATES | WINDOWS | DOORS | FENCES

GARAGE DOORS
SINGLE-LEAF | DOUBLE-LEAF

Intended use: The single- and double-leaf garage doors are intended for use in private buildings and utility rooms. Each door comprises an opening frame and a leaf (or leafs).

SIMPLE FITTING

Simple and easy fitting of single- and double-leaf garage doors both in the opening and in front of the opening has been proven in many installation scenarios.

SAFETY

The safety systems focus on minimizing all traces of risk. Regardless of the method of operation, WIŚNIOWSKI doors ensure comfort and safety. Our products are fully compliant with the PN-EN 13241 standard.

FUNCTIONALITY

With a simple and proven structure and a broad range of models and colours, WIŚNIOWSKI single- and double-leaf garage doors are suitable for a wide scope of applications. Also available in special dimensions.

STRUCTURE

The opening frame and the leaf are made of galvanized steel box sections without a thermal break. The leaf is infilled with steel sheet. In uninsulated doors, the leaf structure is visible from the inside, whereas in doors insulated from the inside with polystyrene from 20 to 40 [mm] thick – depending on the door type and structure – the leaf is finished with a white PVC panel. The opening frame elements are joined with screwed connections. The doors are supplied with a lock cylinder (three keys), handles, and an installation kit.

Door leaf
The door leaf is infilled with galvanized steel sheet, formed into T-10 trapezium, in the vertical, horizontal or slanted orientation, with polyester coating. The door opens to the outside of the room.

Single-leaf door
It has a single active leaf, outswing, opening to the right (as seen from the outside). The leaf is fitted with a lock cylinder and a PVC-1 handle with a cover plate in black (locked to the lintel and threshold).

Double-leaf door
It has a passive left leaf (as seen from the outside) locked to the lintel and threshold. The right active leaf is fitted with a lock cylinder and a PVC-1 handle with a cover plate in black (locked to the lintel and threshold); a symmetrical division of the leafs is used in the door.

The Connect double-leaf door
The leaf lining is made of galvanized steel sheet with polyester coating. It comprises panels of the same width with a horizontal rib pattern. The height and the number of panels depends on the door height.

The doors are only available in outswing versions. The doors cannot be installed behind the opening (inside the room). In doors with the height H > 3,650 [mm], the vertical infill is joined at the height of 2,050 [mm]. Due to transport limitations, double-leaf doors with a width and height of >2,700 [mm], as well as double-leaf doors with a weight of > 150 [kg] are supplied unassembled.
Double-leaf doors with the width and height lower than 2,700 [mm] or weight below 150 [kg] can optionally be prepared as unassembled for transport.
Double-leaf doors with a renovation frame cannot be supplied disassembled.

FUNCTIONALITY AND SAFETY

1. **The hinge limiter** prevents the leaf from being prised open.
2. **The restrictor** limits the door movement and prevents it from being opened excessively. The standard opening angle is 98°, the leaf can optionally be opened to 140°.
3. **The foot** prevents the opened door from inadvertently closing.
4. **The screwed connections** make the entire structure comprised of galvanized steel sections durable.
5. **The door in a thermally insulated version** can be ordered to improve the thermal insulation of the garage.
6. **Self-latching bolts** are installed in four points (in the upper and lower section of the leaf) and prevent the door from being opened by unauthorized persons.





Active leaf – fitted with a PVC-1 black plastic handle on the outside, a single-sided lock cylinder accessible from the outside (three keys), and a black plastic handle on the inside. From the inside, the lock is operated with a latch, the leaf is locked in two points (in doors with H > 2,700 [mm], the leaf is locked in three points), plastic or steel latching bolts are used for locking, depending on the door dimensions (steel latching bolts are always standard in the Connect doors). Optionally, in the single-leaf or double-leaf door with H ≤ 2,700 [mm], an auxiliary locking mechanism can be used in the active leaf.



Active leaf locked
in two points
– as seen from the inside.



Active leaf locked in three points
when H > 2,700 [mm]
– as seen from the outside.

Passive leaf – locked in two points with a single lever, plastic or steel latching bolts are used for locking, depending on the door dimensions (steel latching bolts are always standard in the Connect doors).

Support foot – prevents uncontrolled door leaf movement in the closing direction. Mounted to each leaf as standard. The support foot can be swapped for a foot-operated door stoop.



Support foot
– standard.



Foot-operated door stop
– option.

Handle replacement
The standard PVC-1 black handle can be replaced with a black handle used in the wicket door (only in the right active leaf).



PVC-1 handle.



Handle used in the wicket door.

Auxiliary lock
In the wicket door and/or in the active leaf, a mortise lever lock with a lock cylinder and three keys or a Gerda lock with four keys (lock installed over the handle in the wicket door or/and in the active leaf) can additionally be used.

Padlock eyes
Single-leaf and double-leaf doors, as well as wicket doors can be fitted with special eyes for padlocking.



Double-leaf door with
a padlock eye
– as seen from the outside.



Wicket door with
a padlock eye
– as seen from the outside.

Brush seal instead of a threshold
The brush is mounted in the lower part of the active and passive leaf of the door.
It partially prevents the access of dirt from the outside. The brush is approx. 25 [mm] high. Door with dimensions:

- S ≤ 2600 [mm] and H ≤ 2600 [mm] are mounted directly on the ground, the door has no threshold.
- S> 2600 [mm] or H> 2600 [mm] is mounted in the ground at a depth of 30 [mm], the threshold and door frames are mounted in the ground.

By using the brush instead of the threshold, the active and passive door leaf is blocked to the lintel and the ground with steel rods 12 [mm] in diameter.

SINGLE- AND DOUBLE-LEAF DOOR INFILL PATTERNS



Vertical low



Model 1
Horizontal low



Model 2
Horizontal high



Model 4
Vertical high



Model 6
Slanted “SV”



Model 7
Slanted “SA”



H design
Horizontal high



Model 8
Horizontal low – shutter



Model 9
horizontal high – shutter

AVAILABLE STANDARD COLOURS

Graphite | RAL 7016

Light Grey | RAL 7035

Brown | RAL 8014

Dark Brown | RAL 8017

Black | RAL 9005

Silver | RAL 9006

White | RAL 9016

Golden Oak

Nut Brown.

DECOR COLOURS – CONNECT DOORS

Mahogany

Winchester

Wenge Dark Oak

Anteak

Calvados

Ebony

Titanium

Pinia Oak

Concrete

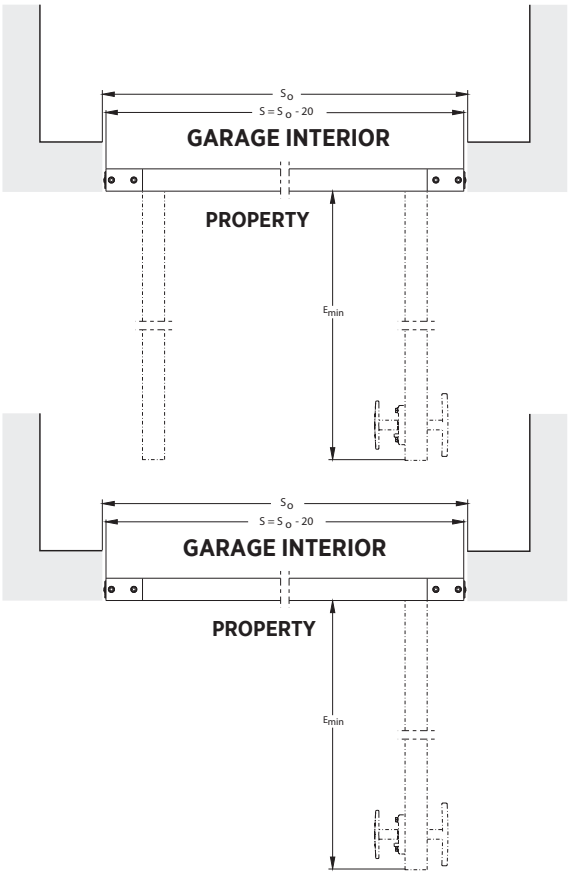
Oak Toffee



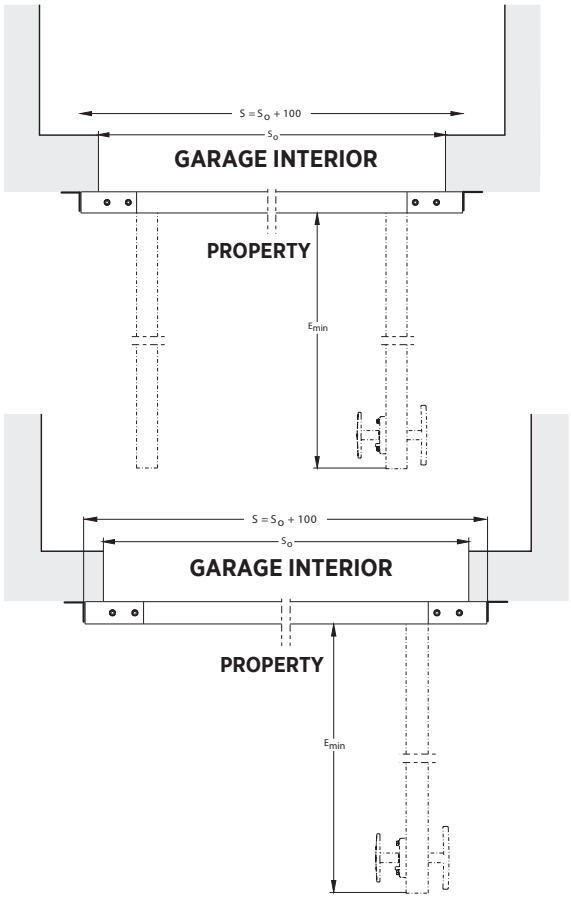
In response to the needs and ideas of individual customers who expect a durable, appealing, and original look, we offer a wide range of colours. This allows the customer to match the door colour to the façade, windows, and finishing elements of the building.
For our customers looking for garage doors in unique colours, we offer powder coating in over 200 RAL palette colours. As standard, the leaf is painted on both sides. It is possible to choose single-sided painting on the external side, which reduces the price of the door. When painted on one side only, the internal side of the element may show traces of spraying.

TECHNOLOGICAL DESCRIPTION AND INSTALLATION CONDITIONS

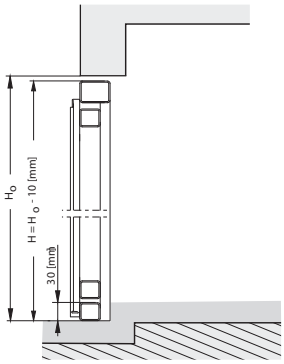
Installation in the opening
– vertical section.



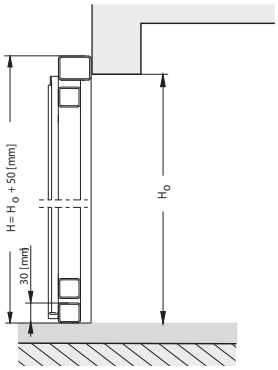
Installation in front of the opening
– horizontal cross-section.



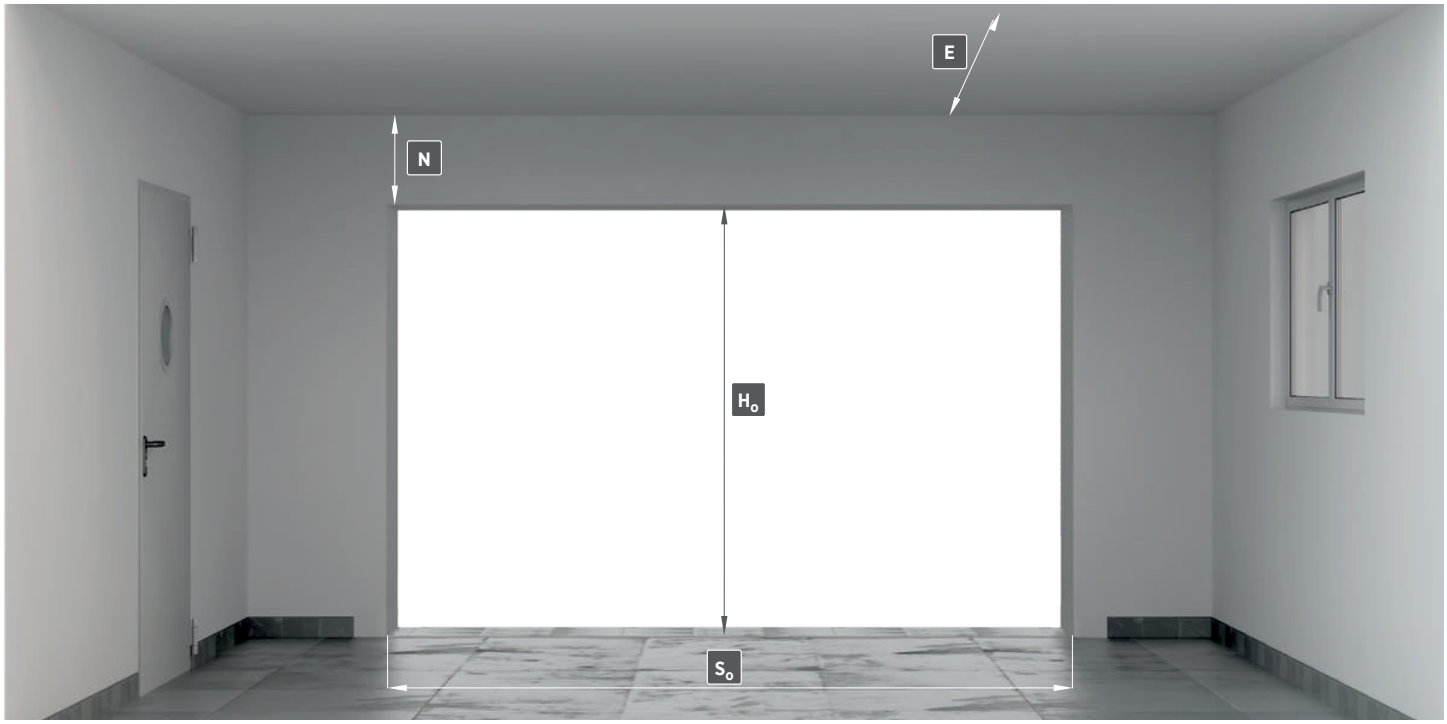
Installation in the opening
– vertical section.



Installation in front of the opening
– horizontal cross-section.



INSTALLATION DIMENSIONS



S_o - opening width

H_o - opening height

N - minimum required lintel height

E – minimum garage depth with clearance under the ceiling

Installation in the opening

	Double-leaf door		
	Symmetrical	Asymmetrical	
E_{min}	1/2 S [mm]	When Sjc > S/2	When Sjc < S/2
		Sjc + 40 [mm]	S – Sjc + 40 [mm]
S	S_o – 20 [mm]		
H	H_o – 10 [mm]		
Sj	S – 180 [mm]		
H_j	H – 90 [mm]		
	Single-leaf door		
E_{min}	S – 60 [mm]		
S	S_o – 20 [mm]		
H	H_o – 10 [mm]		
Sj	S – 180 [mm]		
Hj	H – 90 [mm]		

Installation in front of the opening

	Double-leaf door		
	Symmetrical	Asymmetrical	
N_{min}	100 [mm]		
E_{min}	1/2 S [mm]	When Sjc > S/2	When Sjc < S/2
		Sjc + 40 [mm]	S – Sjc + 40 [mm]
S	S_o + 100 [mm]		
H	H_o + 50 [mm]		
Sj	S – 180 [mm]		
Hj	H – 90 [mm]		
	Single-leaf door		
N_{min}	100 [mm]		
E_{min}	S – 60 [mm]		
S	S_o + 100 [mm]		
H	H_o + 50 [mm]		
Sj	S – 180 [mm]		
Hj	H – 90 [mm]		

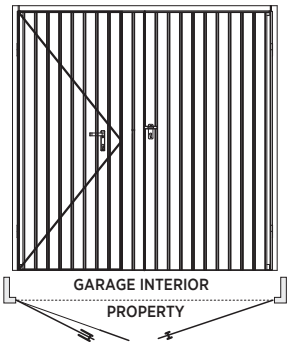
S_o – opening width,
Sj – clear passage width after garage door installation,
Sjc – clear passage width of the active leaf of the door,
S – door width, ordering dimension
H_o – opening height,
Hj – clear passage height after garage door installation,
H – door height, ordering dimension,
N_{min} – required lintel, from the outside of the room,
E_{min} – required space from the outside of the room to allow the leaf to be opened.

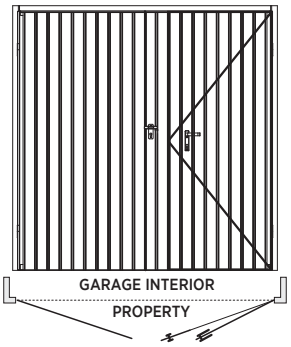
When the product width and height in double-leaf doors exceeds 2,700 mm, the door will be delivered unassembled due to transport limitations.
Double-leaf doors with the width and height lower than 2,700 [mm] or weight below 150 [kg] can optionally be prepared as unassembled for transport.
Double-leaf doors that weigh over 150 kg are delivered unassembled.
Double-leaf doors with a renovation frame cannot be supplied disassembled.

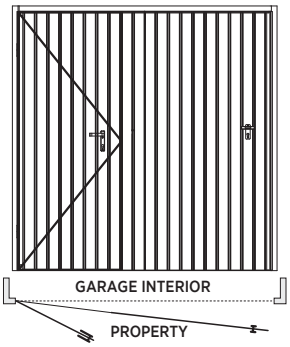
OPTIONAL ACCESSORIES

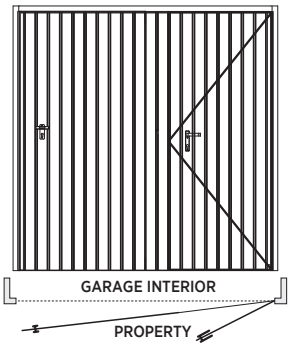
WICKET DOOR

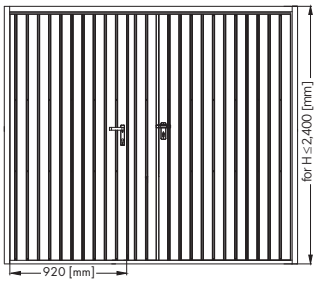
- The wicket door in a garage door up to 2,400 [mm] high spans the entire height of the garage door leaf.
- The wicket door in a garage door over 2,400 [mm] high has a 1,940 [mm] clear wicket passage height.
- Clear passage width 860 [mm].
- Wicket door swing directions and hinge positions are shown in the figures below.
- The wicket door is always an outswing door.
- The main lock of the door and the wicket door lock are fitted as standard with an identical lock cylinder featuring a one-key system. A set of 3 keys is included. This does not apply to doors with the following optional accessories: anti-burglary lock cylinder, auxiliary lock in the wicket door.
- The wicket door is outfitted with a black handle with a cover plate on both sides and a lock with a lock cylinder (three keys).
- The wicket door can be installed in a door leaf with a minimum leaf width of 1,350 [mm].
- The wicket door can be installed in the active and passive leaf.
- The wicket door can be installed in the door with vertical low and vertical high infill orientation.

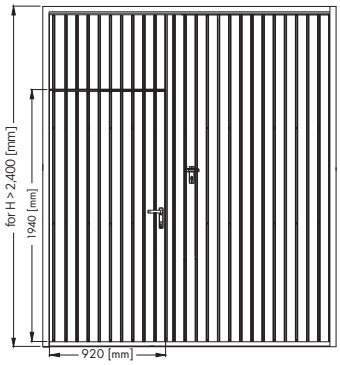




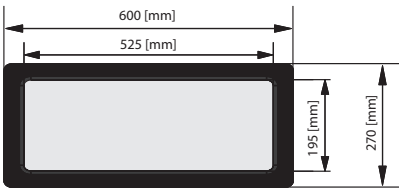






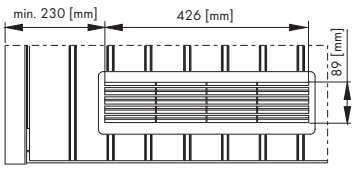


PORTHOLES

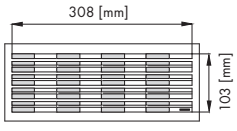


Type A-1 porthole
Made of double, clear acrylic glass, with a rough frame surface. The external frame is available in RAL 7016, RAL 8003, RAL 8011, RAL 8014, RAL 8017, RAL 9005, and RAL 9016. The internal frame is always white. Internal/external frame made of PVC. External dimensions of the frame: 600 x 270 [mm]. Light transmission 86%.

VENTILATION GRILLES



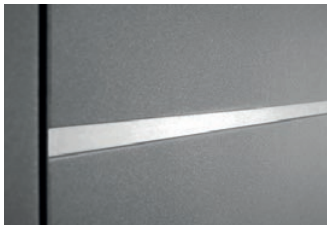
K-1 ventilation grille
Ventilation grille dimensions 426 x 89 [mm] (clear dimensions). The ventilation grille is available in the RAL 8014, RAL 8017, RAL 9005, RAL 9016, RAL 8003, RAL 8011, RAL 8016, RAL 7016, RAL 9006 colours.
Actual ventilation area about 0.02 [m^2].



K-3 ventilation grille
Ventilation grille dimensions 308 x 103 [mm] (clear dimensions). Available in the RAL 9005 and RAL 9016 colours. Grille with a double mosquito screen and air flow adjustment. In doors without thermal insulation, the mosquito screen is adjustable from the outside of the door, in doors with thermal insulation, it is adjusted from the inside of the door. Actual ventilation area about 0.015 [m^2].

DECORATIVE MOTIFS

Decorative motifs in the form of strips are available with the Connect H doors, they are always installed in the embossing between all door panels. Available in wood effect colours: Golden Oak, Walnut, Stainless Steel, Copper Coated Steel and any RAL palette colour (with the exception of colours with a metallic, pearl or reflective finish).



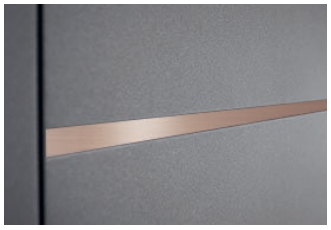
Stainless steel



Golden Oak



Walnut

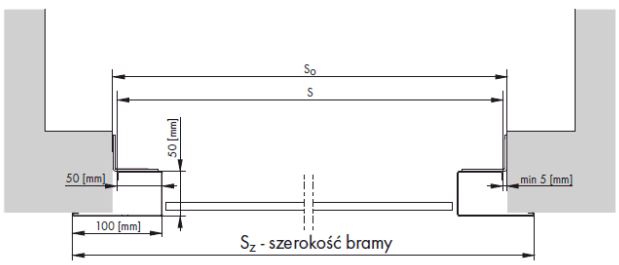


Copper Coated Steel

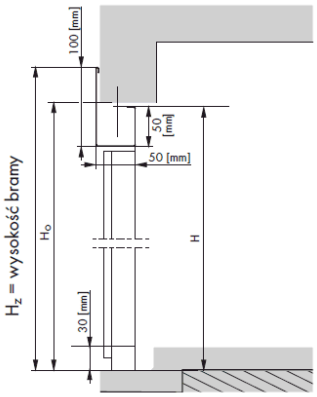
RENOVATION FRAME FOR DOUBLE-LEAF DOORS

The renovation frame is a solution that provides installation flexibility and is visually appealing. This option makes it possible to adapt the opening frame with fixed dimensions to the range of widths and heights of the opening. The renovation frame is available in colours matching the garage door colour as standard (for Golden Oak and Walnut – RAL 8003 and RAL 8011, respectively). Max. dimensions S=2,900 and H=2,300. Only symmetrical division, without the wicket door, only a plastic latch.

Installation in the opening – vertical section



Installation in the opening – vertical section.



Dimensional ranges of the installation opening for the renovation frame option

S_Z=S+100mm | H_Z=H+50 | $S_{o\ min}$=S+10mm | $S_{o\ max}$=S+50mm | $H_{o\ min}$=H+5mm | $H_{o\ max}$=H+25mm | Sj=S-160mm | Hj=H-80mm.

LINING SHEET ON THE INSIDE OF THE DOOR

The inner side of the insulated door can be made of the T-10 trapezium steel sheet in the door lining colour and with the lining orientation as shown in the table below.

	Lining orientation		
Outside	vertical	horizontal	slanted
Inside	vertical	horizontal	horizontal

EXAMPLE SINGLE- AND DOUBLE-LEAF DOOR MODELS



Glazing in the A/H horizontal orientation.



Glazing in the A/V vertical orientation.



Left wicket door in the double-leaf door – as seen from the outside.



Right wicket door in the double-leaf door – as seen from the outside.



Glazing in an A/H horizontal orientation in a double-leaf door with a wicket.



Glazing in an A/V vertical orientation in a double-leaf door with a wicket.



Left wicket door in the single-leaf door – as seen from the outside.



Right wicket door in the single-leaf door – as seen from the outside



Glazing in an A/H horizontal orientation over the wicket in the double-leaf door.



Glazing in an A/V vertical orientation over the wicket in the double-leaf door.



Wicket in a door when the door height does not exceed 2,400 [mm].



Wicket in a door when the door height exceeds 2,400 [mm].



Example use of the “K-1” ventilation grille in a double-leaf door.



Example use of the “K-1” ventilation grille in a single-leaf door.



Garage door | Golden Oak colour



Garage door | RAL 6005

TECHNICAL DATA

	Single- and double-leaf garage doors
Leaf	Galvanized steel sheet coated with polyester paint
Structure	Opening frame and leaf frame made of galvanized steel box sections
Wind load resistance class	4 in accordance with EN 13241
Optional accessories	Wicket door, thermal insulation, three-point leaf latching, ventilation grilles, portholes, opening frame in the garage door colour, brush seals, horizontal decorative motifs (Connect H pattern), anti-burglary lock cylinder
Maximum width / height of the door [mm]	5,000 / 4,000
Available patterns	vertical high, vertical low, horizontal high, horizontal low, slanted "SV", slanted "SA", Connect H – horizontal high, horizontal low – shutter, horizontal high – shutter
Available colours:	RAL 7016 (Graphite), RAL 7035 (Light Grey), RAL 8014 (Brown), RAL 8017 (Dark Brown), RAL 9005 (Black), RAL 9006 (Silver), RAL 9016 (White), Golden Oak, Nut Brown
Available Decor colours	Mahogany, Winchester, Wenge (Dark Oak), Anteak, Calvados, Ebony, Titanium, Pinia Oak, Concrete, Oak Toffee

WIŚNIOWSKI

WIŚNIOWSKI Sp. z o.o. S.K.A.
PL 33-311 Wielogłowy 153
tel. +48 18 44 77 111

www.wisniowski.com

Let us inspire you!
See other solutions from WIŚNIOWSKI!

The products shown in this publication often feature special accessories and do not always correspond to their standard versions • The technical data sheet does not constitute an offer within the meaning of the Polish Civil Code • The manufacturer reserves the right to introduce changes without notice • NOTE: The colours shown in the technical data sheet are for reference only • All rights reserved • Copying and use, in part or in full, is prohibited without the consent of WIŚNIOWSKI Sp. z o.o. S.K.A. • SINGLE- AND DOUBLE-LEAF GD/09.26/EN