INDUSTRIAL DOORS

WIŚNIOWSKI

GATES | WINDOWS | DOORS | FENCES

OVERHEAD SLIDING DOORS

WITH T-10 SHEET INFILL

Intended use: Overhead sliding doors are designed for residential, utility, and industrial buildings. They comprise one or two leafs that slide sideways. The door curtain is fixed with a running track installed to the lintel or to the lintel and the floor.

FUNCTIONALITY

Overhead sliding doors do not apply additional load on the roof and are the perfect choice for buildings where small lintels prevent the use of sectional and roller doors. When the lintel is not present, the doors can be fixed to the ceiling.

ECONOMY

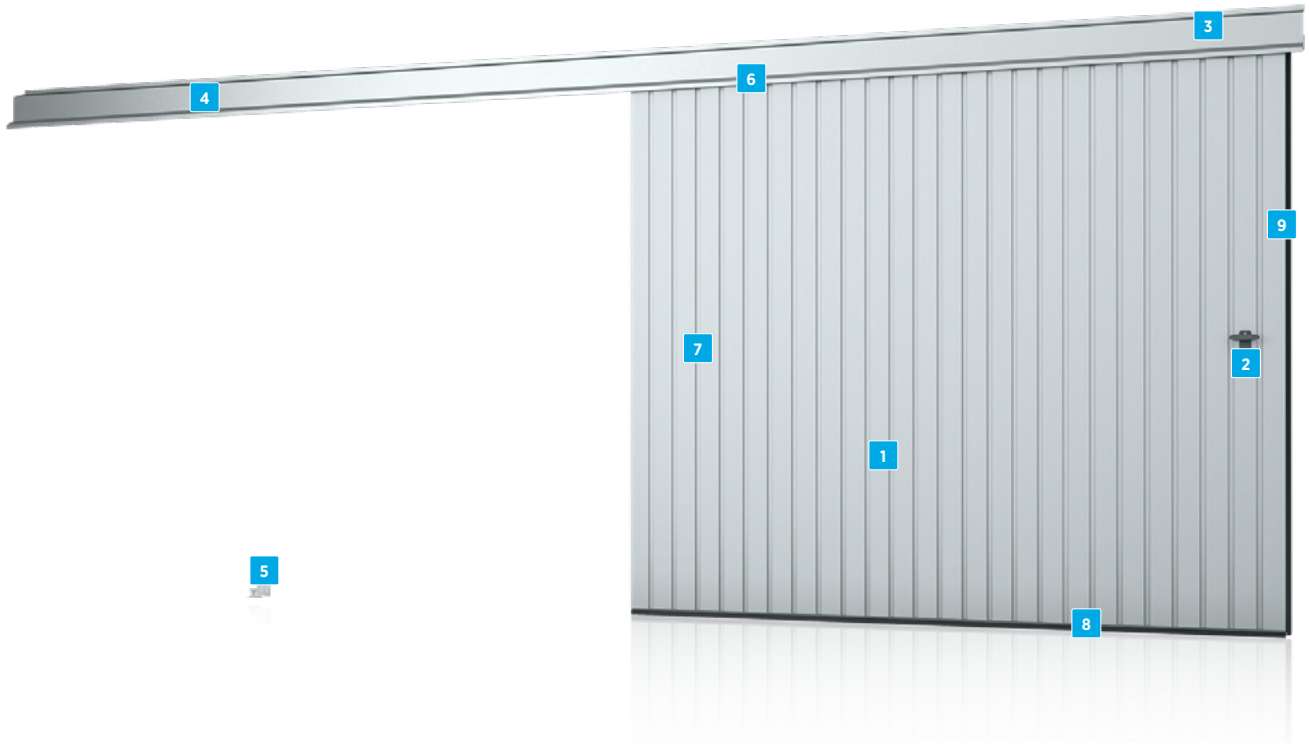
An overhead sliding door is a proven solution for closing off utility rooms, industrial halls and warehouses. With a clear and simple structure, it boasts great functionality and price. A minimized number of components makes for a hassle-free fitting.

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 PN-EN 13241-1.

STRUCTURE

The door includes one or two leafs and running tracks (top or top and bottom). As standard, the door accessories include a lock cylinder (three keys), door installation holder, installation kit (anchors for block walls). As standard, the door is operated manually. The single-leaf external door can be fitted with an electric drive. The leaf structure is made of galvanized steel sections. It is infilled with formed steel sheet with polyester coating – T-10 trapezium. The infill is installed in vertical or horizontal orientation. The leaf is suspended on a running track fixed to the lintel. Rollers fixed to the floor or the lower section of the walls adjacent to the door installation opening (depending on door version) stabilize the leaf and maintain its vertical position. The door is available in a single-leaf and a double-leaf version, as well as with or without thermal insulation. Single-leaf doors with S_O > 6000 [mm] or H_O > 4000 [mm] (see table, page 9) are fitted with the bottom guide rail as standard.



1 Door leaf
The use of the T-10 trapezium sheet ensures proper rigidity of the leaf.

2 Lock
Both active and passive leafs are bolted in two points (in the top and bottom section) with latches.

3 Running track cover
The running track is fitted as standard with a steel sheet cover coated with polyester paint in the door colour.

4 Running track
Made of a hot-dip galvanized steel channel section. The running track is fixed to holders enabling 2-plane adjustment. The ends of the track are fitted with rubber bumpers that prevent the leaf from sliding out.

5 Guiding roller
The guiding roller stabilizes the leaf and maintains its vertical position, it is fixed to the floor or the lower section of the walls adjacent to the door installation opening (applies to doors without the bottom guide rail).

6, 8 Sealing
A brush seal ensures optimal seal in the lintel and floor section of the door.

7 Protective film
A protective film is applied to the leaf for transport (protection from dust and dirt).

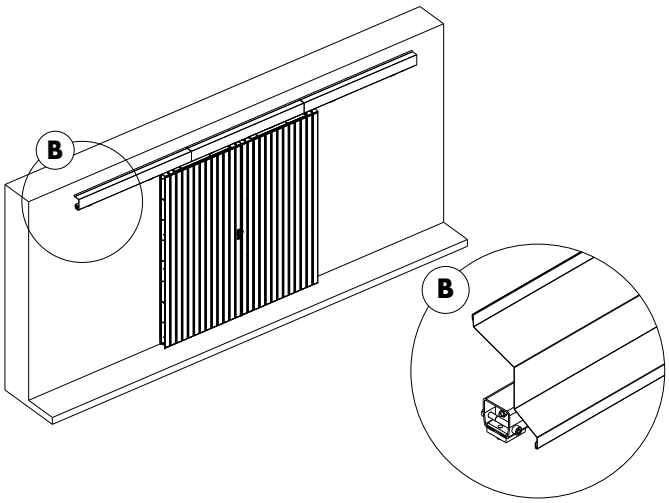
9 Side seals
Rubber gaskets act as side seals.

TECHNICAL DATA

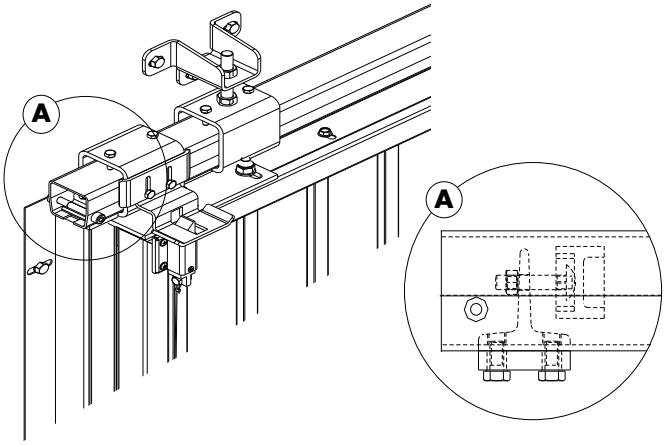
RUNNING TRACK

Made of a hot-dip galvanized steel channel section. The track is fixed to holders enabling 2-plane adjustment. The ends of the track are fitted with rubber bumpers that prevent the leaf from sliding out. The track cover is a standard accessory.

1. Model without the bottom guide rail with So <= 6000 [mm] or Ho <= 4000 [mm]

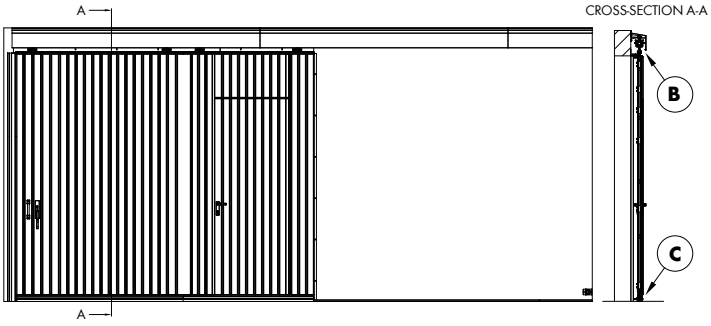


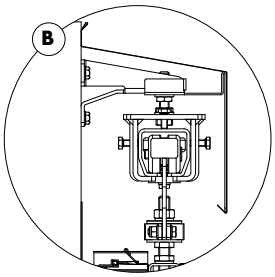
Running track with an installation holder, bumper and track cover. Model without the bottom guide rail.



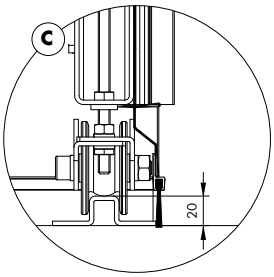
Running track with a mounting clamp and a bumper – as seen from the inside.

2. Model with the bottom guide rail with So > 6000 [mm] or Ho > 4000 [mm]





Top fixing



Bottom track

Running tracks with a mounting clamp and a bumper – as seen from the inside. Model with the bottom guide rail

SINGLE- AND DOUBLE-LEAF **OVERHEAD SLIDING** DOOR MODELS INFILLED WITH T-10 SHEET

Double-leaf overhead sliding door infilled with formed T-10 steel sheet – vertical infill

Single-leaf overhead sliding door infilled with formed T-10 steel sheet – vertical infill

Double-leaf overhead sliding door infilled with formed T-10 steel sheet – horizontal infill

Single-leaf overhead sliding door infilled with formed T-10 steel sheet – horizontal infill

Double-leaf door
manufactured as standard with a symmetrical leaf division (asymmetrical division optionally available). The door can be installed inside or outside the room; in doors installed inside the room, the left leaf is active (looking from the inside), while in doors installed outside the room, the right leaf is active (looking from the outside). The lock is fitted in the active leaf.

Single-leaf door
The door can be installed outside or inside the room and can be opened to the left or right. The lock is fitted in the door leaf.

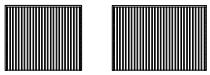
COLOURS

TRAPEZIUM T-10 SHEET

Green RAL 6005
Dark Brown RAL 8017
Graphite RAL 7016
Silver RAL 9006
Light Grey RAL 7035
White RAL 9016
Brown RAL 8014

Available in all RAL palette colours

STANDARD COLOURS

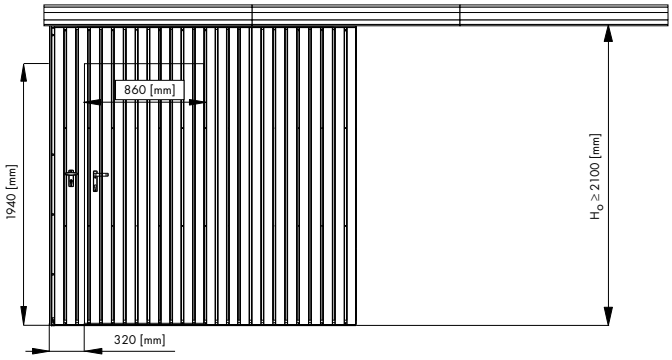
	**Single- and double-leaf overhead sliding doors**
	smooth glossy structure
Infill: formed steel sheet – T-10 trapezium	RAL 6005 (green), RAL 8017 (dark brown), RAL 7016 (graphite), RAL 9006 (silver), RAL 7035 (light grey), RAL 9016 (white). RAL 8014 (brown),

Available lining colours for single- and double-leaf overhead sliding doors.

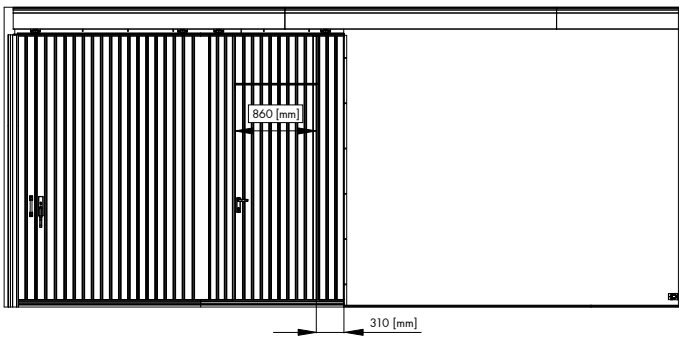
OPTIONAL ACCESSORIES

WICKET DOOR

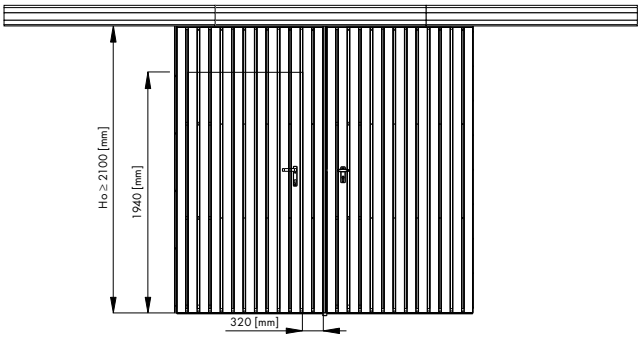
- Clear passage width 860 [mm].
- Clear passage height 1940 [mm].
- In double leaf-gates, the wicket door can be installed in the right or left leaf.
- The wicket door can be installed in a door leaf with a minimum leaf width of 1350 [mm].
- The wicket door can be ordered for doors with Ho ≥ 2100 [mm].
- Outswing.



Wicket door in the single-leaf overhead sliding door
– as seen from the outside. Door without the bottom guide rail.



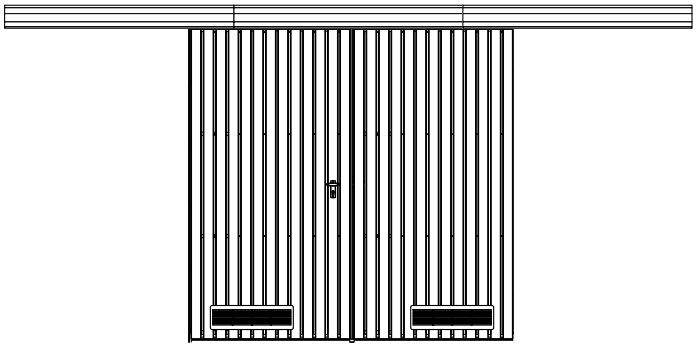
Wicket door in the single-leaf overhead door
– as seen from the outside. Door with the bottom guide rail.



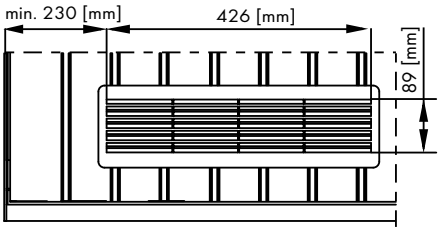
Left wicket door in the double-leaf overhead door
– as seen from the outside.

"K-1" VENTILATION GRILLE

"K-1" ventilation grille: 426x89 [mm] (clear opening). Air flow for grille "K-1": 464 [m^3/h] in accordance with PN-EN 12427.
RAL palette colours: 7016, 8003, 8011, 8014, 8016, 9005, 9016, white from the inside. Actual ventilation area – 0.02 [m^2].



Overhead door with ventilation grilles
"K-1" – as seen from the inside



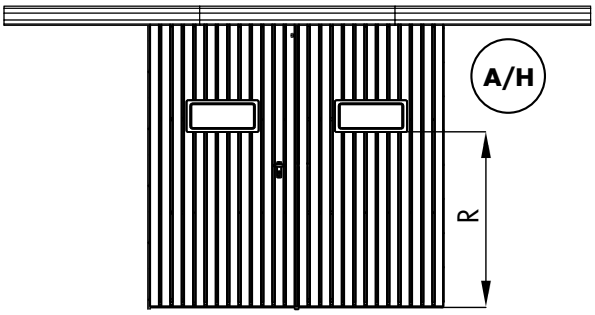
"K-1" ventilation grille

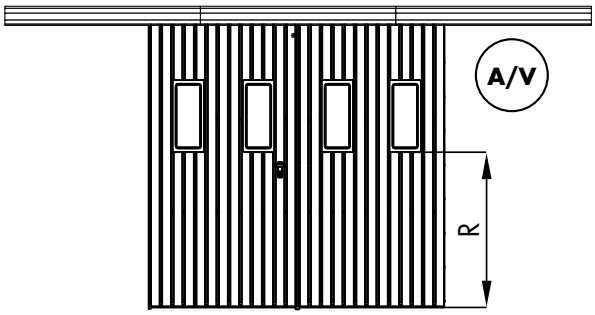
THERMAL INSULATION

The door is insulated with polystyrene 30 [mm] thick. For doors with S_O > 6000 [mm] or H_O > 4000 [mm], polystyrene 60 [mm] thick. From the inside, thermal insulation is covered with a white PVC panel (as standard) or a formed steel sheet in the outer door colour (option).

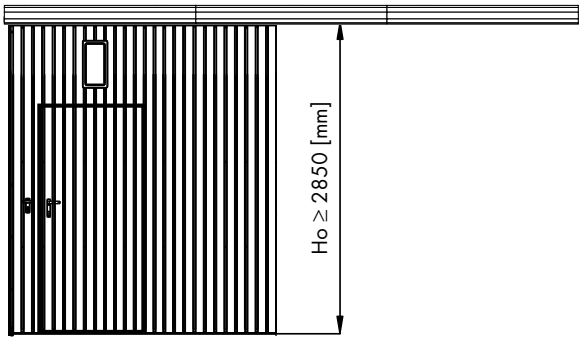
GLAZING

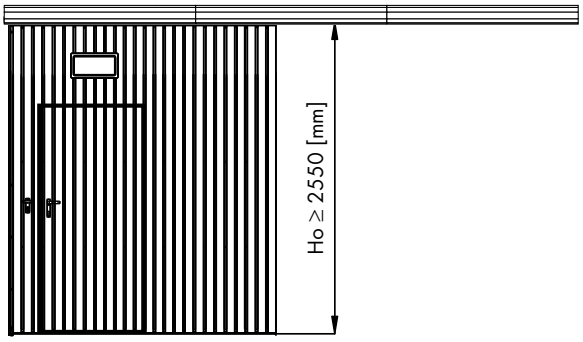
Horizontal and vertical glazing arrangement is available (also several rows of glazing are available) – minimum spacing between glazing 100 [mm].



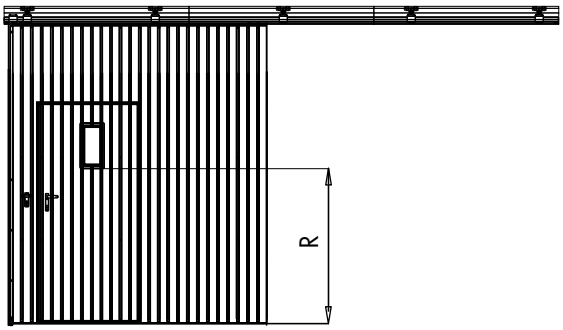


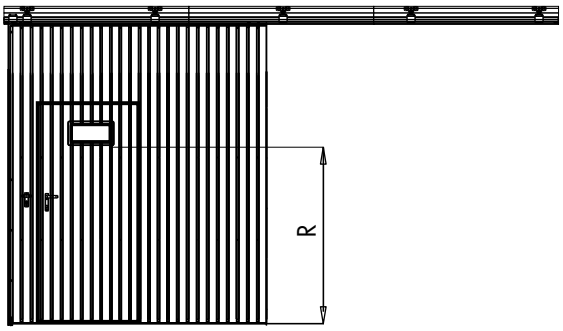
Double-leaf overhead door with glazing – type A – as seen from the outside.





Glazing in vertical and horizontal arrangement over the wicket door in the single-leaf overhead door – as seen from the outside.

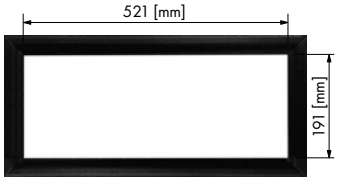




Glazing in vertical and horizontal arrangement in the wicket door in the single-leaf overhead door – as seen from the outside.

PORTHOLES

Type A-1 – made of double, clear acrylic glass, with rough frame surface. The external frame is available in RAL 7016, RAL 8003, RAL 8011, RAL 8014, RAL 8016, RAL 9005, and RAL 9016, white on the inside. Internal/external frame made of PVC. External dimensions of the frame 600x270 [mm]. Light transmission 86%.



Glazing (porthole) – type A-1.

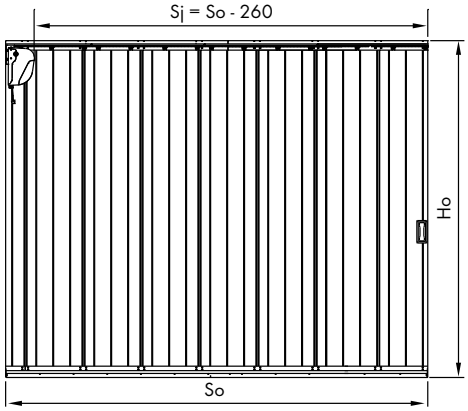
Porthole arrangement	Thermal insulation	R_{max} [mm] in a door with a wicket door
horizontal A/H	NO	1600
	YES	1570
vertical A/V	NO	1300
	YES	1230

AUTOMATION SOLUTIONS

The single-leaf door (installed outside) can be fitted with the BFT Argo 230 [V] drive unit. The drive unit operates the door with the use of a toothed bar mounted on the inside of the door. The drive unit is installed in the clear opening and decreases the clear passage Sj = S_o – 260 [mm]. The kit includes a three-function up-stop-down switch and photocells. The drive unit is available with doors with the maximum dimensions of S_o x H_o = 4000 x 6000 [mm].

VOLTAGE

10 CYCLES / 1 H



Drive unit in the single-leaf door – as seen from the inside

The BFT Argo drive unit
The drive unit is mounted in the clear opening. The kit includes a three-function up-stop-down switch and photocells.

The drive unit is available with doors with the maximum dimensions of So x Ho = 4000 x 6000 [mm].

- Power supply 1x230 V,
- Totmann or Automatik operation mode,
- Overcurrent obstacle detection,
- The drive unit can be uncoupled with strings,
- Integrated BFT radio transmission and lighting,
- Display facilitating the configuration of the drive unit,
- Door cycle counter,
- Compatible with emergency power supply batteries.

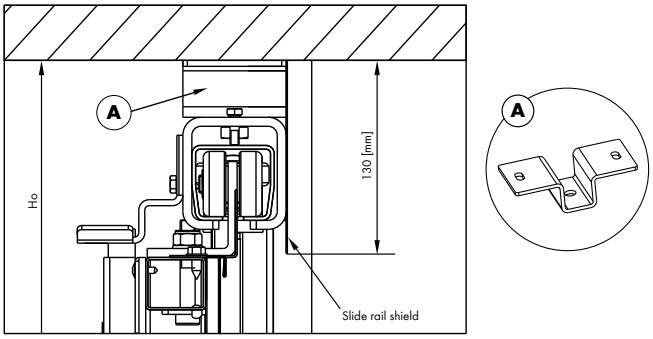
PARAMETER	BFT ARGO
Power supply	230V ± 10% 50 Hz
Motor	24 [V] dc
Input power	240 W
Torque	55 Nm
Integrated light	YES
Rotational speed of the shaft	30 RPM
Obstacle detection	YES
Obstacle detection type	electronic
Limit switches	encoder
Operating temp.	from -20°C to + 60°C
Protection rating	IP 40
Duty	up to 10 cycles/hour
Actuator weight	12.2 kg
Max. door surface area	24 m^2
Central control unit	built-in, with an LCD display

INSTALLATION

Installation of the door in an aggressive environment that accelerates corrosion (e.g. drying rooms, chemical substance storage facilities) is subject to individual arrangements. Due to the corrosion protection of the doors, they can be used in line with their intended use in atmospheric corrosion class environments C1, C2, C3 in accordance with PN-EN ISO 12944-2 and PN-EN ISO 14713

Installed to the ceiling

When the lintel is not present, the door can be fixed directly to the ceiling with a hanger. This installation method is available for internal single- and double-leaf doors. For door installed to the ceiling Hj = Ho – 130 [mm]. Track cover as standard. Does not apply to the door with the bottom guide rail.



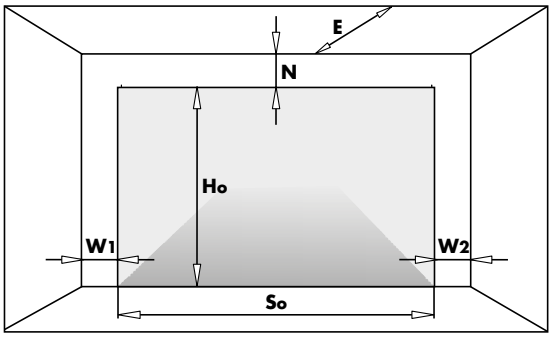
Sectional	Single-leaf		Double-leaf	Single-leaf	
	without the bottom guide rail			with the bottom guide rail	
	JWP, JWL	JZP, JZL	DW, DZ	JWP, JWL	JZP, JZL
Sj	S_O				
Hj	= Ho installed to the lintel / = Ho –130 [mm] installed to the ceiling			Ho	
N_{min}	230 [mm] installed to the lintel / 0 [mm] installed to the ceiling			350 [mm]	
W_{1min}	S_O + 315 [mm] (1)	S_O + 225 [mm] (1)	1/2 S_O + 175 [mm] (2)	200 [mm]	
W_{2min}	115 [mm]	150 [mm]		So + 250 [mm] (1)	
E_{min}	200 [mm]			220 [mm]	

Installation parameters.

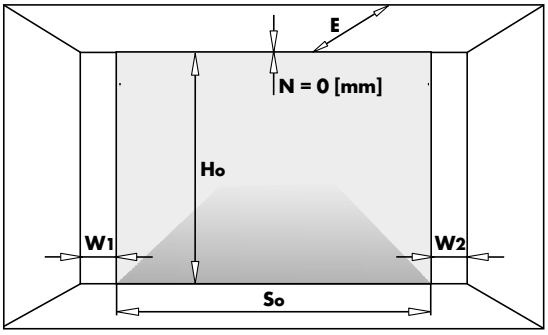
JWP – Single-leaf, internal, right
JWL – Single-leaf, internal, left
JZL – Single-leaf, external, left
JZP – Single-leaf, external, right
DW – Double-leaf, internal
DZ – Double-leaf, external

Installation dimensions

Installation conditions



Installation dimensions necessary for proper selection and installation of the overhead sliding door – installed to the lintel.



Installation dimensions necessary for proper selection and installation of the overhead sliding door – installed to the ceiling.

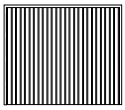
S_O – opening width, ordering dimension,
S_j – clear passage width,
H_O – opening height, ordering dimension,
H_j – clear passage height,
N – minimum required lintel height,
W_1 – minimum required side clearance,
W_2 – minimum required side clearance,
E – minimum room depth with clearance under the ceiling for installation inside the room.

The provided parameters should be ensured from the side of door installation (inside or outside the room).

(1) – Required side clearance from the side of opening of the single-leaf door.
(2) – Required side clearance for the double-leaf door with a symmetrical leaf division.

AVAILABLE DIMENSIONS

DIMENSIONAL RANGE FOR SINGLE-LEAF DOORS WITHOUT/WITH THERMAL INSULATION WITH VERTICAL RIBS



VERTICAL RIBS
RAL 6005, RAL 7016, RAL 7035, RAL 8014,
RAL 8017, RAL 9006, RAL 9016

Opening height [1] (Ho) [mm] up to:	Opening width [1] (So) [mm] up to:																								
	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000
2000																									
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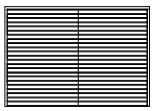
5500																						–	–	–	–
5750																						–	–	–	–
6000																						–	–	–	–

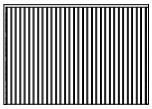
The bottom guide rail is available as an option.

The door is fitted with the bottom guide rail as standard.

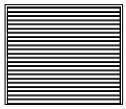
DIMENSIONAL RANGE FOR SINGLE-LEAF DOORS WITHOUT/WITH THERMAL INSULATION WITH HORIZONTAL RIBS, DOUBLE-LEAF DOORS WITHOUT/WITH THERMAL INSULATION WITH VERTICAL AND HORIZONTAL RIBS



HORIZONTAL RIBS
RAL 6005, RAL 7016, RAL 7035, RAL 8014,
RAL 8017, RAL 9006, RAL 9016



VERTICAL RIBS
RAL 6005, RAL 7016, RAL 7035, RAL 8014,
RAL 8017, RAL 9006, RAL 9016

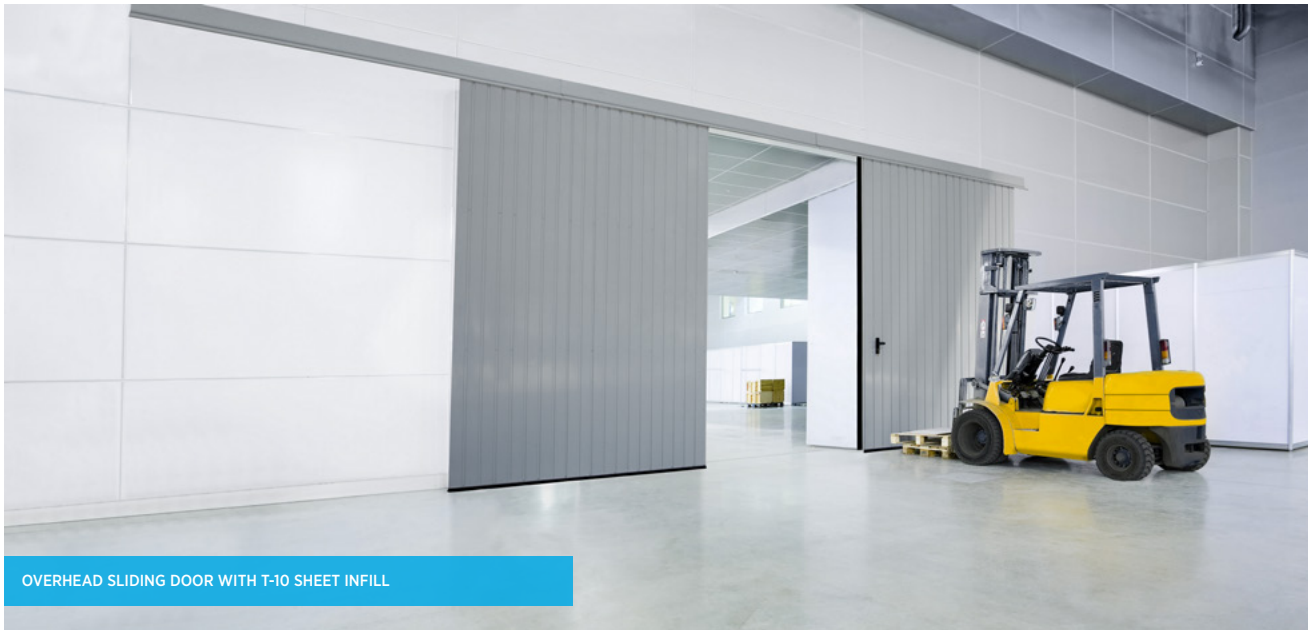


HORIZONTAL RIBS
RAL 6005, RAL 7016, RAL 7035, RAL 8014,
RAL 8017, RAL 9006, RAL 9016

Opening height [1] (Ho) [mm] up to:	Opening width [1] (So) [mm] up to:															
	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
2000																	
2250																	
2500																	
2750																	
3000																	
3250																	
3500																	
3750																	
4000																	

- door without the bottom guide rail.

OVERHEAD SLIDING DOOR WITH T-10 SHEET INFILL



OVERHEAD SLIDING DOOR WITH T-10 SHEET INFILL

SPECIFICATION

	T-10 overhead door
Leaf	Galvanized steel section structure, T-10 steel sheet infill
Minimum guaranteed number of cycles	20000
Heat transfer coefficient	NPD
Watertightness	class 1 in accordance with PN-EN 13241-1 section 4.4.2
Resistance to wind load	class 4 in accordance with PN-EN 13241-1 section 4.4.3
Air permeability	class 0 in accordance with PN-EN 13241-1 section 4.4.6
Method of operation	Manually-operated door (optionally an electric drive unit 1x230 V)
Sealing	The door is sealed along the entire circumference (brush seal along the lintel and floor, rubber gasket on the sides)
Optional accessories	Bottom guide rail, electric drive unit, ventilation grilles, portholes, installation to the ceiling, wicket door, asymmetrical leaf division, different RAL colour outside, T-10 infill inside (instead of PVC)
Maximum width / height of the door [mm]	8000 / 6000 [mm]
Standard colours	RAL 6005, RAL 7016, RAL 7035, RAL 8014, RAL 8017, RAL 9006, RAL 9016

WIŚNIOWSKI
GATES | WINDOWS | DOORS | FENCES

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N = 49° 40' 10" | E = 20° 41' 12"

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See other solutions from WIŚNIOWSKI!

The products shown in the pictures 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. • OVERHEAD SLIDING DOORS WITH T-10 SHEET INFILL /10.19/EN