

# INDUSTRIAL DOORS



## WIŚNIEWSKI

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## SlidePro OVERHEAD SLIDING DOORS

**Intended use:** Overhead sliding doors are designed for residential, utility, and industrial buildings. They comprise one or two leaves, as well as a single running track fixed to the lintel. The leaf is made of 40 [mm] thick panels and is filled with freon-free polyurethane foam. As standard, the door is operated manually. The single-leaf external door can be fitted with an electric drive.



### 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

The 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.



### DESIGN

The proven structure of the door in a revised design was adapted to the new leaf type made of panels used for manufacturing sectional door leaves. This allowed the SlidePro to gain unique aesthetics, improved strength parameters, and an impressive thermal transmittance factor.



## STRUCTURE

The leaf comprises 40 [mm] thick panels made of galvanized steel sheet, filled with freon-free polyurethane foam, with an external "silklite" structure with "V" ribs and woodgrain in panels without "G" ribs. "Woodgrain" structure inside in RAL 9002. The panels are coated with polyester paint and fitted with galvanized steel sheet hardware. The panels are mounted in a vertical orientation. The leaf is suspended on the 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.

**Double-leaf doors** have a symmetrical leaf division. 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. Thermal transmittance factor  $U = 2.56 \text{ [W/m}^2\text{xK]}$  for door dimensions 3000 x 3000 [mm] and  $U = 2.07 \text{ [W/m}^2\text{xK]}$  for door dimensions 6000 x 4000 [mm].

**Single-leaf doors** 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. Thermal transmittance factor  $U = 3.09 \text{ [W/m}^2\text{xK]}$  for door dimensions 3000 x 3000 [mm] and  $U = 2.78 \text{ [W/m}^2\text{xK]}$  for door dimensions 6000 x 4000 [mm].



### 1 Door leaf

The use of a modern panel allowed the SlidePro to gain unique aesthetics, improved strength parameters, and a good thermal transmittance factor.

### 2 Lock

Both active and passive leafs (double-leaf doors) are bolted in two points (in the top and bottom section) with latches. The active leaf is fitted with a plastic handle from the outside and from the inside and a single-side lock cylinder accessible from the outside. From the inside, the lock is operated with a latch.

### 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.

### 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.



SlidePro SINGLE- AND DOUBLE-LEAF OVERHEAD SLIDING DOOR MODELS



SlidePro single-leaf overhead sliding door with V-rib panels



SlidePro double-leaf overhead sliding door with V-rib panels



SlidePro single-leaf overhead sliding door with G panels – without ribs



SlidePro double-leaf overhead sliding door with G panels – without ribs

COLOURS



Available in all RAL palette colours

COLOURS

		Without ribs <b>G</b>			
Colour		structure			
		Woodgrain	Smoothgrain	Sandgrain	Silkline
RAL	RAL 7016 (graphite)	●	—	—	—
	RAL 8014 (brown)	●			
	RAL 9006 (silver)	●			
	RAL 9016 (white)	●			
	other RAL	●			

● Available — Unavailable

Structures and colours for the panel without ribs and with high ribs for SlidePro doors.

		Ribs <b>V</b>			
Colour		structure			
		Woodgrain	Smoothgrain	Sandgrain	Silkline
RAL	RAL 9006 (silver)	—	—	—	●
	other RAL	—	—	—	●

● Available — Unavailable

Structures and colours for the panel with V ribs for SlidePro doors.



## 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  $S_j = S_o - 260$  [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  $S_o \times H_o = 4000 \times 4000$  [mm].



VOLTAGE



10 CYCLES / 1 H

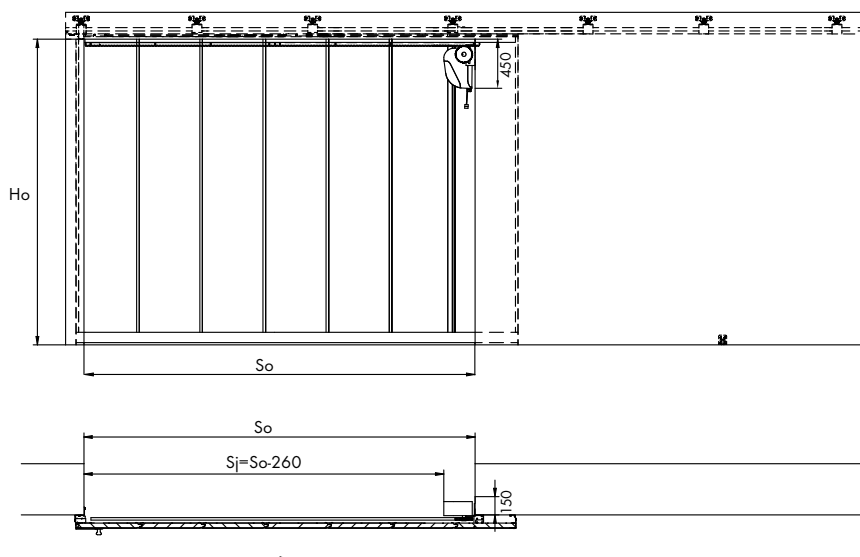
PARAMETER	BFT ARGO
Power supply	230V $\pm$ 10% 50 Hz
Motor	24 [V] dc
Input power	240 W
Torque	55 Nm
Integrated light	YES
Rotational speed of the shaft	30 RPM
Obstacle detection	YES
Obstacle detection type	electronic
Limit switches	encoder
Operating temp.	from -20°C to + 60°C
Protection rating	IP 40
Duty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

### 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  $S_o \times H_o = 4000 \times 4000$  [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.



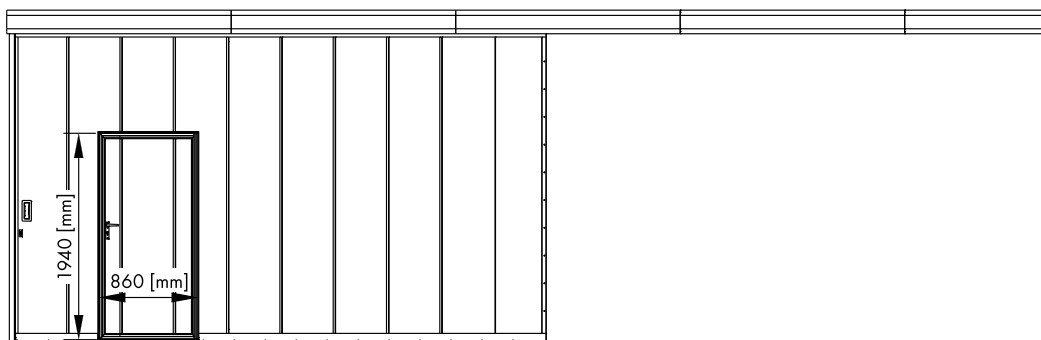
Drive unit in the single-leaf door – as seen from the inside



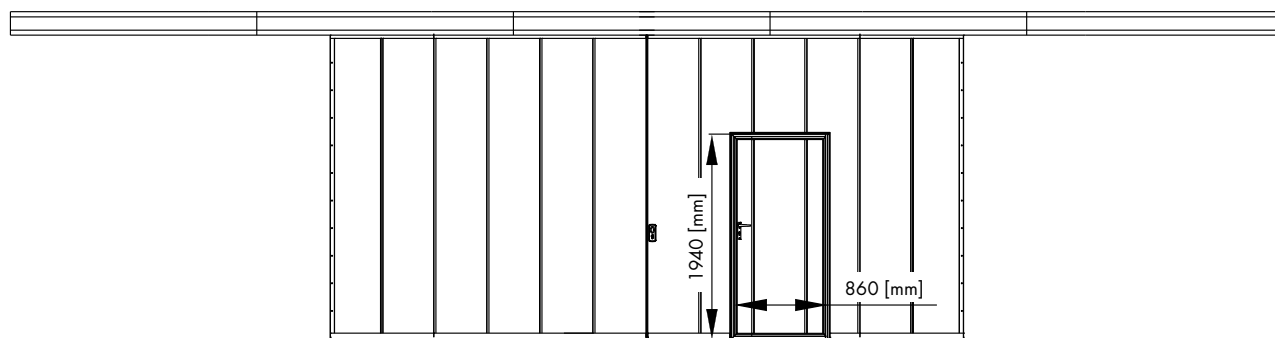
## OPTIONAL ACCESSORIES

### WICKET DOOR

- outswing, fitted with a wicket door opening limiter as standard,
- lock with a lock cylinder and three keys as standard,
- clear passage of the wicket door  $S_j \times H_j = 860 \times 1940$  [mm],
- threshold height 70 [mm],
- the wicket door can be fitted in single-leaf doors with  $S \geq 2000$  [mm] and  $H_o \text{ min} \geq 2200$  [mm] and in double-leaf doors with  $S \geq 3750$  [mm] and  $H_o \text{ min} \geq 2200$  [mm],
- wicket door hardware is always in a natural aluminium colour,
- the wicket door option in automatic doors includes a wireless wicket door opening sensor.



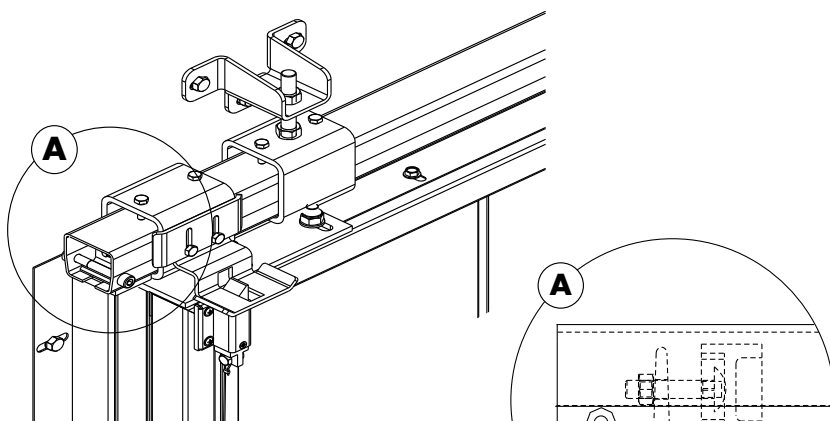
Wicket door in the SlidePro single-leaf overhead sliding door.



Wicket door in the SlidePro double-leaf overhead sliding door.

### 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. The track cover is a standard accessory.



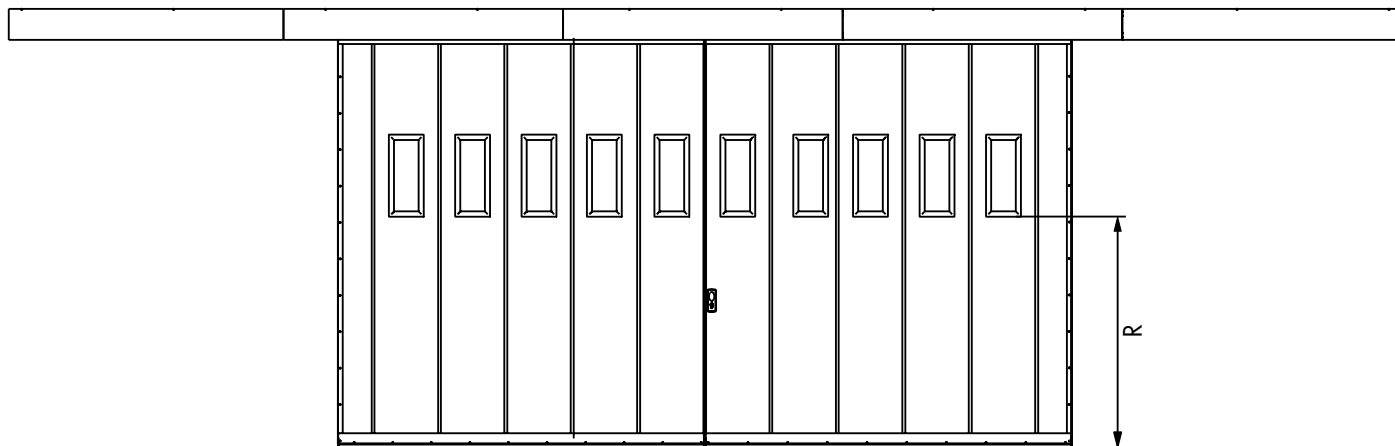
Running track with a mounting clamp and a bumper – as seen from the inside.



## GLAZING

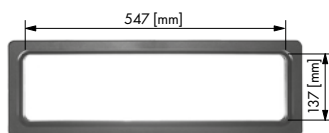
### GLAZING - PORTHOLES

Portholes are mounted in a vertical arrangement in the panel axis. Portholes can be installed in all panels excluding outermost panels and in the area of wicket door installation. Minimum installation height of portholes  $R_{min}=500$  [mm]. Maximum installation height of portholes  $R_{max} = H_{porthole height}-150$  [mm].



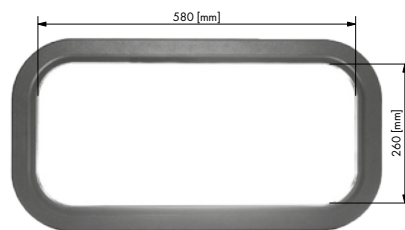
SlidePro double-leaf overhead sliding door with glazing - as seen from the outside.

**Type B-1** - made of double, clear acrylic glass, with smooth frame surface. Black external and internal frame. Internal/external frame made of ABS. External dimensions of the frame 610x200 [mm]. Light transmission 86%.



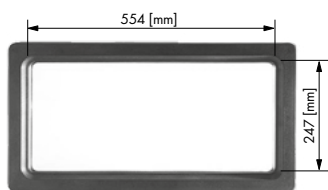
Glazing (porthole) - type B-1.

**Type B-3 oval** - made of double, clear acrylic glass, with smooth frame surface. Black external and internal frame. Internal/external frame made of ABS. External dimensions of the frame 667x347 [mm]. Light transmission 86%.



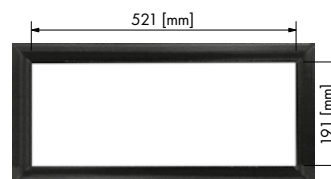
Glazing (porthole) - type B-3.

**Type A-3** - made of double, clear acrylic glass, with smooth frame surface. Black external and internal frame. Internal/external frame made of ABS. External dimensions of the frame 643x337 [mm]. Light transmission 86%.



Glazing (porthole) - type A-3.

**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. The internal frame is only available in white. Internal/external frame made of PVC. External dimensions of the frame 600x270 [mm]. Light transmission 86%.



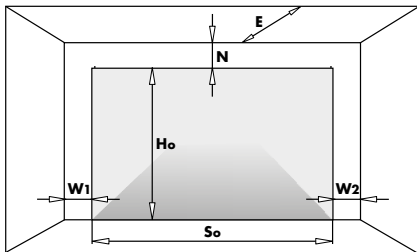
Glazing (porthole) - type A-1.



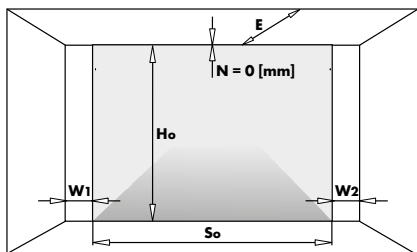
## INSTALLATION

### 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.

Door	Single-leaf		Double-leaf
	JWP, JWL	JZP, JZL	DW, DZ
Sj	So		
Hj	= H <sub>0</sub> installed to the lintel / = H <sub>0</sub> -130 [mm] installed to the ceiling		
Nmin	230 [mm] installed to the lintel / 0 [mm] installed to the ceiling		
W1min	So + 515 [mm] <sup>(1)</sup>	So + 515 [mm] <sup>(1)</sup>	1/2 So + 450 [mm] <sup>(2)</sup>
W2min	115 [mm]	150 [mm]	
Emin	200 [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

So – opening width, ordering dimension,

Sj – clear passage width,

Ho – opening height, ordering dimension,

Hj – clear passage height,

N – minimum required lintel height,

W<sub>1</sub> – minimum required side clearance,

W<sub>2</sub> – minimum required side clearance,

E<sup>2</sup> – minimum room depth with clearance under the ceiling for installation inside the room.



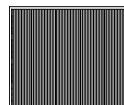
The provided parameters should be ensured from the side of door installation (inside or outside the room).

## AVAILABLE DIMENSIONS

AVAILABLE DIMENSIONS OF THE SlidePro SINGLE- AND DOUBLE-LEAF OVERHEAD SLIDING DOOR



**Woodgrain:** RAL 9016, RAL 9006, RAL 8014, RAL 7016



**Silkline:** RAL 9006

Opening height <sup>(1)</sup> (Ho) [mm] up to:	Opening width <sup>(1)</sup> (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																	



Single-leaf widths are only available as standard dimensions at 250 [mm] increments, whereas door heights are available in the full range.

<sup>(1)</sup> – Required side clearance from the side of opening of the single-leaf door.

<sup>(2)</sup> – Required side clearance for the double-leaf door with a symmetrical leaf division.





## SPECIFICATION

## SlidePro overhead door

Leaf	A panel made of galvanized steel sheet with two-side polyester coating, galvanized and painted on both sides, infilled with high density PU foam g=42 kg/m <sup>3</sup> without HCFC
Minimum number of cycles	20000
Heat transfer coefficient	<ul style="list-style-type: none"> <li>- for single-leaf door 3000x3000 3.09 [W/m<sup>2</sup>xK],</li> <li>- for single-leaf door 6000x4000 2.78 [W/m<sup>2</sup>xK],</li> <li>- for double-leaf door 3000x3000 2.56 [W/m<sup>2</sup>xK],</li> <li>- for double-leaf door 6000x4000 2.07 [W/m<sup>2</sup>xK],</li> </ul> in accordance with PN-EN 13241-1 section 4.4.6
Watertightness	class 2 in accordance with PN-EN 13241-1 section 4.4.2
Resistance to wind load	<ul style="list-style-type: none"> <li>- for heights from 2600 [mm] Class 4,</li> <li>- for heights from 2940 [mm] Class 3,</li> <li>- for heights from 3410 [mm] Class 2,</li> <li>- for heights from 4000 [mm] Class 1,</li> </ul> in accordance with PN-EN 13241-1 section 4.4.3
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	Electric drive unit, portholes, ceiling installation, wicket door, different RAL colour on the outside
Maximum width / height of the door [mm]	6000 / 4000 [mm]
Standard colours	RAL 9016, RAL 9006, RAL 8014, RAL 7016


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