

# GARAGE DOORS



**WIŚNIOWSKI**

GATES | WINDOWS | DOORS | FENCES

## SECTIONAL DOORS UniPro

**Intended use:** The sectional garage door is intended for use in private residential buildings. It is made of vertical tracks, horizontal ceiling-mounted tracks, and a leaf made of steel panels. The structure is made of galvanized elements. The door is sealed around the entire circumference.

### THERMAL INSULATION

Steel panels are made of galvanized sheet, filled with freon-free, hardened polyurethane foam and coated with polyester paint on both sides. This ensures very good thermal insulation and acoustic properties. Each door features a system of flexible and robust gaskets both along the entire circumference and between the panels, which considerably contributes to the insulating qualities of the door.

### 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

Thanks to our broad range of track systems, WIŚNIOWSKI garage doors can be matched to all types of garages. A properly selected track type makes it possible to take advantage of all the benefits of the door that can be fitted in newly built buildings just as well as in those to be renovated.

## STRUCTURE

The sectional door is installed behind the opening or in the opening (depending on the type), it opens vertically upwards and does not take up any space on the driveway. Sectional doors let you use the space available in front of the door and inside the building to its maximum potential. Thanks to our broad range of track systems, WIŚNIOWSKI garage doors can be matched with all types of buildings, even non-standard ones. Our solutions enable the door to operate without disturbing you in the garage. Thanks to numerous safety systems, our doors are safe at every stage of opening and closing, regardless of the method of operation: manual or automatic.

The leaf weight is perfectly balanced with the torsion spring system designed for 25,000 cycles or the pull spring system designed for 20,000 cycles. Springs are preselected with computer precision and guarantee the best balancing of the door, maximum comfort, and safety of use. The doors are made of panels with a profile that prevents fingers from getting crushed. All the steel elements are galvanized (tracks, frames, fastening elements). The door is fitted with guiding sliding rollers with bearings providing appropriate running of the door curtain, while a dedicated profile of the tracks prevents derailing.

Large dimension gates are additionally reinforced with special elements that increase the rigidity of the entire structure. Door panels are coated with high quality polyester paints. This provides optimum protection against the weather conditions and ensures many years of operation. Thanks to the vast range of colours, WIŚNIOWSKI garage doors can be easily matched to the building's façade. WIŚNIOWSKI doors are an investment that stands the test of time.



### 4 Panel hardware in the RAL 9002 colour

The colour matches the panel colour on the inside.

### 5 Photocells

They prevent uncontrolled door leaf operation when an obstacle is present within the clear passage – optional accessory.



**Cable break safety device**<sup>(1)</sup>



**Double-lip circumferential seal**

Used as standard, it ensures improved sealing of the door.



**Quiet guiding rollers**

In doors with torsion springs; they ensure proper running of the door.



### Bottom gasket

High quality gaskets terminated with stops perfectly adapt to the shape of the floor and prevent water from penetrating under the door to the inside of the garage.



### Overload safety device

In automatic doors; the door leaf stops and reverses when the bottom edge contacts an obstacle.



**Special panel shape**

They prevent fingers from being crushed.

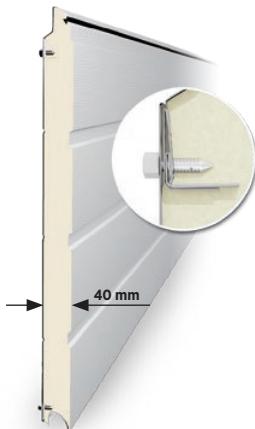


**Integrated spring break safety device**

<sup>(1)</sup> – Standard for doors with the SHL, SSpA, and SStA tracks in the entire dimensional range and for doors with other tracks fitted with torsion springs when the surface area  $S_0 \times H_0 \geq 9 \text{ [m}^2\text{]}$ . For doors  $S_0 \times H_0 < 9 \text{ [m}^2\text{]}$ , available as an optional accessory.



## PANEL STRUCTURE



### Robust and reliable design

We consistently follow the same design principles for our whole range of sectional garage doors. Thanks to our robust and reliable design, you can rest assured that the door will meet even the most extreme requirements and withstand the most demanding operating conditions. Special solutions, such as the original panel built using the **5-ply** sheet bending system ensures stable fixation of elements, which further contributes to the strength of the structure. The top section is fitted with a lip gasket. The inner side of the panel in a colour similar to RAL 9002. Thermal transmittance factor of the panel  $U_p = 0.48 \text{ W/m}^2\text{K}$ ]

## RIB TYPES



G - without ribs



W - high ribs



N - low ribs



K - caisson ribs



V - V ribs

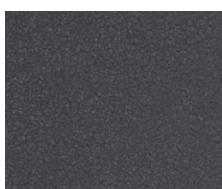
## TEXTURES



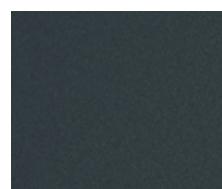
Woodgrain



Smoothgrain



Sandgrain



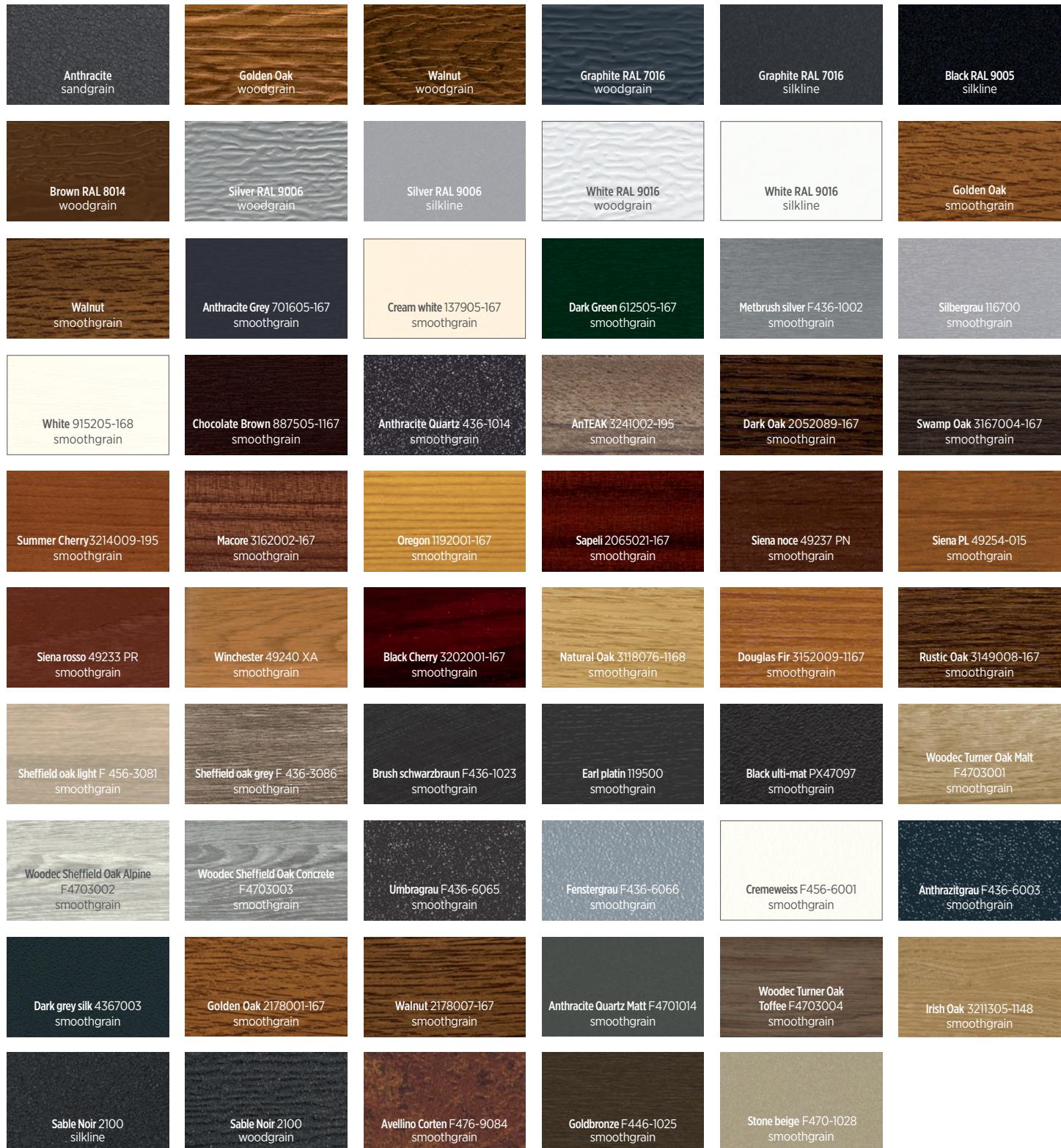
Silkline



Silkline, panel with V ribs



## AVAILABLE COLOURS:



Our paint range includes over 200 colours from the RAL palette.



Film coatings available with garage doors with the panel:  
G - without ribs or W - with high ribs



## HOME INCLUSIVE 2.0 colours

The Home Inclusive 2.0 colour collection combines four product groups: Garage doors|Windows|Doors|Fences.

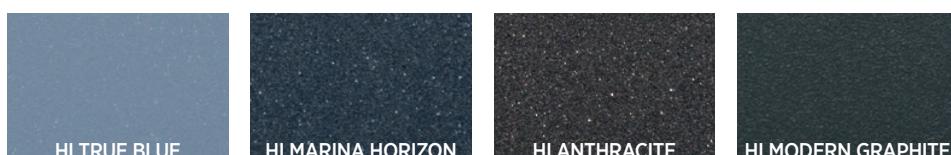
### HI EARTH



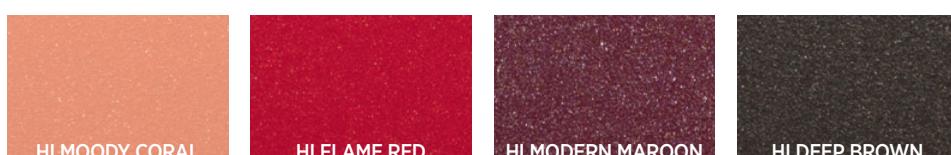
### HI STONE



### HI STEEL



### HI RUBY



**Special colours** from the HI palette:



Doors in light colours should be fitted on the side exposed to sunlight. It is not recommended to fit dark colour doors in such conditions, in particular RAL: 3007, 4006, 4007, 5004, 5008, 5010, 5011, 5020, 5022, 6008, 6009, 6015, 6022, 7015, 7016, 7021, 7024, 7026, 7043, 8014, 8019, 8022, 9004, 9005, 9011, 9017, 9021, Anthracite, Walnut, Macore, Dark Oak, Swamp Oak, Siena Noce, Siena Rosso, Quartz Anthracite, Summer Cherry, Sapeli, Dark Green, Sheffield Oak Brown, Rustic Oak, Chocolate Brown, Black Ulti-Mat, Brush Schwarzbraun, Umbragrau, Anthrazitgrau. When a dark colour is chosen for doors installed on the side exposed to sunlight, the panels can heat up, which may result in deformation. The door leaf cannot be painted from the inside. When ordering doors in matching colours in different orders (supply batches), the colour hues can differ due to technological reasons.

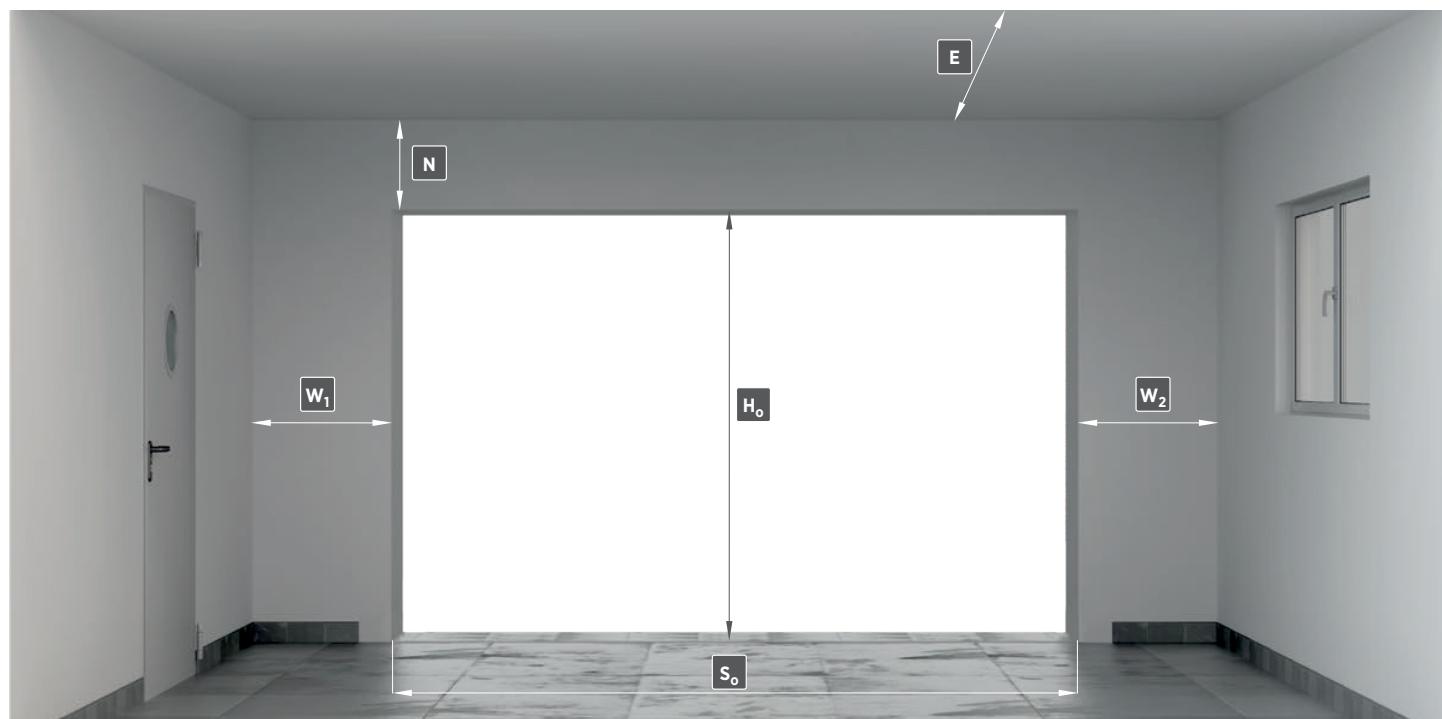


## U THERMAL TRANSMITTANCE FACTOR [W/m<sup>2</sup>K]

Door height in [m]	Door width in [m]																	
	2,250	2,375	2,400	2,500	2,600	2,750	3,000	3,250	3,500	3,750	4,000	4,250	4,500	4,750	5,000	5,500	6,000	
2,000	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
2,100	1,3	1,3	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
2,125	1,3	1,3	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
2,200	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
2,250	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,1	
2,375	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,1	
2,500	1,3	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
2,625	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
2,750	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
2,875	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
3,000	1,3	1,3	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
3,250	1,3	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
3,500	1,3	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	

The factors are provided for doors without glazing, wicket doors, ventilation grilles, aluminium panels, and additional thermal gaskets.

## INSTALLATION DIMENSIONS



**S<sub>o</sub>** - opening width, ordering dimension  
**H<sub>o</sub>** - opening height, ordering dimension  
**N** - minimum required lintel height

**W<sub>1</sub>** - minimum required side clearance  
**W<sub>2</sub>** - minimum required side clearance  
**E** - minimum garage depth with clearance under the ceiling



# TRACKS



## Sp tracks

Torsion springs installed in the front by the lintel, garage door with double horizontal tracks.

Minimum garage door dimensions:

- $S_o = 1500$  [mm] and  $H_o = 1800$  [mm] – garage doors type  **N**
- $S_o = 1500$  [mm] and  $H_o = 1900$  [mm] – garage doors type  **G**,  **W**,  **V**
- $S_o = 2230$  [mm] and  $H_o = 1990$  [mm] – garage doors type  **K**
- $S_o = 2000$  [mm] when  $H_o > 3000$  [mm]

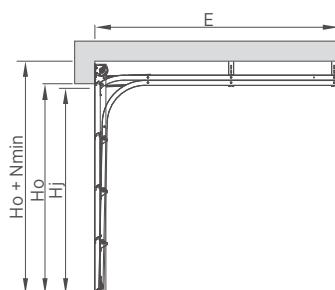
## Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to																	
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500	6000	
2000																		
2100																		
2125																		
2200																		
2250																		
2375																		
2500																		
2625																		
2750																		
2875																		
3000																		
3250																		
3500																		

<sup>(1)</sup> – Ordering dimension.

## Installation dimensions

		Sp	SSpN		SSpN, SSpG, SSpW, SSpK		SSpG, SSpW		SSpV	
Colour/Structure			RAL 8014, RAL 9006, RAL 9016, other RAL (Woodgrain)		Golden Oak, Walnut RAL 7016, RAL 8014, RAL 9016, RAL 9006 panel type <b>G</b> , <b>W</b> , <b>K</b> (Woodgrain) film coating (Smoothgrain)		Golden Oak, Walnut (Smooth-grain), Anthracite (Sandgrain) RAL 7016, RAL 9016, RAL 9005, other RAL (Silkline), Home Inclusive 2.0		RAL 9006, RAL 7016, other RAL (Silkline)	
Dimension		standard	special	standard	special	standard	special	standard	special	
Nmin		=200 [mm] for $H_o = 2000$ [mm] $H_o = 2100$ [mm] $H_o = 2250$ [mm] $H_o = 2500$ [mm] =220 [mm] for $H_o = 2125$ [mm] $H_o = 2200$ [mm]	=200 [mm]	=200 [mm] for $H_o = 2100$ [mm] $H_o = 2250$ [mm] =220 [mm] for $H_o = 2125$ [mm] $H_o = 2200$ [mm]	=200 [mm]	=200 [mm] for $H_o = 2000$ [mm] $H_o = 2100$ [mm] $H_o = 2125$ [mm] $H_o = 2250$ [mm] $H_o = 2375$ [mm] $H_o = 2500$ [mm] =220 [mm] for $H_o = 2200$ [mm]	=200 [mm]	=200 [mm]	=200 [mm]	
Sj						S <sub>o</sub> - 40 [mm]				
Hj	Manual					H <sub>o</sub> - 160 [mm]				
	Manual + catcher					H <sub>o</sub> - 80 [mm]				
	With a drive unit					H <sub>o</sub> - 50 [mm]				
	W1, W2					110 [mm]				
Emin	Manual					H <sub>o</sub> + 400 [mm]				
	With the MOTO drive					L <sub>s</sub> + 300 [mm]				
	With the METRO drive					L <sub>s</sub> + 410 [mm]				
	With the SPARK drive					L <sub>s</sub> + 363 [mm]				
Ls	With the MOTO drive					2900 [mm] for $H_o \le 2250$ ; 3500 [mm] for $H_o > 2250$ and $H_o \le 2850$ ; 4500 [mm] for $H_o > 2850$ [mm]				
	With the METRO drive					3288 [mm] for $H_o \le 2250$ ; 3831 [mm] for $H_o > 2250$ and $H_o \le 2750$ ; 4384 [mm] for $H_o > 2750$ and $H_o \le 3250$ ; 4927 [mm] for $H_o > 3251$ [mm]				
	With the SPARK drive									



**So – opening width, ordering dimension.** Sj – clear passage width after garage door installation. **Ho – opening height, ordering dimension.** Hj – clear passage width after garage door installation. N – minimum required lintel height. W<sub>1</sub> – minimum required side clearance. W<sub>2</sub> – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. L<sub>s</sub> – drive rail length.



### St tracks

Torsion springs installed at the end of the horizontal tracks, garage door with double horizontal tracks.

Minimum garage door dimensions:

- $S_o = 1500$  [mm] and  $H_o = 1800$  [mm] – garage doors type  **N**
- $S_o = 1500$  [mm] and  $H_o = 1900$  [mm] – garage doors type  **G**,  **W**,  **V**
- $S_o = 2230$  [mm] and  $H_o = 1990$  [mm] – garage doors type  **K**

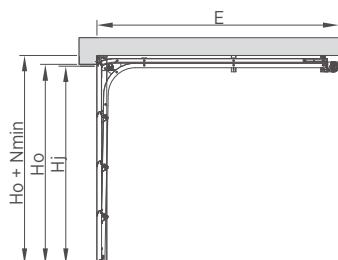
### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to														
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
2000															
2100															
2125															
2200															
2250															
2375															
2500															
2625															
2750															
2875															
3000															

<sup>(1)</sup> – Ordering dimension.

### Installation dimensions

St		SStN, SStG, SStW, SStK			SStV
Colour/Structure		all available colour and structure combinations			RAL 9006, RAL 7016, other RAL (silkline)
Dimension		standard	special		special
N <sub>min</sub>	Manual			100 [mm]	
	With the MOTO drive			140 [mm]	
	With the METRO drive			150 [mm]	
	With the SPARK drive			S <sub>o</sub> - 40 [mm]	
H <sub>j</sub>	S <sub>j</sub>			H <sub>o</sub> - 160 [mm]	
	Manual			H <sub>o</sub> - 90 [mm]	
	Manual + catcher			H <sub>o</sub> - 90 [mm]	
E <sub>min</sub>	W <sub>1</sub> , W <sub>2</sub>			110 [mm]	
	Manual			H <sub>o</sub> + 750 [mm]	
	With the MOTO drive			L <sub>s</sub> + 300 [mm]	
	With the METRO drive			L <sub>s</sub> + 410 [mm]	
	With the SPARK drive			L <sub>s</sub> + 363 [mm]	
L <sub>s</sub>	With the MOTO drive	2900 [mm] for H <sub>o</sub> ≤ 2250; 3500 [mm] for H <sub>o</sub> > 2250 and H <sub>o</sub> ≤ 2850; 4500 [mm] for H <sub>o</sub> > 2850 [mm]			
	With the METRO drive	3288 [mm] for H <sub>o</sub> ≤ 2250; 3831 [mm] for H <sub>o</sub> > 2250 and H <sub>o</sub> ≤ 2750; 4384 [mm] for H <sub>o</sub> > 2751 [mm]			
	With the SPARK drive				



**S<sub>o</sub> – opening width, ordering dimension.** S<sub>j</sub> – clear passage width after garage door installation. **H<sub>o</sub> – opening height, ordering dimension.** H<sub>j</sub> – clear passage width after garage door installation. N – minimum required lintel height. W<sub>1</sub> – minimum required side clearance. W<sub>2</sub> – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. L<sub>s</sub> – drive rail length.



### Sj tracks

Torsion springs installed in the front by the lintel, garage door with double horizontal tracks (active and passive reinforcing track).

Minimum garage door dimensions:

- $S_o = 1500$  [mm] and  $H_o = 1800$  [mm] – garage doors type  **N**
- $S_o = 1500$  [mm] and  $H_o = 1900$  [mm] – garage doors type  **G**,  **W**,  **V**
- $S_o = 2230$  [mm] and  $H_o = 1990$  [mm] – garage doors type  **K**
- $S_o = 2000$  [mm] when  $H_o > 3000$  [mm]

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to															
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500
2000																
2100																
2125																
2200																
2250																
2375																
2500																
2625																
2750																
2875																
3000																
3250																
3500																

<sup>(1)</sup> – Ordering dimension.

### Installation dimensions

Sj		SSjN		SSjN, SSjG, SSjW, SSjK		SSjG, SSjW	
Colour/Structure		RAL 8014, RAL 9006, RAL 9016, other RAL (Woodgrain)		Golden Oak, Walnut RAL 7016, RAL 8014, RAL 9016, RAL 9006 panel type <input type="checkbox"/> <b>G</b> , <input type="checkbox"/> <b>W</b> , <input type="checkbox"/> <b>K</b> (Woodgrain) film coating (Smoothgrain)		Golden Oak, Walnut (Smoothgrain), Anthracite (Sandgrain), RAL 7016, RAL 9016, RAL 9005, other RAL (Silkline), Home Inclusive 2.0	
Dimension		standard	special	standard	special	standard	special
Nmin		=400 [mm] for $H_o = 2000$ [mm] $H_o = 2100$ [mm] $H_o = 2250$ [mm] $H_o = 2500$ [mm] <b>=420 [mm] for</b> $H_o = 2125$ [mm] $H_o = 2200$ [mm]	=400 [mm]	=400 [mm] for $H_o = 2100$ [mm] $H_o = 2250$ [mm] <b>=420 [mm] for</b> $H_o = 2125$ [mm] $H_o = 2200$ [mm]	=400 [mm]	=400 [mm] for $H_o = 2000$ [mm] $H_o = 2100$ [mm] $H_o = 2125$ [mm] $H_o = 2250$ [mm] $H_o = 2375$ [mm] $H_o = 2500$ [mm] <b>=420 [mm] for</b> $H_o = 2200$ [mm]	=400 [mm]
Sj		Sj - clear passage width after garage door installation.					
Hj	Manual	$H_j = H_o - 20$ [mm]					
	Manual + catcher						
	With a drive unit						
W1, W2		110 [mm]					
Emin	Manual	$H_o + 400$ [mm]					
	With the MOTO drive	$L_s + 300$ [mm]					
	With the METRO drive	$L_s + 410$ [mm]					
	With the SPARK drive	$L_s + 363$ [mm]					
Ls	With the MOTO drive	2900 [mm] for $H_o \leq 2250$ ; 3500 [mm] for $H_o > 2250$ and $H_o \leq 2850$ ; 4500 [mm] for $H_o > 2850$					
	With the METRO drive						
	With the SPARK drive	3288 [mm] for $H_o \leq 2250$ ; 3831 [mm] for $H_o > 2250$ and $H_o \leq 2750$ ; 4384 [mm] for $H_o > 2751$ and $H_o \leq 3250$ ; 4927 [mm] for $H_o > 3251$ [mm]					

**Sj – opening width, ordering dimension.** Sj – clear passage width after garage door installation. **Hj – opening height, ordering dimension.** Hj – clear passage width after garage door installation. N – minimum required lintel height. W1 – minimum required side clearance. W2 – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. Ls – drive rail length.



### N tracks

Pull springs, garage door with double horizontal tracks.

Minimum garage door dimensions:

- $S_o = 1500$  [mm] and  $H_o = 1800$  [mm] – garage doors type  **N**
- $S_o = 1500$  [mm] and  $H_o = 1900$  [mm] – garage doors type  **G**,  **W**,  **V**
- $S_o = 2230$  [mm] and  $H_o = 1990$  [mm] – garage doors type  **K**

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to													
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750
2000														
2100														
2125														
2200														
2250														
2375														
2500														
2625														
2750														
2875														
3000														

<sup>(1)</sup> – Ordering dimension.

### Installation dimensions

<b>N</b>		<b>SNN</b>		<b>SNN, SNG, SNW, SNK</b>		<b>SNG, SNW</b>	
Colour/Structure		RAL 8014, RAL 9006, RAL 9016, other RAL (Woodgrain)		Golden Oak, Walnut RAL 7016, RAL 8014, RAL 9016 panel type <b>G</b> , <b>W</b> , <b>K</b> (Woodgrain)		Golden Oak, Walnut (Smoothgrain), Anthracite (Sandgrain) RAL 7016, RAL 9016, other RAL (Silkline), Home Inclusive 2.0, film coating (Smoothgrain)	
Dimension		standard	special	standard	special	standard	special
$N_{min}$		<b>=220 [mm] for</b> $H_o = 2000$ [mm] $H_o = 2100$ [mm] $H_o = 2250$ [mm] $H_o = 2500$ [mm] <b>=240 [mm] for</b> $H_o = 2125$ [mm] $H_o = 2200$ [mm]	<b>=220 [mm]</b>	<b>=200 [mm] for</b> $H_o = 2100$ [mm] $H_o = 2250$ [mm] <b>=240 [mm] for</b> $H_o = 2125$ [mm] $H_o = 2200$ [mm]	<b>=220 [mm]</b>	<b>=220 [mm] for</b> $H_o = 2000$ [mm] $H_o = 2100$ [mm] $H_o = 2125$ [mm] $H_o = 2250$ [mm] $H_o = 2375$ [mm] $H_o = 2500$ [mm] <b>=240 [mm] for</b> $H_o = 2200$ [mm]	<b>=220 [mm]</b>
$S_j$		$S_o - 40$ [mm]		$H_o - 130$ [mm]		$H_o - 80$ [mm]	
$H_j$	Manual	$H_o - 80$ [mm]		$110$ [mm]		$H_o + 800$ [mm]	
	Manual + catcher					$L_s + 300$ [mm]	
	With a drive unit					$L_s + 410$ [mm]	
	$W_1, W_2$					$L_s + 363$ [mm]	
$E_{min}$	Manual						
	With the MOTO drive						
	With the METRO drive						
	With the SPARK drive						
$L_s$	With the MOTO drive	$2900$ [mm] for $H_o \leq 2250$ ; $3500$ [mm] for $H_o > 2250$ and $H_o \leq 2850$ ; $4500$ [mm] for $H_o > 2850$ [mm]					
	With the METRO drive						
	With the SPARK drive	$3288$ [mm] for $H_o \leq 2250$ ; $3831$ [mm] for $H_o > 2250$ and $H_o \leq 2750$ ; $4384$ [mm] for $H_o > 2751$ [mm]					

**So – opening width, ordering dimension.**  $S_j$  – clear passage width after garage door installation. **Ho – opening height, ordering dimension.**  $H_j$  – clear passage width after garage door installation. **N** – minimum required lintel height.  $W_1$  – minimum required side clearance.  $W_2$  – minimum required side clearance.  $E$  – minimum garage depth with clearance under the ceiling.  $L_s$  – drive rail length.



### StA tracks

Tracks at an angle, torsion springs installed at the end of the diagonal tracks.

Minimum garage door dimensions:

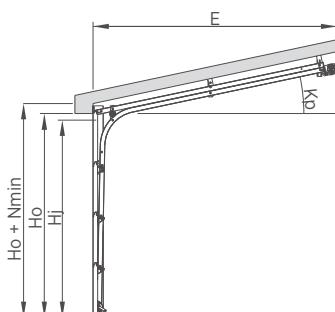
- $S_o = 1500$  [mm] and  $H_o = 1800$  [mm] – garage doors type  **N**
- $S_o = 1500$  [mm] and  $H_o = 1900$  [mm] – garage doors type  **G**,  **W**,  **V**
- $S_o = 2230$  [mm] and  $H_o = 1990$  [mm] – garage doors type  **K**

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to														
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
2000															
2100															
2125															
2200															
2250															
2375															
2500															
2625															

<sup>(1)</sup> – Ordering dimension.

### Installation dimensions



StA	N <sub>min</sub>				H <sub>j</sub>			S <sub>j</sub>	W <sub>1, W<sub>2</sub></sub>
	K <sub>p</sub>	manual	with the MOTO, METRO drive	with the SPARK drive	manual	manual + catcher	automatic		
degrees [°]	2	140	170	190	Ho - 100	Ho - 80	Ho - 70	S <sub>j</sub>	W <sub>1, W<sub>2</sub></sub>
	3	135	165	185	Ho - 110	Ho - 90	Ho - 70		
	4	130	160	180	Ho - 120	Ho - 90	Ho - 70		
	5	120	150	170	Ho - 130	Ho - 90	Ho - 70		
	6	110	140	160	Ho - 140	Ho - 90	Ho - 70		
	7	110	140	155	Ho - 140	Ho - 90	Ho - 70		
	8	100	130	145	Ho - 140	-	Ho - 70		
	9	100	120	135	Ho - 140	-	Ho - 70		
	10	100	110	125	Ho - 140	-	Ho - 70		
	11	100	100	115	Ho - 140	-	Ho - 60		
	12	100	100	110	Ho - 140	-	Ho - 60		
	13	100	100	110	Ho - 140	-	Ho - 60		
	14 to 20	100	100	100	Ho - 140	-	Ho - 60		

### Minimum garage depth

E <sub>min</sub>	
Automatic: $Emin = \cos(K_p) \times Emin'$	
Manual: $Emin = \cos(K_p) \times (H_o + 800)$	
$H_o$ – opening height	
Emin' – value from the table, depending on the automatic operating unit and $H_o$	
K <sub>p</sub> – inclination angle of the ceiling in relation to the floor	

Drive unit	E <sub>min'</sub>	Height $H_o$
MOTO	3,200	0 - 2,250
	3,800	2,251 - 2,625
METRO	3,310	0 - 2,250
	3,910	2,251 - 2,625
SPARK	3,650	0 - 2,250
	4,190	2,251 - 2,625

**So – opening width, ordering dimension.** S<sub>j</sub> – clear passage width after garage door installation. **Ho – opening height, ordering dimension.** H<sub>j</sub> – clear passage width after garage door installation. N – minimum required lintel height. W<sub>1</sub> – minimum required side clearance. W<sub>2</sub> – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. L<sub>s</sub> – drive rail length.



### SpA tracks

Tracks at an angle, torsion springs installed in the front by the lintel.

Minimum garage door dimensions:

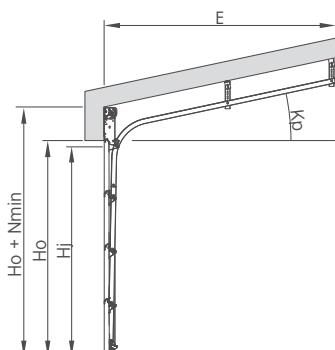
- $S_o = 1500$  [mm] and  $H_o = 1800$  [mm] – garage doors type  **N**
- $S_o = 1500$  [mm] and  $H_o = 1900$  [mm] – garage doors type  **G**,  **W**,  **V**
- $S_o = 2230$  [mm] and  $H_o = 1990$  [mm] – garage doors type  **K**

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to														
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
2000															
2100															
2125															
2200															
2250															
2375															
2500															
2625															

<sup>(1)</sup> – Ordering dimension.

### Installation dimensions



SpA	N <sub>min</sub>			H <sub>j</sub>		S <sub>j</sub>	W <sub>1, W<sub>2</sub></sub>	
	K <sub>p</sub>	manual	with the MOTO, METRO drive	with the SPARK drive	manual	automatic		
degrees [°]	degrees [°]	[mm]	[mm]	[mm]	[mm]	[mm]	S <sub>o</sub> - 40	110
	2 to 3	360	390	390	H <sub>o</sub> - 50	H <sub>o</sub> - 20		
	4	350	380	380	H <sub>o</sub> - 50	H <sub>o</sub> - 20		
	5 to 6	350	370	370	H <sub>o</sub> - 50	H <sub>o</sub> - 20		
	7	350	360	360	H <sub>o</sub> - 50	H <sub>o</sub> - 20		
	8 to 20	350	350	350	H <sub>o</sub> - 50	H <sub>o</sub> - 20		

### Minimum garage depth

E <sub>min</sub>	
Automatic: $E_{min} = \cos(K_p) \times E_{min'}$	
Manual: $E_{min} = \cos(K_p) \times (H_o + 450)$	
H <sub>o</sub> – opening height	
E <sub>min'</sub> – value from the table, depending on the automatic operating unit and H <sub>o</sub>	
K <sub>p</sub> – inclination angle of the ceiling in relation to the floor	

Drive unit	E <sub>min'</sub>	Height H <sub>o</sub>
MOTO	3,200	0 - 2,250
	3,800	2,251 - 2,625
METRO	3,310	0 - 2,250
	3,910	2,251 - 2,625
SPARK	3,650	0 - 2,250
	4,190	2,251 - 2,625

**S<sub>o</sub> – opening width, ordering dimension.** S<sub>j</sub> – clear passage width after garage door installation. **H<sub>o</sub> – opening height, ordering dimension.** H<sub>j</sub> – clear passage width after garage door installation. N – minimum required lintel height. W<sub>1</sub> – minimum required side clearance. W<sub>2</sub> – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. L<sub>s</sub> – drive rail length.



### HL tracks

High tracks, torsion springs installed by the lintel.

Minimum garage door dimensions:

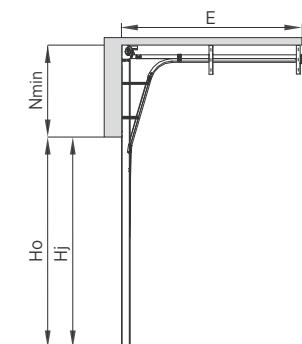
- $S_o = 1500$  [mm] and  $H_o = 1955$  [mm] – garage doors type G, W, V, N
- $S_o = 2230$  [mm] and  $H_o = 2040$  [mm] – garage doors type K

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to														
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
2000															
2100															
2125															
2200															
2250															
2375															
2500															
2625															
2750															
2875															
3000															

<sup>(1)</sup> – Ordering dimension.

### Installation dimensions



HL		SHLN, SHLG, SHLW, SHLK	
Colour/Structure		all available colour and structure combinations	
Dimension		standard	special
Nmin	Manual		$400 < N \leq 1300$
	With a drive unit		
Hj	Sj		$S_o - 40$ [mm]
	Manual		$H_o - 20$ [mm]
Emin	With a drive unit		$110$ [mm]
	W1, W2		
	Manual		$H_o - 0,8 \times N + 645$ [mm]
With the MOTO drive			$3200$ [mm] for $H_o \leq 2080$ ; $3800$ [mm] for $2080 < H_o \leq 2680$ ; $4800$ [mm] for $H_o > 2680$
			$3310$ [mm] for $H_o \leq 2080$ ; $3910$ [mm] for $2080 < H_o \leq 2680$ ; $4910$ [mm] for $H_o > 2680$
With the METRO drive			

**So – opening width, ordering dimension.** Sj – clear passage width after garage door installation. **Ho – opening height, ordering dimension.** Hj – clear passage width after garage door installation. N – minimum required lintel height. W1 – minimum required side clearance. W2 – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. Ls – drive rail length.



### UniPro Nano80 garage door

Nano80 – low tracks, torsion springs installed at the end of horizontal tracks.

The design of the UniPro Nano80 garage door was adapted to the installation conditions in which a small lintel makes it impossible to fit an automatic garage door. Thanks to the special profile of the tracks, the UniPro Nano80 automatic door can even be installed to lintels just 80 mm high.

Minimum garage door dimensions:

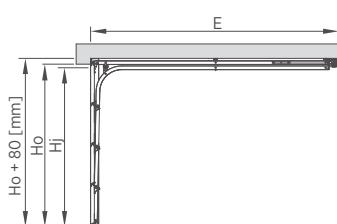
- $S_o = 1500$  [mm] and  $H_o = 1955$  [mm] – garage doors type  **G**,  **W**,  **V**,  **N**
- $S_o = 2230$  [mm] and  $H_o = 2040$  [mm] – garage doors type  **K**

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to															
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500
2000																
2100																
2125																
2200																
2250																
2375																
2500																
2625																
2750																
2875																
3000																

<sup>(1)</sup> – Ordering dimension.

### Installation dimensions



Nano80		SStN, SStG, SStW, SStK	
Colour/Structure		all available colour and structure combinations	
Dimension		standard	special
$N_{min}$	With a drive unit	80 [mm]	
$S_j$		$S_o - 40$ [mm]	
$H_j$	With the MOTO drive	$H_o - 80$ [mm]	
	With the METRO drive	$H_o - 80$ [mm]	
$W_1, W_2$		110 [mm]	
$E_{min}$	With the MOTO drive	$L_s + 600$ [mm]	
	With the METRO drive	$L_s + 600$ [mm]	
$L_s$		2900 [mm] for $H_o \leq 2250$ ; 3500 [mm] for $H_o > 2250$ and $H_o \leq 2850$ ; 4500 [mm] for $H_o > 2850$	

**So – opening width, ordering dimension.**  $S_j$  – clear passage width after garage door installation. **Ho – opening height, ordering dimension.**  $H_j$  – clear passage width after garage door installation.  $N$  – minimum required lintel height.  $W_1$  – minimum required side clearance.  $W_2$  – minimum required side clearance.  $E$  – minimum garage depth with clearance under the ceiling.  $L_s$  – drive rail length.



### SNP tracks

Pull springs mounted along the vertical tracks.

Minimum garage door dimensions:

- $S_o = 1500$  [mm] and  $H_o = 1800$  [mm] – garage doors type  **N**
- $S_o = 1500$  [mm] and  $H_o = 1900$  [mm] – garage doors type  **G**,  **W**,  **V**
- $S_o = 2230$  [mm] and  $H_o = 1990$  [mm] – garage doors type  **K**
- $S_o \leq 1750$  [mm] and  $H_{o \max} = 2500$  [mm],  $1750$  [mm]  $< S_o < 2000$  [mm]  $H_{o \max} = 2750$  [mm].

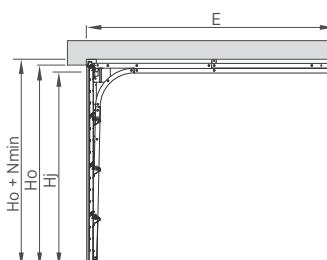
### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_o$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_o$ ) in [mm] up to														
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
2000															
2100															
2125															
2200															
2250															
2375															
2500															
2625															
2750															
2875															
3000															

<sup>(1)</sup> – Ordering dimension.

– not applicable for doors with Sandgrain and RAL 9005 Silkline..

### Installation dimensions



<b>SN</b>		SNPN, SNPG, SNPW, SNPK		SNPV
Colour/Structure		all available colour and structure combinations		RAL 9006, RAL 7016, other RAL (silkline)
Dimension		standard	special	special
Nmin	Manual		90 [mm]	
	With the MOTO drive		100 [mm]	
	With the METRO drive		120 [mm]	
	With the SPARK drive		$S_o - 40$ [mm]	
Hj	Manual + catcher (standard)		$H_o - 60$ [mm]	
	With a drive unit		$H_o - 60$ [mm]	
W1, W2			100 [mm]	
Emin	Manual		$H_o + 600$ [mm]	
	With the MOTO drive		$L_s + 300$ [mm]	
	With the METRO drive		$L_s + 410$ [mm]	
	With the SPARK drive		$L_s + 363$ [mm]	
Ls	With the MOTO drive		2900 [mm] for $H_o \leq 2250$ ; 3500 [mm] for $H_o > 2250$ i $H_o \leq 2850$ ; 4500 [mm] for $H_o > 2850$	
	With the METRO drive		3288 [mm] for $H_o \leq 2250$ ; 3831 [mm] for $H_o > 2250$ and $H_o \leq 2750$ ; 4384 [mm] for $H_o > 2750$ [mm]	
	With the SPARK drive			

**So – opening width, ordering dimension.**  $S_j$  – clear passage width after garage door installation. **Ho – opening height, ordering dimension.**  $Hj$  – clear passage width after garage door installation.  $N$  – minimum required lintel height.  $W_1$  – minimum required side clearance.  $W_2$  – minimum required side clearance.  $E$  – minimum garage depth with clearance under the ceiling.  $L_s$  – drive rail length.

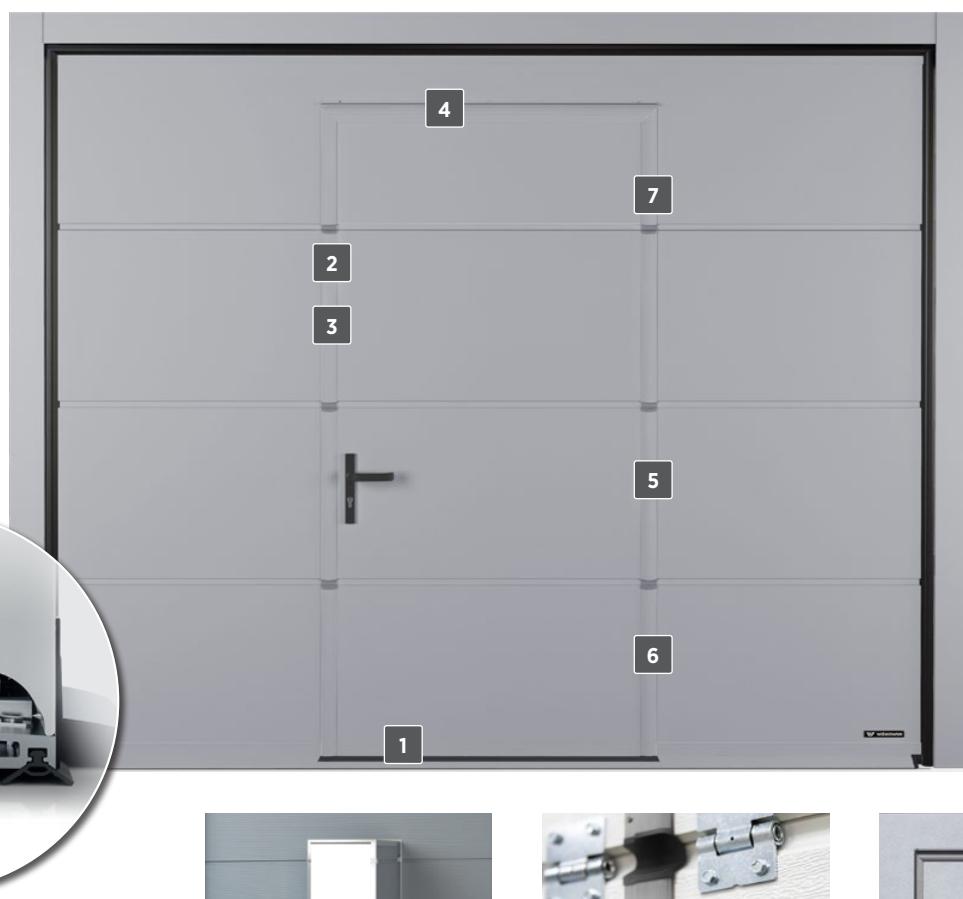


## OPTIONAL ACCESSORIES

### WICKET DOOR

The standard clear passage width is 900 [mm], the clear passage height can range from 1700 [mm] to 2027 [mm] depending on the height of the door and panels used.

- The minimum dimensions of a garage door in which a wicket door can be fitted are 2000 x 2000 [mm] (So x Ho).
- The wicket door is available for garage doors with a glazed or ventilated panel with  $So \geq 2400$  [mm].
- Drip strip in door hardware colour.
- Threshold ~100 [mm] high (including the door gasket ~40 [mm] high).
- The bottom door edge is fitted with a brush seal.
- Wicket door for doors with the SSt and SSt 2.0 tracks can be manufactured with a minimum lintel of 140 [mm]. In doors with the SNP and SNP 2.0 tracks, with a minimum lintel of 115 [mm] for doors with the MOTO io and METRO Smart io drive units, 135 [mm] for doors with the SPARK drive unit. Not applicable to RenoSystem SSt.
- As standard, the wicket door is installed in the centre of the door leaf. In doors with the following tracks: SSp, Sj, SSt, SSt 2.0, and RenoSystem SSt, the door can be installed close to the right or left edge (as seen from the inside), opening direction: right or left, outswing, outfitted with a handle with a cover plate on both sides and a lock with a cylinder lock (three keys).
- One-key system – the lock in the wicket door and the lock in the garage door are both opened with a single key (this does not apply to doors fitted with an anti-burglary lock cylinder).
- The door hardware, as well as the top and bottom hardware of the garage door is made of aluminium.
- The wicket door option in automatic doors includes a wireless wicket door opening sensor for doors with the MOTO io and METRO Smart io drive units, and a wired wicket door opening sensor for doors with the STARK drive unit.



**Low threshold** 19 mm high minimizes the number of obstacles in the passageway (optional accessory).



**Wicket door** fitted with a threshold 100 [mm] high (including a 40 [mm] gasket) as standard.



**The wicket door opening sensor** prevents activation of the garage door when the wicket door is open. The wicket door option in automatic doors includes a wicket door opening sensor.



**Hardware** made of aluminium, in a colour matching the garage door leaf colour.



**4**  
**Drip cap** (standard accessory).



**6**  
**Concealed hinges**  
that can be adjusted.



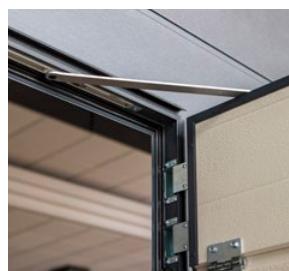
**Rail door closer**  
(standard accessory).



**5**  
**System preventing the leaf from dropping.**



**7**  
**Distance brackets**  
with a safe shape, ensuring better tightness.



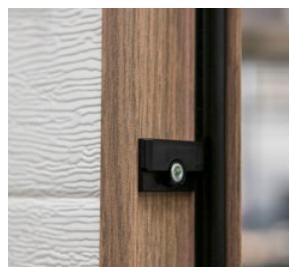
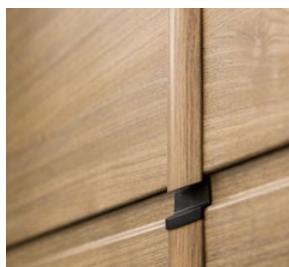
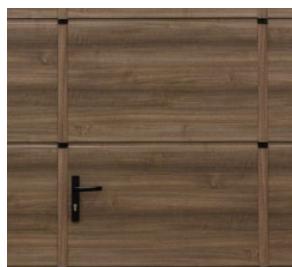
**Concealed door closer**  
(optional accessory).

The rail door closer is supplied as standard with a wicket door installed in manually operated and power operated doors. It is fixed to the top hardware of the wicket door on the inside of the door. It is fitted with a restrictor. The hold open device cannot be installed in a wicket door.

Concealed door closer available in a full scope of dimensional ranges of the doors compatible with a wicket door.

The wicket door can optionally be fitted with a concealed door closer instead of a rail door closer. A wicket door restrictor cannot be installed. A hold open device can be fitted.

## HARDWARE IN A DECOR COLOUR



### Decor colour of the wicket door hardware

a method of decorating aluminium parts by transferring photosensitive organic pigments from a special film onto a layer of polyester powder coat. As a result, a durable and decorative coating which imitates the natural grain of wood is obtained.

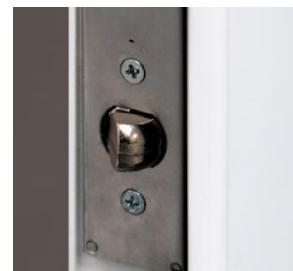


### Decor colour of the wicket door hardware - available colours

## TRI-LOCK LOCK FOR WICKET DOORS

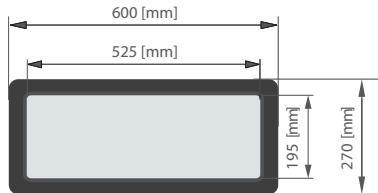
Key features of the lock:

- **Multi-point locking** – a wicket door equipped with the new lock will have three locking points strategically placed around the perimeter of the door to ensure even distribution of the locking force and a tight and secure closure.
- **Locking points (deadbolts)** – designed to best lock the door leaf at the striker points.
- **Strikers** – mounted on the hardware, they ensure solid latching of the lock elements at the designated points.
- **Three points of the lock** controlled with a handle, the pressing of which unlocks the locking points.
- **Additional locking point in the main lock** controlled with a key, constituting an additional safeguard against unauthorized opening.

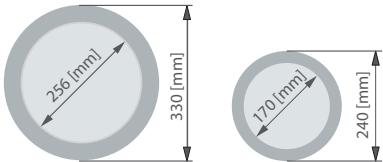




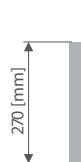
## PORHOLES/GLAZING



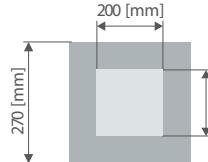
Type A-1



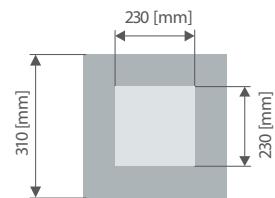
Type O-1A



Type O-2A



Type R-1A

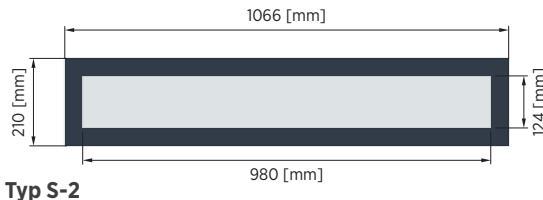


Type R-2A

**Type A-1** – 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%.

**Type O-1A, O-2A** – infill: triple clear acrylic glass unit; frame: external and internal, made of stainless steel with a satin finish.

**Type R-1A, R-2A** – infill: triple clear acrylic glass unit; frame: made of stainless steel with a satin finish.



Type S-2

**Type S-2** – unit made of double clear acrylic glass, aluminium frame with external dimensions of 1,066x210 [mm].

The external frame is available in RAL 7016, HI Modern Graphite, RAL 9005, Modern Black, RAL 9016, RAL 8003, RAL 8011, RAL 8014. Internal frame always in RAL 9002.

## HORIZON GLAZING



Aluminium panel without or with a thermal break, for doors  $So \leq 3,000$  without glazing bars, for doors  $So > 3,000$  with a single glazing bar. The Horizon panel height is 215-250 [mm] depending on the total height of the door. The panel is painted on both sides in the colour of the external part of the door. An aluminium panel without a thermal break can be fitted with LED strip lighting.

## VISUAL GLAZING



Aluminium panel without a thermal break with a clear acrylic glass without glazing bars. The door is available with one or two VISUAL panel glazings. Available with garage door widths up to  $So < 3,000$  [mm]. Not available with a wicket door.

## GLAZING WITH ALUMINIUM PANEL



The UniPro garage door is available with an aluminium panel glazing without or with a thermal break (for doors with  $So < 5,250$ ). The panel is fitted with a double acrylic glass – a 21 [mm] glass unit. The garage door can be fitted with one or two aluminium panels.



## GLASS

Intended use: for double glazing of glazed aluminium panels and VISUAL glazing.



### No-Scratch

Glass pane with a special coating improving its strength, very good resistance to scratching and sunlight compared to the standard glazing.

### Satin

Glass with a milky white tint. Double glazed pane opaque from the outside and clear from the inside. Light transmission 78%.

### Glass pane SAN R

Opaque (so-called frosted) double glazed pane clear from the inside. Light transmission (77-79%).

### Grey

Clear glass with a slight brown tint. Double glazed pane, clear from the inside, non-coloured from the inside. Light transmission (51%).

## LOCK/HANDLE

The lock is fitted with a single-side lock cylinder, the lock cylinder is accessible from the outside (three keys), from the inside the lock is operated with a latch. In the manually operated SNP door with  $So \geq 4,000$  [mm], the lock engages the deadbolt on both sides (single-side locking is available as an optional accessory). On the outside of the door leaf, a plastic handle with a cover plate type PVC-1 or KL-2 is fitted. A black plastic handle is installed on the inside. The UniPro SNP and SNP 2.0 doors are not available with the lock and handle fitted in the middle of the door. The PVC-1 handle is available in black. The KL-2 handle is available in the following colours:

- **MAT** – RAL 9005, RAL 9016, RAL 8014.
- **GLOSS** – RAL 9006, RAL 1036, RAL 1035, RAL 7048.



**KL-2 handle**, colour: RAL 9006



**KL-2 handle**, colour: RAL 1036



**KL-2 handle**, colour: RAL 1035



**KL-2 handle**, colour: RAL 7048



**KL-2 handle**, colour: RAL 9016



**KL-2 handle**, colour: RAL 9005



**KL-2 handle**, colour: RAL 8014



**Standard handle**



## EXAMPLE UniPro DESIGNS

### GLAZING



Garage door with portholes – type A-1



Garage door with portholes – type C-1



Garage door with portholes – type E-1



Garage door with portholes – type O

Garage door with portholes – type O-1A,  
stainless steel frameGarage door with portholes – type O-2A,  
stainless steel frameGarage door with portholes – type R-1A,  
stainless steel frameGarage door with portholes – type R-2A,  
stainless steel frameGarage door with portholes – type S-2,  
aluminium frame, painted

Garage door with portholes – type W3-1



Garage door with portholes – type W4-1



Garage door with portholes – type W5-1



Garage door with portholes – type W6-1



## DECORATIVE MOTIFS



Type Ap-1



Type Ap-2



Type Ap-3



Type Ap-4



Type Ap-5



Type Ap-6



Type Ap-7 in garage doors with panels without ribs



Type Ap-7 in garage doors with panels with high ribs



The Ap-1 – Ap-6 decorative motifs are available in stainless steel colour and RAL 9005. Ap7 decorative motifs are available in stainless steel and copper-clad stainless steel colours.

## OTHER MANUFACTURING OPTIONS



Garage door with an aluminium panel glazing

Garage door with the VISUAL glazing  
- available for garage door widths up to  
So = 3000 [mm]

Garage door with a wicket door



Garage door with a ventilated panel – expanded mesh



Garage door with the HORIZON glazing



Garage door with a cat door



## RC2 ANTI-BURGLARY KIT

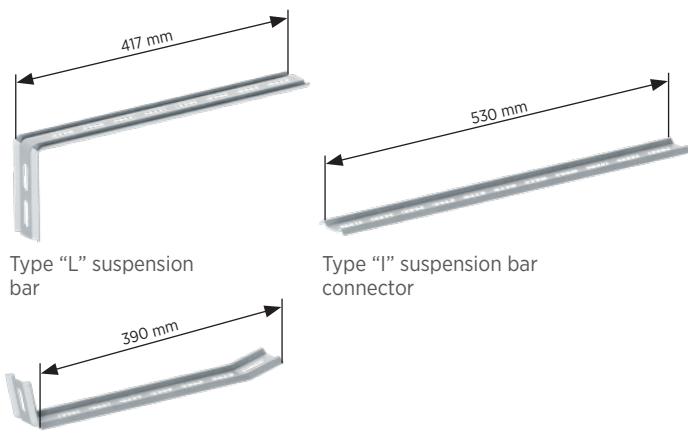


The anti-burglary kit, available with automatic garage doors with the METRO Smart io and MOTO io drive units, provides RC2 class burglary protection (confirmed with a certificate issued by the IFT notified body in Rosenheim, Germany).

The kit includes:

- automatic locking mechanism,
- reinforced deadbolt system,
- deadbolt plates,
- safeguard preventing the carriage from being unlocked,
- track bumper.

## AUXILIARY SUSPENSION BARS



Type "C" suspension bar bracket

## LED LIGHTING UNDER THE TRACKS AND TRACK CONNECTOR



It is often the case that the lighting installed in the garage does not provide enough light. Sometimes, older garages do not have any lighting at all. LED lighting mounted under the tracks and track connector makes it possible to illuminate the room, guaranteeing low energy consumption. Easy installation, long-life LEDs, and compatibility with the METRO Smart io drive unit ensure comfort in daily use.

## PAINTED HINGES



An option is available to paint the central and side hinges of the garage door in RAL 9002

Tracks	Maximum lintel for the suspension bar supplied with the garage door
SSp, SSt	400 [mm]
N80	340 [mm]
SNP, SNP 2.0	360 [mm]
SSt 2.0	390 [mm]
SN	428 [mm]
SSj	570 [mm]
HL	1485 [mm]
RenoSystem	255 [mm], 355 [mm] for SSt, installation behind the opening



## VENTILATED PANEL

Aluminium panel without a thermal break or with a thermal break (for doors with  $S_o < 5,250$ ), infilled with expanded mesh. The door can be fitted with only one ventilated panel.



## TOP PANEL TILT

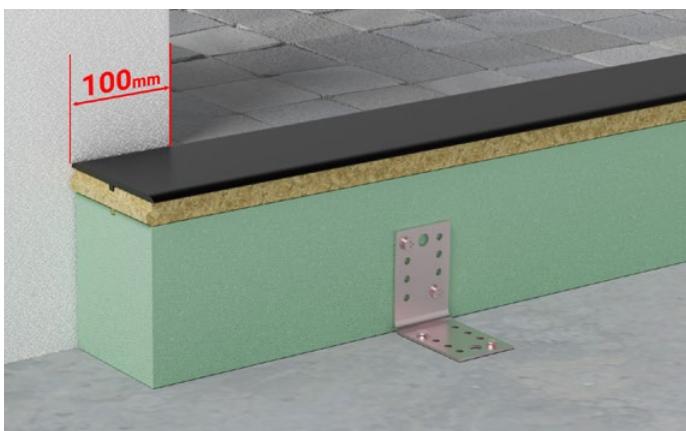


The kit makes it possible to tilt the top panel without the need to lift the door curtain. The bottom panel remains seated against the floor.

Top panel tilt for ventilation or airing of the garage is available with the following automatic garage doors fitted with the MET-RO Smart io, MOTO io or SPARK drive unit: **UniPro SSp**, **UniPro SSt**, **UniPro SSt 2.0**, **UniPro SN**.

This solution is not available with garage doors fitted with the top aluminium panel with  $S_o \geq 4,500$ .  
The kit includes: 2 brackets for garage doors with  $S < 4,500$  | 4 brackets for garage doors with  $S \geq 4,500$ .

## WARM THRESHOLD OF A SECTIONAL GARAGE DOOR



The threshold is made of condensed polyurethane foam, a recycled PET material with a density of  $115 \text{ kg/m}^3$ , and an EPDM gasket. Available in sets consisting of a specific number of thresholds measuring  $1,190 \times 220 \times 100$  [mm], a gasket, and installation accessories (steel angle bars, anchors, and fixing screws). To install the threshold, installation adhesive, gasket adhesive, and polyurethane foam must be used – they are not included in the sets.

Width ( $S_o$ )	Set contents
<b>up to 3,370 [mm]</b>	<b>3 thresholds + gasket 3,600x110x5 [mm] + installation accessories</b>
<b>3,371 – 4,560 [mm]</b>	<b>4 thresholds + gasket 4,800x110x5 [mm] + installation accessories</b>
<b>4,561 – 5,750 [mm]</b>	<b>5 thresholds + gasket 6,000x110x5 [mm] + installation accessories</b>
<b>5,751 – 6,000 [mm]</b>	<b>6 thresholds + gasket 7,200x110x5 [mm] + installation accessories</b>

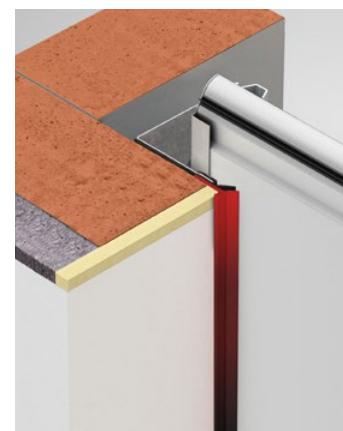
Installation behind the opening is recommended; the threshold should extend 100 [mm] behind the wall reveal.

In the case of using a warm threshold, the  $H_o$  dimension should be reduced by 5 [mm] (height of the gasket) when ordering the garage door.

## ADDITIONAL SEALS



Thermal seal



Finishing thermal seal

The UniPro doors are fitted with circumferential double-lip seals as standard. The UniPro door can be fitted with additional **thermal seals**, which enable the structural steel elements to be isolated from the wall surface, or **finishing thermal seals**, which make it possible to provide an aesthetic finish of the garage door opening by eliminating the gap between the thermal insulation and the door leaf surface, which further improves door insulation. The sealing is not available with the SNP 2.0, SSt 2.0 and RenoSystem door series.



## AUTOMATIC OPERATING UNIT KITS

The METRO Smart io, MOTO io, and SPARK series drive units are dedicated for garage doors and ensure full functionality and overload protection as standard.

The EXTENDED CARE warranty allows you to extend the standard warranty for a complete product – an automatic sectional door – up to 5 years, provided it is factory-configured with the METRO Smart io, MOTO io, or SPARK drive unit.



Drive unit type	METRO smart io	MOTO io	SPARK
Power supply / Motor	220-230V, 50/60Hz / 24V DC	220-230V, 50/60Hz / 24V DC	220-240V, 50/60Hz / 24V DC
Force	800N / 1000N	600N / 750N / 1000N	500N / 600N / 800N / 1100N
Power consumption (power-saving mode)	< 0,5 W	< 0,5 W	< 1 W
Efficiency	30%	30%	40%
Track	single, steel	single, steel	split, steel
Transmission	chain or belt*	chain or belt*	carriage
Speed	max. 14 cm/s	max. 14 cm/s	max.: 18 / 24 / 21 / 18 cm/s
Central control unit	integrated	integrated	integrated
Radio receiver	io-homecontrol; integrated: 868-870 MHz	io-homecontrol; integrated: 868-870 MHz	WIŚNIOWSKI; integrated: 868 MHz
Radio receiver storage:	30 transmitters	30 transmitters	40 transmitters
Two-way radio transmission	yes	yes	yes
Auto selection of operating parameters	yes	yes	yes
Limit switches	encoder + mechanical bumper	encoder + mechanical bumper	encoder + mechanical limit switch
Emergency uncoupling	yes	yes	yes
Application	sectional / up and over	sectional / up and over	sectional / up and over
Operating conditions	-20°C /+60°C ; IP20	-20°C /+60°C – in a dry room	-25°C /+65°C – in a dry room
Wicket door opening sensor	yes	yes	yes
Rotating automatic operating unit head	yes	yes	no
Warranty	5 years	5 years	5 years
Obstacle detection	yes	yes	yes
Obstacle detection adjustment	4 adjustment levels	4 adjustment levels	4 adjustment levels
Action following obstacle detection	stop and full opening	stop and full opening	stop and partial opening
Photocells	yes	yes	yes
Automatic closing	60 sec. / 120 sec. or after photoc.	yes, only with TaHoma Pro	yes / max. 240 sec.
Release in end position	yes	yes	yes
Low energy consumption mode	yes	yes	yes
Independent exterior lighting	yes / 230V, 500 W	no	no
Exterior lighting control	yes	no	no
Auxiliary warning light	yes / 24V, 15 W	yes / 24V, 15W	yes / 24V, 25W
Delayed drive unit light switch off	yes / fixed – 60 s	yes / fixed – 30 s	yes / fixed – 30 s
Independent lighting control in the drive unit	yes	yes	yes
Emergency power supply	yes	yes	yes
Display / LEDs	no / yes	no / yes	no / yes
Partial opening of the door – slightly open	yes	yes	yes
Information about a fault	yes, LEDs	yes, LEDs	yes, LED
Smart home	yes, io-homecontrol technology <sup>(1)</sup>	yes, io-homecontrol technology <sup>(1)</sup>	yes <sup>(2)(3)</sup>
Control via the app	TaHoma switch	TaHoma switch	WIŚNIOWSKI Connected

<sup>(1)</sup> – standard, wireless Smart Home, TaHoma switch required; <sup>(2)</sup> – standard, wireless Smart Home based on Wi-Fi, no additional central control unit required; <sup>(3)</sup> – option for wired Smart Home systems, CONNEX and OUTPUT boards or RELAY transmitter required for full functionality; \* – RELAY transmitter required; \* Extra charge.

**io-homecontrol** is a modern, safe, and reliable radio technology by Somfy, which lets you control your devices compatible with the smart home concept. Thanks to this technology, the drive unit not only receives commands from the controllers, but it can also send feedback. The io-homecontrol technology makes it possible to connect the METRO Smart io and MOTO io drive units to the TaHoma system to provide additional functions, connecting the garage door with smart devices available at home.

**WIŚNIOWSKI 868 MHz** is a modern SOMloq2 two-way radio system for controlling garage doors and entrance gates. Thanks to this technology, the drive unit not only receives commands from the transmitters, but it can also send feedback. The SPARK automatic operating units were also equipped with a wi-fi module, which makes it possible to control the gate from an application installed on a mobile device, giving the drive unit additional functionality.



## OPTIONAL ACCESSORIES

WALL-MOUNTED TRANSMITTER



The 3-channel transmitter makes it possible to control drive units and wireless receivers. Examples of use:

- - full opening/closing the door,
- - LED lighting under the tracks, and/or under the track fastener,
- - top panel tilt.

Wireless communication makes it possible to install it in any place and doesn't require any cables.

KEYPAD 2 CODE KEYPAD



The 2-channel code keypad makes it possible to control drive units and wireless receivers.

EXTERNAL RADIO RECEIVER io



Makes it possible to control the drive units of other manufacturers using the Pulsar transmitter. It is a two-channel device which makes it possible to program as many as 32 transmitters.

BACKUP POWER SUPPLY BATTERY



When connected to the METRO Smart io and MOTO io drive, it provides power for several cycles of emergency operation.

MECHANICAL CARRIAGE LOCK



It is an additional safeguard which increases garage door safety when mounted to the carriage.

SIGNAL LIGHT



Supports the METRO Smart io and MOTO io drive units. Warning function. Orange blinking light indicates that the door is operating.

EXTERNAL CODE KEYPAD



The single-channel device can be used to control the garage door with a code. For outdoor installation, requires cabling.

PHOTOCELLS



They prevent uncontrolled door leaf movement when an obstacle is present within the clear passage.



## OPTIONAL ACCESSORIES FOR THE SPARK AUTOMATIC OPERATING UNITS

2CH WALL-MOUNTED TRANSMITTER



2-channel device which lets you control both your drive units and radio receivers. Communication between the transmitter and the receiver occurs wirelessly, so the device can be mounted in any place. The wall-mounted transmitter has a feedback function that informs the user about the position of the door using a LED.

WIŚNIOWSKI 868 RADIO RECEIVER



It makes it possible to control other drive units with the DART and DART Vibe transmitters, and the wall-mounted transmitter. The radio receiver is a two-channel device operating at the frequency of 868 MHz, making it possible to program up to 40 transmitters.

DART/ DART VIBE REMOTE CONTROL TRANSMITTER



The transmitter makes it possible to control the operation of several drive units. The DART Vibe transmitter has a feedback function in the form of vibration, which is a confirmation that the signal from the transmitter was received.

ENTRAcode+ CODE KEYPAD



Compatible with the WIŚNIOWSKI 868 MHz radio receiver. Control of up to five devices. Power supply: 4 X AA 1.5[V] batteries. IP 54 protection rating. Up to 30 m range. ENTRAcode+ is a wireless device that does not require any wiring and is designed for surface mounting.

PHOTOCELLS 180



Prevent uncontrolled door leaf movement when an obstacle is present within the clear passage.

SIGNAL LIGHT



Connected to the SPARK drive unit, it has a warning function. Orange blinking light indicates that the door is operating.

CONEX - INPUT BOARD



Additional board with signal, impulse inputs, whose inputs were defined for opening and closing. Compatible with wired Smart Home systems.

OUTPUT - SIGNAL BOARD



Additional board with a signal input. Information about the position of the door: door not open (NO)/door not closed (NC). Compatible with wired Smart Home systems.

LOCK - MOTOR LOCK



A magnetic lock which blocks the drive unit in any position of the door. An additional element able to withstand loads up to 300 kg, increasing door safety.

ACCU - EMERGENCY POWER SUPPLY BATTERY



Connected to the SPARK drive unit, it provides power for several cycles of emergency operation in case of the main power supply outage.

RELAY - ADDITIONAL TRANSMITTER



An additional transmitter with the NO/NC output enabling e.g. switching on lights in the garage and external lights or other electrical devices.



## UniPro SECTIONAL DOOR



UniPro | RAL 9004 | silkline



UniPro | RAL 3000 | silkline



## TECHNICAL DATA

	UniPro
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	25,000 for doors with torsion springs / 20,000 for doors with pull springs
Thermal transmittance factor U of the panel [W/m <sup>2</sup> ·K]	0.48
Watertightness class	2 in accordance with PN-EN 13241 section 4.4.2
Wind load resistance class	3 in accordance with PN-EN 13241 section 4.4.3
Air permeability class	4 in accordance with PN-EN 13241 section 4.4.6
Sound reduction index Rw [dB] without a wicket door / with a wicket door	23 / 24 in accordance with PN-EN ISO 717-1: 2020
Safeguards	The special shape of the panel protecting fingers from getting crushed, safeguards against breaking of load-bearing cables, safeguard against breaking of torsion springs (on each spring), wicket sensor used in doors with an electric drive and a wicket. Option: photocells.
Optional accessories	Various types of tracks, electric drive, ventilated panel, glazing with an aluminium panel, VISUAL glazing without glazing bars, portholes, glass panes: No-Scratch, GREY, SATIN, SAN R, ventilation grilles, wicket doors (low threshold in wicket doors), auxiliary lock, photocells, transmitter.
Maximum width / height of the door [mm]	6000 / 3500
Available panel rib designs	low ribs, high ribs, V ribs, without ribs, caisson ribs
Available panel structures	woodgrain, smoothgrain, sandgrain, silkline
Available colours:	other RAL, special colours, including wood imitating colours, (film coated panels)
Track type	N, Sp, St, Sj, SpA, StA, HL, SNP

## CONTROL THE GARAGE DOOR WITH YOUR SMARTPHONE!

## TaHoma – Your smart home

The io-homecontrol® system with radio transmission makes it possible to wirelessly connect the METRO Smart io and MOTO io drive units to the smart home controlled by Somfy's TaHoma Switch central control unit. Building a comprehensive smart home provides a number of benefits and additional features that enhance your comfort every single day. The app gives you constant access to the most important functions of the elements of your home.



## The WIŚNIOWSKI Connected app – new quality as standard

When you choose WIŚNIOWSKI Connected, you don't need a smart home central control unit. WIŚNIOWSKI garage doors with the SPARK drive unit are ready to connect as standard – you can connect them to the smart home without any additional devices or extra charges. WIŚNIOWSKI Connected uses Wi-Fi instead of radio transmission and the app allows you to control the garage door from almost any place in the world.



Let us inspire you!  
See other solutions from WIŚNIOWSKI!



**WIŚNIOWSKI**

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