

# GARAGE DOORS



**WIŚNIOWSKI**

GATES | WINDOWS | DOORS | FENCES

## SECTIONAL DOORS PRIME

**Intended use:** An exclusive generation of sectional doors is available as standard with the Metro Smart io drive unit version 800 or 1000 or the SPARK drive unit version 600, 800, or 1100, selected depending on the door dimensions. The structure is made of galvanized and powder coated elements. The door leaf is made of new generation INNOVO panels, 60 mm thick. The door includes circumferential gaskets, as well as a double bottom gasket. The door is fitted with a safe torsion spring system and a number of safety devices for mechanical elements.

### THERMAL INSULATION

The PRIME garage door is all about thermal insulation, which makes it a recommended choice for energy efficient and even passive buildings. In order to achieve outstanding thermal insulation properties, a low thermal thermal transmittance factor is required. The PRIME door takes full advantage of the INNOVO panel properties to eliminate heat loss in all the critical areas.

### EXCEPTIONAL SAFETY

Safety systems focus on minimizing all traces of risk. Diverse and modern protection systems for the structure and mechanical elements ensure the highest level of safety. Our products are fully compliant with the PN-EN 13241 standard.

### DESIGN

The PRIME garage door reflects both functionality and exceptional beauty. Including all the crucial features, the design can be defined as distinctive minimalism – simple lines and the synthesis of form, which mirror the aesthetic approach characteristic of the modern architectural approach.



## THE PRIME DOOR STRUCTURE

The sectional door is installed behind the opening. It opens vertically upwards and does not take up any space in the driveway. The load-bearing structure and the tracks are made of galvanized steel elements powder coated in RAL 9002 or RAL 9005 in the Black Edition. Side jambs of the frame are fitted with gaskets, against which the door leaf abuts in the closed position. The door is fitted with double guiding sliding rollers with bearings, which ensure proper guiding of the door leaf, while a dedicated profile of the tracks prevents derailing. As standard, the door is supplied with powder-coated suspension bars, which make it possible to install the tracks up to 400 mm away from the ceiling.

The weight of the leaf is perfectly balanced thanks to the use of a torsion spring system installed in the front part of the door by the lintel on a steel, galvanized shaft. Springs are preselected with computer precision and guarantee the best balancing of the door, maximum comfort, and safety of use.

The PRIME garage doors are available only in the automatic version with the METRO Smart io drive unit in the 800 and 1000 versions (with a transmission rail with a quiet toothed belt as standard) or with

the SPARK drive unit in the 600, 800, and 1100 versions selected depending on the door dimensions. Standard accessories also include an auxiliary safety system. The kit includes the following features:

- locking of the drive carriage to the running rail for the METRO Smart io drive unit, or the LOCK electromagnetic motor lock for the SPARK drive unit – in the closed position, it guarantees additional locking and protection against the door leaf being prised open,
- backup power supply battery ensuring emergency operation of the drive when the main power supply is unavailable.

The doors are made of panels with a special profile that prevents fingers from getting crushed. Large dimension doors 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. The fully equipped and complete power operated PRIME door is unrivalled – its classic design is just a hint of what this ingenious garage door hides inside.



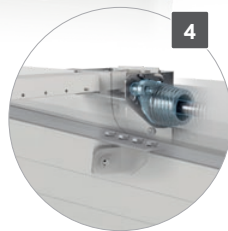
**Metro SMART io drive unit,** communicating with the TaHoma® switch central control units.



**The Spark drive unit** enabling control via the WIŚNIEWSKI Connected app.



**Mechanical carriage lock**  
An additional protective device, which increases the security of a closed garage door.



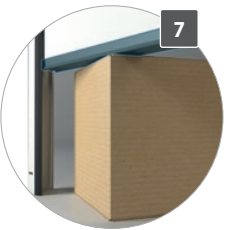
**Integrated spring break safety device**  
In the unlikely event of a spring breakage, the door leaf will not drop.



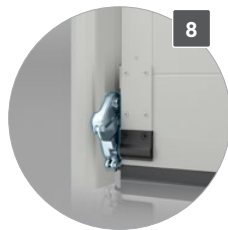
**Double rollers with bearings**  
An additional protective device, which increases the security of a closed garage door.



**Safe panel shape.**  
Prevents fingers from being crushed.



**Overload safety device**  
In automatic doors, the door leaf stops and reverses when the bottom edge contacts an obstacle.



**Safety brake**  
Safety brake prevents the leaf from dropping in case of cable damage.



**ADDITIONAL SEALING**  
in the top aluminium profile.



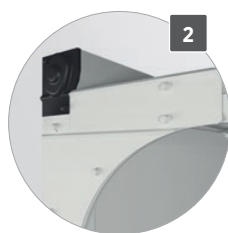
## SAFETY

The PRIME garage door has been fitted with a number of structural solutions to increase the level of safety, which also has a considerable effect on the visual aspect of the inside of the door. As standard, the PRIME door is fitted with vertical track covers, moving roller and

guide covers, integrated shaft and torsion spring cover, side shaft covers, as well as flexible internal panel joint covers. The door is also fitted as standard with optical safety devices, such as photocells and external optical sensors.



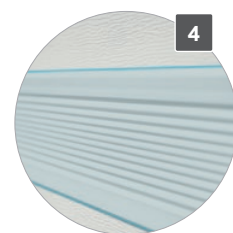
**Integrated shaft and spring cover**



**Integrated shaft cover including side covers**



**Moving roller and guide covers**



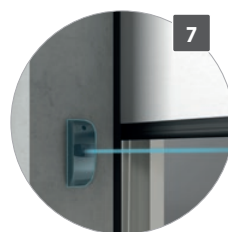
**Flexible panel joint covers**



**External optical sensors**



**Vertical guide covers**



**Photocells**



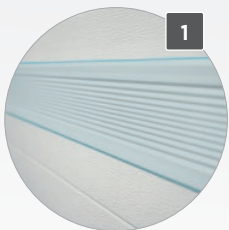
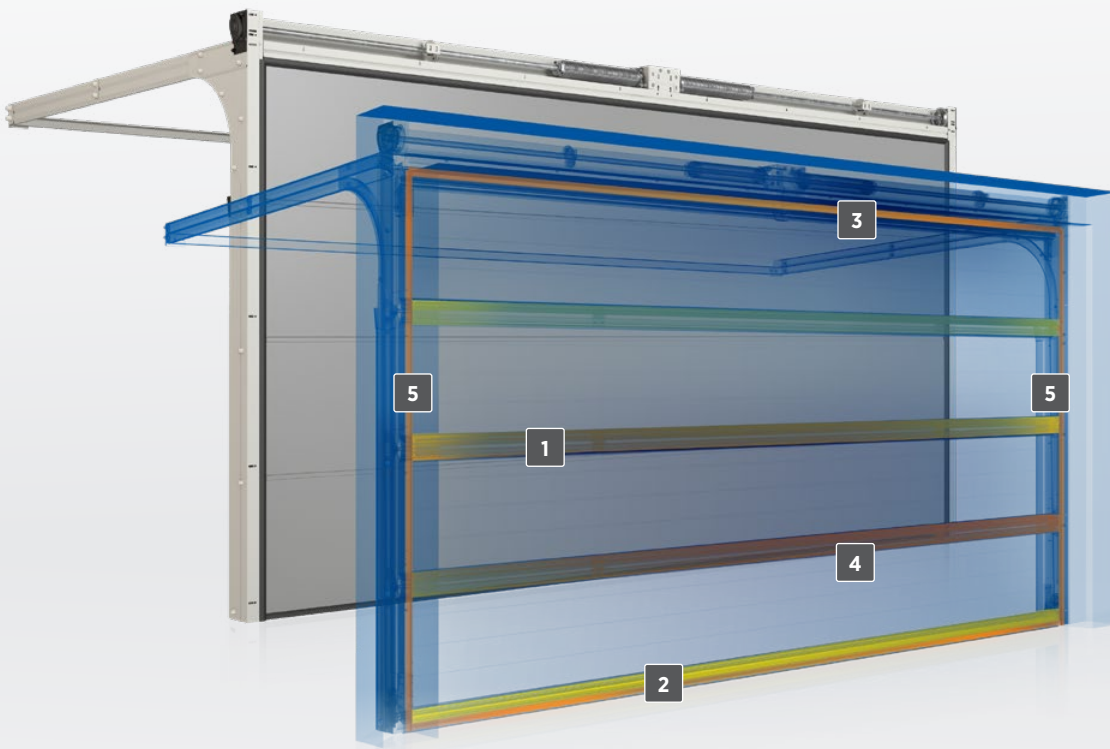
## THERMAL INSULATION

The PRIME garage door is all about thermal insulation, which makes it a recommended choice for energy efficient and even passive buildings. The PRIME answers the demand for maximum energy efficiency and minimum thermal losses in buildings.

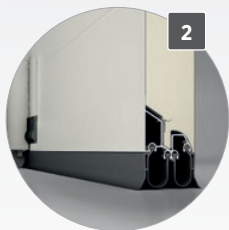
In order to achieve this, it was necessary to achieve an exceptionally low thermal transmittance factor.

The PRIME takes full advantage of the thermal insulation properties of the INNOVO panels and their sealing solutions to eliminate heat losses in the crucial areas of the door curtain.

The U factor of the INNOVO panel is as low as 0.33 W/m<sup>2</sup>K, which translates into thermal insulation of the entire garage door. The new panel, double top and bottom gaskets for the door curtain, as well as panel joint seals allowed us to obtain an excellent thermal transmittance factor.



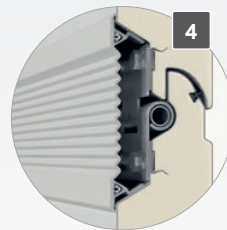
**Flexible panel joint covers**



**Double bottom gasket**



**Double-lip gasket in the fascia panel**



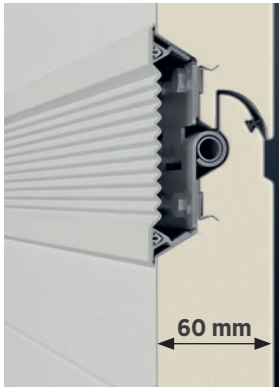
**Panel joint seals**



**Panel joint seals**



## PANEL STRUCTURE



### Robust and reliable design

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. Our specially designed proprietary 60 mm thick INNOVO panel, which features a **5-ply sheet bending system**, is manufactured in-house and ensures good thermal and acoustic insulation, as well as durability and safety. The top section is fitted with a lip gasket, and a flexible cover is provided on the inside between the panels. Inner side of the panel in RAL 9002 or RAL 9005 in the Black Edition.

## Black Edition



The **PRIME Black Edition** is the perfect choice for modern buildings whose owners want to have an appealing garage interior highlighted by an original product. The internal structure and the leaf are painted in RAL 9005 – black.

## RIB TYPES



G – without ribs

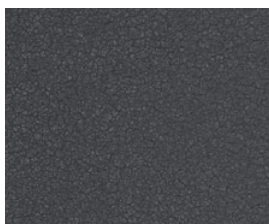


W – high ribs

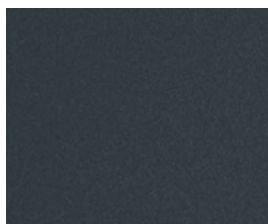
## TEXTURES



Smoothgrain



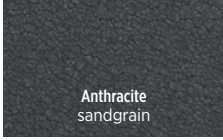

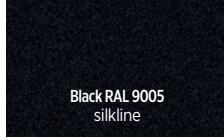





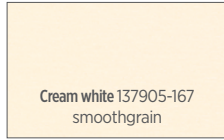
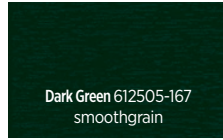
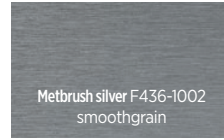


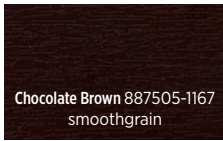
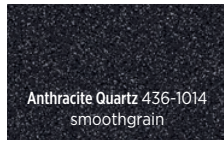
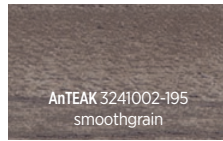
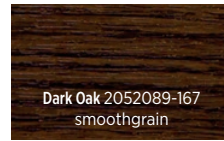
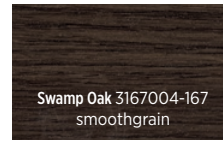
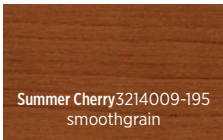
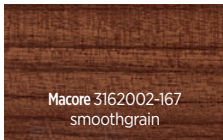
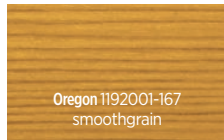
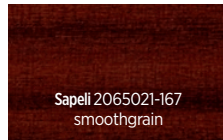
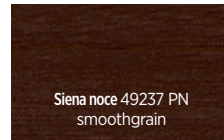
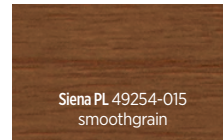
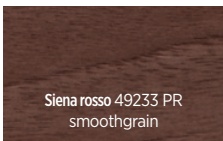
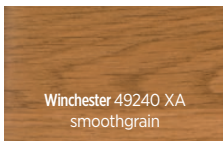
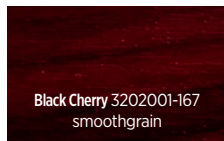
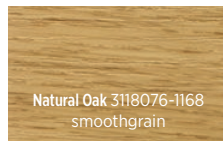
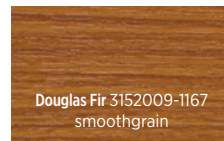
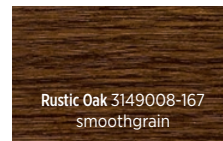
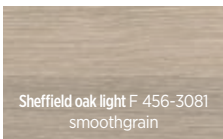

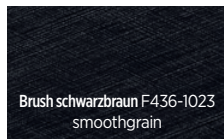
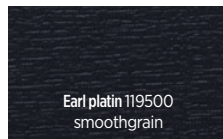

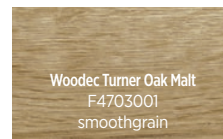
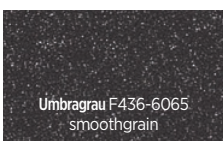

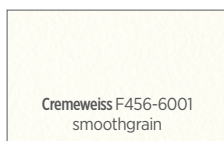
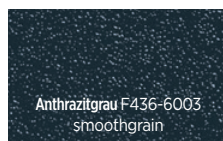


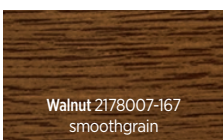
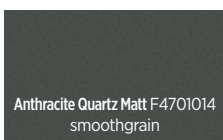
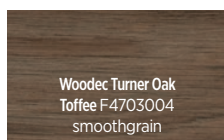
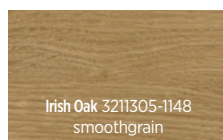

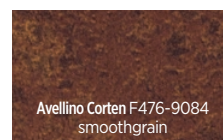
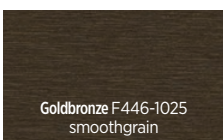
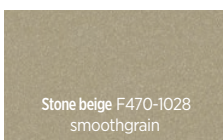
Sandgrain



Silkline

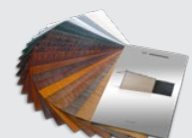


### AVAILABLE COLOURS:

 Anthracite sandgrain	 Graphite RAL 7016 silkline	 Black RAL 9005 silkline	 Silver RAL 9006 silkline	 White RAL 9016 silkline	 Golden Oak smoothgrain
 Walnut smoothgrain	 Anthracite Grey 701605-167 smoothgrain	 Cream white 137905-167 smoothgrain	 Dark Green 612505-167 smoothgrain	 Metbrush silver F436-1002 smoothgrain	 Silbergrau 116700 smoothgrain
 White 915205-168 smoothgrain	 Chocolate Brown 887505-1167 smoothgrain	 Anthracite Quartz 436-1014 smoothgrain	 AnTEAK 3241002-195 smoothgrain	 Dark Oak 2052089-167 smoothgrain	 Swamp Oak 3167004-167 smoothgrain
 Summer Cherry 3214009-195 smoothgrain	 Macore 3162002-167 smoothgrain	 Oregon 1192001-167 smoothgrain	 Sapeli 2065021-167 smoothgrain	 Siena noce 49237 PN smoothgrain	 Siena PL 49254-015 smoothgrain
 Siena rosso 49233 PR smoothgrain	 Winchester 49240 XA smoothgrain	 Black Cherry 3202001-167 smoothgrain	 Natural Oak 3118076-1168 smoothgrain	 Douglas Fir 3152009-1167 smoothgrain	 Rustic Oak 3149008-167 smoothgrain
 Sheffield oak light F 456-3081 smoothgrain	 Sheffield oak grey F 436-3086 smoothgrain	 Brush schwarzbraun F436-1023 smoothgrain	 Earl platin 119500 smoothgrain	 Black multi-mat PX47097 smoothgrain	 Woodec Turner Oak Malt F4703001 smoothgrain
 Umbragrau F436-6065 smoothgrain	 Fenstergrau F436-6066 smoothgrain	 Cremeweiss F456-6001 smoothgrain	 Anthrazitgrau F436-6003 smoothgrain	 Dark grey silk 4367003 smoothgrain	 Golden Oak 2178001-167 smoothgrain
 Walnut 2178007-167 smoothgrain	 Anthracite Quartz Matt F4701014 smoothgrain	 Woodec Turner Oak Toffee F4703004 smoothgrain	 Irish Oak 3211305-1148 smoothgrain	 Sable Noir 2100 silkline	 Avellino Corten F476-9084 smoothgrain
 Goldbrunze F446-1025 smoothgrain	 Stone beige F470-1028 smoothgrain				



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



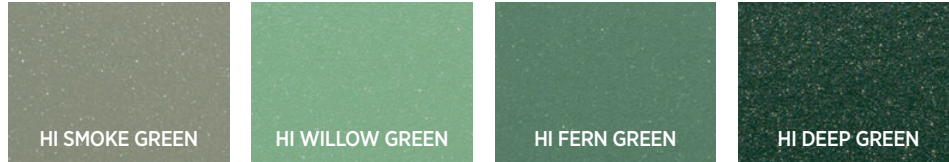
Film coatings available with garage doors with the panel:  
G - without ribs, W - with high ribs



## HOME INCLUSIVE 2.0 colours

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

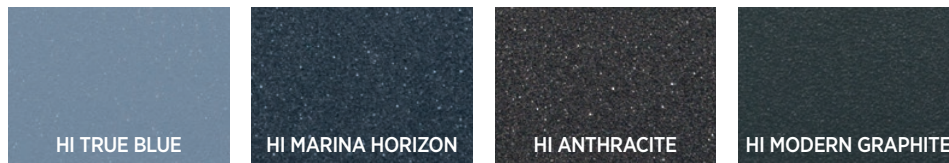
### HI EARTH



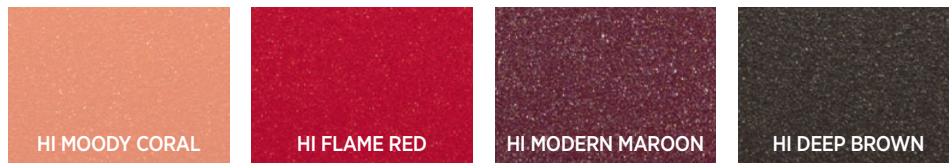
### HI STONE



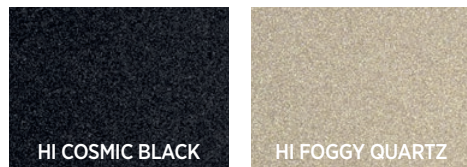
### HI STEEL



### 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 excessively, which may result in deformation. The door leaf cannot be painted from the inside. When ordering doors in matching colours in different orders (delivery batches), the colour hues can differ due to technological reasons.



All doors painted in any RAL palette colour (excluding: pearlescent, reflective and metallic colours), coated with a semi-mat effect varnish. In the PRIME door series the steel panels are only painted on the outside. The inner colour of the Black Edition is RAL 9002 or RAL 9005 .



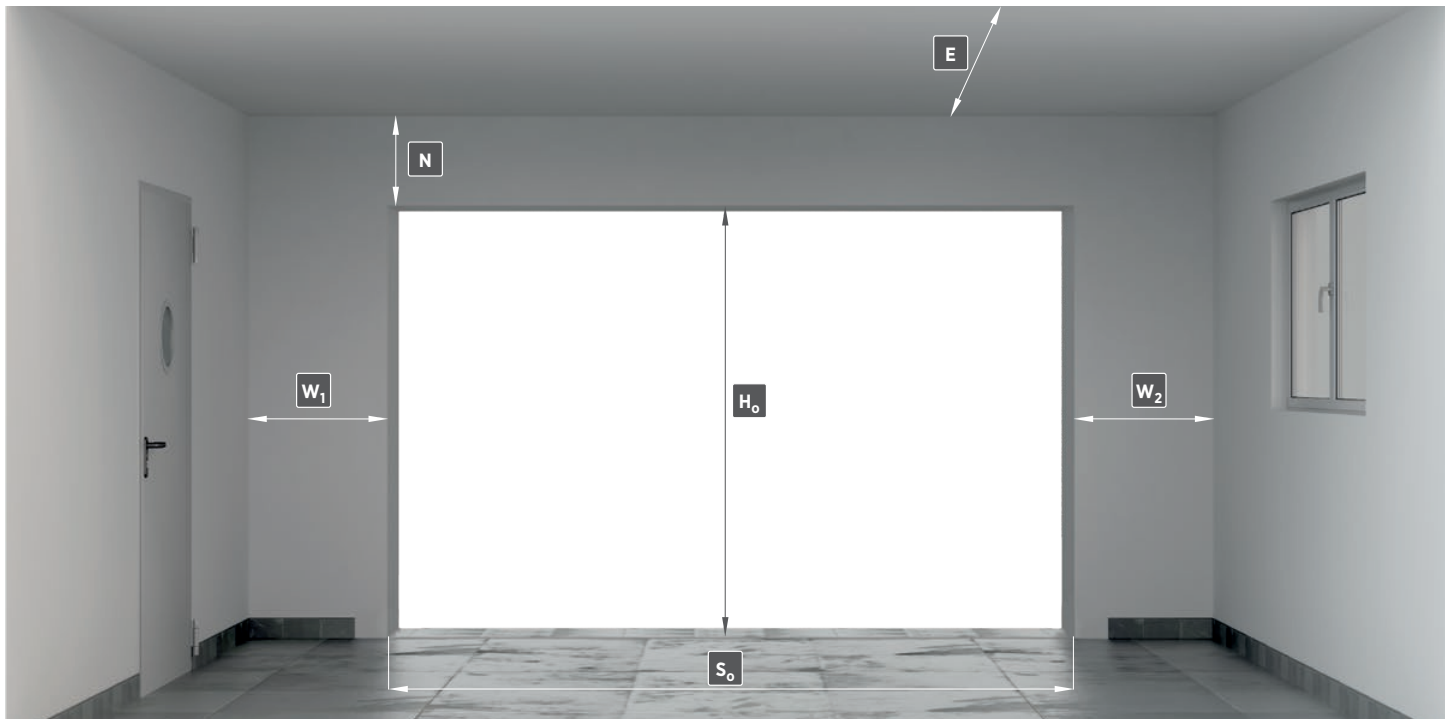
## U THERMAL TRANSMITTANCE FACTOR [W/m<sup>2</sup>K]

		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
Door height in [m]	2,000	1,1	1,1	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,99	0,98	0,97
	2,100	1,1	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,98	0,97	0,97	0,96	0,95
	2,125	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,98	0,97	0,97	0,96	0,95	0,95
	2,200	1,1	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,99	0,98	0,97	0,96	0,96	0,95	0,95	0,94	0,93
	2,250	1,1	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,96	0,95	0,95	0,94	0,94	0,93	0,92
	2,375	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,96	0,95	0,94	0,93	0,93	0,92	0,92	0,91	0,90
	2,500	1,1	1,1	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,99	0,98	0,98		
	2,625	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,97				
	2,750	1,1	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,96	0,96	0,95				
	2,875	1,0	1,0	1,0	1,0	1,0	1,0	0,98	0,97	0,96	0,95	0,95	0,94	0,93				
3,000			1,0	1,0	0,99	0,98	0,97	0,96	0,95	0,94	0,93	0,92						

U thermal transmittance factor [W/m<sup>2</sup>K] for the PRIME sectional door (INNOVO 60 [mm] panel)

The thermal transmittance factors are provided for doors without additional circumferential seals.

## 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 on a galvanized shaft, garage door with double horizontal tracks.

Minimum garage door dimensions:

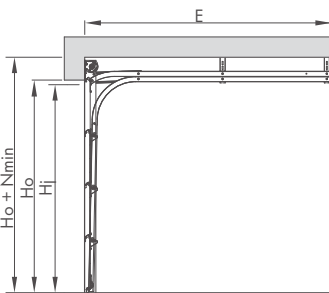
- $S_o = 2,000$  [mm] and  $H_o = 1,900$  [mm] – doors  **g**,  **w**

## 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																	
	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																		
2,100																		
2,125																		
2,200																		
2,250																		
2,375																		
2,500																		
2,625																		
2,750																		
2,875																		
3,000																		

<sup>(1)</sup> – Ordering dimension.

## Installation dimensions



		PRIME
<b>Sj</b>		$S_o - 40$ [mm]
<b>Hj</b>		$H_o - 100$ [mm]
<b>Nmin</b>		200 [mm] <sup>(2)</sup>
<b>W1min, W2min</b>		160 [mm]
<b>Emin</b>	METRO	$L_s + 410$ [mm]
	SPARK	$L_s + 363$ [mm]
<b>Ls</b>	METRO	2,900 [mm] or 3,500 [mm]
	SPARK	3,288 [mm] for $H_o \leq 2,250$ ; 3,831 [mm] for $H_o > 2,250$ and $H_o \leq 2,750$ ; 4,384 [mm] for $H_o > 2,751$

**So** – opening width, ordering dimension. **Sj** – clear passage width after garage door installation. **Ho** – opening height, ordering dimension. **Hj** – clear passage height 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.

<sup>(1)</sup> – Ordering dimension. <sup>(2)</sup> – For garage door height 2,200 [mm] Nmin is 220 [mm].



## OPTIONAL ACCESSORIES

### DECORATIVE MOTIFS

The decorative motifs are made of stainless steel with a satin finish or powder-coated steel in the RAL 9005 colour. Located vertically on the garage door – on the left or on the right. Available for the typical dimensions of PRIME doors with a panel without ribs (G).



Type Ap-1



Type Ap-2



Type Ap-3



Type Ap-4



Type Ap-5



Type Ap-6

Horizontal decorative motifs in stainless steel or copper-clad steel are installed in ribs and joints on the bottom and middle panels. Available only with the W rib for the top panel. Available for garage doors with the W and G ribs and in Silkline, Smoothgrain, and Sandgrain structures.

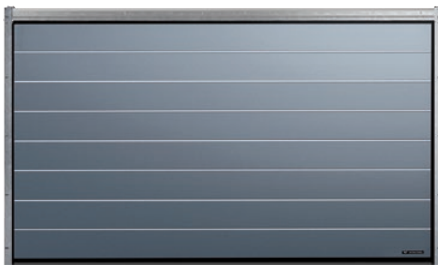
For garage doors with the following widths:

AP-7 stainless steel		AP-7 copper-clad steel	
So [mm]	Number of decorative motif elements	So [mm]	Number of decorative motif elements
<b>2,981 - 5,500</b>	<b>2</b>	<b>2,281 - 4,780</b>	<b>2</b>
<b>&gt; 5,501</b>	<b>3</b>	<b>&gt; 4,780</b>	<b>3</b>

The decorative element pieces on one garage door are joined at the same garage door width. Cannot be used in garage doors when matched to a garage door with a wicket.

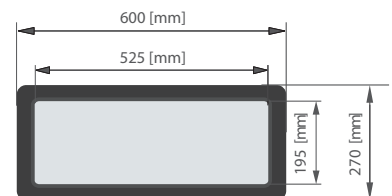


Type Ap-7 in garage doors with panels without ribs



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

### PORTHOLES/GLAZING



**Type A-1** – made of triple, clear acrylic glass, rough frame surface. The external frame is available in RAL 7016, RAL 8003, RAL 8011, RAL 8014, RAL 8017, RAL 9005, 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%.



## METRO SMART io DRIVE UNIT

The METRO Smart io is a new generation of drive units. It provides a harmonious combination of power, beauty and reliability, and is designed using state-of-the-art technology. Born out of cooperation between WIŚNIOWSKI and Somfy, a leading global manufacturer of automation products and smart controls for home equipment. The METRO Smart io drive unit features exceptional technical parameters in an enclosure designed according to the WIŚNIOWSKI design principles. The drive unit is compatible with the TaHoma switch central control unit.



**EASY PROGRAMMING** – featuring LEDs and several configurable parameters;

**OPTICAL SAFETY SYSTEM** – the system ensures optimum protection whenever an obstacle appears between the photocells;

**OVERCURRENT OBSTACLE DETECTION** – an overload protection system stops and reverses the door leaf when the bottom edge contacts an obstacle;

**RAIL WITH A QUIET TOOTHED BELT** – the door runs quietly and smoothly, which is of particular importance when the garage is adjacent to the house and situated close to the bedroom;

**SOFT START AND STOP** – extends the life of the garage door and the entire system.

**IO radio transmission** – an excellent solution based on the innovative io-homecontrol® technology, which enables installation and extension of the drive system without modifying the wall structure. It is the perfect choice for new buildings, as well as home renovation or refurbishment projects. The use of the io radio transmission for communication between the drive unit, other devices and the central control unit makes it possible to control your home from any place in the world at any time using just a smartphone application;

**EMERGENCY BATTERY UNIT** – keeps the door operational in case of a power outage;

**INTEGRATED LED LIGHTING** – for information purposes;

**MECHANICAL CARRIAGE LOCK** – locks the door in the closed position and prevents unauthorized opening of the door;

**OPTIONAL ADDITIONAL EXTERNAL SOURCE OF LIGHT E.G. VEHICLE LIGHTING.**



Technical data		
Power supply / Motor	230V, 50Hz / 24V DC	
Force	800N and 1,000N	
Power consumption (standby)	< 0.5 W	
Efficiency	30%	
Rail	single, steel, coated	
Transmission	belt	
Speed	3.5 ÷ 14 cm/s – adjustable	
Central control unit	integrated	
Radio receiver	Somfy io, built-in - 868-870 MHz io	
Radio receiver storage	30 transmitters	
Auto selection of operating parameters	yes	
Limit switches	encoder + mechanical bumper	
Emergency uncoupling	yes	
Radio receiver storage	Radio receiver transmitters	9
	two-way transmitters	without limits
Rotating automatic operating unit head	yes	
Warranty	5 years	

Functionality	
Obstacle detection	yes
Obstacle detection adjustment	4 adjustment levels
Action following obstacle detection	stop and partial opening
Automatic closing	yes / 60 s; 120 s;
Release in end position	yes
Low energy consumption mode	yes
Independent exterior lighting	yes / 230V, 500W
Exterior lighting control	yes
Auxiliary warning light	yes / 24V, 15 W
Delayed drive unit light switch off	yes / 60 seconds
Independent lighting control in the drive unit	yes
Emergency power supply	yes
Display / LEDs	no / yes
Partial opening – garage ventilation	yes
Information about a fault	yes, LEDs
Smart home	yes, io-homecontrol technology <sup>(1)</sup>
Control via the app	TaHoma switch

<sup>(1)</sup> – standard, wireless Smart Home, TaHoma switch required;



## OPTIONAL ACCESSORIES

### CODE KEYPAD KEYPAD 2 io



It makes it possible to control the io radio drives and can support up to two devices. The keypad is a surface-mounted wireless device, which does not require any cables for installation.

### WALL-MOUNTED TRANSMITTER 3CH io



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 (with the Metro SMART io drive unit).

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

### EMERGENCY DRIVE UNIT DISENGAGEMENT WITH A ROD



It is an alternative for the standard disengagement system with the use of a string. An ideal solution for garages where a tall car or a car with a roof box is kept. It will also be perfect for garage doors with glazing – it makes it impossible to open the garage door even after the glass is broken.

### WALL-MOUNTED TRANSMITTER AMY 1 io



The single-channel device enables control of the drive unit via the io-homecontrol radio transmission. It features an integrated temperature sensor compatible with the TaHoma ecosystem.

### RC2 ANTI-BURGLARY KIT



The anti-burglary kit provides an 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.

### FOUR-CHANNEL TRANSMITTER PULSAR io



Four-channel remote control. Enables wireless control of drive units via the io radio transmission. Operates at a frequency of 868 MHz and enables control of up to four different drive units.

### EXTERNAL io RADIO receiver



It makes it possible to control drive units supplied by other manufacturers using the Pulsar io transmitter. It is a 2-channel device.

### 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 makes it possible to illuminate the room, guaranteeing low energy consumption. Easy installation, long-life LEDs, and compatibility with the METRO drives ensure comfort in daily use.



## SPARK DRIVE UNIT

The SPARK drive unit is an advanced solution that offers the highest power among the available options – with a force of up to 1,100 N, 800 N or 600 N and an efficiency of 40%. The drive unit has a built-in Wi-Fi module, which enables control of the gate via a mobile app without the need for professional configuration and additional components, such as a central control unit. It is powered by a voltage of 220-240V, 50/60Hz with a 24V DC motor, which allows the gate to open quickly at speeds from 18 up to 24 cm/s, depending on the drive unit type. The drive unit uses a carriage, which ensures exceptional durability and smooth operation. It operates within a temperature range of -25°C to +65°C, making it resistant to harsh weather conditions. It has a built-in radio receiver with storage for up to 40 transmitters, which operates over the WIŚNIOWSKI 868 MHz radio transmission. The SPARK features an obstacle detection function, enables the connection of photocells, and has an automatic closing function adjustable up to 240 seconds. It also makes it possible to connect a wicket door opening sensor, independent control of external lighting up to 500 W, and a garage ventilation function. The drive unit is covered by a 5-year warranty.



**EASY AND QUICK PROGRAMMING** – you can configure the most important parameters yourself, you just need to program the closing end position of the garage door.

**AMPEROMETRIC OBSTACLE DETECTION** – when the bottom edge of the door leaf encounters an obstacle, the drive will stop it and immediately change the direction of movement.

**SPLIT RAIL WITH A FIXED CHAIN** – ensures very quiet and smooth operation, and the fixed chain does not require lubrication.

**WIŚNIOWSKI 868 RADIO TRANSMISSION** – an excellent solution based on a two-way radio protocol which makes it possible to install and expand the control system without the need to drill holes in the wall. It is a perfect solution for modernization or renovation projects.

**INTEGRATED SIGNAL LIGHT** – the drive unit has an integrated LED signal light.

**ELECTROMAGNETIC MOTOR LOCK** – it locks the drive unit in any position, increasing the safety of the garage door.

**EMERGENCY BATTERY UNIT** – keeps the door operational in case of a power outage.

**DART FOUR-CHANNEL TRANSMITTER** – allows you to remotely control the garage door and program up to four different devices. It is made of durable materials, which translates into long-term operation of the device.



**SMART HOME** – the drive unit has a built-in Wi-Fi module, which enables control of the door via the WIŚNIOWSKI Connected mobile app without the need for professional configuration and additional components, such as a central control unit. By installing an additional CONEX or OUTPUT board, or RELAY transmitter, it is possible to connect the garage door to virtually any wired smart home system.

**OPTION TO CONNECT PHOTOCELLS** – the system ensures optimum safety whenever an obstacle appears between the photocells.

Technical data	
Power supply / Motor	220-240V, 50/60Hz / 24V DC
Force	600N / 800N / 1,100N
Power consumption (standby)	< 0,5 W
Efficiency	40%
Rail	split, steel, uncoated
Transmission	carriage
Speed	max.: 18 / 24 / 21 / 18 cm/s
Central control unit	integrated
Radio receiver	WIŚNIOWSKI; integrated: 868 MHz
Radio receiver storage	40 transmitters
Auto selection of operating parameters	yes
Limit switches	encoder + mechanical limit switch
Emergency uncoupling	yes
Dynamic shutting (up and over doors)	no
Rotating automatic operating unit head	no
Warranty	5 years

Functionality	
Obstacle detection	yes
Obstacle detection adjustment	4 adjustment levels
Action following obstacle detection	stop and partial opening
Automatic closing	yes / max. 240 sec.
Release in end position	yes
Low energy consumption mode	yes
Independent exterior lighting	yes / 230V, 500 W <sup>(1)</sup>
Exterior lighting control	yes
Auxiliary warning light	yes / 24V, 25W
Delayed drive unit light switch off	yes / fixed – 180 s
Independent lighting control in the drive unit	yes
Emergency power supply	yes
Display / LEDs	no / yes
Partial opening – garage ventilation	yes
Information about a fault	yes, LEDs
Smart home	yes <sup>(2)/(3)</sup>
Control via the app	WIŚNIOWSKI Connected

<sup>(1)</sup> – RELAY transmitter 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;



## 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. ENTRAcodes+ 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.

### 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.



## PRIME SECTIONAL GARAGE DOOR



PRIME | RAL 2011 | silkline



PRIME | RAL 9006 | silkline



## TECHNICAL DATA

	PRIME
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 $\rho=42 \text{ kg/m}^3$ without HCFC
Minimum number of cycles	25,000
Thermal transmittance factor U of the panel [W/m <sup>2</sup> ·K]	0.33
Watertightness class	2 in accordance with 13241
Wind load resistance class	4 in accordance with 13241
Air permeability class	5 in accordance with 13241
Sound reduction index Rw [dB] without a wicket door / with a wicket door	24 in accordance with PN-EN ISO 717-1: 2020
Safety features	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), external optical sensors, overload safety device in the drive unit, fixed horizontal track covers, moving roller and guide covers, integrated shaft and torsion spring cover, side shaft and torsion spring covers, flexible internal panel joint seals, photocells.
Optional accessories	Decorative motifs, RC2 anti-burglary kit, drive unit disengagement with a rod, LED lighting under the tracks and track connector, A-1 portholes.
Maximum width / height of the door [mm]	6,000 / 3,000
Available panel rib designs	high ribs, no ribs
Available panel structures	Smoothgrain, Sandgrain, Silkline
Available colours:	other RAL, special colours, including wood effect colours, (film-coated panels)
Track type	Sp

## CONTROL THE GARAGE DOOR WITH YOUR SMARTPHONE!

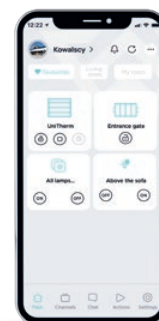
## TaHoma – Your smart home

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 WIŚNIEWSKI Connected app – new quality as standard

When you choose WIŚNIEWSKI Connected, you don't need a smart home central control unit. WIŚNIEWSKI 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. WIŚNIEWSKI 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.



WIŚNIEWSKI

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