WIŚNIOWSKI

BROUGHT TO YOU BY

JDUK Door Systems

JDUK
Door Systems

UniPro Sectional Door Brochure

March 2023

JDUK
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www.jdukltd.co.uk

Welcome to the world of **WIŚNIOWSKI garage doors** brought to you by JDUK Door Systems

Choose one of our sectional garage door solutions. This diversity is our response to the requirements of our customers. Let us surprise you with the multitude of options. We present to you the classy, safe, and functional sectional garage doors by WISNIOWSKI.

Why **WIŚNIOWSKI?**

For the last three decades, we have been working in accordance with the idea of the founder of the WISNIOWSKI brand, Andrzej Wisniowski, who made it his goal to create innovative products addressing all of our customers' needs, providing many reasons to buy WISNIOWSKI products:

- **Side Sprung** available up to **5000mm** wide
- **Matching** profiles provided as standard
- **4 Panel** arrangement up to **2375mm** high
- **100mm headroom** including the tolerance required for the automation
- **Unique fascia** specifically designed for the UK
- **34 standard RAL** colours available
- **41 foiled** finishes available
- **Exclusive** - Home Inclusive colour range
- **Special** colours available on request, from Farrow & Ball to Little Greene Paint.

Perfection in **every detail**

UniPro

Always universal

Thanks to advanced technologies, proven materials and our own innovative technical thinking, we give our customers the certainty of a good choice. We have an integrated Management System, certified on the basis of the quality standard ISO 9001: 2008 and Occupational Health and Safety OHSAS 18001:2007. This is striving for continuous improvement of processes and products. The UniPro combines precision manufacturing and attention to detail with a vast range of designs, structures, colours, and decorative motifs. This lets you match the UniPro garage door with both modern and traditional buildings. Thanks to the multitude of design solutions, the UniPro garage door is the perfect choice for a new build or renovation,

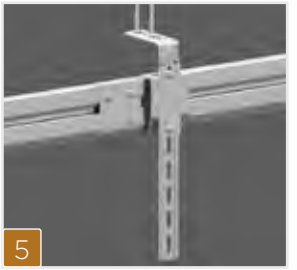
STANDARD CLASS

- **Side extension** springs available up to **5000mm** wide
- **Coloured profiles** supplied as **standard**
- **4 panel** arrangement up to **2375mm** high
- **Headroom** requirement including automation **100mm**
- **34 Standard RAL** colours to choose from
- Panel heat transfer coefficient **Up=0.48 W/m²K** (1)

UniPro

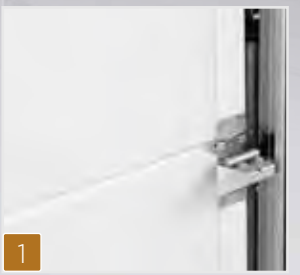
The UniPro sectional garage door is dedicated primarily to buildings with low lintel, with little space for torsion springs and narrow side clearance, making it impossible to use traditional solutions. It is also used for renovation, particularly with imperfectly finished garage openings. The UniPro features a specially designed profile system for frames positioned between the opening, which enables adjustment of the position of the door during installation. Thanks to its proven structure, it is a reliable solution that is installation friendly.

UNIVERSAL INSTALLATION

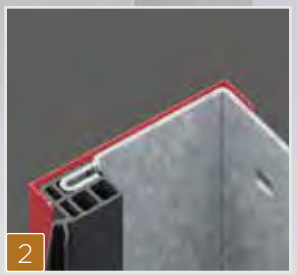


Adjustable ceiling fix

Adjustable rear side wall fix



Side sprung up to **5000mm** wide

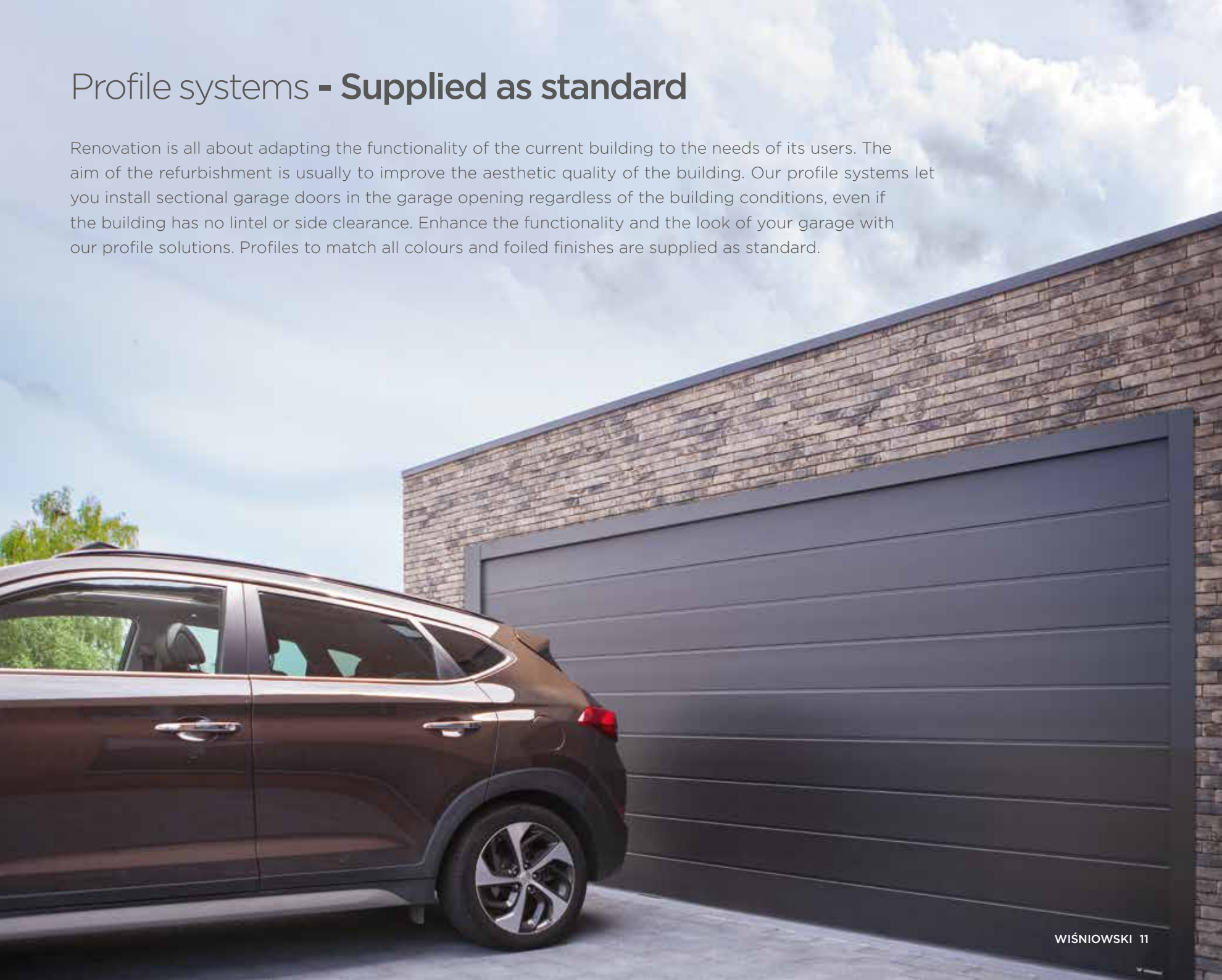


Matching profiles supplied as **standard**

Pre-installed cable system

Profile systems **- Supplied as standard**

Renovation is all about adapting the functionality of the current building to the needs of its users. The aim of the refurbishment is usually to improve the aesthetic quality of the building. Our profile systems let you install sectional garage doors in the garage opening regardless of the building conditions, even if the building has no lintel or side clearance. Enhance the functionality and the look of your garage with our profile solutions. Profiles to match all colours and foiled finishes are supplied as standard.



Functionality and **reliability that lasts**

We insist on implementing solutions that extend the life of our garage doors at the initial design stage. Our TÜV SUD certificate guarantees that all the processes are strictly supervised along each stage, from the purchase of raw materials, through design and manufacture, up to the final product and customer support.
It is a promise of the highest quality, safety, and comfort at each stage of use. A 10 year warranty covering the safe and reliable operation of the product is provided once registered to the extended care warranty programme. Would you like to find out more about controlling your home features using a smartphone? The smart CONNECTED technology brings WISNIOWSKI automatic sectional garage doors to the next level of product development, tailoring them to the requirements of modern customers. On the one hand, it lets you control the devices with your smartphone, and on the other, it gives you full control and lets you stay in touch with your home from any place in the world.

CE

SAFETY

The **TÜV SÜD** certificate confirms that WISNIOWSKI operates in a systemic manner, which ensures that our processes are repeatable, our responsibility is transparent at each stage of meeting customers' demands, and that our processes are constantly being perfected.

Anti-burglary **safety kit RC2**

Your home is your castle. We understand it very well and support you in building a safe space for you and your family. The anti-burglary safety kit provides an even better protection for your home. Solutions designed by our engineers make the UniPro doors paired with the METRO drive unit almost impossible to force open. The mechanism locks the door automatically and protects it from being opened by unauthorised persons.

The RC2 level burglary protection is confirmed by a certificate from the widely recognised IFT Institute, so you can rest assured that everything that is important to you is well protected.

RC2

BURGLARY PROTECTION

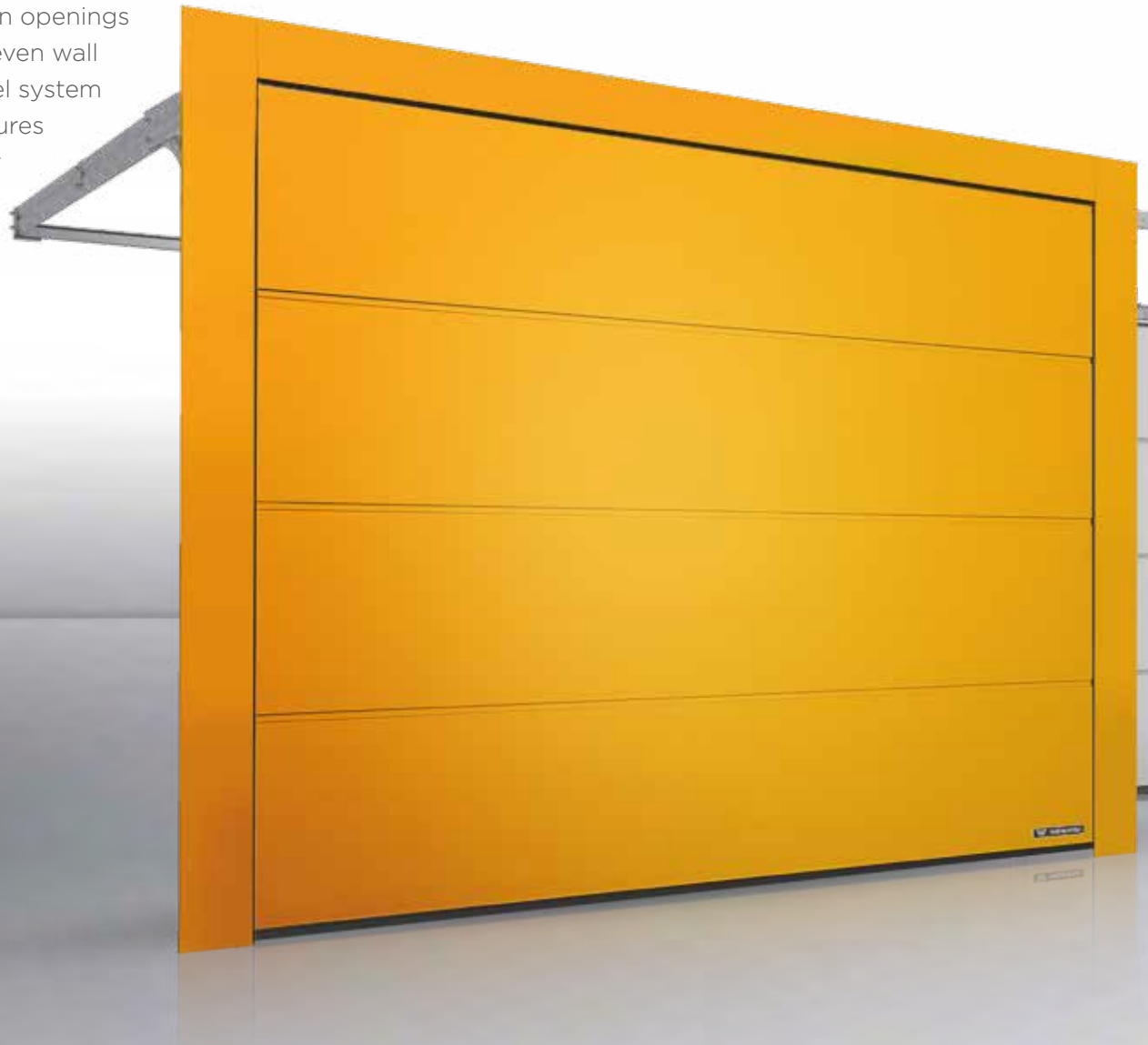
ift ZERTIFIZIERT CERTIFIED Burglar Resistant RC2 System

Garage doors fitted with the RC2 burglary kit have a certificate issued by the IFT Rosenheim Institute (Germany) which confirms compliance with the DIN/TS 18194:2020 standard.

Optional upgrade with UniPro sectional doors, complete with Somfy Metro automation

UNIPRO PROFILE SYSTEM

The UniPro 93mm profile system is our response to the needs of buildings intended for renovation. The structure is made of door frames adapted for installation in openings without the lintel or side clearance or with uneven wall surface. This structure comprises a fascia panel system in the same colour as the door leaf, which ensures great appearance without the need for further finishing works.



UNIVERSAL
INSTALLATION

The UniPro profile system solves a multitude of potential issues that could occur during the replacement of the garage door. The structure is mounted directly to the existing surfaces with a system of angle bars which, paired with fascia panels, take over the functionality of the missing wall elements.

Rear Mount Torsion

Side Sprung

Installation To The Lintel

Behind The Lintel

Under The Lintel

In Front Of The Lintel

Installation To The Frame

Behind The Opening

Between The Opening

In Front Of The Opening

Sectional door

Installation structure

It is a modern and functional solution enabling the installation of sectional garage doors regardless of thebuilding conditions in your garage. It acts as a framework and replaces the missing elements of the lintel or the side area where the structural elements of the garage door are mounted. The structure is made of corrosion resistant galvanised steel and because fascia panels can be used in the door opening, the garage entrance maintains great appearance.

Renovation

Cladding panels

This solution makes it possible to match the front of the building with the design of the garage door curtain. A perfect solution for owners of multi-car garages who appreciate a uniform style of buildings with a garage integrated with the building structure.

Renovation
Fascia panels

The garage door opening can be damaged in the process of replacing the garage door. Fascia panels matching the door leaf colour can be used to cover up the damage or some less appealing building structure features.

Renovation fascia panel – option

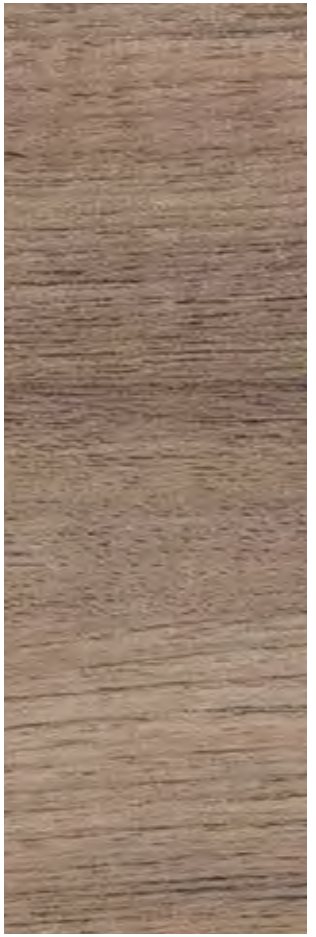
Finishing thermal
Seal

Makes it possible to provide an aesthetic finish of the garage opening thermally insulated, for example, with a layer of polystyrene or Styrodur, by eliminating the clearance between the thermal insulation layer and the door leaf surface, which improves thermal insulation. Available for torsion doors only.

Finishing thermal seal - option

PANEL **TEXTURES**

Woodgrain



Smoothgrain

Silkline

V Line - Silkline

Sandgrain

PANEL **DESIGNS**

Panel design - L Ribbed

Panel design - M Ribbed

Panel design - S Ribbed

Panel design - V Line

Panel design - Georgian

GLAZING OPTIONS

Rectangular Windows - Type A-1

Rectangular Windows - Type C-1

Rectangular Windows - Type E-1

Porthole Windows - Type O

Porthole Window - Type O-2A
Stainless Steel Frame

Square Window - Type R-1A
Stainless Steel Frame

GLAZING OPTIONS

Rectangular Sunrise Window
Type W6-1

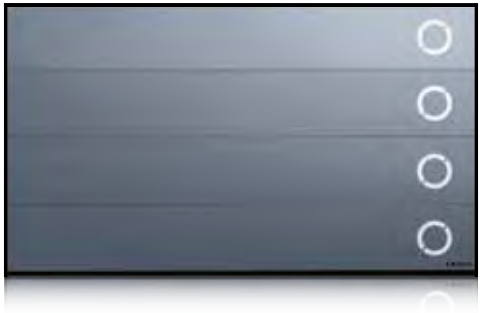
Rectangular Sunrise
Window Type W3-1

Rectangular Sunrise Window
Type W4-1

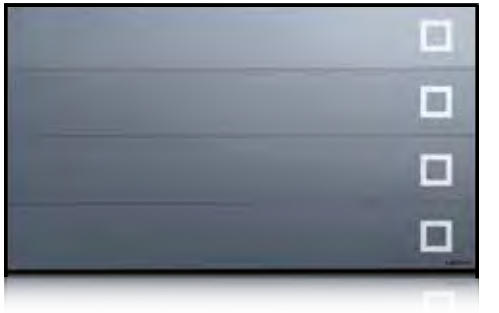
Rectangular Sunrise Window
Type W5-1

DECORATIVE MOTIFS

Decor Type Ap-1



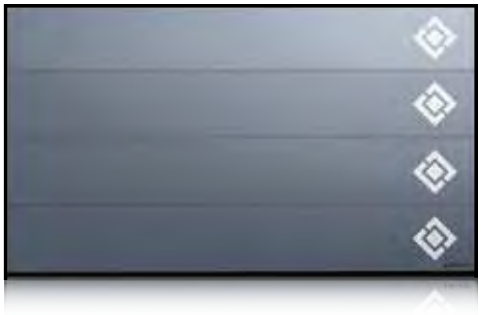
Decor Type Ap-2



Decor Type Ap-3

Decor Type Ap-4

Decor Type Ap-5



Decor Type Ap-6

Decor Strip - L Ribbed Type Ap-7

Decor Strip - M Ribbed Type Ap-7

DOOR OPTIONS

Visual glazing - Available for doors up to 3000mm wide.

Horizon glazing - Available for doors up to 5250mm wide.

Panoramic glazing - Available for doors up to 4000mm wide

Wicket Door Available	

Opening Height (mm)	Opening Width (mm)			
	2000-3000	3001-4000	4001-5000	5001-5500
2000-2250				
2251-2400				
2401-2500				
2501-3000				

Ventilated panel - Perforated sheeting

Ventilated panel - Expanded mesh panel

SIDE HINGED - SINGLE OR DOUBLE LEAF

L Ribbed Panel Design
Single or Double Leaf

M Ribbed Panel Design
Single or Double Leaf

S Ribbed Panel Design
Single or Double Leaf

Georgian Panel Design
Single or Double Leaf

Microwave Panel Design
SIngle or Double Leaf

Type A-1
Glazing

Type Ap-4
Decor

FORM AND **FUNCTION**

UniPro sectional garage doors by WISNIOWSKI are manufactured using 40mm thick insulated panel . All our panels are manufactured in the WISNIOWSKI facility using state-of-the-art technological lines, which ensure high quality and repeatability at each stage of the manufacturing process. High technical parameters and reliable corrosion protection are obtained thanks to the use of high grade, galvanised steel with paint or film coating. The stiff polyurethane foam core ensures optimum strength for the panels and improves their thermal insulation. Special solutions, such as the 5-layer sheet bending system ensures stable fastening of elements, which further increases the strength of our design.

1. Closed panel construction
2. Five sheet layers at the hinges
3. Panel joint seal
4. Polyurethane foam

U_p
0.48
W/m² x K

THERMAL
INSULATION

	V Line	S ribbed	M ribbed	L ribbed	Georgian
Woodgrain	—	RAL9016, Standard RAL, Special RAL, Non RAL	RAL9016, Standard RAL, Special RAL, Non RAL	RAL9016, Standard RAL, Special RAL, Non RAL	RAL9016, Standard RAL, Special RAL, Non RAL
Smoothgrain	—	—	41 film coatings	41 film coatings	—
Sandgrain	—	—	Anthracite	Anthracite	—
Silkline	RAL9016, Standard RAL, Special RAL & Non RAL	RAL9016, Standard RAL, Special RAL & Non RAL	RAL9016, Standard RAL, Special RAL & Non RAL	RAL9016, Standard RAL, Special RAL & Non RAL	—
Home Inclusive 2.0	—	16 colors	16 colors	16 colors	—

U thermal transmittance factor [W/m^{2}K] for the UniPro sectional doors (40 [mm] panel)

Door Hieght in (mm)	Door width in (mm)																	
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	6000
2000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
2100	1.3	1.3	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
2125	1.3	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
2200	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	1.2	1.2	1.2
2250	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	1.2
2375	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	1.2
2500	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			
2625	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2							
2750	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2							
2875	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2								
3000	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2									

AN ABUNDANCE OF **COLOURS**

Colour is the first feature our senses react to. We made sure that each of our customers can find the colour they are looking for. Our garage doors can be manufactured in RAL palette colours and in wood effect finishes. Together with our range of structures and extra decorative elements, this gives you hundreds of options for a totally bespoke design.

Standard RAL, special RAL and Non RAL colours available
Wide selection of wood effect and coloured foils available pages 30-33
Exclusive - Home Inclusive 2.0 available pages 34-35

COLOUR OPTIONS

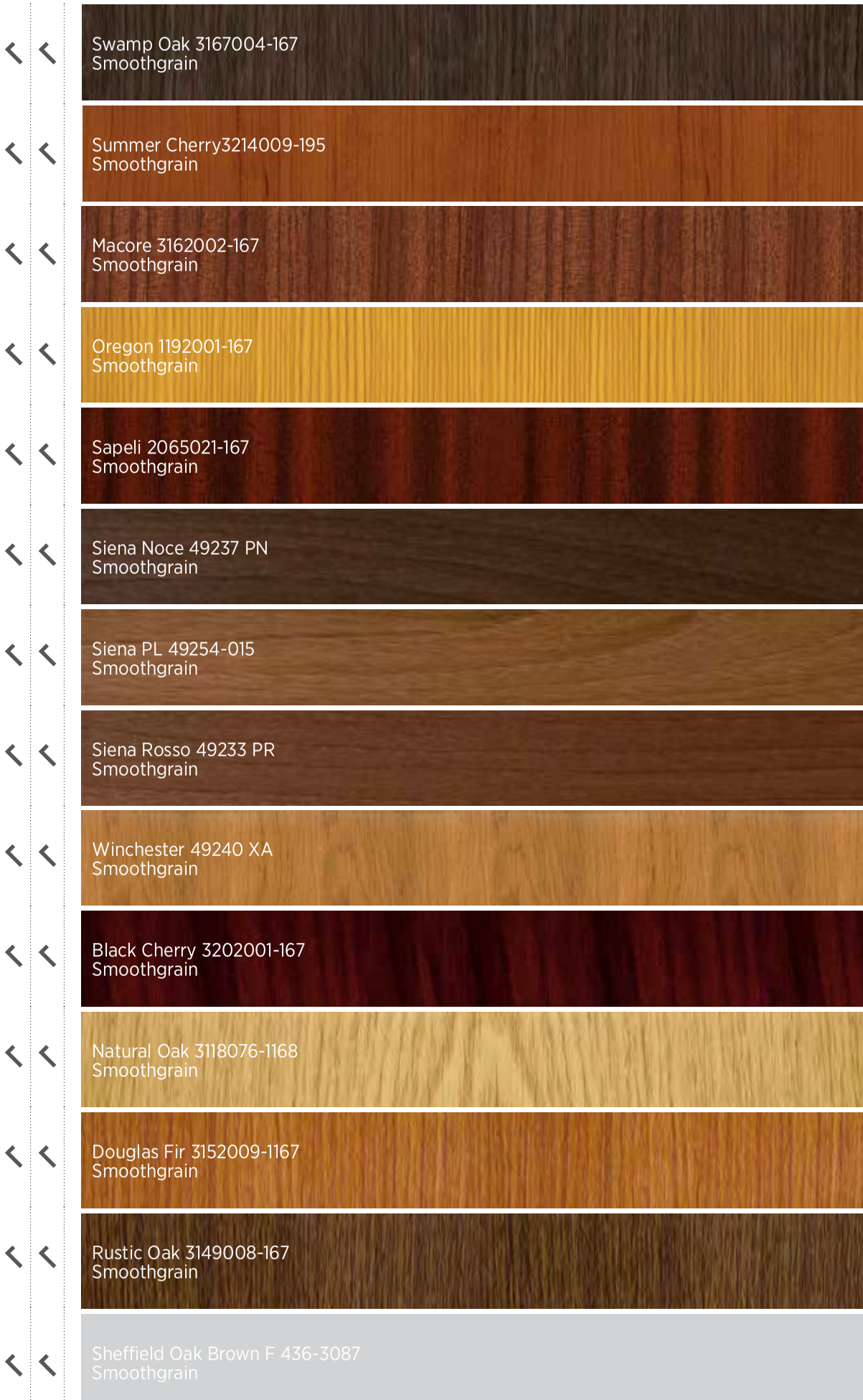
One of the largest pallettes of standard RAL colours available. Special RAL and non RAL colours are also available, whether your choice of colour is Farrow & Ball or Little Green please contact your dealer to arrange a sample.

TRAFFIC WHITE RAL 9016	PURE WHITE RAL 9010	CREAM RAL 9001	LIGHT IVORY RAL 1015	WHITE ALUMINIUM RAL 9006	GREY ALUMINIUM RAL 9007
FIR GREEN RAL 6009	MOSS GREEN RAL 6005	PALE GREEN RAL 6021	STEEL BLUE RAL 5011	GENTIAN BLUE RAL 5010	PIGEON BLUE RAL 5014
BURGUNDY RAL 3004	RUBY RED RAL 3003	FLAME RED RAL 3000	SEPIA BROWN RAL 8014	TERRA BROWN RAL 8028	NUT BROWN RAL 8011
LIGHT GREY RAL 7035	PEBBLE GREY RAL 7032	AGATE GREY RAL 7038	SILVER GREY RAL 7001	WINDOW GREY RAL 7040	STONE GREY RAL 7030
QUARTZ GREY RAL 7039	MOUSE GREY RAL 7005	BASALT GREY RAL 7012	SLATE GREY RAL 7015	GRAPHITE GREY RAL 7024	GRANITE GREY RAL 7026
ANTHRACITE GREY RAL 7016	SIGNAL BLACK RAL 9004	JET BLACK RAL 9005	GRAPHITE BLACK RAL 9011		

COLOURS ARE FOR REFERENCE PURPOSES ONLY

PLEASE REQUEST A SAMPLE

L RIBBED	M RIBBED	S RIBBED	MICROWAVE	GEORGIAN	
					Irish Oak Smoothgrain
✓	✓				Golden Oak Smoothgrain
✓	✓				Walnut Smoothgrain
✓	✓				Anthracite Grey 701605167 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 Cherry3214009-195
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 Brown F 436-3087
Smoothgrain

L RIBBED	M RIBBED	S RIBBED	MICROWAVE	GEORGIAN	
✓	✓				Sheffield Oak Light F 456-3081 Smoothgrain
✓	✓				Sheffield oak grey F 436-3086 Smoothgrain
✓	✓				Brusch schwarzbraun F436-1023 smoothgrain
✓	✓				Earl platin 119500 smoothgrain
✓	✓				Black ulti-mat PX47097 smoothgrain
✓	✓				Woodec Turner Oak Malt F4703001 smoothgrain
✓	✓				Woodec Sheffield Oak Alpine F4703002 smoothgrain
✓	✓				Woodec Sheffield Oak Concrete F4703003 smoothgrain
✓	✓				Umbragrau F436-60657 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 Mat F4701014
smoothgrain

Woodec Turner Oak Toffe F4703004
smoothgrain

Modern White (Painted finish based on RAL 9010)
silkline

Modern White (Painted finish based on RAL 9010)
woodgrain

Modern Black (Painted finish based on RAL9005)
silkline

Modern Black (Painted finish based on RAL 9005)
woodgrain

	HI EARTH				HI STONE				HI STEEL			
L RIBBED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M RIBBED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
S RIBBED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MICROWAVE												
GEORGIAN												

HI MOODY CORAL

HI FLAME RED

HI MODERN MAROON

HI DEEP BROWN

HI RUBY

✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓

NEW COLOURS HOME INCLUSIVE 2.0

THE HOME INCLUSIVE 2.0 COLOUR COLLECTION
Add exceptional character to your property thanks to the unique depth effect of HI 2.0 colours. Perfect for when you require a perfect colour match for your sectional door, insulated side hinged door and front entrance door.

HANDLE COLLECTION

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

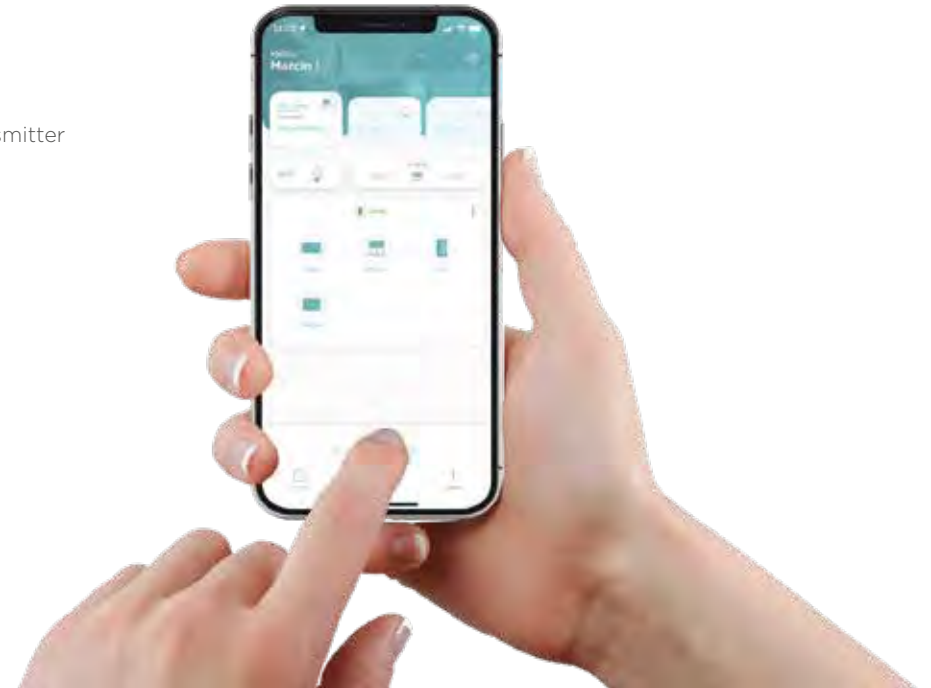
METRO DRIVE

METRO is a new generation of drive units. It is a harmonious combination of power, beauty, and reliability, designed using state-of-the-art technology. It is the result of cooperation between WISNIOWSKI and Somfy, a leading global manufacturer of automation products and smart control solutions for home devices. The METRO drive features exceptional technical parameters in an enclosure designed according to the WISNIOWSKI design principles.

PULSAR
four-channel transmitter

io homecontrol®

smart **CONNECTED**



METRO

TECHNICAL DATA

WIŚNIOWSKI POWERED BY somfy

smart CONNECTED

		Metro RTS	Metro SMART io
Application	Sectional garage doors	•	•
	Up & over garage doors	•	•
Simple programming		•	•
Auto selection of operating parameters		•	•
Configurable		•	•
Display		•	–
Safety	Obstacle detection	•	•
	Photocells	•	•
Radio transmission	RTS	•	–
	io	–	•
Backup power supply		•	•
Cycle counter		•	–(2)
Integrated signal light		•	•
Additional safeguard	Mechanical carriage lock	•	•
Stand-alone, additional external lamp		•	•
Recent fault logging		•	–(2)
90º head adjustment		•	•
Steel rail with a chain or belt		•	•
Smart technologies	Ri-Co	•	•
	smartCONNECTED Box	–	•
	TaHoma Switch	•(1)	•
Garage ventilation feature		–	•
Remote control		PULSAR transmitter four channel	Smartphone app

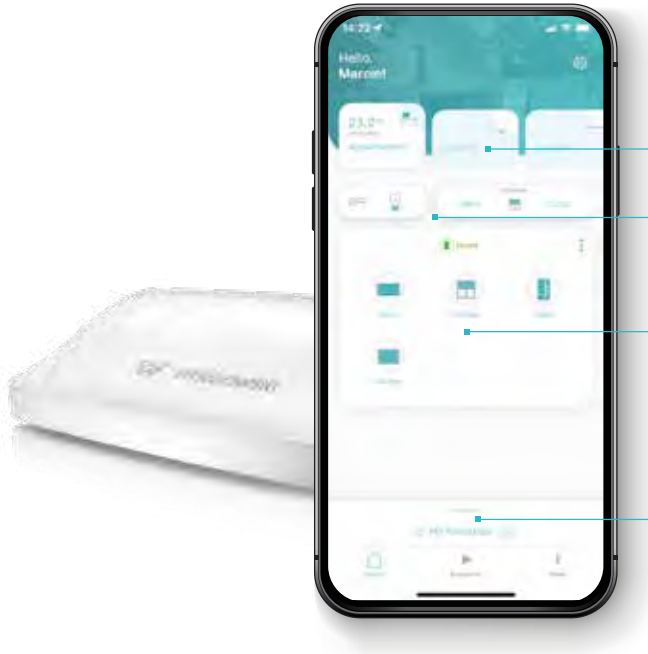
(1) Control with no feedback.
(2) Only with Set & Go

io homecontrol®

is a modern, safe, and reliable radio technology by Somfy that lets you control your devices compatible with the smart home concept. Thanks to this technology, the drive unit not only receives commands from controllers, but it can also send feedback. The io-homecontrol technology makes it possible to connect the Metro SMART io drive to the TaHoma and smartCONNECTED Box system, which provides the drive with additional functions that connect the garage door with smart devices available in your home.

TREAT YOURSELF TO COMFORT AND SAFETY

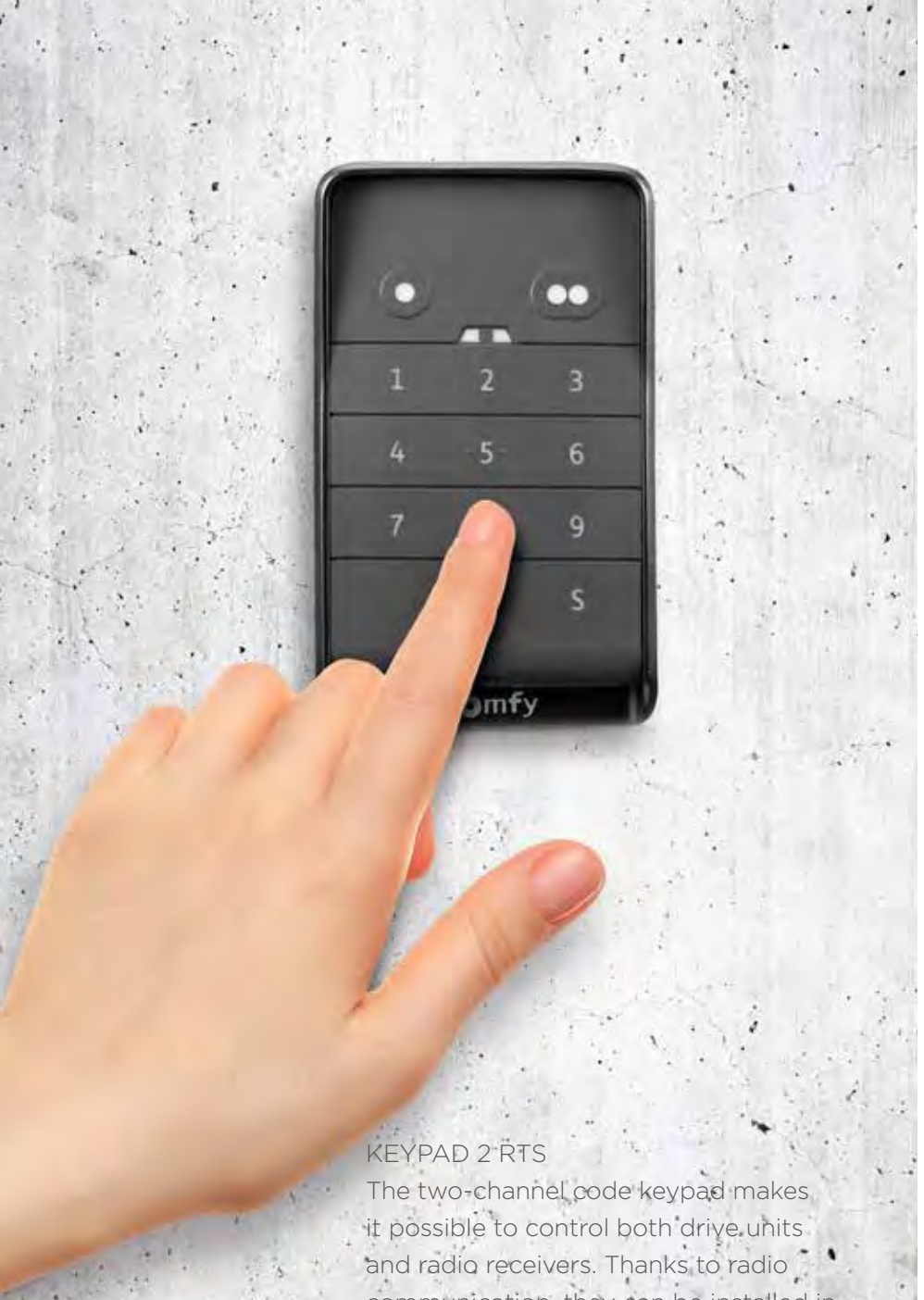
- Control your garage door, gates, windows, and doors remotely
- Open garage doors and gates without touching your remote
- Manage your home via voice assistant



The SmartCONNECTED technology brings WISNIOWSKI automatic sectional garage doors to the next level of product development, tailoring them to the requirements of increasingly demanding customers. On the one hand, it makes it possible to control the devices with a smartphone, and on the other, it gives the users full control and lets them stay in touch with their home from any place in the world. io-homecontrol® enables wireless connection of the Metro SMART io drive unit to the smart home system controlled by the WISNIOWSKI smartCONNECTED Box and Somfy TaHoma Switch central control units. Building a comprehensive smart home provides a number of benefits and additional features that enhance your comfort every single day.

AUTOMATION **ACCESSORIES**

Extra features offered by the automatic garage door equipment equal higher safety standards and more comfort.



KEYPAD 2 RTS
The two-channel code keypad makes it possible to control both drive units and radio receivers. Thanks to radio communication, they can be installed in various locations

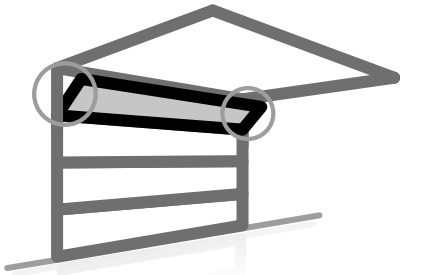
Set&Go by Somfy is a device that guides the user through all the configuration steps of the io-home control automatic operating unit. The device includes an antenna and a PC application.

KEYPAD 2 io
lets you control the io radio drives and can support up to two devices. The keypad is a flush-mounted wireless device and no cables are required for installation. The device is powered with a battery and features backlit keys.

RTS wall-mounted transmitter The three-channel transmitter lets you control both your drive units and radio receivers thanks to radio communication, they can be installed in various locations

The external radio receiver lets you control the drive units using the Pulsar transmitter. It is a two channel device where you can program as many as 16 transmitters.

The mechanical carriage lock is an additional safeguard which increases garage door safety when mounted to the carriage.



Garage ventilation feature is enabled by tilting the top panel without the need to lift the door. The bottom panel remains seated against the floor.

Warning lamp compatible with the METRO drives.

Battery backup connected to the METRO drive provides power for several cycles of emergency operation.

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

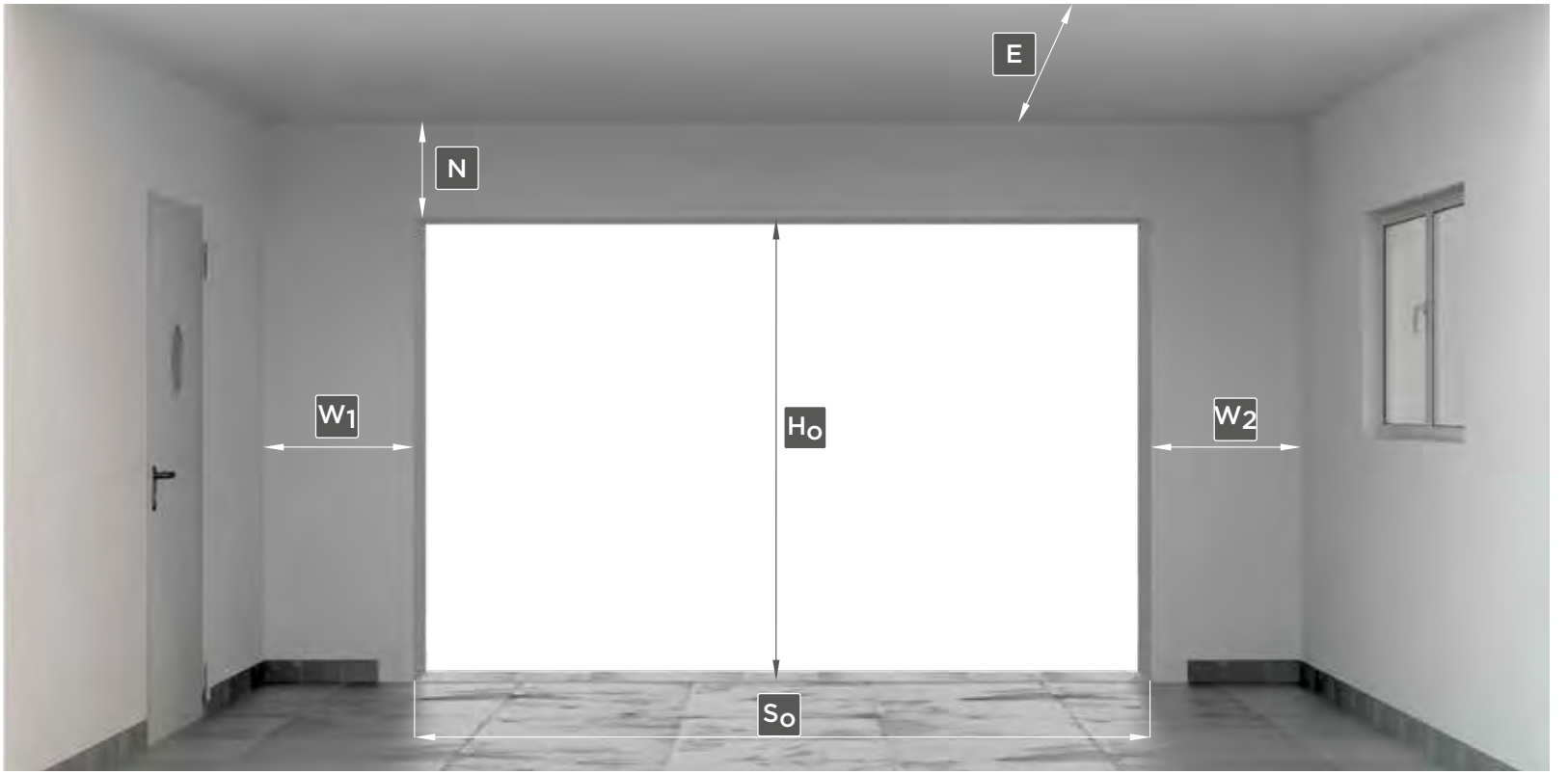
Photocells prevent uncontrolled door leaf movement when an obstacle is present within the clear passage.

INSPIRATION

UniPro | L Ribbed | HI Modern Graphite

UniPro | L Ribbed | RAL 3000 | Silkline
CREO | 345 | Sheffield Oak Light

TECHNICAL INFORMATION



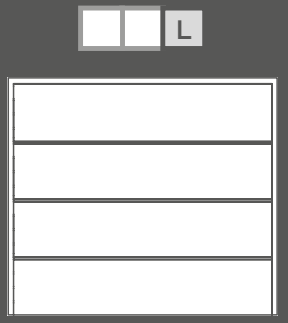
So - Opening width, ordering dimension
Ho - Opening Height, ordering dimension
N - Minimum required headroom

W1 - Minimum required side clearance
W2 - Minimum required side clearance
E - Minimum garage depth with clearance

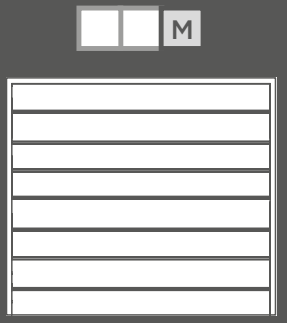
TRACK SYSTEMS

NP - Side Extension Springs
Sp - Front Mount Torsion
St - Rear Mount Torsion
SpA - Inclined Tracks Front Mount Torsion
StA - Inclined Tracks Rear Mount Torsion
HL - High Lift Tracks Front Mount Torsion

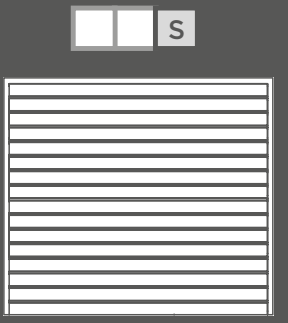
UNIPRO PANEL **DESIGNS**



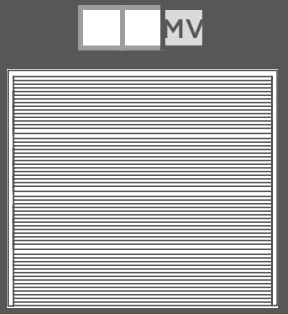
L RIBBED



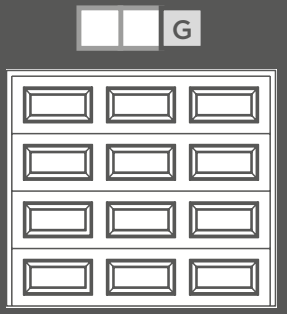
M RIBBED



S RIBBED



MICROWAVE



GEORGIAN

TECHNICAL INFORMATION
NP - SIDE EXTENSION

Minimum garage door dimensions: Extension Springs

S_O = 1,500 [mm] and H_O = 1,800 [mm] – garage doors type S

S_O = 1,500 [mm] and H_O = 1,900 [mm] – garage doors type L, M, MV

S_O = 2,230 [mm] and H_O = 1,990 [mm] – garage doors type G

$S_O \leq 1{,}750$ [mm] and $H_{O\ max}$ = 2,500 [mm], 1,750 [mm] < $S_O \leq 2{,}000$ [mm] $H_{O\ max}$ = 2,750 [mm]

Available dimensions for - **NP** - Side Extension

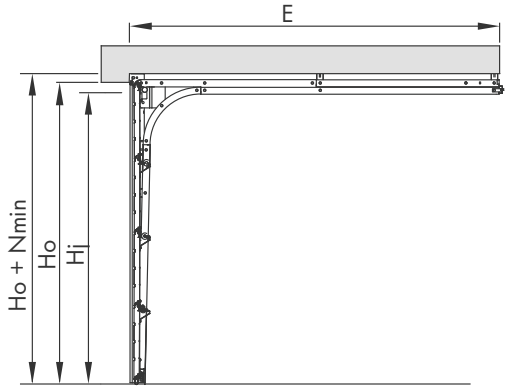
Opening height[1] (H_O) in [mm] up to	Opening width[1] (S_O) in [mm] up to														
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
2000															
2100															
2125															
2200															
2250															
2375															
2500															
2625															
2750															
2875															
3000															

– Not applicable for doors with Sandgrain and Smoothgrain Foiled Texture

[1] – Ordering dimension.

INTERNAL DIMENSIONS - **NP** - SIDE EXTENSION

NP		Side Extension Springs
Nmin	Manual	95 [mm]
	With Automation	95 [mm]
Hj	Manual + Catcher (standard)	H_O - 60 [mm]
	With Automation	H_O - 60 [mm]
W1, W2		95 [mm]
Emin	Manual	H_O + 600 [mm]
	With the METRO drive	L_S + 410 [mm]
Ls		2900mm for $H_O \leq 2250$; 3500mm for $H_O > 2250$ and $H_O \leq 2850$; 4500mm for $H_O > 2850$



Tracks type:
Side Extension Springs

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.

TECHNICAL INFORMATION
Sp - FRONT MOUNT TORSION

Minimum garage door dimensions: Front Mount Torsion

S_O = 1,500 [mm] and H_O = 1,800 [mm] – garage doors type S

S_O = 1,500 [mm] and H_O = 1,900 [mm] – garage doors type L, M, MV

S_O = 2,230 [mm] and H_O = 1,990 [mm] – garage doors type G

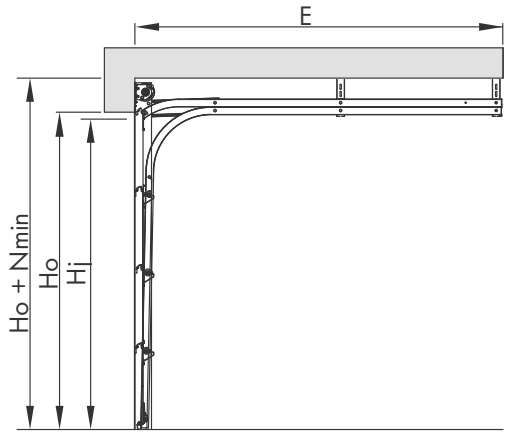
Available dimensions for - **Sp** - Front Mount Torsion

Opening height[1] (H_O) in [mm] up to	Opening width[1] (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	■	■	■	■	■	■	■	■	■								

[1] – Ordering dimension.

INTERNAL DIMENSIONS - **Sp** - FRONT MOUNT TORSION

Sp		Front Mount Torsion
Nmin		= 220mm
Hj	Manual	H_O - 160mm
	Manual + catcher	H_O - 80mm
	With a drive unit	H_O - 50mm
W1, W2		110mm
Emin	Manual	H_O + 400mm
	With the METRO drive	L_S + 410mm
Ls		2900mm for $H_O \leq 2250$; 3500mm for $H_O > 2250$ and $H_O \leq 2850$; 4500mm for $H_O > 2850$



Tracks type:
Front Mount Torsion

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.

TECHNICAL INFORMATION
St - REAR MOUNT TORSION

Minimum garage door dimensions: Rear Mount Torsion

S_O = 1,500 [mm] and H_O = 1,800 [mm] – garage doors type S

S_O = 1,500 [mm] and H_O = 1,900 [mm] – garage doors type L, M, MV

S_O = 2,230 [mm] and H_O = 1,990 [mm] – garage doors type G

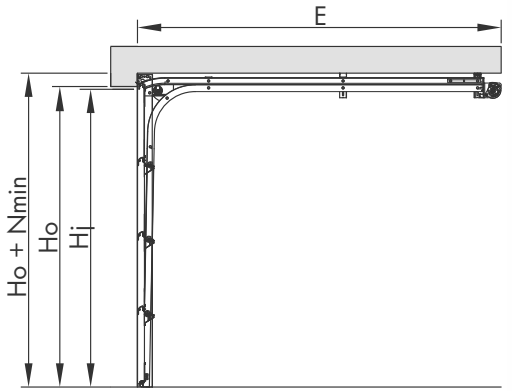
Available dimensions for - **St** - Rear Mount Torsion

Opening height(1) (H_O) in [mm] up to	Opening width(1) (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	■	■	■	■	■	■	■	■	■							

(1) – Ordering dimension.

INTERNAL DIMENSIONS - **St** - REAR MOUNT TORSION

St		Rear Mount Torsion
Nmin	Manual	100 [mm]
	With Automation	140 [mm]
Hj	Manual	H_O - 160 [mm]
	Manual + catcher	H_O - 90 [mm]
	With a drive unit	H_O - 90 [mm]
W1, W2		110 [mm]
Emin	Manual	H_O + 750 [mm]
	With the METRO drive	L_S + 410 [mm]
Ls		2900mm for $H_O \leq 2250$; 3500mm for $H_O > 2250$ and $H_O \leq 2850$; 4500mm for $H_O > 2850$



Tracks type:
Rear Mount Torsion

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.

TECHNICAL INFORMATION
SpA - INCLINED TRACKS FRONT MOUNT TORSION

Minimum garage door dimensions: Inclined Tracks Front Mount Torsion

S_O = 1,500 [mm] and H_O = 1,800 [mm] – garage doors type S

S_O = 1,500 [mm] and H_O = 1,900 [mm] – garage doors type L, M, MV

S_O = 2,230 [mm] and H_O = 1,990 [mm] – garage doors type G

Available dimensions for - **SpA**- Inclined Tracks Front Mount Torsion

Opening height(1) (H_O) in [mm] up to	Opening width(1) (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	■	■	■	■	■	■	■	■	■	■					

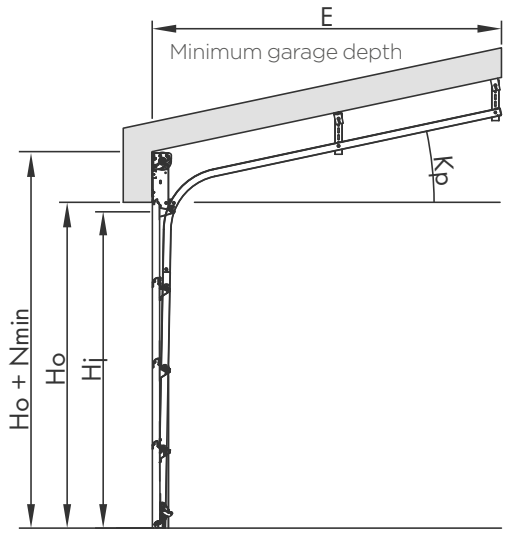
(1) – Ordering dimension.

INTERNAL DIMENSIONS - **SpA**- INCLINED TRACKS

SpA	Nmin		Hj		Sj	W1,W2
Kp	manual	automatic	manual	automatic		
Degrees [°]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
2 to 3	360	390	H_O - 50	H_O - 20	S_O - 40	110
4	350	380	H_O - 50	H_O - 20		
5 to 6	350	370	H_O - 50	H_O - 20		
7	350	360	H_O - 50	H_O - 20		
8 to 20	350	350	H_O - 50	H_O - 20		

Emin
Automatic: $E_{min}=\cos(K_P) \times E_{min}'$
Manual: $E_{min}=\cos(K_P) \times (H_O+30+450)$
H_O – opening height
E_{min}' – value from the table, depending on the automatic operating unit and H_O
Kp – inclination angle of the ceiling in relation to the floor

Drive unit	Emin'	Height H_O
METRO	3,310	0 - 2,250
	3,910	2,251 - 2,850
	4,910	2,851 - 3,150



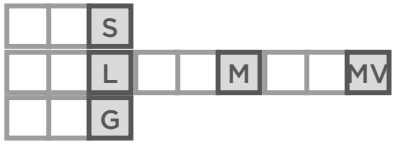
TECHNICAL INFORMATION
StA - INCLINED TRACKS REAR MOUNT TORSION

Minimum garage door dimensions: Inclined Tracks Rear Mount Torsion

S_O = 1,500 [mm] and H_O = 1,800 [mm] – garage doors type

S_O = 1,500 [mm] and H_O = 1,900 [mm] – garage doors type

S_O = 2,230 [mm] and H_O = 1,990 [mm] – garage doors type



Available dimensions for - **StA**- Inclined Tracks Rear Mount Torsion

Opening height(1) (H_O) in [mm] up to	Opening width(1) (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	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
2,625	■	■	■	■	■	■	■	■	■	■	■					

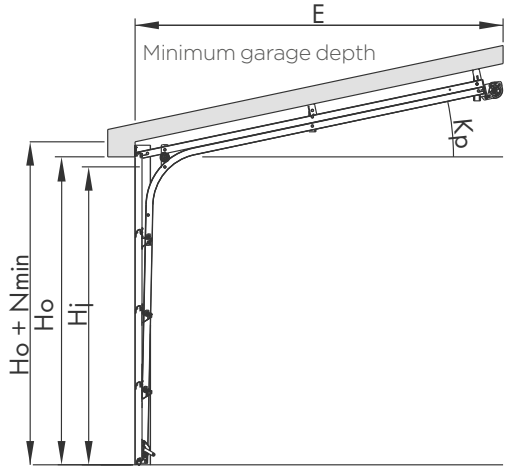
(1) – Ordering dimension.

INTERNAL DIMENSIONS - **StA**- INCLINED TRACKS

StA	Nmin		Hj			Sj	W1,W2
Kp	manual	automat-ic	manual	manual + catcher	automatic		
degrees [°]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
2	140	170	H_O - 100	H_O - 80	H_O - 70	S_O - 40	110
3	135	165	H_O - 110	H_O - 90	H_O - 70		
4	130	160	H_O - 120	H_O - 90	H_O - 70		
5	120	150	H_O - 130	H_O - 90	H_O - 70		
6	110	140	H_O - 140	H_O - 90	H_O - 70		
7	110	140	H_O - 140	H_O - 90	H_O - 70		
8	100	130	H_O - 140	-	H_O - 70		
9	100	120	H_O - 140	-	H_O - 70		
10	100	110	H_O - 140	-	H_O - 70		
11 to 20	100	100	H_O - 140	-	H_O - 60		

Drive unit	Emin'	Height H_O
METRO	3,310	0 - 2,250
	3,910	2,251 - 2,850
	4,910	2,851 - 3,150

Emin
Automatic: Emin=cos(Kp) x Emin'
Manual: Emin=cos(Kp) x (H_O+30+450)
H_O – opening height
Emin' – value from the table, depending on the automatic operating unit and H_O
Kp – inclination angle of the ceiling in relation to the floor



Tracks type:
Inclined tracks
Rear Mount Torsion

TECHNICAL INFORMATION
HL - HIGH LIFT TRACKS FRONT MOUNT TORSION

Minimum garage door dimensions: High Lift Tracks Front Mount Torsion

S_O = 1,500 [mm] and H_O = 1955 [mm] – garage doors type

S_O = 2,230 [mm] and H_O = 2,040 [mm] – garage doors type

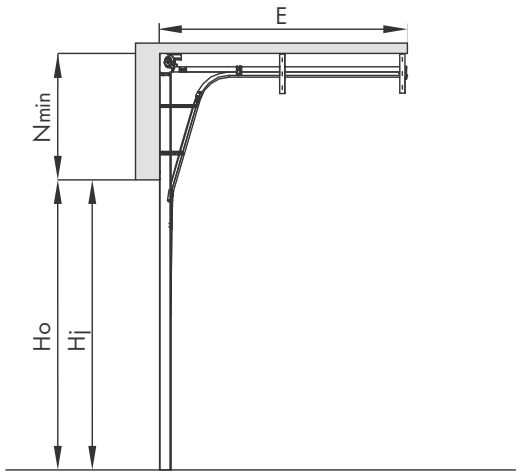
Available dimensions for - HL - High Lift Tracks Front Mount Torsion

Opening height[1] (H_O) in [mm] up to	Opening width[1] (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	■	■	■	■	■	■	■	■	■	■	■					
2,875	■	■	■	■	■	■	■	■	■	■						
3,000	■	■	■	■	■	■	■	■	■							

[1] – Ordering dimension.

INTERNAL DIMENSIONS - **HL** - HIGH LIFT TRACKS

HL		High lift torsion
Nmin	Manual	400 < N ≤ 1300
	With a drive unit	
Hj	Manual	H_O – 20 [mm]
	With a drive unit	
W1, W2		110 [mm]
Emin	Manual	H_O - 0,8 x N+645 [mm]
	With the METRO drive	3310mm for $H_O \leq 2080$; 3910mm for $2080 < H_O \leq 2680$; 4910mm for $H_O > 2680$



Tracks type:
High Lift Tracks
Front Mount

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.

Wisniowski is one of the leaders in the production of garage door systems internationally - particularly in Europe.

All production sites are equipped with the most up-to-date, high-tech equipment to efficiently produce all sectional door panels and component parts.

The quality management system meets the requirements of ISO 9001 international standard in TUV CERT system, which is confirmed by the corresponding certificates.

Wisniowski sectional doors combine security, safety, quality and style to perfectly compliment your home.

Information from DHF consumer advice;

The following information was designed by the Association of Garage Door Specialists, updated by the DHF and endorsed by all major UK garage door manufacturers, as a guide for purchasers of domestic garage doors.

A new garage door can be a significant investment that will transform the appearance of your home. This information is a guide to the quality you can expect.

The Quality Check:-

The quality check should be carried out in natural daylight, not direct sunlight. Stand at a distance of 3 metres from the door to view the overall appearance. The door is acceptable if, taking into account the facts below, none of the following are readily visible on the face of the door:

- Marks or distortion associated with the manufacturing process;
- Minor indentations, marks or scuffs on the surface;
- Paint or stain blemishes;

Steel Doors:-

Panel Distortion	The rolling or pressing of steel panels during manufacture will cause distortion in the steel and while every effort is made to keep this to a minimum, inevitably some visible distortion will remain. The application of high gloss paints will make this slight distortion more apparent, especially under certain lighting conditions, such as car headlamps, or bright sunshine.
Paint Finish	Primed doors - The primer coating is applied as a base coat only and as such requires additional finishing with a good quality exterior paint. Any marks or scratches on the primer coat should be rubbed down and repainted as part of this finishing process. Fully finished doors - the factory application of the paint finish is an automated process and this may result in minor blemishes or slight inconsistencies in the paint, particularly in the area of panel joints.

All Doors:-

Colour match	Pairs of doors should be ordered together to obtain the best colour match, bearing in mind the limitations of the materials used in construction.
Size variations	As the size of a door changes in height and/or width, the panel frequency and profile can change, therefore doors of the same style but of different sizes can be significantly different in appearance.
Clearances	All doors require operating clearances, ie the gap around the door panel or curtain. These are inbuilt during manufacture and should not be reduced by means of infills or draughtproofing.
Deflection	When in the open position, all doors will display a level of vertical deflection or ‘sag’ across the width of the panel. Individual manufacturer’s specifications should be consulted for exact tolerances.

Warranty Terms:

Wisniowski's certified quality management system ensures products are manufactured to the highest quality standard. In the unlikely event of a warranty claim deemed necessary, please contact the trade dealer, installer or distributor who supplied the product.

To enable a claim to be efficiently processed with no delay you should provide the following information:
- Name, address and contact telephone number.
- Proof of purchase and date of purchase, along with registration details.
- Product type, along with the product identification label.
- Description of the defect.

The dealer should then provide details of the claim, together with the registration certificate provided with the product and proof of purchase to JDUK Door Systems. An assessment of the claim will take place which could mean JDUK Door Systems may need to come and inspect the product/products in-situ. In the event that there is no legitimate claim under the warranty terms specified you may be liable for the costs of the visit. It is essential that you take note of the care and usage instructions provided with the door and that the instructions are followed throughout the lifetime of the product.

Warranty requirements:-
- The installation is to be performed by qualified personnel authorised by the Manufacturer or an official representative of the Manufacturer in compliance with the installation guide, information about the organisation that performed the installation, is to be specified in the registration certificate;
- The rules of operation and maintenance of the product specified in the operating manual are to be observed;
- Service maintenance is to be scheduled annually to the maintenance regulation and conducted respectively. Each planned service, maintenance activity should be logged in the Warranty card.
- Warranty repairs are carried out only when the original registration certificate is available;

Warranty periods:-
- 10 year warranty from the date of purchase covering the safe and reliable operation of the product;
- 10 year warranty covering perforating corrosion of sectional door panels, rust penetration from inside to out.
- 5 year warranty for doors in general and their separate elements, such as cables, roller brackets, rollers, torsion shaft assemblies, sealing inserts and other elements of the door product;
- 18 month warranty on paint coating, covering paint adhesion, peeling and blistering. Assessment of paint coating is carried out according to guidelines QUALICOAT an QUALISTEELCOAT.
- 5 year warranty for the Metro operator, which includes the motor; 2 year warranty on radio equipment and accessories, there is no warranty on consumables (e.g. fuses, batteries, bulbs etc.)
- 7 year warranty for the Avanti operator, which includes the motor; 2 year warranty on radio equipment and accessories, there is no warranty on consumables (e.g. fuses, batteries, bulbs etc.)

Warranty does not cover:-
- Mechanical damage due to improper transport or door installation;
- When the faults or defects are caused by external influence (fire, water, salts, acids, alkalis, mortars and sealants, force majeure and abnormal weather conditions);
- Swarf filings or other airborne particles, rusting or staining the panel which are not considered as corrosion are not covered.
- Normal wear and tear;
- Colour fade and colour deterioration;
- Doors installed within 500 meters from the coastline are excluded from the corrosion warranty;
- Unauthorized changes to the product or product design;
- Improper operation;
- When components not recommended by the Manufacturer are used for installation or repair;
- If the product number has been removed or changed;
- If the original registration certificate is not available or has been incorrectly filled out;
- If the fault is due to improper repair or service;
- Faults which are the result of failing to comply with the installation manual;
- In case of failing to operate the product in accordance with its intended purpose (e.g., when installing the garage doors in the industrial premises; when installing the door in regions with high humidity and/or corrosive environment);
- Continuous operation of a defective product;

Steel door panels:-
Minor scratches and scuffs are not covered under warranty and should be repaired immediately, to prevent corrosion and deterioration of the door panel, corrosive substances such as acids, alkalines, salts, mortars etc should be cleaned from the door panels immediately to eliminate deterioration of the finish.

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