GARAGE DOORS

WISNIOWSKI
GATES | WINDOWS | DOORS | FENCES

ROLLER DOORS
BR-77E | BR-77s

Intended use: The roller garage door is intended for use in private buildings and utility rooms. The door curtain is made of aluminium profiles filled with freon-free polyurethane foam. The curtain is rolled onto a steel winding shaft located near the lintel inside the room. Aluminium vertical tracks, powder coated. As standard, the door is fitted with an electric drive unit, an internal pushbutton switch, and an external key switch, as well as an emergency opening crank. The door is installed behind the opening as standard (inside the room); when a special version is ordered, it can also be installed in front of the opening (outside the room).

SAVES SPACE

A perfect solution for buildings where space is of essence or where ceiling tracks cannot be installed. Once the door curtain is wound on the shaft, it takes up very little space just behind the lintel. This provides free area under the ceiling and on the sides.

PROTECTION AGAINST CORROSION

The door curtain and tracks are made of aluminium, whose excellent technical parameters and resistance to weather outmatch other materials.

SAFETY

Each roller door is fitted with a safety brake. It serves as an auxiliary protective device which prevents the door curtain from inadvertently dropping.

STRUCTURE

❶ **The curtain lock** in the BR-77s and BR-77E door curtain prevents the curtain from being lifted from the outside.

❷ Safety of use is ensured by the **safety edge**. If a curtain collides with an obstacle, it retracts to an open position.

❸ **Distance brackets** ensure proper clearance between the profiles when the door curtain is wound to allow quiet operation of the door and to extend the life of the panels.

❹ Emergency opening of the door from the inside is possible thanks to the **emergency opening crank. Crank output through a wall** – if no other entrance is available to the room where the roller door is installed, an option which allows the crank to be output through the lintel to the outside of the entrance opening should be ordered. Please provide wall thickness when placing your order.

❺ **AW 77 section** is a light aluminium profile infilled with freon-free polyurethane foam.

❻ **Aluminium tracks** (without a thermal break) are fixed inside the room along the side edges of the opening. They are fitted with brush gaskets and slides.

❼ The door curtain is fitted with a **reinforced aluminium bottom profile**, which increases the rigidity of the curtain.

DOOR CURTAIN
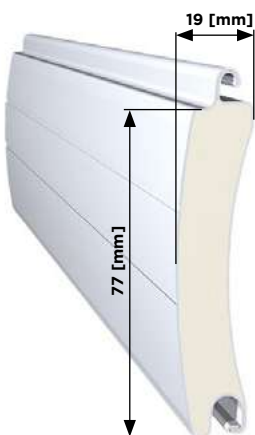
Door curtain

The door curtain is made of aluminium profiles infilled with freon-free polyurethane foam (this does not apply to the bottom profile). Our very own production line for manufacturing profiles ensures full quality control. Special design solutions, such as distance brackets installed at the ends of the profiles, which prevent door profiles from separating and prevent scratching, ensure a long life. The profiles are provided with a highly wear-resistant coating. The door curtain is fitted with a reinforced aluminium bottom profile, which provides increased rigidity of the door. A three-chamber seal is installed on the bottom profile.
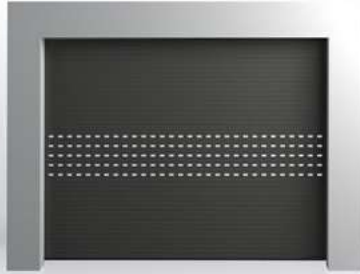
Bottom section
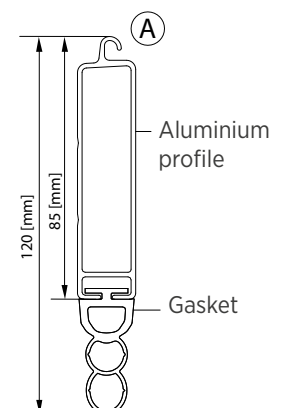
DOOR DESIGNS
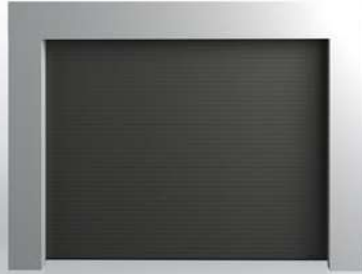
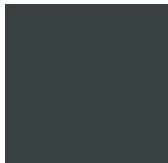BR-77s | BR-77E DOOR

BR-77s | BR-77E DOOR
(example glazing)

BR-77s | BR-77E DOOR
with a ventilated profile

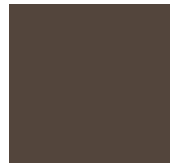# COLOURS

Standard colours of door made up of AW 77 profiles

Light Blue | RAL 5012	Graphite | RAL 7016	Pebble Grey | RAL 7040	Light brown | RAL 8014	Dark brown | RAL 8019	White | RAL 9010	Red | RAL 3003
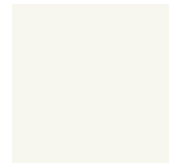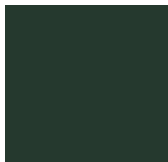
Green | RAL 6005	Fir green | RAL 6009	Silver | RAL 9006	Grey | RAL 7038	Black | RAL 9005

Wood imitating colours
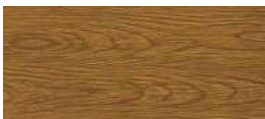
Golden Oak	Dark Oak

In response to the needs and ideas of individual customers who expect a durable, appealing, and original look, we offer a wide range of colours. This allows the customer to match the door colour to the façade, windows, and finishing elements of the building.

For our customers looking for garage doors in unique colours, we offer powder coating in over 200 RAL palette colours.

WINDING SHAFT COVER TYPES

BR-77 E ROLLER DOOR
The door is fitted with a partial winding shaft cover (front)

BR-77 s ROLLER DOOR
The door is fitted with a winding shaft cover around the circumference of the shaft.

INSTALLATION DIMENSIONS

	BR-77E	BR-77s
Sj	So	So
Hj [1]	Ho – 130 [mm]	Ho – 140 [mm]
Hj [2]	Ho – 170 [mm]	Ho – 140 [mm]
Nmin	**= 180 [mm]** for Ho = 2,100 [mm] **= 250 [mm]** for Ho = 2,250 [mm] **= 285 [mm]** for Ho ≤ 2,700 [mm]	**= 300 [mm]** for Ho ≤ 2,700 [mm] **= 370 [mm]** for Ho > 2,700 [mm] **= 370 [mm]** with a SIK drive unit
W1min, W2min	**100 [mm]**	**110 [mm] = 400 [mm]** with a SIK drive unit on the drive side
Emin	Nmin + 200 [mm]	Nmin + 200 [mm]

Tab. 1. Installation parameters – standard version

So – opening width, ordering dimension,
Sj – clear passage width after door installation,
Ho – opening height, ordering dimension,
Hj – clear passage height after door installation,
N – minimum required lintel height,
W_1 – minimum required side clearance,
W_2 – minimum required side clearance,
E – minimum room depth with clearance under the ceiling.

AVAILABLE DIMENSIONS

Opening height [1] (Ho) in [mm] up to	Opening width [1] (So) in [mm] up to																					
	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800	3,900	4,000	4,100	4,200	4,300
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3,950																					
4,050																					
4,150																					

available width range for the GFA SIK drive units for Br-77s doors

and doors with a tubular operator (standard version)

OPTIONAL ACCESSORIES

CODE LOCK

Operates the door after an individual access code is provided. Can be installed outside and inside.

PROXIMITY CARD READER

Can be controlled with proximity cards or fobs. Just place the card or fob against the reader to operate the door drive.

SIGNAL LIGHT

Warning function. Orange blinking light indicates that the door is operating.

RTS WALL-MOUNTED TRANSMITTER BY SOMFY

2-channel transmitter makes it possible to control drive units and radio receivers. The wall-mounted transmitter is a wireless device which does not require any cables.

EXTERNAL KEY SWITCH

The switch requires a key for the door to operate. Recommended where access must always be controlled.

CODE KEYPAD DIGIPAD RTS BY SOMFY

2-channel code keypad makes it possible to control drive units and radio receivers. The keypad is a wireless flush-mounted device which does not require any cables.

ROLLIXO IO CONTROL SYSTEM

The Rollixo controller makes it possible to integrate roller doors with a smart management system based on Somfy's TaHoma or Connexoon Access central control units. This opens up the possibility to use additional devices such as: remote control transmitters, code keypad, wall transmitter, and other accessories.

TRANSMITTER

Works with the radio receiver and controls the drive unit through radio waves. One remote control can operate four individual doors.

PHOTOCELLS

If an obstacle appears in the clear passage, the infrared beam is interrupted, the door stops and returns to the open position.

io CODE KEYPAD BY SOMFY

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

EXTERNAL RADIO RECEIVER BY SOMFY

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

LOCK

Makes it possible to lock the door from both sides. Deadbolts are made of steel galvanized bars connected to the lock with rods (installed inside the bottom profile).

AUTOMATIC OPERATING UNIT KITS

Automatic operating units fitted in WISNIOWSKI doors are configured for continuous reliable operation. We use only proven drive and control units that ensure the highest comfort of use and many years of operation.

Kit type	Totmann	Automatik	Totmann	Automatik
Design	Tubular operator with integrated limit switches and an emergency opening feature. Controlled with a pushbutton switch installed inside and a key switch installed outside. Mechanical brake.	Tubular operator with integrated limit switches and an emergency opening feature. Rollixo RTS central control unit with integrated up-stop-down buttons. Two remote control transmitters. Mechanical brake with a safety switch. Optical sensors with a spiral cable and box.	GfA SIK drive unit, TS 959 central control unit: up (with impulse maintenance)-stop-down (without impulse maintenance), cable with a plug 16 [A], emergency opening with a crank.	GfA SIK drive unit, TS 970 central control unit: up-stop-down (with impulse maintenance), cable with a plug 16 [A], optical sensors with a spiral cable and box, emergency opening with a crank.

Technical data	Totmann	Automatik	Totmann	Automatik
Mains	230 [V]; 50 [Hz]	230 [V]; 50-60 [Hz]	3 x 400 [V]; 50 [Hz]	3 x 400 [V]; 50 [Hz]
Motor supply	230 [V]; 50 [Hz]	230 [V]; 50 [Hz]	3 x 400 [V]; 50 [Hz]	3 x 400 [V]; 50 [Hz]
Limit switch	mechanical	mechanical	mechanical	mechanical
Central control unit	no	Rollixo RTS / Rollixo io*	TS 959	TS 970
Emergency opening	crank	crank	crank	crank
Motor power	240-400 [W]	240-400 [W]	400 [W]	400 [W]
Torque	50-120 [Nm]	50-120 [Nm]	250 [Nm]	250 [Nm]

Functionality	Totmann	Automatik	Totmann	Automatik
Obstacle detection	no	yes, optical strip	no	yes, optical strip
Automatic closing	no	yes	no	yes
Safety brake	no	yes	no	no
Protective device status information	no	yes	yes	yes
Cycle counter	no	no	yes	yes

Expandability	Totmann	Automatik	Totmann	Automatik
Signal light	no	yes / 24 [V]; 4 [W]	yes	yes
Photocells	no	yes	no	yes
External antenna	no	yes	no	no
Key switch, external	no	yes	yes	yes
Radio receiver, external	no	yes	no	yes
Chain hoist, emergency opening	no	no	yes	yes

(*) – extra charge

BR-77s

BR 77E

TECHNICAL DATA

	BR-77s, BR-77E
Curtain	Aluminium sheet profiles, polyester coating on both sides, infilled with high density PU foam g=42 kg/m^3 without HCFC
Panel height/thickness	77/19 [mm]
Duty	4 cycles/hour or 25 cycles per day (for tubular operators) 10 cycles/hour or 25 cycles per day (for SIK drive units)
Thermal transmittance factor	As provided on the door nameplate
Watertightness	class 2 in accordance with PN-EN 13241-1 section 4.4.2
Resistance to wind load	class 2 in accordance with PN-EN 13241-1 section 4.4.3
Air permeability	2 in accordance with PN-EN 13241-1 section 4.4.6
Drive type/supply type	Tubular operator 1x230 [V] or 3x400 for the SIK drive unit
Sealing	The door is sealed along the entire circumference (tracks are fitted with a double brush seal, bottom profile is fitted with a cellular EPDM gasket, brush seal in the lintel).
Safety features	Special profile shape protecting fingers from being crushed, protective device that prevents the curtain from being lifted from the outside – adjustable protective devices are installed in the BR-77s doors, while in the BR-77E and BR-100E doors the crosspiece connecting the side covers serves a protective function, safety brake preventing inadvertent falling of the door curtain, photocells (optional accessory), crank for emergency opening of the door, external or/and code lock (optional accessory), door curtain lock (optional accessory), proximity reader (optional accessory).
Optional accessories	Ventilated panel, glazed panel, lock, photocells, code lock, warning light, transmitter, magnetic card reader, wall-mounted transmitter, external key switch, Digipad RTS code keypad, io code keypad, smartphone control, Elektromat SIK drive unit
Maximum width / height of the door [mm]	4,300/4,150 [mm]
Standard colours	RAL 3003, RAL 5012, RAL 6005, RAL 6009, RAL 7016, RAL 7040, RAL 8014, RAL 8019, RAL 9005, RAL 9006, RAL 9010, RAL 7038, Golden Oak, Dark Oak
Custom colours	other RAL

CONTROL THE GARAGE DOOR WITH YOUR SMARTPHONE!

The SmartCONNECTED technology brings WISNIOWSKI automatic 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® makes it possible to wirelessly connect the Rollixo io to the smart home system controlled by one of the Somfy central control units: TaHoma® Premium or Connexoon. Building a comprehensive smart home provides a number of benefits and additional features that enhance your comfort every single day.

smart
CONNECTED

WIŚNIOWSKI