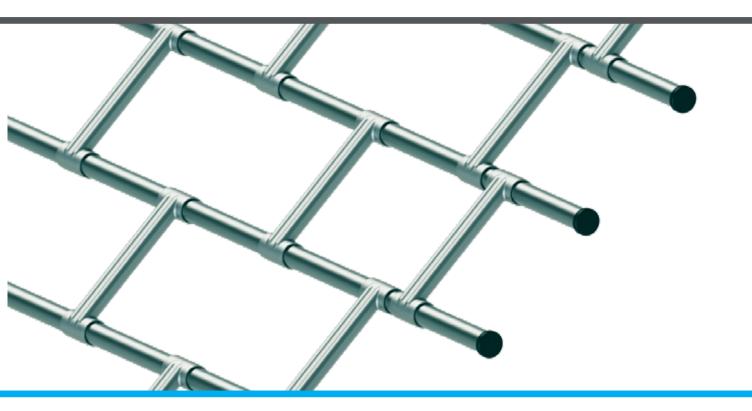


**PRODUCT DATA SHEET** R2 SCP, R2 SCG ROLLING GRILLES



## STEEL ROLLING GRILLES

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## **R2 SCP ROLLING GRILLE WITH SLIP-ON DRIVE**

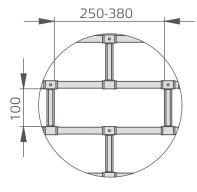
VIEW FROM INSIDE WITH INDICATED COMPONENTS

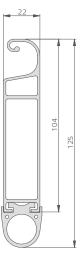


## **R2 SCP PRODUCT CHARACTERISTICS**

#### **R2 SCP – GRILLE SHELL**

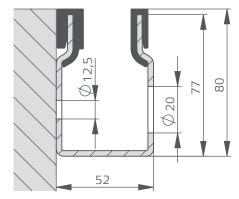
- Steel tubes with a diameter of **18 mm** and a wall thickness of **1.0 mm**, hot dip galvanized.
- Joined in a rectangular system.
- Openings with dimensions **250 380 x 100 mm**.
- Standard colour: galvanized steel (no painting option
- available).
- Weight: **9 kg/m**<sup>2</sup>.





#### BOTTOM PANEL

- Aluminium, double-walled.
- Equipped with a rubber gasket.
- Standard colour: aluminium.



#### GUIDES

- Steel with a width of **80 mm**.
- Equipped with slides made of plastic.
- Mounting holes spaced by approx. 250 400 m, with black caps.
- Standard colour: **galvanized steel**. Painting of the guides with RAL colours is available on demand and charged extra.

#### DRIVE

• **GFA** SLIP-ON DRIVE. Designed for heavily used rolling doors (R2 SCP standard).

#### ROLL

- Made of steel in grey colour.
- Mounted on galvanized fixed brackets.
- Vertical bearing.

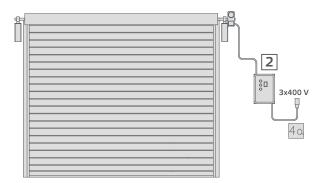
## **CONTROL TYPES FOR R2 SCP**

#### TOTMANN

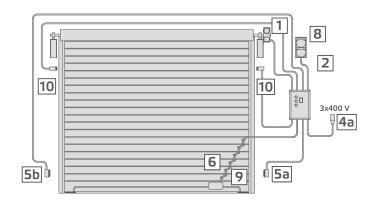
Totmann control mode with up/stop/down buttons. The user opens the rolling door by single pressing and releasing the "up" button, whereas to close the door, the user must keep the "down" button pressed until the door close.

#### IMPULS

Control in Impuls mode (optional). It is an extended central unit with multiple configuration options.



- 1 drive / motor
- 2 control central (TS 959 Totman, TS971/981 Impuls)
- **3a** two-position key switch
- **3b** two-position key switch
- 4a power supply 1m cable with CEE plug (5-pin, 16 A)
- **4b** power supply direct connection (without plug)
- 5a (optional) photocell
- 5b (optional) photocell (not available in case of photocell with reflex)



- **6** spiral cable/connection box
- 7 safety brake8 (optional) traffic lig
  - (optional) traffic light / signal lamp
- **9** optical safety edge device
- **10** (optional) shaft anti-winding protection

## **R2 SCP TECHNICAL SPECIFICATIONS**

Maximum dimension (width x height)	Dimension table 10 page (larger dimensions on request)
Profiles	Steel tubes ø18 mm, wall thickness: 1.0 mm
Shell weight	9 kg/m²
Shell colour	Galvanized steel (no painting option available)
Drives	Slip-on drive, three-phase motor: GFA 400 V
Opening speed	~0,2 m/s (the speed depends on the shaft diameter and rotational speed of the motor)
Closing speed	~0,2 m/s (the speed depends on the shaft diameter and rotational speed of the motor)
The maximum number of cycles per hour	5-10 cycles per 1 h (30 cycles per 1 h - additional option)
Wind resistance class EN 12424	_
Anti-burglary class EN 1627:2006	RC2 (charged extra)
Guarantee	2 years

## **PARAMETERS OF DRIVES FOR R2 SCP**



Slip-on drive: GFA. Designed for intensively used doors (as standard in R2 SCP)

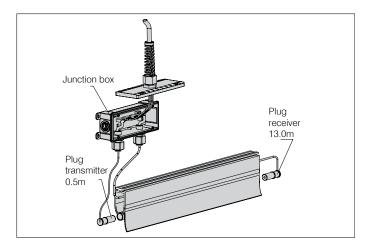
			Motor model		
Parameters	SI 14.20	SI 17.15	SI63 25.15	SI 25.15-30.00GH	SI 40.15
Torque Nm	140	170	250	250	400
Gripping torque Nm	310	420	510	635	760
Rotational speed min <sup>-1</sup>	20	15	15	15	15
Motor power kW	0,45	0,4	0,55	1,1	0,85
Voltage V	3~240/400	3~240/400	3~240/400	3~240/400	3~240/400
Frequency Hz	50	50	50	50	50
Motor operating current A	3.4/2.0	3.7/2.2	4.0/2.3	4,5	4.4/2.6
Max. number of cycles per 1h	10	10	10	30	8
Ingress protection rating IP	65	65	65	54	65
Motor weight kg	13	16	19	33	23
Diameter of the drive shaft, mm	25	30/40	30/40	30	40

		Motor	model	
Parametry	SI 55.15	SI 75.15	SI 100.10	SI 140.7
Torque Nm	550	750	1000	1400
Gripping torque Nm	1100	2800	2800	2800
Rotational speed min <sup>-1</sup>	15	15	10	7
Motor power kW	1,1	1,1	1,3	1,1
Voltage V	3~240/400	3~240/400	3~240/400	3~240/400
Frequency Hz	50	50	50	50
Motor operating current A	7.2/4.2	8.1/4.7	11.2/6.5	7.0/4.1
Max. number of cycles per 1h	8	7	6	5
Ingress protection rating IP	65	65	65	65
Motor weight kg	30	42	46	51
Diameter of the drive shaft, mm	40	55	55	55

## SAFETY DEVICES WITH , IMPULS' CONTROL

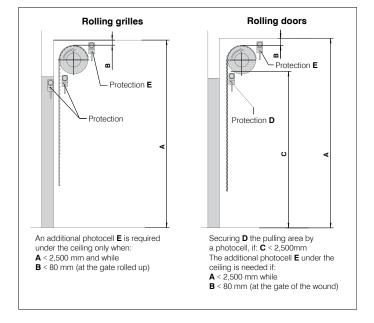
#### **OPTICAL SENSOR FOR EDGE PROTECTION**

This safety device is mounted as a standard in each rolling door and grille with automatic control (Impuls). It is active during the closing process. After detecting an obstacle, the optical edge protection generates a signal to the control panel to stop the automatic closing. The system complies with EN ISO 13849-1 standard, safety category: 2.



#### FUNCTION DESRIPTION

The photocell transmitter generates infrared beam which is recognized by a receiver included in the set. This way a dynamic signal is identified and assessed by the control system. If the signal does get to the receiver, when the beam is interrupted for instance, STOP command is immediately sent to the control panel.



	MINIMUM PROTECTION LEVELS OF THE MAIN CLOSING EDGE OF THE GATE ACCORDIG TO PN-EN 12453:2017									
	GARAGE DOORS	INDUSTRIAL DOORS								
Starting method	Trained users (non-public area) TYPE 1	Trained users (public area) TYPE 2	Non-trained users TYPE 3							
Deadman control (totmann)	A	В	Unacceptable							
Impulse control with a view of the gate	C or E	C or E	C and D, or E							
Impulse control without visibility of the gate	C or E	C and D, or E	C and D, or E							
Automatic control (unattended)	C and D, or E	C and D, or E	C and D, or E							





A – deadman control with a button.

**B** – deadman control with a key switch.



**C** - reduction of forces according to Annex A according to PN-EN 12453:2017 or by a pressure-sensitive equipment (PSPE or ESPE).

**PSPE** – pressure-sensitive protecting equipment - edge strips.

ESPE - electric-sensitive protecting equipment - edge strips. \*Amperometric force measurement -

overload sensor integrated in the motor.



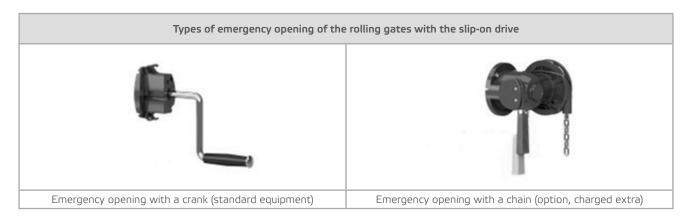
**D** - devices that detect the presence of a person or an obstacle, present on the ground on one side of the gate, e.g. photocells.

**Note!** In the case of combination C + D, it is required that the device D is periodically checked at intervals of not more than six months.



 ${\bf E}$  – presence-detecting devices, designed and installed to prevent any contact of a man with moving gate, e.g. radars, light grids.

## **EMERGENCY UNLOCKING OF R2 SCP**



## **OPTIONAL PROTECTION MEASURES OF R2 SCP**

#### **BI-DIRECTIONAL PHOTOCELL**

It sends and receives a light beam reflected by the mirror. Properly aligns the door. Mounted 500mm above the floor. The wire is provided only to the transmitting photocell. Option available in Impuls version.

#### UNIDIRECTIONAL PHOTOCELL

It sends and receives a light beam. Properly align the door. Mounted 500mm above the floor. The wire is provided to both photocells. Option available in Impuls control version.

#### **OPTICAL SENSORS FOR EDGE PROTECTION**

Two light sensors mounted in the seal of the bottom panel. When the door encounters an obstacle during the operation, the light sensors will change its movement direction. In standard "Impuls" control mode.

#### LED strips

Mounted on the bottom panel, indicate the movement of the door. May be installed inside or outside of the door. Option available in Impuls version.







### SHAFT ANTI-WINDING PROTECTION

Option available in Impuls control version.



#### SIGNAL LAMP

Informs about door movement. Orange, pulsating light. Option available in Impuls control version.

SIGNAL LIGHT

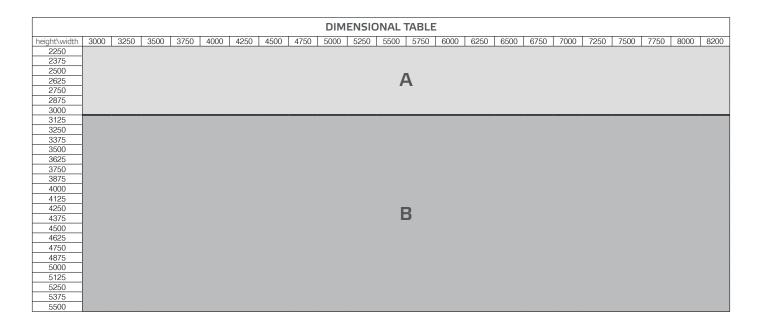
Signal lamp, two-colour: green and red. Option available in Impuls control version.

# **ACCESSORIES FOR R2 SCP ROLLING GRILLE - CHARGED EXTRA**

ACCESSORY NAME	COMMENTS
Impulse-mode operaation TS 971	Optical safety edge device, control central TS 971 with RTS receiver GFA
Impulse-mode operaation TS 971 XL	Optical safety edge device, control central TS 971 XL with RTS receiver GFA
Impulse-mode operation TS 981	Optical safety edge device, control central TS 981 - traffic steering
Shaft anti-winding protection H>2500	required 2 sets in the Impuls control version
Shaft anti-winding protection H<2500	required 3 sets in the Impuls control version
Emergency opening with hand chain	5 m chain in standard (working length 2,5 m)
Lock in the bottom panel	One-side access, microswitch included.
Powder painting of guides in RAL colours	RAL colours, excluding: pearl, metallic, fluorescent
Full profile	max 10 pcs - greater quantity available upon inquiry, profiles start at the bottom
Designed in "RC2" anti-burglary class	According to EN 1627:2011 standard; Increasing the "RC" anti-burglary class consists of adding additional security measures to the door design: strengthening its bottom panel; installing two independent locks with increased burglary resistance (2 independent locks make operation possible only from the outside; adding an extra sensor for the lock in the bottom panel to prevent door opening when the lock is in the closed position).

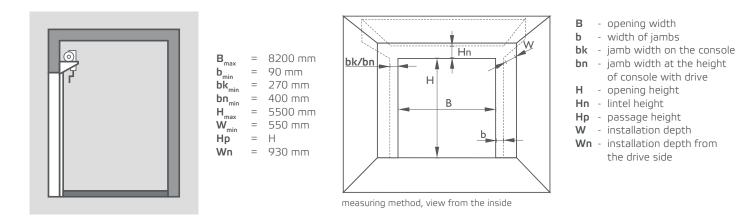


## **CONDITIONS FOR INSTALLING R2 SCP**



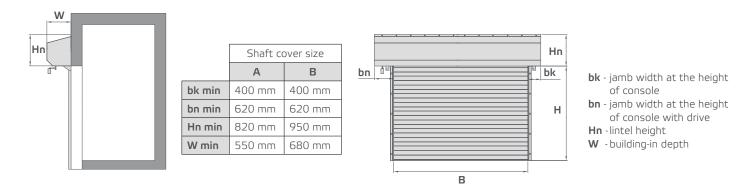
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## **CONDITIONS FOR INSTALLING R2 SCP**



## **SLIP-ON DRIVES COVER**

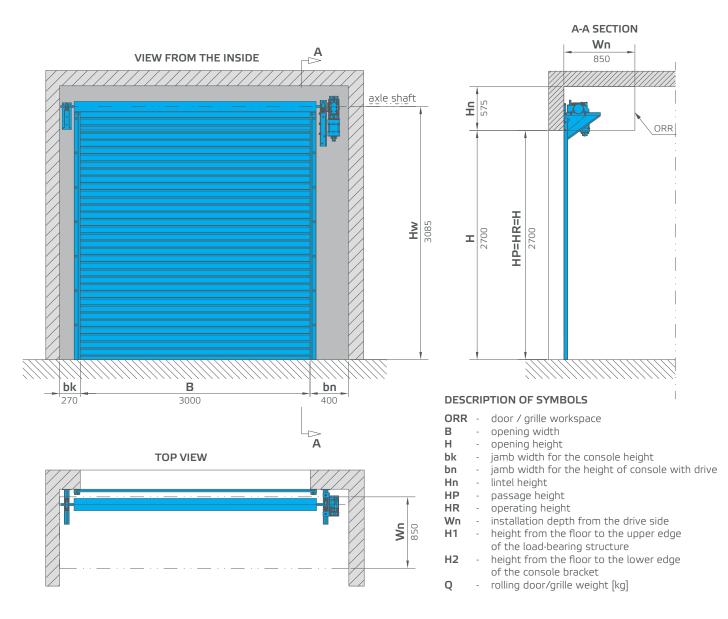
DOORS R1 SDP, R1 ADP, R1 SSP, R1 ASP I KRATY R2 SSP, R2 SCP, R2 SPP, R2 APP, R2 AMP





## **ARCHITECTURAL BASE FOR R2 SCP**

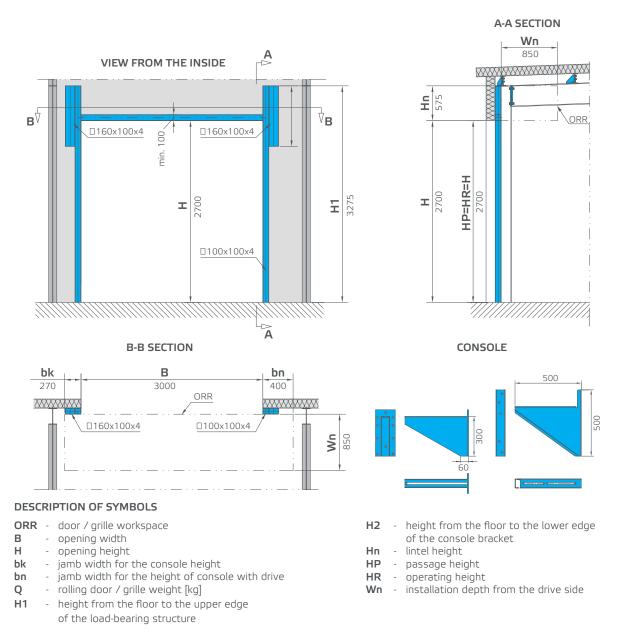
Base structure prepared for rolling door with dimensions of 3000x2700 mm, other door dimensions should be calculated analogously, selecting parameter values from the table.



			SEL	ECTION PAR	AMETERS F	OR R2 50	IP.	
			Door dimensions in the figure [mm]					
	Symbol		R2 SCP					
		В	(B ≤ 600	00)		<b>B</b> (B > 60	000)	KZ SCP
		Hn	Wn	Q [kg]	Hn	Wn	Q [kg]	B=3000
	(max. 3000)	min. 575 850		max. 420	min. 620	850	max. 845	H=2700
н	(max. 5000)	min. 630	850	max. 595	min. 680	850	max. 1270	Hn=575
	(max. 5500)	min. 650	850	max. 765	min. 700	850	max. 1370	Wn=850
	bn			mi	n. 400			bn=400
<b>bk</b> min. 270								bk=270
	HP=HR				Н			HP=HR=H
	H1		H1=3275					

## **CONSTRUCTION BASE OF R2 SCP**

Base structure prepared for rolling door with dimensions of 3000x2700 mm, other door dimensions should be calculated analogously, selecting parameter values from the table.



			SELE	CTION PARA	METERS FO	r r2 sci	Р	
				Door dimensions in the figure [mm]				
	Symbol			R2 SCP				
		В	(B ≤ 600	KZ SCP				
		Hn	Wn	Q [kg]	Hn	Wn	Q [kg]	B=3000
	(max. 3000) min. 575		850	max. 420	min. 620	850	max. 845	H=2700
н	(max. 5000)	min. 630	850	max. 595	min. 680	850	max. 1270	Hn=575
	(max. 5500)	min. 650	850	max. 765	min. 700	850	max. 1370	Wn=850
	bn			min	. 400			bn=400
	bk			min	. 270		1	bk=270
	HP=HR				Н			HP=HR=H
	H1			H1=3275				
	H2			Н -	400			H2=2300

## **R2 SCP ROLLING GRILLE WITH SIDE TUBULAR DRIVE**

VIEW FROM INSIDE WITH INDICATED COMPONENTS

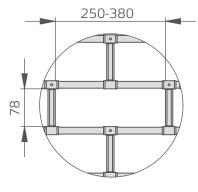


14 PRODUCT DATA SHEET R2 SCP, R2 SCG ROLLING GRILLES

## **R2 SCP PRODUCT CHARACTERISTICS**

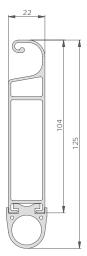
#### **R2 SCP – GRILLE SHELL**

- Steel tubes with a diameter of **18 mm** and a wall thickness of **1.0 mm**, hot dip galvanized.
- Joined in a rectangular system.
- Openings with dimensions **250 380 x 78 mm**.
- Standard colour: galvanized steel (no painting option
- available).
- Weight: **9 kg/m**<sup>2</sup>.



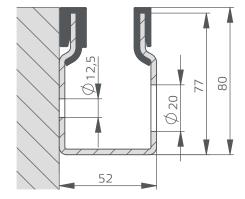
### BOTTOM PANEL

- Aluminium, double-walled.
- Equipped with a rubber gasket.
- Standard colour: aluminium.



#### GUIDES

- Steel with a width of **80 mm**.
- Equipped with slides made of plastic.
- Mounting holes spaced by approx. 250 400 mm, with black caps.
- Standard colour: galvanized steel. Painting of the guides with RAL colours is available on demand and charged extra.



#### DRIVE

• Tubular motor. Considerably reduces required installation space.

#### ROLL

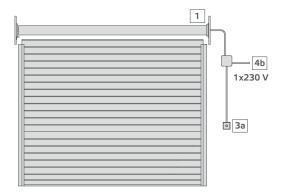
- Made of steel in grey colour.
- Mounted on galvanized fixed brackets.
- Vertical bearing.

## **CONTROL TYPES FOR R2 SCP**

SIDE TUBULAR DRIVE

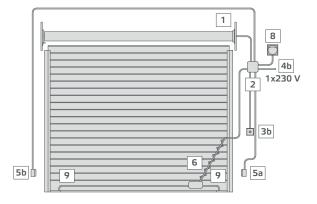
#### TOTMANN

Totmann control mode is operated with a key switch. The door is opened by turning the key in the adequate direction.



#### IMPULS

Control in Impuls mode (optional). It is an extended central unit with multiple configuration options.



- 1 gear-motor
- **2** control unit (Rollixo Optimo Impuls)
- **3a** surface-mounted, two-position key switch
- **3b** surface-mounted, single-position key switch
- **4b** power supply 230 V
- 5a photocell (optional)
- **5b** photocell (optional) (not present in case of the photocell with reflector)
- **6** spiral cable/junction box
- 8 signal/warning lamp (optional)
- 9 optical sensors for edge protection

## **R2 SCP TECHNICAL SPECIFICATIONS**

SIDE TUBULAR DRIVE

Maximum dimensions (width x height)	Dimension table 19 page
Shell material	Steel
Panel thickness	ø18 mm, thickness 1,0 mm
Shell weight	9 kg/m²
Shell colour	Standard color: galvanized steel (no possibility of varnishing)
Drives	Side tubular drive 230 V
Opening speed	~0,12 m/s (the speed depends on the shaft diameter and rotational speed of the motor)
Closing speed	~0,12 m/s (the speed depends on the shaft diameter and rotational speed of the motor)
The maximum number of cycles per day	10 cycles per day (maximum time of continuous motor operation: 4 min)
Wind resistance class EN 12424	-
Anti-burglary class EN 1627:2011	RC3 (charged extra)
Guarantee	2 years

## **PARAMETERS OF SIDE TUBULAR DRIVES FOR R2 SCP ROLLING GRILLES**

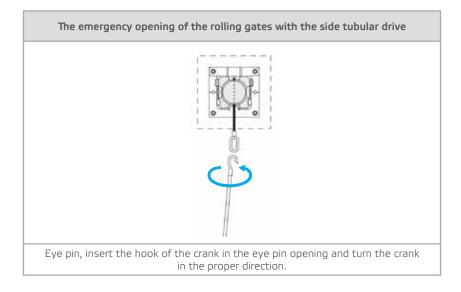


Side tubular drive (optional for R2 SCP rolling door, no extra charge). Considerably reduces required installation space.

Standard Bar		Motor	model	
Parameters	T8S DMI 150	T8S DMI 200	T8S DMI 250	T8S DMI 300
Torque Nm	150	200	250	300
Max. number of revolutions in one direc- tion	17	17	17	17
Rotational speed min <sup>-1</sup>	8	8	8	8
Max. shell weight - kg	156	208	259	311
Motor power kW	450	710	710	855
Voltage V	230	230	230	230
Frequency Hz	50	50	50	50
Control voltage V	230	230	230	230
Motor operating current A	2	2,5	3,2	3,9
Ingress protection rating IP	44	44	44	44
Ambient operational temperature range °C	-20/+60	-20/+60	-20/+60	-20/+60
Motor weight kg	11	12,5	13	13,5
Diameter of the drive shaft, mm	133	133	133	133

## **EMERGENCY UNLOCKING OF R2 SCP**

SIDE TUBULAR DRIVE



## **OPTIONAL PROTECTION MEASURES OF R2 SCP**

SIDE TUBULAR DRIVE

#### **BI-DIRECTIONAL PHOTOCELL**

It sends and receives a light beam reflected by the mirror. Properly aligns the door. Mounted 500mm above the floor. The wire is provided only to the transmitting photocell. Option available in Impuls version.



#### UNIDIRECTIONAL PHOTOCELL

It sends and receives a light beam. Properly align the door. Mounted 500mm above the floor. The wire is provided to both photocells. Option available in Impuls control version.

#### **OPTICAL SENSORS FOR EDGE PROTECTION**

Two light sensors mounted in the seal of the bottom panel. When the door encounters an obstacle during the operation the light sensors will change its movement direction. In standard "Impuls" control mode.

### SHAFT ANTI-WINDING PROTECTION

Option available in Impuls control version.

#### SIGNAL LAMP

Informs about door movement. Orange, pulsating light. Option available in Impuls control version.

## ACCESSORIES FOR R2 SCP GRILLE - CHARGED EXTRA

SIDE TUBULAR DRIVE

ACCESSORY NAME	COMMENTS
Control in Impuls mode	Somfy ROLLIXO OPTIMO panel with built-in RTS receiver, optical safety edge device, 5 m cable
Shaft anti-winding protection H>2500	required 2 sets in the Impuls control version
Shaft anti-winding protection H<2500	required 3 sets in the Impuls control version
Lock in the bottom panel	One-side access, microswitch included.
powder painting of guides in a RAL colour	RAL colours, excluding: pearl, metallic, fluorescent
Full profile	max 10 pcs - greater quantity available upon inquiry, profiles start at the bottom
Designed in "RC2" anti-burglary class	According to EN 1627:2011 standard; Increasing the "RC" anti-burglary class consists of adding additional security measures to the door design: strengthening its bottom panel; installing two independent locks with increased burglary resistance (2 independent locks make operation possible only from the outside; adding an extra sensor for the lock in the bottom panel to prevent door opening when the lock is in the closed position).



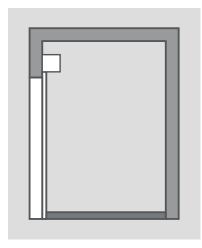




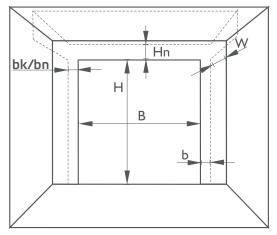
## **CONDITIONS FOR INSTALLING R2 SCP**

SIDE TUBULAR DRIVE

	DIMENSIONAL TABLE												
height\width	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
2250													
2375													
2500													
2625													
2750													
2875													
3000					_								
3125					Α								
3250													
3375													
3500													
3625													
3750												-	
3875													
4000													



B <sub>max</sub>	= 6000 mm
b	= 90 mm
bn/bk <sub>min</sub>	= 140 mm
H <sub>max</sub>	= 4000 mm
W <sub>min</sub>	= 330 / 400 mm
Нр	= H
Hn min	= 500 / 570 mm



measuring method, view from the inside

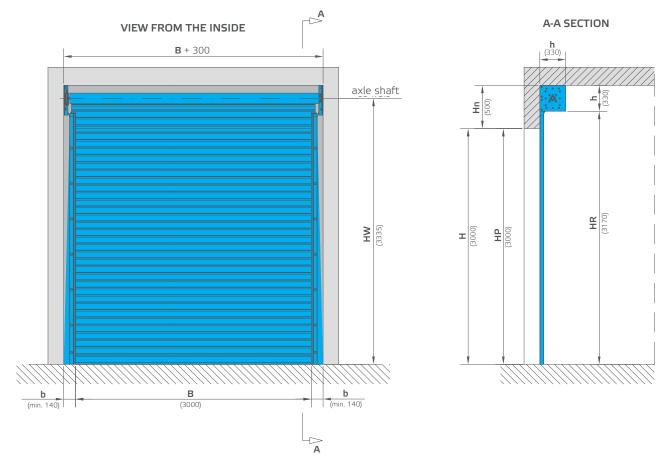
- **B** opening width
- **b** width of jambs **bn** - jamb width at the height of console with drive
- H opening heightHn lintel height

- Hp passage heightW installation depth
- $\boldsymbol{\mathsf{Wn}}$  installation depth from the drive side

## **ARCHITECTURAL BASE FOR R2 SCP**

SIDE TUBULAR DRIVE

Base structure prepared for rolling door with dimensions of 3000x3000 mm, other door dimensions should be calculated analogously, selecting parameter values from the table.



#### **DESCRIPTION OF SYMBOLS**

- **ORR** door / grille workspace
- opening width В
- Н - opening height
- b - width of jambs
- jamb width for the height of console with drive bn
- height of the side board h
- Ηn - lintel height
- HP - passage height

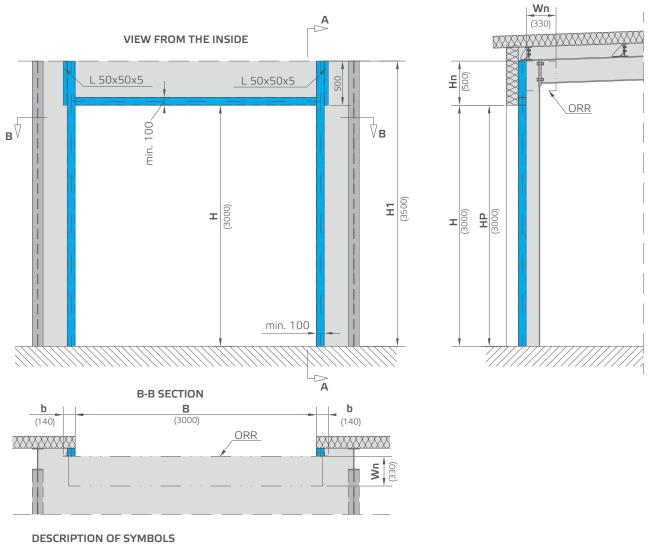
- HR operating heightHW height from the floor to the shaft axis
- Wn installation depth from the drive side
- Q rolling door / grille weight [kg]

Symbol	Outline dimensions [mm]	Door dimensions in the figure [mm]
В	6000	3000
н	4000	3000
Hn	500	500
Q	max. 300 [kg]	260 [kg]
b	min. 140	140
Wn	330	330
HP	Н	3000
HR	H+170	3170
HW	H+335	3335
H1	H+hn	3500

## **CONSTRUCTION BASE OF R2 SCP**

SIDE TUBULAR DRIVE

Base structure prepared for rolling door with dimensions of 3000x3000 mm, other door dimensions should be calculated analogously, selecting parameter values from the table. A-A SECTION



- **ORR** door / grille workspace
- opening widthopening height В
- н
- b - width of jambs
- jamb width for the height of console with drive bn
- height of the side board h

Ηn - lintel height

HP - passage height

- HR operating height
- HW - height from the floor to the shaft axis
- installation depth from the drive side Wn
- Q - rolling door / grille weight [kg]

Symbol	Outline dimensions [mm]	Door dimensions in the figure [mm]
В	6000	3000
н	4000	3000
Hn	500	500
Q	max. 300 [kg]	260 [kg]
b	min. 140	140
Wn	330	330
HP	Н	3000
HR	H+170	3170
HW	H+335	3335
H1	H+hn	3500

## **R2 SCG ROLLING GRILLE WITH SPRING MECHANISM**

VIEW FROM INSIDE WITH INDICATED COMPONENTS



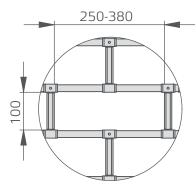


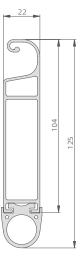
\*OPTIONAL

## **R2 SCG PRODUCT CHARACTERISTICS**

#### R2 SCP – GRILLE SHELL

- Steel tubes with a diameter of 18 mm and a wall thickness of 1.0 mm, hot dip galvanized.
- Joined in a rectangular system.
- Openings with dimensions 250 380 x 100 mm.
- Standard colour: galvanized steel (no painting option available).
- Weight: 9 kg/m<sup>2</sup>.



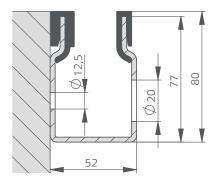


#### **BOTTOM PANEL** Aluminium, double-walled.

- Equipped with a rubber gasket.
- Standard colour: aluminium.

#### GUIDES

- Steel with a width of **80 mm**.
- Equipped with slides made of plastic.
- Mounting holes spaced by approx. 250 400 mm, with black caps.
- Standard colour: **galvanized steel**. Painting of the guides with RAL colours is available on demand and charged extra.



#### DRIVE

• Spring mechanism in the rolling grilles of **R2 SCG** type, without motor in the standard version - the springs act as a counterweight. Opening and closing is carried out manually. A central motor may be installed on the shaft (optional).

#### ROLL

- Made of steel in grey colour.
- Mounted on galvanized fixed brackets.
- Vertical bearing.

## **CONTROL TYPES FOR R2 SCG**

## (APPLIES TO THE VERSION WITH THE MOTOR DRIVE)

#### TOTMANN

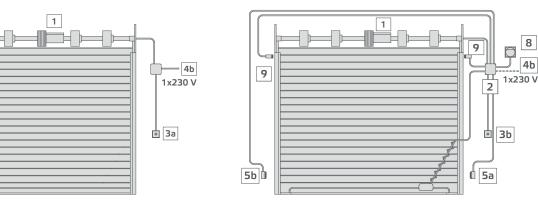
Totmann control mode is operated with a key switch. The grille is opened by turning the key in the adequate direction.

#### IMPULS

Control in Impuls mode (optional). It is an extended central unit with multiple configuration options.

8

4b



- 1 gear-motor
- 2 control unit (Rollixo Optimo Impuls)
- 3a surface-mounted, two-position key switch
- Зb surface-mounted, single-position key switch
- 4b - power supply – 230 V
- **5**a - photocell (optional)
- -5b photocell (optional) (not present in case of the photocell with reflector)
- -6 spiral cable / junction box
- 7 optical sensors for edge protection
- 8 signal/warning lamp (optional)
- 9 shaft anti-winding protection (mounted only in grilles) -

## **R2 SCG TECHNICAL SPECIFICATIONS**

WITH SPRING MECHANISM (PLANETARY MOTOR - OPTIONAL)

Maximum dimension (width x height)	Dimension table 27 page	
Profiles	Steel tubes ø18 mm, wall thickness: 1.0 mm	
Shell weight	9 kg/m <sup>2</sup>	
Shell colour	Galvanized steel (no powder painting option available)	
Drive	Spring mechanism providing a counterweight for the shell, planetary motor 230 V on the shaft (charged extra)	
Opening speed	${\sim}0,14$ m/s (the speed depends on the shaft diameter and rotational speed of the motor)	
Closing speed	~0,14 m/s (the speed depends on the shaft diameter and rotational speed of the motor)	
The maximum number of cycles per day	10 cycles per day	
Wind resistance class EN 12424	-	
Anti-burglary class EN 1627:2006	RC2 (charged extra)	
Guarantee	2 years	

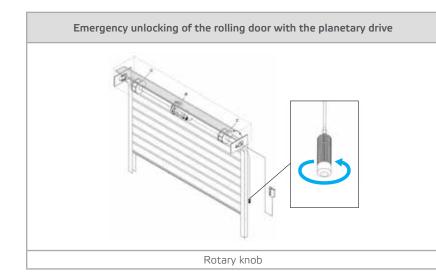
## **PARAMETERS OF DRIVES FOR R2 SCG ROLLING GRILLES**



Planetary motor, installed in the middle of the shaft in doors with tape-spring mechanism R2 SCG

Tricent"					
ANT CO.	Motor model				
Parameters	Centris L	Centris XL			
Rotational speed min <sup>-1</sup>	10	10			
Max. shell weight - kg	160	140			
Torque Nm	100	200			
Motor power W	360	450			
Voltage V	230	230			
Frequency Hz	50	50			
Control voltage V	230	230			
Motor operating current A	1,6	2,0			
The maximum area of the rolling door m <sup>2</sup>	20	20			
Shaft diameter mm	60	76			
The outer diameter of the motor mm	220	240			
Ingress protection rating IP	X4	X4			
Ambient operational temperature range °C	-20/+60	-20/+60			
Motor weight kg	6,8	7			

## **EMERGENCY UNLOCKING OF R2 SCG**





## **OPTIONAL PROTECTION MEASURES OF R2 SCG**

#### UNIDIRECTIONAL PHOTOCELL

Properly align the door. Mounted 500mm above the floor. Wiring is provided to both photocells.



#### SURFACE-MOUNTED UNIDIRECTIONAL PHOTOCELLS

Properly align the door. Mounted 500mm above the floor. Wiring is provided to both photocells.

#### **OPTICAL SENSORS FOR EDGE PROTECTION**

Two light sensors mounted in the seal of the bottom panel. When the door encounters an obstacle during the operation, the light sensors will change its movement direction. In standard "Impuls" control mode.

#### SHAFT ANTI-WINDING PROTECTION

Option available in Impuls control version.

SIGNAL LAMP

Informs about door movement. Orange, pulsating light. Option available in Impuls control version.

## **ACCESSORIES FOR R2 SCG ROLLING GRILLE - CHARGED EXTRA**

NAZWA DODATKU	COMMENTS
Electric drive (1x230V) with Totmann control mode	Two-position key switch (surface-mounted), 5 m cable, lock micro-switch.
Electric drive (1x230V) with "Impuls" control mode	Somfy ROLLIXO OPTIMO control unit with built-in RTS receiver, optical sensors for edge protection, single-position key switch (surface-mounted), 5 m cable, lock micro-switch.
Shaft anti-winding protection H>2500	required 2 sets in the Impuls control version
Shaft anti-winding protection H<2500	required 3 sets in the Impuls control version
Powder painting of guides in RAL colours	RAL colours, excluding: pearl, metallic, fluorescent
Full profile	max 10 pcs - greater quantity available upon inquiry, profiles start at the bottom
Designed in "RC2" anti-burglary class	According to EN 1627:2011 standard; Increasing the "RC" anti-burglary class consists of adding additional security measures to the door design: strengthening its bottom panel; installing two independent locks with increased burglary resistance (2 indepen- dent locks make operation possible only from the outside; adding an extra sensor for the lock in the bottom panel to prevent door opening when the lock is in the closed position).



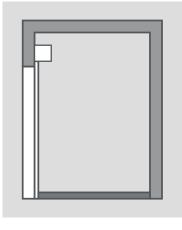




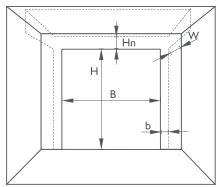


## **CONDITIONS FOR INSTALLING R2 SCG**

	DIMENSIONAL TABLE													
side board (h)	height\width	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500
	1500													
	1625													
340	1750													
	1875													
	2000													
	2125													
	2250													
	2375													
370	2500													
570	2625													
	2750													
	2875													
	3000													
	3125													
	3250													
	3375													
400	3500													
-100	3625													
	3750													
	3875													
	4000													



<b>B</b> <sub>max</sub>	=	4500 mm
b	=	100 mm
Hn <sub>min</sub>	=	h + 100 mm
W	=	h
Нр	=	H - 120 mm
$H_{max}$	=	4000 mm



measuring method, view from the inside

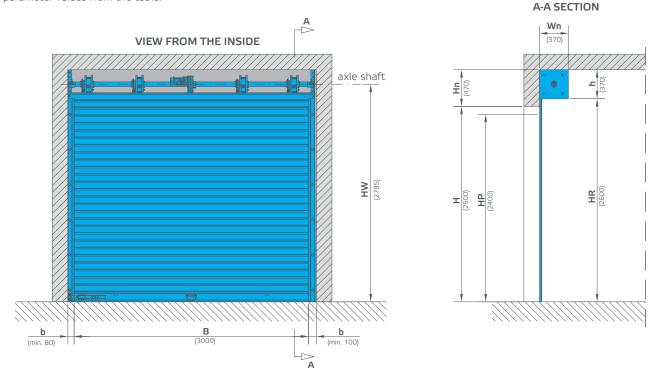
- B opening width
  b width of jambs
  H opening height

- Hn lintel height

- Hp passage height
  W installation depth
  h height of the side board (see table)
- Wn installation depth from the drive side

## **ARCHITECTURAL BASE FOR R2 SCG**

Base structure prepared for rolling door with dimensions of 3000x2500 mm, other door dimensions should be calculated analogously, selecting parameter values from the table.



# Size range for R2 SCG and height values ("h'') for the side board.

HB	max. 4500				
max. 1500	h=240 mm				
max. 2000	h=340 mm				
max. 2500	1 770				
max. 3000	h=370 mm				
max. 3500	h=400 mm				
max. 4000	1-400 1111				

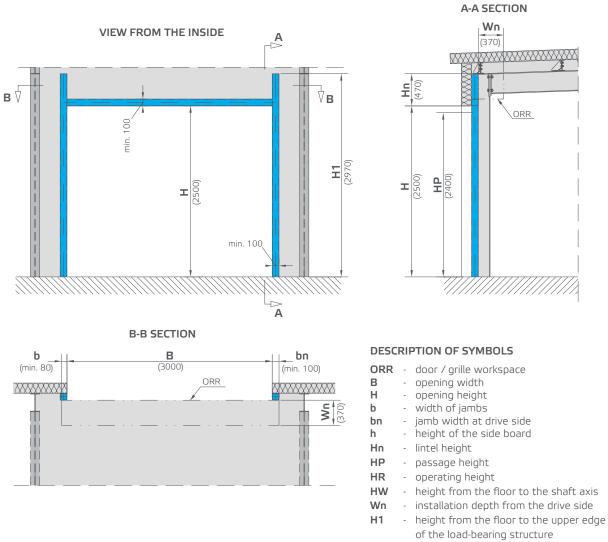
#### **DESCRIPTION OF SYMBOLS**

- **ORR** door / grille workspace
- B opening width
- H opening height
- **b** width of jambs
- **bn** jamb width for the height of console with drive
- **h** height of the side board
- Hn lintel height
- **HP** passage height
- HR operating height
- HW height from the floor to the shaft axis
- Wn installation depth from the drive side
- **Q** rolling door / grille weight [kg]

Symbol	Outline dimensions [mm]	Door dimensions in the figure [mm]
В	max. 4500	3000
Н	max. 4000	2500
Hn	min. h+100	470
Q	max. 350 [kg]	260 [kg]
b	min. 80	80
bn	min. 100	100
Wn	h	370
HP	H-100	2400
HR	H+100	2600
HW	H+100+h/2	2785
H1	H+h+100	2970

## **CONSTRUCTION BASE OF R2 SCG**

Base structure prepared for rolling door with dimensions of 3000x2500 mm, other door dimensions should be calculated analogously, selecting parameter values from the table.



Q -	rolling	door/grille	weight	[kg]
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Symbol	Outline dimensions [mm]	Door dimensions in the figure [mm]
В	max. 4500	3000
Н	max. 4000	2500
Hn	min. h+100	470
Q	max. 350 [kg]	260 [kg]
b	min. 80	80
bn	min. 100	100
Wn	h	370
HP	H-100	2400
HR	H+100	2600
HW	H+100+h/2	2785
H1	H+h+100	2970

A	CCESSORIES FOR CO	ONTROL SYSTEM	slip-or	a drive		ular	syster	ring n with tor	tub moto cas	
article	name	remarks	TOTMANN	IMPULS	TOTMANN	IMPULS	TOTMANN	IMPULS	TOTMANN	IMPULS
KON.GF.001	control panel up/stop/down	without cable, IP 65	✓	~						
KON.GF.004	control panel up/stop/down, 2 keys	without cable, IP 65	~	~						
XPRE.GF.001	lintel switch (pull-switch) with 2,5 m chain	without cable, IP 65		~		~		~		~
XPRE.PL.006	one-position key switch, under-plaster	without cable, IP 54, 3 keys		~		~		~		~
XPRE.PL.005	one-position key switch, on-plaster	without cable, IP 54, 3 keys		~		~		~		~
XPRE.PL.003	two-position key switch, under-plaster	without cable, IP 54, 3 keys	~	~	<ul> <li>✓</li> </ul>		~		~	
XPRE.PL.001	two-position key switch, on-plaster	without cable, IP 54, 3 keys	~	~	~		~		~	
KAL.EK.002	4-wire cable with ends, 5 m	used for control panel or key/lintel switch	1	~	~	~	~	~	~	~
KAL.EK.003	4-wire cable with ends, 9 m	used for control panel or key/lintel switch	~	~	~	~	~	~	~	~
FOT.GF.001	photocell with reflex	_		~		~		~		~
FOT.GF.002	photocells, one-way	-		~		~		~		~
ODR.NI.009	2-channel receive SMX2R, universal FLOR	for max 256 transmitters		~		~		~		~
NAD.NI.012	4-channel transmitter RT20	_		~		~		~		~
NAD.GF.001	1-channel transmitter midi	_		~		~		~		~
NAD.GF.002	2-channel transmitter midi	_		~		~		~		~
NAD.GF.006	4-channel transmitter	-		~		~		~		~
LAS.PM.001	signal lamp with a handle			~		~		~		~
LAS.NI.012	signal lamp LED ERA 12/24V			~		~		~		~
LAS.NI.013	signal lamp LED ERA 230V			~		~		~		~
LAS.GF.001	signal lamp LED - red 230V	IP 65		~		~		~		~
LAS.GF.002	signal lamp LED - green 230V	IP 65		~		~		~		~
LAS.GF.003	signal lamp red/green LED	IP 65		~						
RAD.BF.001	radar motion detector	distinguishes between persons and vehicles, direction detection, suppression of crossing traffic, setting of field size, IP 65		~						
XLAK.PL.002	bell-type button switch, under-plaster	without cable, IP 54		~		~		~		~
AWR.PA.001	emergency drive release with integrated key switch	used for rolling doors and grilles with spring system and electric drive, 2 keys					~	~		
FOT.KK.001	photocells, one-way Krispol	without cable		~		~		~		~
FOT.SM.001	photocells, one-way	for control central Somfy ROLLIXO OPTIMO, without cable				~		~		~
NAD.SM.013	2-channel transmitter Keytis 2NS	for control central Somfy ROLLIXO OPTIMO				1		~		~
NAD.SM.014	3-channel transmitter Keytis 4NS	for control central Somfy ROLLIXO OPTIMO				~		~		~
NAD.SM.015	4-channel transmitter Keygo	for control central Somfy ROLLIXO OPTIMO				~		~		~
MOD.WI.001	AOS 6230 processing unit security for TWIN-PRO			~		~		~		~
ZAB.WI.004	pull-in protection TWIN-PRO			~		~		~		~
	1 x LED strips 530 mm	mounted inside/outside on the bottom slat		~		<ul> <li>✓</li> </ul>		~		✓
	2 x LED strips 530 mm	mounted inside/outside on the bottom slat, max 2 parts on side		~		~		~		~
	4 x LED strips 530 mm	mounted inside/outside on the bottom slat, max 2 parts on side		~		~		~		~
KON.AH.002	reed overrun	-	~	~	~	~	~	~	~	~
STI.GF.001	plug connector (Stick)	service device, facilitating diagnostics and reviews of GfA controllers		<ul> <li>✓</li> </ul>		<ul> <li>✓</li> </ul>		~		~



bell-type button switch, under-plaster XLAK.PL.002



control panel up/stop/down KON.GF.001



one-position key switch, under-plaster XPRE.PL.006 / XPRE.PL.005



two-position key switch, under-plaster XPRE.PL.003 / XPRE.PL.001



emergency drive release with integrated key switch AWR.PA.001



reed overrun KON.AH.002



4-channel transmitter FLO4RE NAD.NI.012



2-channel transmitter Keytis 2NS NAD.SM.013

4-channel transmitter Keygo

NAD.SM.015



1-channel transmitter midi NAD.GF.001

Ø

2-channel transmitter midi NAD.GF.002



4-channel transmitter NAD.GF.006



2-channel receive SMX2R, universal FLOR ODR.NI.009



photocells, one-way FOT.SM.001



FOT.KK.001



photocell with refl ex

FOT.GF.001



photocells, one-way FOT.GF.002



radar motion detector RAD.BF.001



plug connector (Stick) STI.GF.001



LED strip 530 mm



signal lamp with a handle LAS.PM.001



signal lamp LED ERA LAS.NI.012 / LAS.NI.013



signal lamp, green/red LED LAS.GF.003



pull-in protection TWIN-PRO ZAB.WI.004



AOS 6230 safety processing unit for TWIN-PRO MOD.WI.001







# CE

# **DECLARATION OF PERFORMANCE**

04001/2021

Unique identification code of the product-type:	<b>R2 SCP</b> (5320	067/13/1)		
Intended use/es:				
Manufacturer:	KRISPOL Sp. z o.o. ul. Michała Strzykały 4, 62-300 Września			
System/s of AVCP:	3			
Harmonised standard:	PN-EN 13241+A2:2016-10			
Notified body:	nr 1017, TÜV SÜD CZECH s.r.o.			
DECLARED PE	RFORMANCES			
Water resistance:	Class 0	PN-EN 12425		
Release of dangerous	Does not include	PN-EN 12421		
Wind load resistance:	npd	PN-EN 12424		
Thermal resistance (W/m <sup>2</sup> K):	npd	PN-EN 12428		
Air permeability:	Class 0	PN-EN 12426		
Safe opening:	Meets PN-EN 12604			
Definition of geometry of glass components:	npd PN-EN 12604			
Mechanical resistance and stability:	Meets PN-EN 12604			
Durability of water thightness, thermal resistance and air permeability against degradation:	35 000 cycles	PN-EN 12605		
Operating forces:	Meets	PN-EN 12453		
ADDITIONAL PROPERTIES				
Low voltage directive:	Meets	2014/35/UE		
Electromagnetic compatibility:	Meets	2014/30/UE		
Operation with electric drive:	GFA: SI, SIK, TS959, TS971, TS982			
Resistance to manual burglary:	npd	PN-EN-1627:2011		
Noise - sound insulation :		PN-EN-10140-1		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

(podpis)

4	KRISPOL	

## EC DECLARATION OF CONFORMITY

12004/2021

Manufacturer:	KRISPOL Sp. z o.o. ul. Michała Strzykały 4, 62-300 Września			
Unique identification code of the product-type:	R2 SCP			
Product serial number:	532067/13/1			
Intended use/es:	industrial door for installation in industrial and commercial buildings			
GARAGE DOOR DIMENSIONS				
Width:	3000	mm		
Height:	: 3000 mm			
Weight:	t: 94.50 kg			
OPERATION WITH ELECTRIC DRIVE				
Control mode:	Impuls			
Gear motor type:				
Control panel type:	Control panel TS 971			
Protection:	Optical safety edge			
DECLARED CHARACTERISTICS				
Low voltage directive:	: Meets 2014/35/UE			
Electromagnetic compatibility:	r: Meets 2014/30/UE			
Harmonised standard:	l: Meets PN-EN 13241+A2:2016-10			

The name and number of the accredited certification body or laboratory, and the certificate number or the report number of type examination, provided that the body participated in the conformity assessment of the system applied for the construction product:

The product has been tested in accordance with PN-EN 1324 + A2: 2016-10 standard by TÜV Czech Republic, Ostrava, accredited body no. 211, notified body no. 1017, which carried out the initial test of the type in system 3 and issued the PROTOCOL OF PRODUCT TYPE CONFORMITY TESTING Reg. No. 1017-CPD-162/06/02/05/0, 977/70/10/BT/AO/B, 65/70/10/BT/AO/B, 1011/70/10/BT/AO/B, 597/70/10/BT/AO/B, 1740/70/06/BT/IŻ/B, 1017-CPR-06.947.779

Signed for and on behalf of the manufacturer by:

(podpis)



# CE

# **DECLARATION OF PERFORMANCE**

04002/2021

Unique identification code of the product-type:		067/14/1)		
Intended use/es:	ndustrial door for installation in industrial and commercial buildings			
Manufacturer:				
Manufacturer.	ul. Michała Strzykały 4,			
	62-300 Września			
System/s of AVCP:	3			
Harmonised standard:	PN-EN 13241+A2:2016-10			
Notified body:	nr 1017, TÜV SÜD CZECH s.r.o.			
DECLARED PE	RFORMANCES			
Water resistance:	Class 0	PN-EN 12425		
Release of dangerous	Does not include	PN-EN 12421		
Wind load resistance:	npd	PN-EN 12424		
Thermal resistance (W/m <sup>2</sup> K):	npd	PN-EN 12428		
Air permeability:	Class 0 PN-EN 12426			
Safe opening:	Meets PN-EN 12604			
Definition of geometry of glass components:	npd PN-EN 12604			
Mechanical resistance and stability:	Meets PN-EN 12604			
Durability of water thightness, thermal resistance and air permeability against degradation:	35 000 cycles	PN-EN 12605		
Operating forces:	Meets	PN-EN 12453		
ADDITIONAL PROPERTIES				
Low voltage directive:	Meets	2014/35/UE		
Electromagnetic compatibility:	Meets	2014/30/UE		
Operation with electric drive:	SIMU: T8S DMI, Somfy AXROLL/ROLLIXO OPTIMO			
Resistance to manual burglary:	npd	PN-EN-1627:2011		
Noise - sound insulation :		PN-EN-10140-1		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

(podpis)



## EC DECLARATION OF CONFORMITY

12004/2021

Manufacturer:	: KRISPOL Sp. z o.o. ul. Michała Strzykały 4, 62-300 Września			
Unique identification code of the product-type:	R2 SCP			
Product serial number:	532067/14/1			
Intended use/es:	industrial door for installation in industrial and commercial buildings			
GARAGE DOOR DIMENSIONS				
Width:	3000	mm		
Height:	: 3000 mm			
Weight:	t: 126.00 kg			
OPERATION WITH ELECTRIC DRIVE				
Control mode:	Impuls			
Gear motor type:	9:			
Control panel type:	Control panel Rollixo Optimo			
Protection:	Optical safety edge			
DECLARED CHARACTERISTICS				
Low voltage directive:	Meets 2014/35/UE			
Electromagnetic compatibility:	etic compatibility: Meets 2014/30/U			
Harmonised standard:	d: Meets PN-EN 13241+A2:2016-7			

The name and number of the accredited certification body or laboratory, and the certificate number or the report number of type examination, provided that the body participated in the conformity assessment of the system applied for the construction product:

The product has been tested in accordance with PN-EN 1324 + A2: 2016-10 standard by TÜV Czech Republic, Ostrava, accredited body no. 211, notified body no. 1017, which carried out the initial test of the type in system 3 and issued the PROTOCOL OF PRODUCT TYPE CONFORMITY TESTING Reg. No. 1017-CPD-162/06/02/05/0, 977/70/10/BT/AO/B, 65/70/10/BT/AO/B, 1011/70/10/BT/AO/B, 597/70/10/BT/AO/B, AO/B, 1740/70/06/BT/IŻ/B, 1017-CPR-06.947.779

Signed for and on behalf of the manufacturer by:

(podpis)

Grzegorz Ratajczak at Psary Male on, 2022-03-10



# CE

# **DECLARATION OF PERFORMANCE**

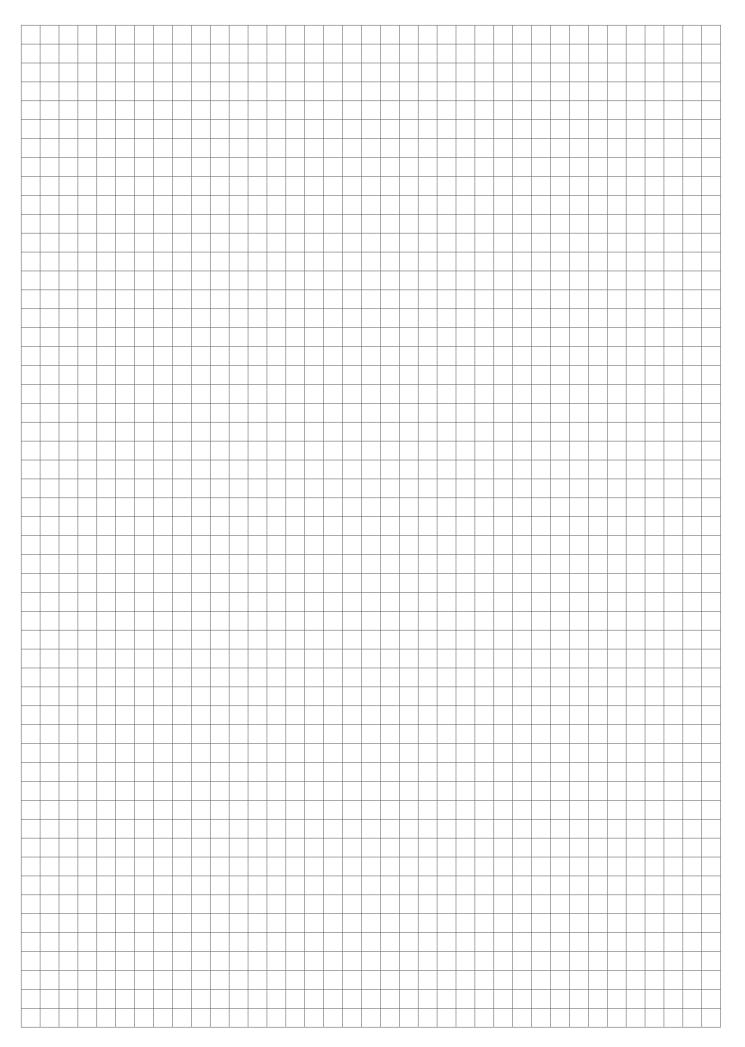
04003/2021

Unique identification code of the product-type:	<b>R2 SCG</b> (532	067/15/1)		
Intended use/es:	industrial door for installation in industrial and commercial buildings			
Manufacturer:	KRISPOL Sp. z o.o. ul. Michała Strzykały 4, 62-300 Września			
System/s of AVCP:	3			
Harmonised standard:	PN-EN 13241+A2:2016-10			
Notified body:	nr 1017, TÜV SÜD CZECH s.r.o.			
DECLARED PE	RFORMANCES			
Water resistance:	Class 0	PN-EN 12425		
Release of dangerous	Does not include	PN-EN 12421		
Wind load resistance:	npd	PN-EN 12424		
Thermal resistance (W/m <sup>2</sup> K):	npd	PN-EN 12428		
Air permeability:	Class 0	PN-EN 12426		
Safe opening:	Meets PN-EN 12604			
Definition of geometry of glass components:	npd PN-EN 12604			
Mechanical resistance and stability:	Meets PN-EN 12604			
Durability of water thightness, thermal resistance and air permeability against degradation:	35 000 cycles	PN-EN 12605		
Operating forces:	Meets	PN-EN 12453		
ADDITIONAL PROPERTIES				
Low voltage directive:	Meets	2014/35/UE		
Electromagnetic compatibility:	Meets	2014/30/UE		
Operation with electric drive:	-			
Resistance to manual burglary:	npd	PN-EN-1627:2011		
Noise - sound insulation :		PN-EN-10140-1		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

(podpis)



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 80-210 Gdańsk

322/612/353/2021

Gdańsk, 12-10-2021

#### HYGIENIC CERTIFICATE No 347/322/353/2021

1. Product (material)

2. Application

3. Application institution

4. Manufacturer

Rolling doors R1, RGZ, RGW Rolling grilles R2

for installation in industrial and social utility buildings and in food industry in rooms intended for permanent stay of individuals. Developments, covers, protection of openings in residential construction for installation in cavities or on walls

KRISPOL Sp. z o.o. ul. Michała Strzykały 4 62-300 Września

KRISPOL Sp. z o.o. ul. Michała Strzykały 4 62-300 Września

- The products have been assessed positively in terms of hygiene. The approval does not cover occupational health and safety terms during the installation of the products.
- 6. Formal basis for issuing the approval: letter of KRISPOL Sp. z o.o. of 26-08-2021 with documentation included.
- 7. The present certificate may be changed or voided if either party presents sufficient evidence. The document becomes invalid after 5 years since the date of issue or if any changes either in composition or manufacturing technology of the product have been introduced.

contact address: zts-atesty@gumed.edu.pl

KIEROWNIK Zakładu Toksykologii Środowiska Zup. Euro Ollwyfu prof. dr hab. Lidia Wolska

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# Evidence of testing

The Laboratory LOW ITB carried out tests of the product:

## Steel roller grilles of R2 SCP and R2 SCG type

submitted by:

# KRISPOL Sp. z o.o. ul. Michała Strzykały 4 62-300 Września

On the basis of the Test Report and the Technical Opinion it is hereby stated that

Steel roller grilles of R2 SCP and R2 SCG type meet requirements corresponding to class 2 of resistance to manual burglary attempts according to PN-ENV 1627:2006\*

Dy dudy Poznań, December 29th, 2011



\* provided that two locking devices are used, equipped with lock cylinders corresponding to minimum key related security grade 4 and attack resistance grade 1 according to PN-EN 1303:2007

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