



# greenteQ Window hardware Q03

EDITION 2013



Simply everything.

Everything simple.



# Always at your side - the VBH Enhanced Service Package

**More products. More brands. More choice.**

**Simply everything** you need to manufacture and install windows and doors is available from VBH.

By 'everything' we mean that our products deliver everything you would expect in terms of quality. This means you have access to the most comprehensive, and consistently high quality range in the sector.

**Everything simple**, from the very first conversation through to everyday contact, from good, old fashioned face-to-face meetings to the use of modern communications. At VBH, the people are there to help you, going about our work in a helpful and friendly way. Our modern communication tools are designed for maximum efficiency and reliability, so that you can concentrate on the essentials: Your customers.

The expert brand for window and door hardware is always there for you. We are with you on the road to success. Benefit from our efficient working practices and profit from our staff's expert knowledge. Put simply, you can expect a good deal more from us than from ordinary suppliers. Rely on the VBH Enhanced Service Package - at any time.

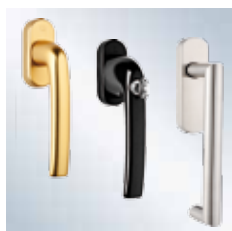


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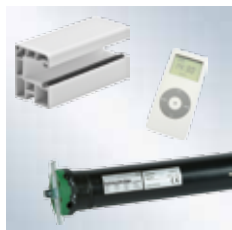


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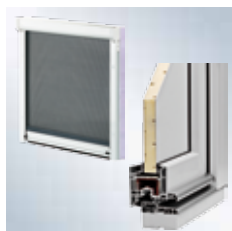


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## INFORMATION

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Subject to change reserved.  
Technical data, drawings and dimensions  
are not binding..

Colour aberration from original product may be  
caused by printing and shall not give rise to a  
claim.

# WINDOW HARDWARE

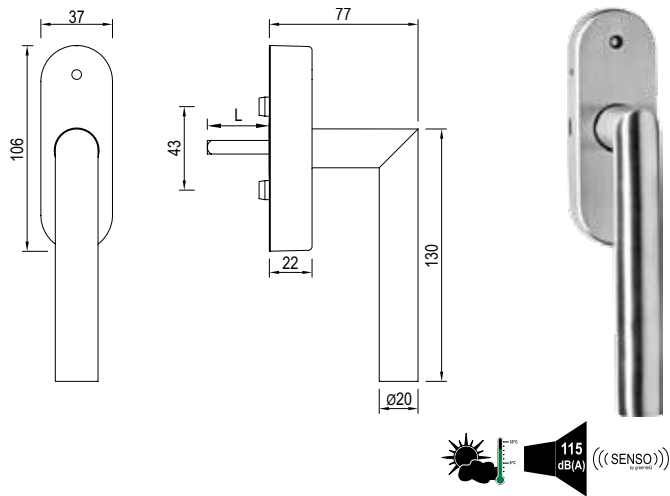
## Window handle SENSO

### greenteQ Window handle SENSO Stainless Steel

greenteQ FG SENSO Stainless Steel with 90° 4-ball catch; concealed screw connections; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

The greenteQ FG SENSO Stainless Steel has two functions: an alarm function in the event of attempted break-ins and a measuring function to measure the relative humidity in the room. A commercially available ½ AA battery ensures a service life of approx. 2 years. Any vibration that may indicate an attempted break-in triggers a signal tone of up to 115 db(A), emitted through the round opening in the middle of the outer casing.

Via the two lateral LEDs, the climate control function shows the user if the air humidity in the room is above 50% (55% or 60%) and it is therefore necessary to ventilate the room in order to prevent condensation. The greenteQ FG SENSO Stainless Steel constitutes a solution for efficient room ventilation to prevent mould formation in the building that does not rely exclusively on the judgement of the user.



#### Product advantages of the SENSO window handle:




- Simple and safe solution on the window itself – no extra fittings on the frame or in the home, and therefore unobtrusive
- Innovative dual function:
  - Room climate control
  - Alarm security
- Can be used individually in new or renovated buildings, including retrofitting
- Easy to replace and operate – operational as soon as the window is closed
- Mains-independent – no additional wiring required
- 4-ball catch for precise positioning
- Attractive design "An impressive window handle experience in three steps"

"An impressive window handle experience in three steps"

- ONE** The new greenteQ window handle SENSO revolutionizes the technology by integration of alarm and climate functions. Just install the battery supply and input the received handle into place, in the window profile and in a few moments the window handle SENSO will calibrate itself and will be ready for use.
- TWO** The settings to activate the alarm are very simple, you just have to close the window handle and the alarm is already activated. The handle is not blocked, there is no need to enter a passcode is not needed any adjustment to any control device. And your window is protected from breakage and protected from forcible or against any attack by intrusion due 115dB alarm.
- THREE** Air conditioning function of the window handle SENSO will show you with a decent red LED lighting attached on one side of the handle, if the room temperature reaches a critical level and if high humidity in the room can bring damages. Just open the window and the red LED light disappears. After a recommended period of 5-10 min you can close the window again and you will feel fine again.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm (with two sleeves 10/12 mm)
- Diameter of rosette: 37 x 106 x 22 mm
- Alarm duration: 180 sec.
- Battery (supplied): Lithium thionyl chloride battery ½AA (3,6V/1,20 Ah)
- Fixing screws: incl. 2 pieces M5x40/45/55 mm

Material	Surface	Length of square spindle	PU	VBH Article-No.
Stainless steel	matt brushed	32 mm	1 pc.	400.501 / 6500 
Stainless steel	matt brushed	37 mm	1 pc.	400.502 / 6500 
Stainless steel	matt brushed	43 mm	1 pc.	400.503 / 6500 

# WINDOW HARDWARE

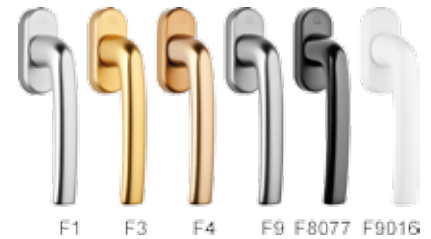
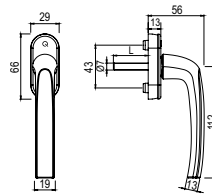
## Window handles aluminium greenteQ

### greenteQ FG10.AL

greenteQ window handle FG10.AL; with 90° lock-in position; invisible fixing; aluminium in various anodizing or color coating; including screws.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 29 x 66 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.404 / 0100
silver anodized	F1	37 mm	394.409 / 0100
silver anodized	F1	43 mm	394.414 / 0100
golden anodized	F3	32 mm	394.404 / 0300
golden anodized	F3	37 mm	394.409 / 0300
golden anodized	F3	43 mm	394.414 / 0300
bronze anodized	F4	32 mm	394.404 / 0400
bronze anodized	F4	37 mm	394.409 / 0400
bronze anodized	F4	43 mm	394.414 / 0400
silver dark anodized	F9	32 mm	394.404 / 0900
silver dark anodized	F9	37 mm	394.409 / 0900
silver dark anodized	F9	43 mm	394.414 / 0900
brown coated	F8077	32 mm	394.404 / 8077
brown coated	F8077	37 mm	394.409 / 8077
brown coated	F8077	43 mm	394.414 / 8077
white coated	F9016	32 mm	394.404 / 9016
white coated	F9016	37 mm	394.409 / 9016
white coated	F9016	43 mm	394.414 / 9016

# WINDOW HARDWARE

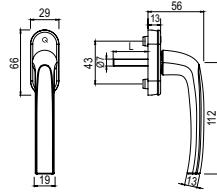
## Window handles aluminium greenteQ

### greenteQ FG10.45°.AL

greenteQ window handle FG 10.45°.AL; with 45° lock-in position; invisible fixing; aluminium in various anodizing or color coating; including screws.

#### Technical data:

- Lock-in position: 45°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 29 x 66 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



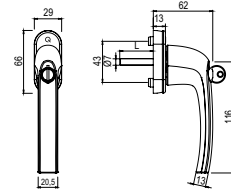
Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.405 / 0100
silver anodized	F1	37 mm	394.410 / 0100
silver anodized	F1	43 mm	394.415 / 0100
golden anodized	F3	32 mm	394.405 / 0300
golden anodized	F3	37 mm	394.410 / 0300
golden anodized	F3	43 mm	394.415 / 0300
bronze anodized	F4	32 mm	394.405 / 0400
bronze anodized	F4	37 mm	394.410 / 0400
bronze anodized	F4	43 mm	394.415 / 0400
silver dark anodized	F9	32 mm	394.405 / 0900
silver dark anodized	F9	37 mm	394.410 / 0900
silver dark anodized	F9	43 mm	394.415 / 0900
brown coated	F8077	32 mm	394.405 / 8077
brown coated	F8077	37 mm	394.410 / 8077
brown coated	F8077	43 mm	394.415 / 8077
white coated	F9016	32 mm	394.405 / 9016
white coated	F9016	37 mm	394.410 / 9016
white coated	F9016	43 mm	394.415 / 9016

# WINDOW HARDWARE

## Window handles aluminium greenteQ

### greenteQ FG10.S.AL

greenteQ window handle FG10.S. AL. lockable with printing cylinder and reversible key; 90° lock-in position; invisible fixing; aluminium in various anodizing or colour coating; including screws plus one key.



#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 29 x 66 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.406 / 0100
silver anodized	F1	37 mm	394.411 / 0100
silver anodized	F1	43 mm	394.416 / 0100
golden anodized	F3	32 mm	394.406 / 0300
golden anodized	F3	37 mm	394.411 / 0300
golden anodized	F3	43 mm	394.416 / 0300
bronze anodized	F4	32 mm	394.406 / 0400
bronze anodized	F4	37 mm	394.411 / 0400
bronze anodized	F4	43 mm	394.416 / 0400
silver dark anodized	F9	32 mm	394.406 / 0900
silver dark anodized	F9	37 mm	394.411 / 0900
silver dark anodized	F9	43 mm	394.416 / 0900
brown coated	F8077	32 mm	394.406 / 8077
brown coated	F8077	37 mm	394.411 / 8077
brown coated	F8077	43 mm	394.416 / 8077
white coated	F9016	32 mm	394.406 / 9016
white coated	F9016	37 mm	394.411 / 9016
white coated	F9016	43 mm	394.416 / 9016

### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG10.S	394.041 / 0001



# WINDOW HARDWARE

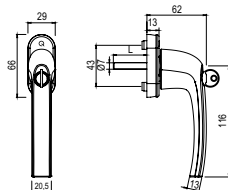
## Window handles aluminium greenteQ

### greenteQ FG10.S100.AL

greenteQ window handle FG10.S100. AL with 100 Nm DIN EV 1627-1630 (WK 1-6) certified with printing cylinder; 90° lock-in position; invisible fixing; aluminium in various anodizing or colour coating; including screws plus one key.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 29 x 66 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.407 / 0100
silver anodized	F1	37 mm	394.412 / 0100
silver anodized	F1	43 mm	394.417 / 0100
golden anodized	F3	32 mm	394.407 / 0300
golden anodized	F3	37 mm	394.412 / 0300
golden anodized	F3	43 mm	394.417 / 0300
bronze anodized	F4	32 mm	394.407 / 0400
bronze anodized	F4	37 mm	394.412 / 0400
bronze anodized	F4	43 mm	394.417 / 0400
silver dark anodized	F9	32 mm	394.407 / 0900
silver dark anodized	F9	37 mm	394.412 / 0900
silver dark anodized	F9	43 mm	394.417 / 0900
brown coated	F8077	32 mm	394.407 / 8077
brown coated	F8077	37 mm	394.412 / 8077
brown coated	F8077	43 mm	394.417 / 8077
white coated	F9016	32 mm	394.407 / 9016
white coated	F9016	37 mm	394.412 / 9016
white coated	F9016	43 mm	394.417 / 9016

### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG10.S	394.041 / 0001





# WINDOW HARDWARE

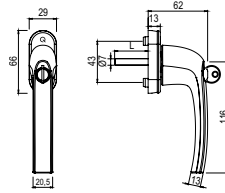
## Window handles aluminium greenteQ

### greenteQ FG10.TBT1.AL

greenteQ window handle FG10.TBT1.AL lockable with rotary cylinder, reversible key and TBT (Tilt before Turn -Function); 90° lock-in position; invisible fixing; aluminium in various anodizing or colour coating; inclusive one key.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 29 x 66 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



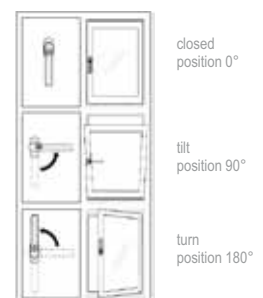
Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	37 mm	394.408 / 0100
silver anodized	F1	37 mm	394.413 / 0100
silver anodized	F1	43 mm	394.418 / 0100
golden coated	F3	32 mm	394.408 / 0300
golden coated	F3	37 mm	394.413 / 0300
golden coated	F3	43 mm	394.418 / 0300
bronze anodized	F4	32 mm	394.408 / 0400
bronze anodized	F4	37 mm	394.413 / 0400
bronze anodized	F4	43 mm	394.418 / 0400
silver dark anodized	F9	32 mm	394.408 / 0900
silver dark anodized	F9	37 mm	394.413 / 0900
silver dark anodized	F9	43 mm	394.418 / 0900
brown coated	F8077	32 mm	394.408 / 8077
brown coated	F8077	37 mm	394.413 / 8077
brown coated	F8077	43 mm	394.418 / 8077
white coated	F9016	32 mm	394.408 / 9016
white coated	F9016	37 mm	394.413 / 9016
white coated	F9016	43 mm	394.418 / 9016

#### TBT-Function

Beside the usual lockable window handle for tilt and turn windows, there is also the lockable window handle with TBT-function for windows with TBT transmission. TBT-function (Tilt Before Turn) denotes the art of opening for windows: closed position (0°), tilt position (90°), turn position (180°).

For tilt position of the window (window handle in horizontal 90°-position) the locking cylinder does not have to be unlocked. For turn position (window handle in vertical 180°-position) the locking cylinder has to be unlocked. Therefore the safety rail prevents unintended opening of windows from inside. For example as from children.

**Please note:** TBT-function is ensured only on windows with TBT-fittings.



#### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG10.TBT1	394.041 / 0002



# WINDOW HARDWARE

## Window handles aluminium greenteQ

### greenteQ FG10.45°.DK.AL

greenteQ window handle FG10.45° DK.AL; with 45° lock-in position; with press button for more security; invisible fixing; aluminium in various anodizing or colour coating; including screws.

The opening of the window can be operated by using the press button. When window is in closed position the window fitting can not be moved.



#### Technical data:

- Lock-in position: 45°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 29 x 66 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm

Material	Surface	Colour code	Length of square spindle	VBH Article-No.	
Aluminium	silver anodized	F1	32 mm	396.624 / 0100	
Aluminium	silver anodized	F1	37 mm	396.625 / 0100	
Aluminium	silver anodized	F1	43 mm	396.626 / 0100	
Aluminium	golden anodized	F3	32 mm	396.624 / 0300	
Aluminium	golden anodized	F3	37 mm	396.625 / 0300	
Aluminium	golden anodized	F3	43 mm	396.626 / 0300	
Aluminium	bronze anodized	F4	32 mm	396.624 / 0400	
Aluminium	bronze anodized	F4	37 mm	396.625 / 0400	
Aluminium	bronze anodized	F4	43 mm	396.626 / 0400	
Aluminium	dark silver anodized	F9	32 mm	396.624 / 0900	
Aluminium	dark silver anodized	F9	37 mm	396.625 / 0900	
Aluminium	dark silver anodized	F9	43 mm	396.626 / 0900	
Aluminium	brown coated	F8077	32 mm	396.624 / 8077	
Aluminium	brown coated	F8077	37 mm	396.625 / 8077	
Aluminium	brown coated	F8077	43 mm	396.626 / 8077	
Aluminium	white coated	F9016	32 mm	396.624 / 9016	
Aluminium	white coated	F9016	37 mm	396.625 / 9016	
Aluminium	white coated	F9016	43 mm	396.626 / 9016	



# WINDOW HARDWARE

## Window handles aluminium greenteQ

### greenteQ Balcony door set BTG10.GR.GR.AL

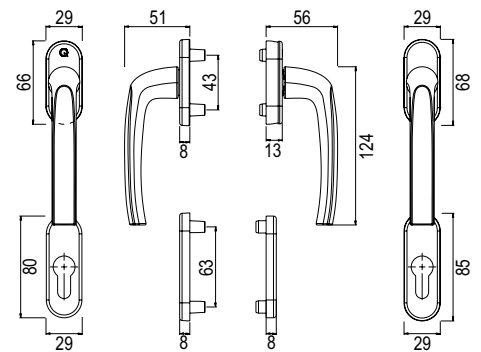
greenteQ balcony door set BTG10.GR.GR.AL; invisible fixing; aluminium in various anodizing or colour coating; including screws.

#### Technical data:

- Lock-in position: -
- Square spindle: 7 mm
- Diameter of cam: 10 mm
- Outside window handle rosette: 29 x 68 x 8 mm
- Inside window handle rosette: 29 x 66 x 13 mm
- Outside keyrosette: 29 x 85 x 8 mm
- Inside keyrosette: 29 x 80 x 8 mm
- Screws: 2x M5x70 mm; 2x M5x75 mm; 2x M5x80 mm



Surface	Colour code	Door thickness	VBH Article-No.
silver anodized	F1	63 - 73 mm	394.422 / 0100
golden anodized	F3	63 - 73 mm	394.422 / 0300
bronze anodized	F4	63 - 73 mm	394.422 / 0400
silver dark anodized	F9	63 - 73 mm	394.422 / 0900
brown coated	F8077	63 - 73 mm	394.422 / 8077
white coated	F9016	63 - 73 mm	394.422 / 9016



### Accessory-Set for Balcony door set BTG10.GR.GR.AL

For larger door thicknesses.

Door thickness	VBH Article-No.
73 - 83 mm	394.420 / 7383
83 - 93 mm	394.420 / 8393



# WINDOW HARDWARE

## Window handles aluminium greenteQ

### greenteQ Balcony door set BTG10.Rollladen.AL

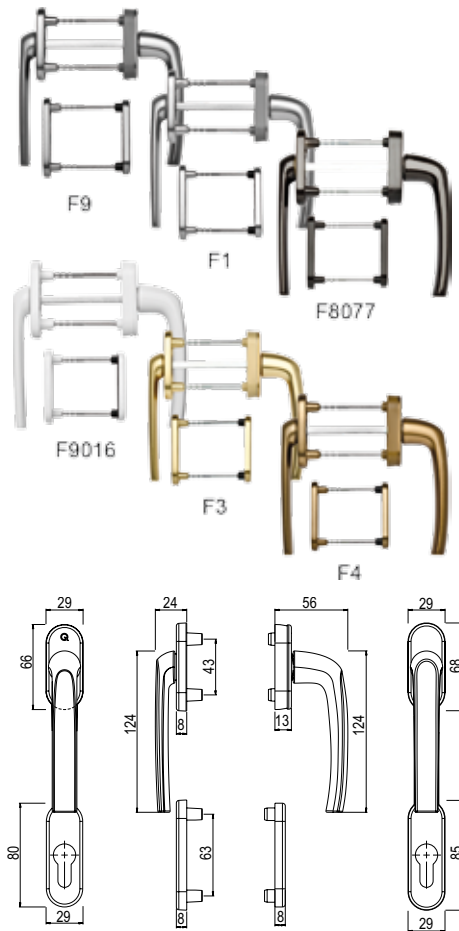
greenteQ balcony door set BTG10.AL; invisible fixing; aluminium in various anodizing or colour coating; including screws.

#### Technical data:

- Lock-in position: -
- Square spindle: 7 mm
- Diameter of cam: 10 mm
- Outside window handle rosette: 29 x 68 x 8 mm
- Inside window handle rosette: 29 x 66 x 13 mm
- Outside keyrosette: 29 x 85 x 8 mm
- Inside keyrosette: 29 x 80 x 8 mm
- Screws: 2x M5x70 mm; 2x M5x75 mm; 2x M5x80 mm



Surface	Colour code	Door thickness	VBH Article-No.
silver anodized	F1	63 - 73 mm	394.419 / 0100
golden anodized	F3	63 - 73 mm	394.419 / 0300
bronze anodized	F4	63 - 73 mm	394.419 / 0400
silver dark anodized	F9	63 - 73 mm	394.419 / 0900
brown coated	F8077	63 - 73 mm	394.419 / 8077
white coated	F9016	63 - 73 mm	394.419 / 9016



### Accessory-Set for Balcony door set BTG10.Rollladen.AL

For larger door thicknesses.

Door thickness	VBH Article-No.
73 - 78 mm	394.878 / 7378
78 - 83 mm	394.878 / 7883
83 - 88 mm	394.878 / 8388
88 - 93 mm	394.878 / 8893



# WINDOW HARDWARE

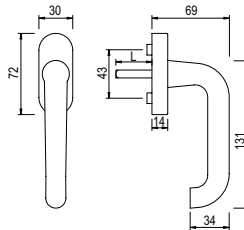
## Window handles aluminium greenteQ




### greenteQ FG60.AL

greenteQ window handle FG60.AL; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; aluminium silver anodized; including screws.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 14 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



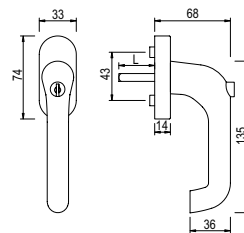
Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.951 / 0100 
silver anodized	F1	37 mm	394.952 / 0100 
silver anodized	F1	43 mm	394.953 / 0100 




### greenteQ FG60.S.AL

greenteQ window handle FG60.S.AL; lockable, with push cylinder; supplied with 2 keys; 90° lock-in position; invisible fixing; aluminium silver anodized; including screws.


#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 14 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm




Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.982 / 0100 
silver anodized	F1	37 mm	394.983 / 0100 
silver anodized	F1	43 mm	394.984 / 0100 

### greenteQ Sleeves 10/12 mm

Variants	PU	VBH Article-No.
10/12 mm	100 pcs.	397.414 / 0000 



### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG60.S/FG61.S	394.041 / 0003 



# WINDOW HARDWARE

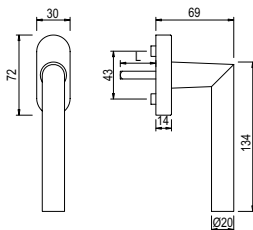
## Window handles aluminium greenteQ




### greenteQ FG61.AL

greenteQ window handle FG61.AL; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; aluminium silver anodized; including screws.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



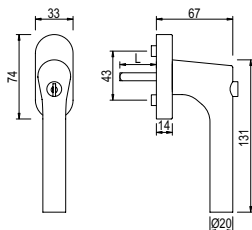
Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.954 / 0100 
silver anodized	F1	37 mm	394.955 / 0100 
silver anodized	F1	43 mm	394.956 / 0100 




### greenteQ FG61.S.AL

greenteQ window handle FG61.S.AL; lockable, with push cylinder; supplied with 2 keys; 90° lock-in position; invisible fixing; aluminium silver anodized; including screws.


#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 33 x 74 x 14 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm




Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.985 / 0100 
silver anodized	F1	37 mm	394.986 / 0100 
silver anodized	F1	43 mm	394.987 / 0100 

### greenteQ Sleeves 10/12 mm

Variants	PU	VBH Article-No.
10/12 mm	100 pcs.	397.414 / 0000 



### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG60.S/FG61.S	394.041 / 0003 



# WINDOW HARDWARE

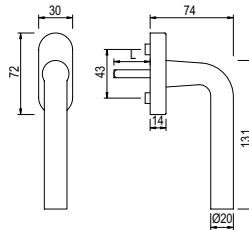
## Window handles aluminium greenteQ




### greenteQ FG62.AL

greenteQ window handle FG62.AL; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; aluminium silver anodized; including screws.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



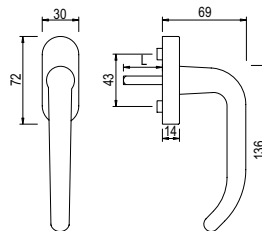
Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.965 / 0100 
silver anodized	F1	37 mm	394.966 / 0100 
silver anodized	F1	43 mm	394.967 / 0100 




### greenteQ FG65.AL

greenteQ window handle FG65.AL; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; aluminium silver anodized; including screws.


#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Surface	Colour code	Length of square spindle	VBH Article-No.
silver anodized	F1	32 mm	394.968 / 0100 
silver anodized	F1	37 mm	394.969 / 0100 
silver anodized	F1	43 mm	394.971 / 0100 

### greenteQ Sleeves 10/12 mm

Variants	PU	VBH Article-No.
10/12 mm	100 pcs.	397.414 / 0000 



# WINDOW HARDWARE

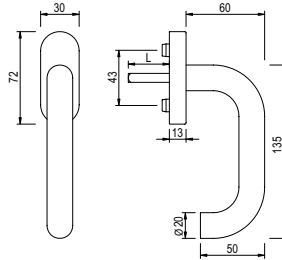
## Window handles stainless steel greenteQ




### greenteQ FG60L.ER

greenteQ window handle FG60L.ER; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



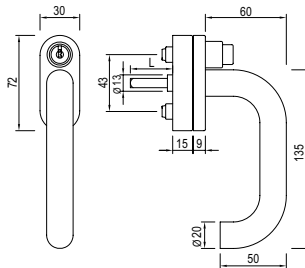
Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.951 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.952 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.953 / 6500 




### greenteQ FG60.S.ER

greenteQ window handle FG60.S.ER; lockable, with push cylinder; supplied with 2 keys; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.


#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 25 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.982 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.983 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.984 / 6500 

### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG60.S/FG61.S/FG62.S	394.041 / 0004 





# WINDOW HARDWARE

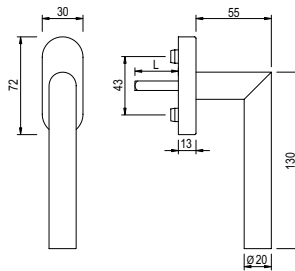
## Window handles stainless steel greenteQ




### greenteQ FG61L.ER

greenteQ window handle FG61L.ER; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



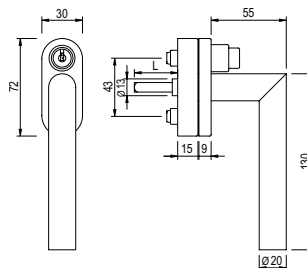
Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.954 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.955 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.956 / 6500 




### greenteQ FG61.S.ER

greenteQ window handle FG61.S.ER; lockable, with push cylinder; supplied with 2 keys; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.


#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 25 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.985 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.986 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.987 / 6500 

### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG60.S/FG61.S/FG62.S	394.041 / 0004 



# WINDOW HARDWARE

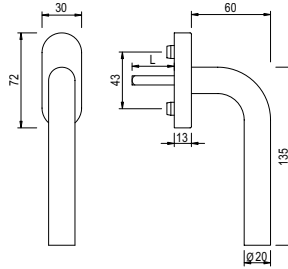
## Window handles stainless steel greenteQ




### greenteQ FG62L.ER

greenteQ window handle FG62L.ER; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



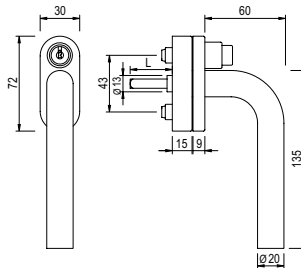
Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.965 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.966 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.967 / 6500 




### greenteQ FG62.S.ER

greenteQ window handle FG62.S.ER; lockable, with push cylinder; supplied with 2 keys; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 25 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.988 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.989 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.990 / 6500 

### Spare key for greenteQ Window handles lockable

Version	VBH Article-No.
FG60.S/FG61.S/FG62.S	394.041 / 0004 



# WINDOW HARDWARE

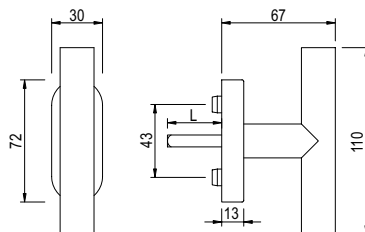
## Window handles stainless steel greenteQ




### greenteQ FG63L.ER

greenteQ window handle FG63L.ER; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



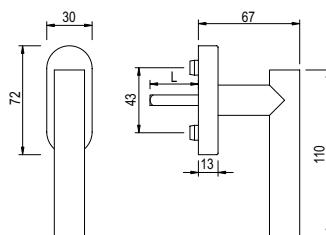
Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.972 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.973 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.974 / 6500 




### greenteQ FG64L.ER

greenteQ window handle FG64L.ER; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



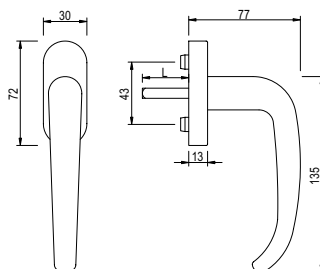
Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.975 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.976 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.977 / 6500 




### greenteQ FG65L.ER

greenteQ window handle FG65L.ER; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm



Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.968 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.969 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.971 / 6500 

# WINDOW HARDWARE

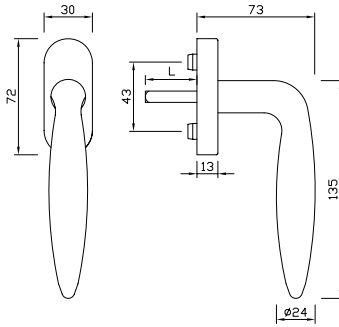
## Window handles stainless steel greenteQ




### greenteQ FG69L.ER

greenteQ window handle FG69L.ER; certification acc. to EN 13126-3; 90° lock-in position; invisible fixing; stainless steel matt brushed; including screws and enclosed sleeves 10/12 mm.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws:  
incl. 2 pieces M5 x 40/45/55 mm



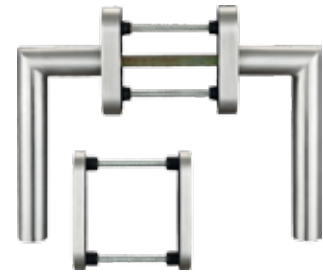
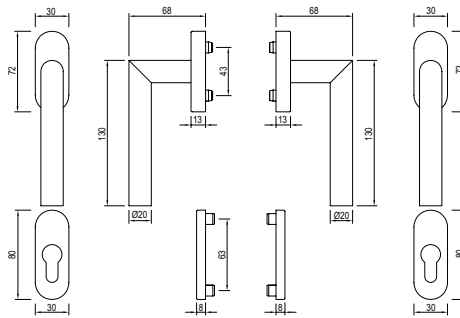
Material	Surface	Colour code	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	ER	32 mm	394.978 / 6500 
Stainless steel	matt brushed	ER	37 mm	394.979 / 6500 
Stainless steel	matt brushed	ER	43 mm	394.980 / 6500 




### greenteQ Balcony door set BTG61.GR.GR.ER

greenteQ balcony door set BTG61.GR.GR.ER; with 90° lock-in position; invisible fixing ; including a set of accessory (screws and square spindle) for door thickness 63 - 73 mm; the separate sets of accessory for door thickness 73 - 83 mm and 83 - 93 mm are available; stainless steel matt brushed.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam: 10 mm
- Window handle rosette: 30 x 72 x 13 mm
- Keyrosette: 30 x 80 x 8 mm
- Hole both sides: PZ
- Screws: incl. 4x M5x80; 2x M5x75 mm



Version	Surface	Colour code	Door thickness	VBH Article-No.
BTGT61.GR.GR.ER	matt brushed	ER	63 - 73 mm	399.840 / 6500 
Set of accessories BTG61.GR.GR.ER	-	-	73 - 83 mm	400.118 / 7383 
Set of accessories BTG61.GR.GR.ER	-	-	83 - 93 mm	400.118 / 8393 

# WINDOW HARDWARE

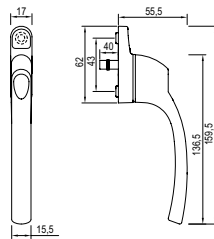
## Window handles zinc die-cast greenteQ







### greenteQ FG50.ZD straight

greenteQ window handle FG50.ZD; cam 10 mm with 90° lock-in position; invisible fixing, with screw cover; zinc die-cast.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 17 x 62 mm
- Fixing screws: incl. 2 pieces M5x45 mm



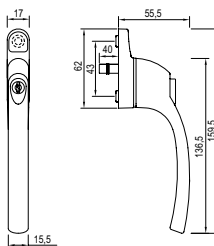
Surface	Colour code	Length of square spindle	VBH Article-No.
black coated	Q9011	40 mm	394.273 / 0800 
brown coated	F8019	40 mm	394.273 / 0900 
white coated	F9016	40 mm	394.273 / 9016 
satine chrome	CS	40 mm	394.273 / 4220 
PVD chrome polished	PVD-C	40 mm	394.273 / 4210 
PVD gold polished	PVD-G	40 mm	394.273 / 7110 







### greenteQ FG50.S.ZD straight

greenteQ window handle FG50.S.ZD; lockable with push cylinder; 1 key; 90° lock-in position; invisible fixing, with screw cover, thin rose with supporting cam, zinc die-cast.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 17 x 62 x 12 mm
- Fixing screws: incl. 2 pieces M5x45 mm



Surface	Colour code	Length of square spindle	VBH Article-No.
black coated	Q9011	40 mm	392.303 / 0800 
brown coated	F8019	40 mm	392.303 / 0900 
white coated	F9016	40 mm	392.303 / 9016 
satine chrome	CS	40 mm	392.303 / 4220 
PVD chrome polished	PVD-C	40 mm	392.303 / 4210 
PVD gold polished	PVD-G	40 mm	392.303 / 7110 

# WINDOW HARDWARE

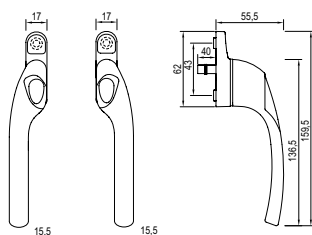
## Window handles zinc die-cast greenteQ

### greenteQ FG50.V.ZD cranked

greenteQ window handle FG50.ZD; cam 10 mm with 90° lock-in position; invisible fixing, with screw cover; zinc die-cast, cranked left or right.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 17 x 62 x 12 mm
- Fixing screws: incl. 2 pieces M5x45 mm



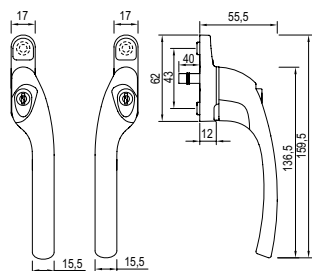
Surface	Colour code	Length of square spindle	Crank	VBH Article-No.
black coated	Q9011	40 mm	left cranked	394.274 / 0801
black coated	Q9011	40 mm	right cranked	394.274 / 0802
brown coated	F8019	40 mm	left cranked	394.274 / 0901
brown coated	F8019	40 mm	right cranked	394.274 / 0902
white coated	F9016	40 mm	left cranked	394.274 / 9161
white coated	F9016	40 mm	right cranked	394.274 / 9162
satine chrome	CS	40 mm	left cranked	394.274 / 4221
satine chrome	CS	40 mm	right cranked	394.274 / 4222
PVD chrome polished	PVD-C	40 mm	left cranked	394.274 / 4211
PVD chrome polished	PVD-C	40 mm	right cranked	394.274 / 4212
PVD gold polished	PVD-G	40 mm	left cranked	394.274 / 7111
PVD gold polished	PVD-G	40 mm	right cranked	394.274 / 7112

### greenteQ FG50.S.V.ZD cranked

greenteQ window handle FG50.S.V.ZD; lockable with push cylinder; 1 key; 90° lock-in position; invisible fixing, with screw cover, thin rose with supporting cam, zinc die-cast, cranked left or right.

#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 17 x 62 x 12 mm
- Fixing screws: incl. 2 pieces M5x45 mm



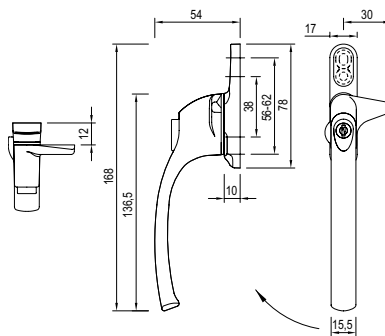
Surface	Colour code	Length of square spindle	Crank	VBH Article-No.
brown coated	F8019	40 mm	left cranked	392.304 / 0901
brown coated	F8019	40 mm	right cranked	392.304 / 0902
black coated	Q9011	40 mm	left cranked	392.304 / 0801
black coated	Q9011	40 mm	right cranked	392.304 / 0802
white coated	F9016	40 mm	left cranked	392.304 / 9161
white coated	F9016	40 mm	right cranked	392.304 / 9162
satine chrome	CS	40 mm	left cranked	392.304 / 4221
satine chrome	CS	40 mm	right cranked	392.304 / 4222
PVD chrome polished	PVD-C	40 mm	left cranked	392.304 / 4211
PVD chrome polished	PVD-C	40 mm	right cranked	392.304 / 4212
PVD gold polished	PVD-G	40 mm	left cranked	392.304 / 7111
PVD gold polished	PVD-G	40 mm	right cranked	392.304 / 7112

# WINDOW HARDWARE

## Window handles zinc die-cast greenteQ





























### greenteQ FG55.S.ZD Cockspur

greenteQ window handle FG55.S.ZD; lockable with push cylinder; including 1 key; with screw cover for the upper two screws; 4 fixing holes for 4.8 mm screws, the inner holes with the distance of 38 mm and two outside holes with the distance of 58-62 mm; available for upstand heights 12 mm or 21 mm; the window handles are available in a left and a right-opening variant; zinc die-cast.



#### Technical data:

- Lock-in position: -
- Square spindle: -
- Diameter of cam Ø: -
- Diameter of rosette: 17 x 78 x 10 mm
- Fixing screws: Not included in delivery

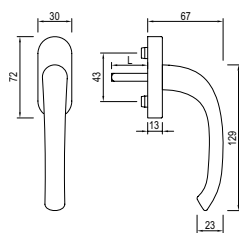
Surface	Colour code	Upstand height	Direction	VBH Article-No.
black coated	Q9011	12 mm	left-opening	397.059 / 0801 
black coated	Q9011	12 mm	right-opening	397.059 / 0802 
black coated	Q9011	21 mm	left-opening	397.058 / 0801 
black coated	Q9011	21 mm	right-opening	397.058 / 0802 
white coated	F9016	12 mm	left-opening	397.059 / 9161 
white coated	F9016	12 mm	right-opening	397.059 / 9162 
white coated	F9016	21 mm	left-opening	397.058 / 9161 
white coated	F9016	21 mm	right-opening	397.058 / 9162 
brown coated	F8019	12 mm	left-opening	397.059 / 0901 
brown coated	F8019	12 mm	right-opening	397.059 / 0902 
brown coated	F8019	21 mm	left-opening	397.058 / 0901 
brown coated	F8019	21 mm	right-opening	397.058 / 0902 
satin chrome	CS	12 mm	left-opening	397.059 / 4221 
satin chrome	CS	12 mm	right-opening	397.059 / 4222 
satin chrome	CS	21 mm	left-opening	397.058 / 4221 
satin chrome	CS	21 mm	right-opening	397.058 / 4222 
PVD chrome polished	PVD-C	12 mm	left-opening	397.059 / 4211 
PVD chrome polished	PVD-C	12 mm	right-opening	397.059 / 4212 
PVD chrome polished	PVD-C	21 mm	left-opening	397.058 / 4211 
PVD chrome polished	PVD-C	21 mm	right-opening	397.058 / 4212 
PVD gold polished	PVD-G	12 mm	left-opening	397.059 / 7111 
PVD gold polished	PVD-G	12 mm	right-opening	397.059 / 7112 
PVD gold polished	PVD-G	21 mm	left-opening	397.058 / 7111 
PVD gold polished	PVD-G	21 mm	right-opening	397.058 / 7112 
dark chrome polished	CDP	12 mm	left-opening	397.059 / 4231 
dark chrome polished	CDP	12 mm	right-opening	397.059 / 4232 
dark chrome polished	CDP	21 mm	left-opening	397.058 / 4231 
dark chrome polished	CDP	21 mm	right-opening	397.058 / 4232 

# WINDOW HARDWARE

## Window handles zinc die-cast greenteQ

### greenteQ FG911.ZD

Window handle designed for objects made of zinc die-cast. It consists of 4-ball bearings in a rugged plastics housing including invisible fixing. This serves a constant quality and functionality for click into place. The high-quality sub-construction guarantees for every operation of the window an noticeable exact positioning of the window handle. Windows can be closed, tilted or opened correctly.



#### Technical data:

- Lock-in position: 90°
- Square spindle: 7 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 30 x 72 x 13 mm
- Fixing screws: incl. 2 pieces M5 x 40/45/55 mm

Surface	Colour code	Length of square spindle	VBH Article-No.	
black matt	Q9011	32 mm	394.957 / 0800	
black matt	Q9011	37 mm	394.958 / 0800	
black matt	Q9011	43 mm	394.959 / 0800	
brown coated	F8019	32 mm	394.957 / 0900	
brown coated	F8019	37 mm	394.958 / 0900	
brown coated	F8019	43 mm	394.959 / 0900	
white coated	F9016	32 mm	394.957 / 9016	
white coated	F9016	37 mm	394.958 / 9016	
white coated	F9016	43 mm	394.959 / 9016	
satine chrome	CS	32 mm	394.957 / 4220	
satine chrome	CS	37 mm	394.958 / 4220	
satine chrome	CS	43 mm	394.959 / 4220	
PVD chrome polished	PVD-C	32 mm	394.957 / 4210	
PVD chrome polished	PVD-C	37 mm	394.958 / 4210	
PVD chrome polished	PVD-C	43 mm	394.959 / 4210	
PVD gold polished	PVD-G	32 mm	394.957 / 7110	
PVD gold polished	PVD-G	37 mm	394.958 / 7110	
PVD gold polished	PVD-G	43 mm	394.959 / 7110	
dark polished chrome	CD	32 mm	394.957 / 4230	
dark polished chrome	CD	37 mm	394.958 / 4230	
dark polished chrome	CD	43 mm	394.959 / 4230	





# WINDOW HARDWARE

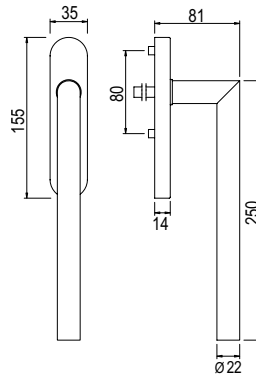
## Sliding door lever handles greenteQ


### greenteQ HSTG 61.ER

greenteQ sliding door lever handle HSTG 61.ER; balconies and terraces made of wood and plastic, with 10 mm spindle: cam 10 mm and 180° lock-in position; invisible fixing; stainless steel matt brushed, including screws M6 x 80 mm (2 pieces).

**Technical data:**

- Lock-in position: 180°
- Square spindle: 10 mm
- Diameter of cam Ø: 10 mm
- Diameter of rosette: 35 x 155 x 14 mm
- Fixing screws: incl. 2 pieces M6 x 80 mm



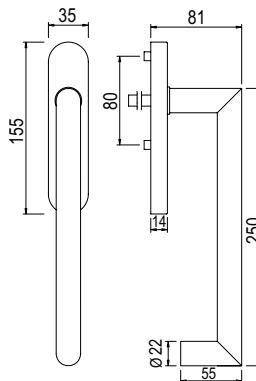
Material	Surface	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	95 mm (loose)	384.968 / 6500 


### greenteQ HSTG 80.ER

greenteQ sliding door lever handle HSTG 80.ER; balconies and terraces made of wood and plastic, with 10 mm spindle: cam 8.5 mm and 180° lock-in position; invisible fixing; stainless steel matt brushed, including screws M6 x 80 mm.

**Technical data:**

- Lock-in position: 180°
- Square spindle: 10 mm
- Diameter of cam Ø: 8.5 mm
- Diameter of rosette: 35 x 155 x 14 mm
- Fixing screws: incl. 2 pieces M6 x 80 mm



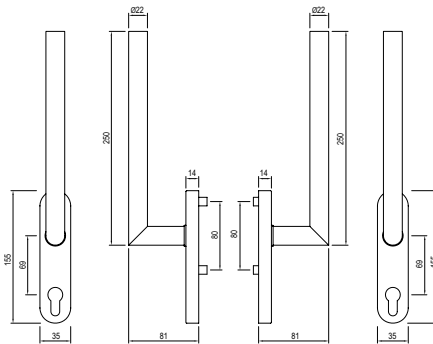
Material	Surface	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	95 mm (loose)	384.969 / 6500 

# WINDOW HARDWARE

## Sliding door lever handles greenteQ

### greenteQ Set HSTG 61.ER PZ

greenteQ sliding door lever handle set HSTG 61.ER PZ; with profile cylinder hole; for square spindle 10 mm; Dimension of cam 10 mm and 180° lock-in position; invisible fixing; A separate set of accessories (2 screws M6, 2 square spindles 10 mm with different roundings) is available; stainless steel matt brushed.





#### Technical data:

- Lock-in position: 180°
- Square spindle: 10 mm
- Diameter of cam: 10 mm
- Dimension of rosette: 35 x 155 x 14 mm
- Distance: 69 mm PZ

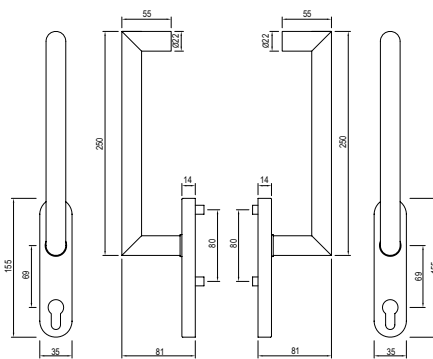
Material	Surface	VBH Article-No.
Stainless steel	matt brushed	399.429 / 6500 

### Set of accessories greenteQ Set HSTG 61.ER PZ

Version	Door thickness	VBH Article-No.
Set of accessories (2 screws M6, 2 square spindles 10 mm)	70 - 80 mm	399.431 / 6500 
Set of accessories (2 screws M6, 2 square spindles 10 mm)	80 - 90 mm	399.433 / 6500 

### greenteQ Set HSTG 80.ER PZ

greenteQ sliding door lever handle set HSTG 80.ER PZ; with profile cylinder hole; for square spindle 10 mm; Dimension of cam 10 mm and 180° lock-in position; invisible fixing; A separate set of accessories (2 screws M6, 2 square spindles 10 mm with different roundings) is available; stainless steel matt brushed.





#### Technical data:

- Lock-in position: 180°
- Square spindle: 10 mm
- Diameter of cam: 10 mm
- Dimension of rosette: 35 x 155 x 14 mm
- Distance: 69 mm PZ

Material	Surface	VBH Article-No.
Stainless steel	matt brushed	399.430 / 6500 

### Set of accessories greenteQ Set HSTG 80.ER PZ

Version	Door thickness	VBH Article-No.
Set of accessories (2 screws M6, 2 square spindles 10 mm)	70 - 80 mm	399.431 / 6500 
Set of accessories (2 screws M6, 2 square spindles 10 mm)	80 - 90 mm	399.433 / 6500 

# WINDOW HARDWARE

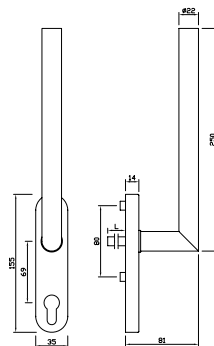
## Sliding door lever handles greenteQ


### greenteQ HSTG 61.ER PZ

greenteQ sliding door lever handle HSTG 61.ER PZ; with profile cylinder hole; square spindle 10 mm; Dimension of cam 10 mm and 180° lock-in position; invisible fixing; including screws M6 x 80 mm (2 pieces); stainless steel matt brushed.

#### Technical data:

- Lock-in position: 180°
- Squarespindle: 2 x 95 mm (loose) rounded with R 0,5 or 1,0 mm
- Diameter of cam: 10 mm
- Dimension of rosette: 35 x 155 x 14 mm
- Distance: 69 mm PZ
- Screws: incl. M6 x 80 mm (2 pieces)



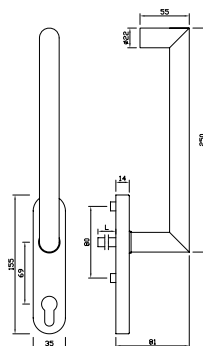
Material	Surface	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	95 mm (loose)	399.427 / 6500 


### greenteQ HSTG 80.ER PZ

greenteQ sliding door lever handle HSTG 80.ER PZ; with profile cylinder hole; square spindle 10 mm; Dimension of cam 10 mm and 180° lock-in position; invisible fixing; including screws M6 x 80 mm (2 pieces); stainless steel matt brushed.

#### Technical data:

- Lock-in position: 180°
- Squarespindle: 2 x 95 mm (loose) rounded with R 0,5 or 1,0 mm
- Diameter of cam: 10 mm
- Dimension of rosette: 35 x 155 x 14 mm
- Distance: 69 mm PZ
- Screws: incl. M6 x 80 mm (2 pieces)



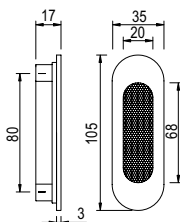
Material	Surface	Length of square spindle	VBH Article-No.
Stainless steel	matt brushed	95 mm (loose)	399.428 / 6500 

### greenteQ Flush pull HSTG

greenteQ flush pull for sliding door handle; stainless steel matt brushed, for paired screw with a sliding door lever handles HSTG; for M6 screws (not included).

#### Technical data:

- Material: Stainless steel (steel number 1.4301)
- Surface: matt brushed
- Dimension: 35 x 105 mm
- Screws: M6 (not included in delivery)



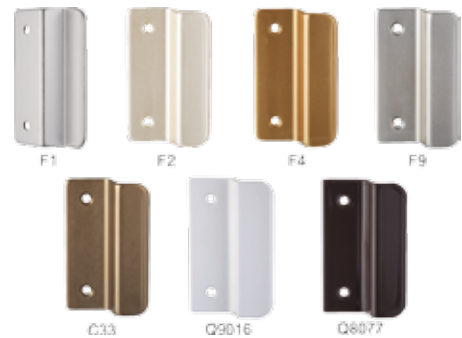
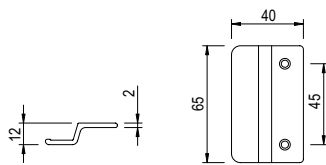
Material	Surface	Type of punch	VBH Article-No.
Stainless steel	matt brushed	blind	384.970 / 6500 








# WINDOW HARDWARE

## Drawer pulls greenteQ

### greenteQ Drawer pulls without bar

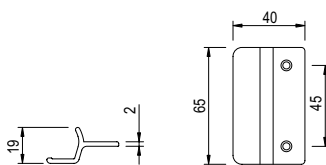
greenteQ drawer pull; without bar, aluminum, for balcony and terrace doors made of wood and plastic.









Material	Surface	Colour code	Variant	VBH Article-No.
Aluminium	silver anodized	F1	without bar	808.012 / 0100 
Aluminium	nickel silver anodized	F2	without bar	808.012 / 0200 
Aluminium	bronze anodized	F4	without bar	808.012 / 0400 
Aluminium	steel anodized	F9	without bar	808.012 / 4700 
Aluminium	medium bronze anodized	C33	without bar	808.012 / 3300 
Aluminium	white coated	Q9016	without bar	808.012 / 1000 
Aluminium	brown coated	Q8077	without bar	808.012 / 0900 

### greenteQ Drawer pulls with bar

greenteQ drawer pull; with bar, aluminum, for balcony and terrace doors made of wood and plastic.



Material	Surface	Colour code	Variant	VBH Article-No.
Aluminium	silver anodized	F1	with bar	915.822 / 0100 
Aluminium	nickel silver anodized	F2	with bar	915.822 / 0200 
Aluminium	bronze anodized	F4	with bar	915.822 / 0400 
Aluminium	medium bronze anodized	C33	with bar	915.822 / 3300 
Aluminium	white coated	Q9016	with bar	915.822 / 1000 
Aluminium	brown coated	Q8077	with bar	915.822 / 0900 

# WINDOW HARDWARE

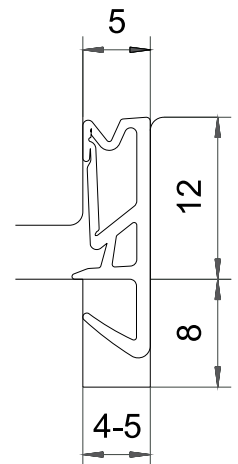
## Seals greenteQ

### greenteQ Sash seals 12 TPE

greenteQ Sash seals 12 TPE - a timber window seal, easy to install. greenteQ Sash seals offer an excellent durability. Furthermore exists a good resistance against humidity, UV, ozone as well as acid-base-proof. Product features are also a good elastic recovery and compatibility to conventional and water based laquer (Test on compatibility required in particular cases). The seals with its smooth and non siliconised surface with excellent appearance are available in various colours: black, white, graphite grey, brown and beige. Of course greenteQ Sash seals are full recyclable and consequently environment-friendly.

- excellent sealing and insulation values
- quick and easy assembly, a firm grip in the groove
- high tolerance compensation
- notching corners or simply weld
- co-extruded hard base and inlaid bow string will shrink or stretch before
- silicon-free

Surface	Fold height	Slot	PU	VBH Article-No.
black	12 mm	4 - 5 mm	150 m	180.032 / 0011
white	12 mm	4 - 5 mm	150 m	180.032 / 0012
graphite grey	12 mm	4 - 5 mm	150 m	180.032 / 0013
brown	12 mm	4 - 5 mm	150 m	180.032 / 0014
rustic	12 mm	4 - 5 mm	150 m	180.032 / 0015
beige	12 mm	4 - 5 mm	150 m	180.032 / 0016
light oak	12 mm	4 - 5 mm	150 m	180.032 / 0017

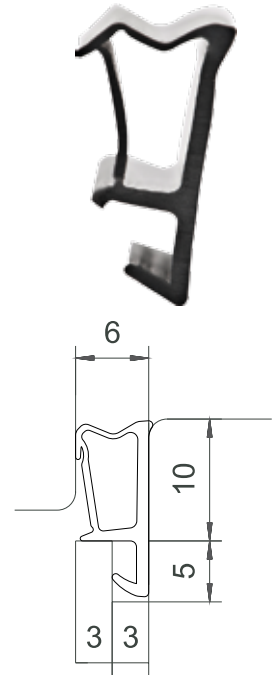


### greenteQ Sash upstand seal 10 TPE

greenteQ sash upstand seals offer an excellent durability. Furthermore exists a good resistance against humidity, UV, ozone as well as acid-base-proof. Product features are also a good elastic recovery and compatibility to conventional and water based laquer (Test on compatibility required in particular cases). The seals with its smooth and non siliconised surface with excellent appearance are available in various colours. Of course greenteQ sash upstand seals are full recyclable and consequently environment-friendly.

- excellent sealing and insulation values
- easy and fast to install
- securely fixed in the slot
- high tolerance equalisation
- corners easy to cut or to weld
- co-extruded rigid base (and inserted yarn) avoid shrinkage or elongation
- silicone-free

Surface	Fold height	Slot	PU	VBH Article-No.	
black	10 mm	3 mm	200 m	180.033 / 0031	
white	10 mm	3 mm	200 m	180.033 / 0032	
graphite grey	10 mm	3 mm	200 m	180.033 / 0033	
brown	10 mm	3 mm	200 m	180.033 / 0034	
rustic	10 mm	3 mm	200 m	180.033 / 0035	
beige	10 mm	3 mm	200 m	180.033 / 0036	
light oak	10 mm	3 mm	200 m	180.033 / 0037	

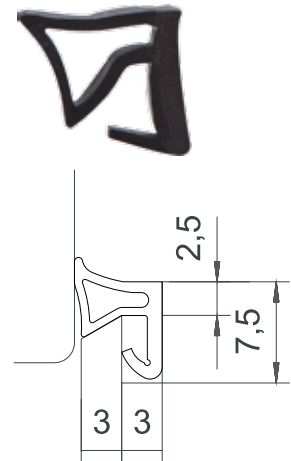


### greenteQ Sash upstand seal 3 TPE

greenteQ sash upstand seals offer an excellent durability. Furthermore exists a good resistance against humidity, UV, ozone as well as acid-base-proof. Product features are also a good elastic recovery and compatibility to conventional and water based laquer (Test on compatibility required in particular cases). The seals with its smooth and non siliconised surface with excellent appearance are available in various colours. Of course greenteQ sash upstand seals are full recyclable and consequently environment-friendly.

- excellent sealing and insulation values
- easy and fast to install
- securely fixed in the slot
- high tolerance equalisation
- corners easy to cut or to weld
- co-extruded rigid base (and inserted yarn) avoid shrinkage or elongation
- silicone-free

Surface	Fold height	Slot	PU	VBH Article-No.	
black	5 mm	3 mm	200 m	180.033 / 0021	
white	5 mm	3 mm	200 m	180.033 / 0022	
graphite grey	5 mm	3 mm	200 m	180.033 / 0023	
brown	5 mm	3 mm	200 m	180.033 / 0024	
rustic	5 mm	3 mm	200 m	180.033 / 0025	
beige	5 mm	3 mm	200 m	180.033 / 0026	
light oak	5 mm	3 mm	200 m	180.033 / 0027	



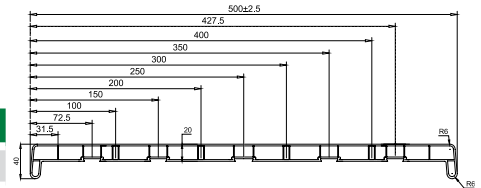
# WINDOW HARDWARE

## Internal window sills greenteQ

### greenteQ Internal window sill PVC Quality marble

The greenteQ Internal window sills do not include lead. It is easy to assemble and the PVC-coating does not include formaldehyde. The lifetime of the greenteQ PVC-Internal window sill takes 35 years. greenteQ PVC-Internal window sills are cleaned with fluid cleaning products.

- Absolute durability against water and damp
- Elegant, silky smooth appearance
- UV-resistant
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Medium heat durability
- High scratch resistance
- No deforming due to water
- High durability to acidic mediums
- Storage possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).

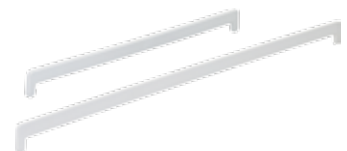


Projection	Surface	Length	VBH Article-No.
100 mm	marble	6,000 mm	386.582 / 0860
150 mm	marble	6,000 mm	386.583 / 0860
200 mm	marble	6,000 mm	386.584 / 0860
250 mm	marble	6,000 mm	386.585 / 0860
300 mm	marble	6,000 mm	386.586 / 0860
350 mm	marble	6,000 mm	386.587 / 0860
400 mm	marble	6,000 mm	386.588 / 0860
450 mm	marble	6,000 mm	386.589 / 0860
500 mm	marble	6,000 mm	386.590 / 0860
550 mm	marble	6,000 mm	386.591 / 0860
600 mm	marble	6,000 mm	386.592 / 0860
700 mm	marble	6,000 mm	386.593 / 0860

### greenteQ Side end caps

Material: polystyrene. With moulded edge corresponding to the form of the window sill.

Projection	Surface	PU	VBH Article-No.
480 mm	white	1 pc.	386.596 / 1000
480 mm	golden oak	1 pc.	386.596 / 8160
480 mm	mahogany	1 pc.	386.596 / 8520
700 mm	white	1 pc.	386.597 / 1000



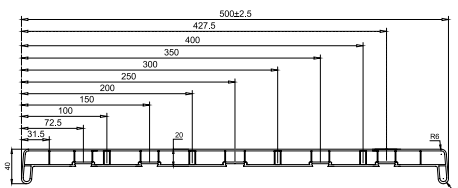
# WINDOW HARDWARE

## Internal window sills greenteQ

### greenteQ Internal window sill PVC Quality white

The greenteQ Internal window sills do not include lead. It is easy to assemble and the PVC-coating does not include formaldehyde. The lifetime of the greenteQ PVC-Internal window sill takes 35 years. greenteQ PVC-Internal window sills are cleaned with fluid cleaning products.

- Absolute durability against water and damp
- Elegant, silky smooth appearance
- UV-resistant
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Medium heat durability
- High scratch resistance
- No deforming due to water
- High durability to acidic mediums
- Storage possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).



Projection	Surface	Length	VBH Article-No.
100 mm	white	6,000 mm	386.582 / 1000
150 mm	white	6,000 mm	386.583 / 1000
200 mm	white	6,000 mm	386.584 / 1000
250 mm	white	6,000 mm	386.585 / 1000
300 mm	white	6,000 mm	386.586 / 1000
350 mm	white	6,000 mm	386.587 / 1000
400 mm	white	6,000 mm	386.588 / 1000
450 mm	white	6,000 mm	386.589 / 1000
500 mm	white	6,000 mm	386.590 / 1000
550 mm	white	6,000 mm	386.591 / 1000
600 mm	white	6,000 mm	386.592 / 1000
700 mm	white	6,000 mm	386.593 / 1000
800 mm	white	6,000 mm	386.594 / 1000
900 mm	white	6,000 mm	386.595 / 1000

### greenteQ Connecting piece

Material: polystyrene.

Angle	Surface	PU	VBH Article-No.
90° / 135°	white	1 pc.	386.598 / 1000
90° / 135°	golden oak	1 pc.	386.598 / 8160
150° / 180°	white	1 pc.	386.599 / 1000
150° / 180°	golden oak	1 pc.	386.599 / 8160





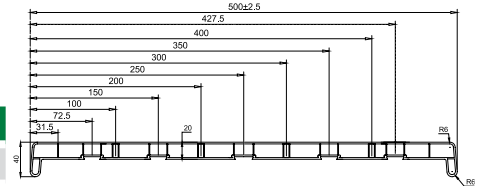
# WINDOW HARDWARE

## Internal window sills greenteQ

### greenteQ Internal window sill PVC Quality golden oak

The greenteQ Internal window sills do not include lead. It is easy to assemble and the PVC-coating does not include formaldehyde. The lifetime of the greenteQ PVC-Internal window sill takes 35 years. greenteQ PVC-Internal window sills are cleaned with fluid cleaning products.

- Absolute durability against water and damp
- Elegant, silky smooth appearance
- UV-resistant
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Medium heat durability
- High scratch resistance
- No deforming due to water
- High durability to acidic mediums
- Storage possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).

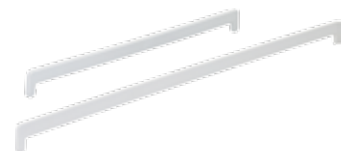


Projection	Surface	Length	VBH Article-No.
100 mm	golden oak	6,000 mm	386.582 / 8160
150 mm	golden oak	6,000 mm	386.583 / 8160
200 mm	golden oak	6,000 mm	386.584 / 8160
250 mm	golden oak	6,000 mm	386.585 / 8160
300 mm	golden oak	6,000 mm	386.586 / 8160
350 mm	golden oak	6,000 mm	386.587 / 8160
400 mm	golden oak	6,000 mm	386.588 / 8160
450 mm	golden oak	6,000 mm	386.589 / 8160
500 mm	golden oak	6,000 mm	386.590 / 8160
550 mm	golden oak	6,000 mm	386.591 / 8160
600 mm	golden oak	6,000 mm	386.592 / 8160
700 mm	golden oak	6,000 mm	386.593 / 8160

### greenteQ Side end caps

Material: polystyrene. With moulded edge corresponding to the form of the window sill.

Projection	Surface	PU	VBH Article-No.
480 mm	white	1 pc.	386.596 / 1000
480 mm	golden oak	1 pc.	386.596 / 8160
480 mm	mahogany	1 pc.	386.596 / 8520
700 mm	white	1 pc.	386.597 / 1000



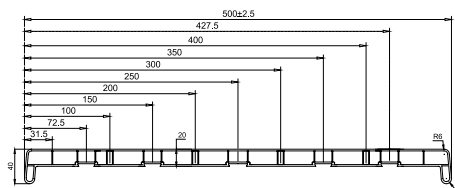
# WINDOW HARDWARE

## Internal window sills greenteQ

### greenteQ Internal window sill PVC Quality mahogany

The greenteQ Internal window sills do not include lead. It is easy to assemble and the PVC-coating does not include formaldehyde. The lifetime of the greenteQ PVC-Internal window sill takes 35 years. greenteQ PVC-Internal window sills are cleaned with fluid cleaning products.

- Absolute durability against water and damp
- Elegant, silky smooth appearance
- UV-resistant
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Medium heat durability
- High scratch resistance
- No deforming due to water
- High durability to acidic mediums
- Storage possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).



Projection	Surface	Length	VBH Article-No.
100 mm	mahogany	6,000 mm	386.582 / 8520
150 mm	mahogany	6,000 mm	386.583 / 8520
200 mm	mahogany	6,000 mm	386.584 / 8520
250 mm	mahogany	6,000 mm	386.585 / 8520
300 mm	mahogany	6,000 mm	386.586 / 8520
350 mm	mahogany	6,000 mm	386.587 / 8520
400 mm	mahogany	6,000 mm	386.588 / 8520
450 mm	mahogany	6,000 mm	386.589 / 8520
500 mm	mahogany	6,000 mm	386.590 / 8520
550 mm	mahogany	6,000 mm	386.591 / 8520
600 mm	mahogany	6,000 mm	386.592 / 8520
700 mm	mahogany	6,000 mm	386.593 / 8520

### greenteQ Connecting piece

Material: polystyrene.

Angle	Surface	PU	VBH Article-No.
90° / 135°	white	1 pc.	386.598 / 1000
90° / 135°	golden oak	1 pc.	386.598 / 8160
150° / 180°	white	1 pc.	386.599 / 1000
150° / 180°	golden oak	1 pc.	386.599 / 8160



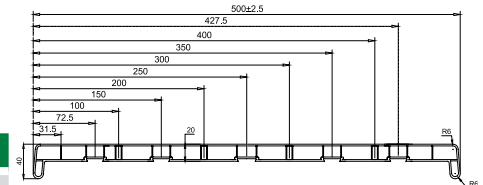
# WINDOW HARDWARE

## Internal window sills greenteQ

### greenteQ Internal window sill VPL Quality Premium marble

The greenteQ Internal window sills are coated with a decorative VPL (Variable Plasticized Laminate) protective foil on an acrylic resin base. They are made off 100% hard PVC-material and have internal strengthening-ribs for bearing various terms of pressure (pushing, bending, beating). The VPL-coating does not include formaldehyde or lead. Because of using calcium-zinc-stabilisations (Ca/Zn) instead of formaldehyde or lead the greenteQ VPL-Internal window sills are conform to the sophisticated ecological demand of the norm ISO 14.000. The storage of the greenteQ VPL-Internal window sill is possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).

- Absolute durability against damp and humidity
- UV-resistant
- High scratch resistance
- High durability to acidic mediums
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Lifetime: 50 years



Projection	Surface	Length	VBH Article-No.
100 mm	marble	6,000 mm	386.569 / 0860
150 mm	marble	6,000 mm	386.570 / 0860
200 mm	marble	6,000 mm	386.571 / 0860
200 mm	marble	6,000 mm	386.572 / 0860
250 mm	marble	6,000 mm	386.573 / 0860
300 mm	marble	6,000 mm	386.574 / 0860
400 mm	marble	6,000 mm	386.575 / 0860
450 mm	marble	6,000 mm	386.576 / 0860
500 mm	marble	6,000 mm	386.577 / 0860
550 mm	marble	6,000 mm	386.578 / 0860
600 mm	marble	6,000 mm	386.579 / 0860
700 mm	marble	6,000 mm	386.580 / 0860

### greenteQ Side end caps

Material: polystyrene. With moulded edge corresponding to the form of the window sill.

Projection	Surface	PU	VBH Article-No.
480 mm	white	1 pc.	386.596 / 1000
480 mm	golden oak	1 pc.	386.596 / 8160
480 mm	mahogany	1 pc.	386.596 / 8520
700 mm	white	1 pc.	386.597 / 1000



# WINDOW HARDWARE

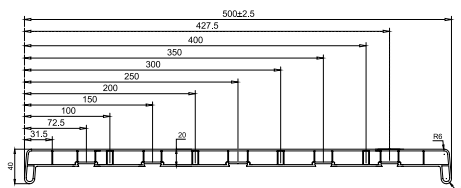
## Internal window sills greenteQ

### greenteQ Internal window sill VPL Quality Premium white

The greenteQ Internal window sills are coated with a decorative VPL (Variable Plasticized Laminate) protective foil on an acrylic resin base. They are made off 100% hard PVC-material and have internal strengthening-ribs for bearing various terms of pressure (pushing, bending, beating). The VPL-coating does not include formaldehyde or lead. Because of using calcium-zinc-stabilisations (Ca/Zn) instead of formaldehyde or lead the greenteQ VPL-Internal window sills are conform to the sophisticated ecological demand of the norm ISO 14.000.

The storage of the greenteQ VPL-Internal window sill is possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).

- Absolute durability against damp and humidity
- UV-resistant
- High scratch resistance
- High durability to acidic mediums
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Lifetime: 50 years



Projection	Surface	Length	VBH Article-No.
100 mm	white	6,000 mm	386.569 / 1000
150 mm	white	6,000 mm	386.570 / 1000
200 mm	white	6,000 mm	386.571 / 1000
250 mm	white	6,000 mm	386.572 / 1000
300 mm	white	6,000 mm	386.573 / 1000
350 mm	white	6,000 mm	386.574 / 1000
400 mm	white	6,000 mm	386.575 / 1000
450 mm	white	6,000 mm	386.576 / 1000
500 mm	white	6,000 mm	386.577 / 1000
550 mm	white	6,000 mm	386.578 / 1000
600 mm	white	6,000 mm	386.579 / 1000
700 mm	white	6,000 mm	386.580 / 1000

### greenteQ Connecting piece

Material: polystyrene.

Angle	Surface	PU	VBH Article-No.
90° / 135°	white	1 pc.	386.598 / 1000
90° / 135°	golden oak	1 pc.	386.598 / 8160
150° / 180°	white	1 pc.	386.599 / 1000
150° / 180°	golden oak	1 pc.	386.599 / 8160



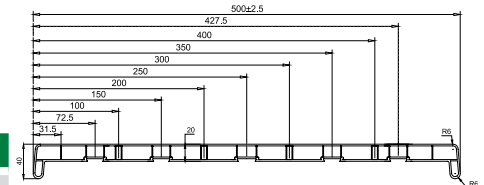
# WINDOW HARDWARE

## Internal window sills greenteQ

### greenteQ Internal window sill VPL Quality Premium light oak

The greenteQ Internal window sills are coated with a decorative VPL (Variable Plasticized Laminate) protective foil on an acrylic resin base. They are made off 100% hard PVC-material and have internal strengthening-ribs for bearing various terms of pressure (pushing, bending, beating). The VPL-coating does not include formaldehyde or lead. Because of using calcium-zinc-stabilisations (Ca/Zn) instead of formaldehyde or lead the greenteQ VPL-Internal window sills are conform to the sophisticated ecological demand of the norm ISO 14.000. The storage of the greenteQ VPL-Internal window sill is possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).

- Absolute durability against damp and humidity
- UV-resistant
- High scratch resistance
- High durability to acidic mediums
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Lifetime: 50 years

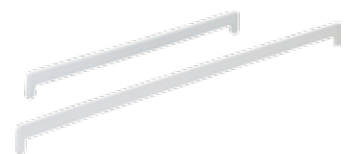


Projection	Surface	Length	VBH Article-No.
100 mm	light oak	6,000 mm	386.569 / 8150
150 mm	light oak	6,000 mm	386.570 / 8150
200 mm	light oak	6,000 mm	386.571 / 8150
250 mm	light oak	6,000 mm	386.572 / 8150
300 mm	light oak	6,000 mm	386.573 / 8150
350 mm	light oak	6,000 mm	386.574 / 8150
400 mm	light oak	6,000 mm	386.575 / 8150
450 mm	light oak	6,000 mm	386.576 / 8150
500 mm	light oak	6,000 mm	386.577 / 8150
550 mm	light oak	6,000 mm	386.578 / 8150
600 mm	light oak	6,000 mm	386.579 / 8150
700 mm	light oak	6,000 mm	386.580 / 8150

### greenteQ Side end caps

Material: polystyrene. With moulded edge corresponding to the form of the window sill.

Projection	Surface	PU	VBH Article-No.
480 mm	white	1 pc.	386.596 / 1000
480 mm	golden oak	1 pc.	386.596 / 8160
480 mm	mahogany	1 pc.	386.596 / 8520
700 mm	white	1 pc.	386.597 / 1000



# WINDOW HARDWARE

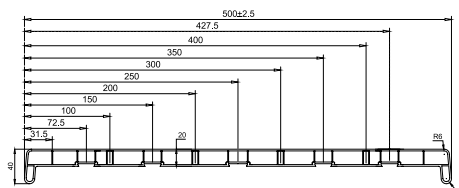
## Internal window sills greenteQ

### greenteQ Internal window sill VPL Quality Premium golden oak

The greenteQ Internal window sills are coated with a decorative VPL (Variable Plasticized Laminate) protective foil on an acrylic resin base. They are made off 100% hard PVC-material and have internal strengthening-ribs for bearing various terms of pressure (pushing, bending, beating). The VPL-coating does not include formaldehyde or lead. Because of using calcium-zinc-stabilisations (Ca/Zn) instead of formaldehyde or lead the greenteQ VPL-Internal window sills are conform to the sophisticated ecological demand of the norm ISO 14.000.

The storage of the greenteQ VPL-Internal window sill is possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).

- Absolute durability against damp and humidity
- UV-resistant
- High scratch resistance
- High durability to acidic mediums
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Lifetime: 50 years



Projection	Surface	Length	VBH Article-No.
100 mm	golden oak	6,000 mm	386.569 / 8160
150 mm	golden oak	6,000 mm	386.570 / 8160
200 mm	golden oak	6,000 mm	386.571 / 8160
250 mm	golden oak	6,000 mm	386.572 / 8160
300 mm	golden oak	6,000 mm	386.573 / 8160
350 mm	golden oak	6,000 mm	386.574 / 8160
400 mm	golden oak	6,000 mm	386.575 / 8160
450 mm	golden oak	6,000 mm	386.576 / 8160
500 mm	golden oak	6,000 mm	386.577 / 8160
550 mm	golden oak	6,000 mm	386.578 / 8160
600 mm	golden oak	6,000 mm	386.579 / 8160
700 mm	golden oak	6,000 mm	386.580 / 8160

### greenteQ Connecting piece

Material: polystyrene.

Angle	Surface	PU	VBH Article-No.
90° / 135°	white	1 pc.	386.598 / 1000
90° / 135°	golden oak	1 pc.	386.598 / 8160
150° / 180°	white	1 pc.	386.599 / 1000
150° / 180°	golden oak	1 pc.	386.599 / 8160



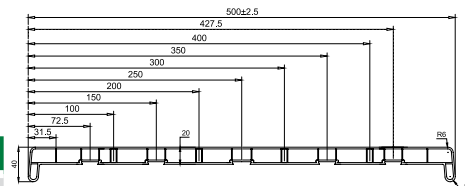
# WINDOW HARDWARE

## Internal window sills greenteQ

### greenteQ Internal window sill VPL Quality Premium mahogany

The greenteQ Internal window sills are coated with a decorative VPL (Variable Plasticized Laminate) protective foil on an acrylic resin base. They are made off 100% hard PVC-material and have internal strengthening-ribs for bearing various terms of pressure (pushing, bending, beating). The VPL-coating does not include formaldehyde or lead. Because of using calcium-zinc-stabilisations (Ca/Zn) instead of formaldehyde or lead the greenteQ VPL-Internal window sills are conform to the sophisticated ecological demand of the norm ISO 14.000. The storage of the greenteQ VPL-Internal window sill is possible in every climatic environment (e.g. higher humidity, temperature gradient, direct solar irradiation, etc.).

- Absolute durability against damp and humidity
- UV-resistant
- High scratch resistance
- High durability to acidic mediums
- Teflon-effect (no interaction with assembly foam)
- Easy assembling
- Lifetime: 50 years



Projection	Surface	Length	VBH Article-No.
100 mm	mahogany	6,000 mm	386.569 / 8520
150 mm	mahogany	6,000 mm	386.570 / 8520
200 mm	mahogany	6,000 mm	386.571 / 8520
250 mm	mahogany	6,000 mm	386.572 / 8520
300 mm	mahogany	6,000 mm	386.573 / 8520
350 mm	mahogany	6,000 mm	386.574 / 8520
400 mm	mahogany	6,000 mm	386.575 / 8520
450 mm	mahogany	6,000 mm	386.576 / 8520
500 mm	mahogany	6,000 mm	386.577 / 8520
550 mm	mahogany	6,000 mm	386.578 / 8520
600 mm	mahogany	6,000 mm	386.579 / 8520
700 mm	mahogany	6,000 mm	386.580 / 8520

### greenteQ Side end caps

Material: polystyrene. With moulded edge corresponding to the form of the window sill.

Projection	Surface	PU	VBH Article-No.
480 mm	white	1 pc.	386.596 / 1000
480 mm	golden oak	1 pc.	386.596 / 8160
480 mm	mahogany	1 pc.	386.596 / 8520
700 mm	white	1 pc.	386.597 / 1000



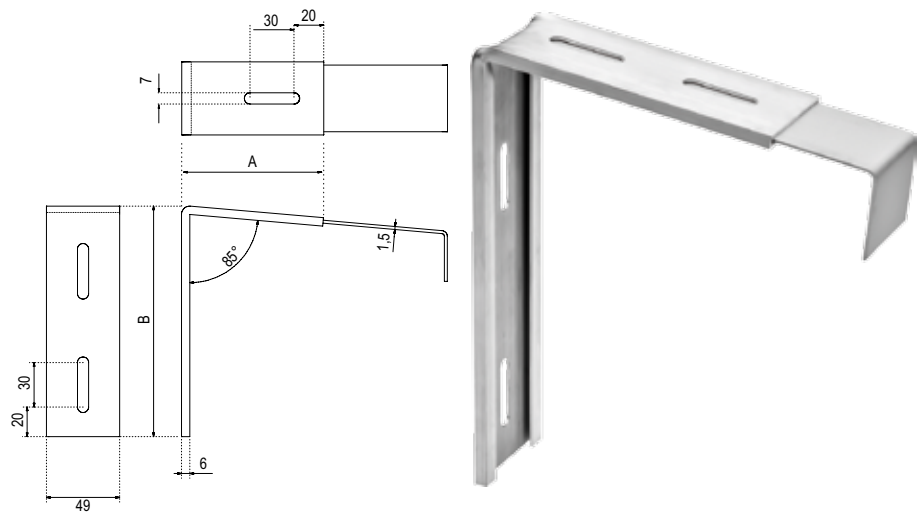
### greenteQ Vario bracket

The greenteQ vario bracket is a two-part component consisting of an angle bracket with an elongated slot for attachment to the masonry and a slide plate angle for bridging the insulation panel thickness. We expressly recommend the use of the greenteQ vario bracket in full thermal insulation for the thermal façade and for attachment of the aluminium window sill to the masonry. Use of the greenteQ vario bracket is intended to guarantee the controlled drainage of surface water. The window sill is maintained at a slope of  $\geq 5$  in order to prevent the window sill from becoming dislodged from the insulation plate system.

Material: Aluminium

Material thickness of the bracket: 1,5 mm

Packaging unit: 1 piece / 100 pieces per box



**Proper configuration of the required size:  
Insulation thickness + 1.5 cm for adhesive  
and plaster + at least 4 cm Window sill  
projection**

Description	Leg length A	Leg length B	For usage up to	Distance end of window sills	Distance bracket to bracket	VBH Article-No.
Vario bracket 25/110 mm	60 mm	125 mm	110 mm	200 - 400 mm	800 mm	400.282 / 0110
Vario bracket 25/150 mm	85 mm	105 mm	150 mm	200 - 400 mm	800 mm	400.282 / 0150
Vario bracket 25/180 mm	95 mm	160 mm	180 mm	200 - 400 mm	800 mm	400.282 / 0180
Vario bracket 25/225 mm	125 mm	180 mm	225 mm	200 - 400 mm	800 mm	400.282 / 0225
Vario bracket 25/300 mm	150 mm	200 mm	300 mm	200 - 400 mm	600 mm	400.282 / 0300
Vario bracket 40/110 mm	60 mm	125 mm	110 mm	200 - 400 mm	800 mm	391.739 / 0110
Vario bracket 40/150 mm	85 mm	105 mm	150 mm	200 - 400 mm	800 mm	391.739 / 0150
Vario bracket 40/180 mm	95 mm	160 mm	180 mm	200 - 400 mm	800 mm	391.739 / 0180
Vario bracket 40/225 mm	125 mm	180 mm	225 mm	200 - 400 mm	800 mm	391.739 / 0225
Vario bracket 40/300 mm	150 mm	200 mm	300 mm	200 - 400 mm	600 mm	391.739 / 0300



# WINDOW HARDWARE

## Roller shutter technology greenteQ

### greenteQ Roller shutter motor

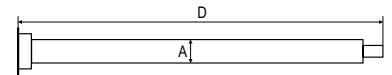
greenteQ roller shutter motors allow roller shutters to be motorised for trouble-free, affordable operation.

They are extremely robust, exceptionally reliable, long-lasting and absolutely maintenance-free.

They operate precisely and very quietly.

The space-saving installation in the winding shaft and setting of the end positions can be accomplished quickly and easily.





To prevent damage due to overloading, an integrated thermostat automatically shuts off the motor when the maximum permitted temperature is attained.



#### Technical data:

- Connection (V/Hz): 230 / 50
- Cable length in m: 2,5
- Runtime in min.:4
- Protection type: IP44



Type	Speed	Torque	Maximum size	Power	Ø Tube (A)	Length (D)	VBH Article-No.
Mini	17 U/min	10 Nm	25 kg	120 W	35 mm	528 mm	386.562 / 0000 
Micro	15 U/min	10 Nm	20 kg	120 W	45 mm	489 mm	386.563 / 0000 
Ultra	15 U/min	20 Nm	40 kg	160 W	45 mm	489 mm	386.564 / 0000 
Mega	15 U/min	40 Nm	70 kg	260 W	45 mm	559 mm	391.316 / 0000 


### greenteQ Adapter set 50 mm octagonal



Type	Dimension	PU	VBH Article-No.
Octagonal tube (PVC)	50 mm	1 pc.	387.168 / 0000 




### greenteQ Adapter set 70 mm octagonal

Type	Dimension	PU	VBH Article-No.
Octagonal tube (PVC)	70 mm	1 pc.	391.317 / 0000 




### greenteQ Bracket for front-mounted shutter box



Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.169 / 0000 



### greenteQ Plastic bracket front mounted to clip

Version	Type of bearing	PU	VBH Article-No.
to clip	PVC	1 pc.	390.802 / 0000 



# WINDOW HARDWARE

## Roller shutter technology greenteQ

### greenteQ Bracket for wall shutter box

Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.170 / 0000



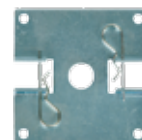
### greenteQ Universal bracket for wall shutter box

Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.811 / 0000



### greenteQ Wall bracket for VEKA

Version	Type of bearing	PU	VBH Article-No.
VEKA	metal	1 pc.	387.817 / 0000



### greenteQ Toggle switch AP

Toggle switch for on-wall mounting, notched / haptic, exchangeable, single pole, 10 A.

Mounting	Surface	PU	VBH Article-No.
Surface-mounted	white	1 pc.	389.953 / 0000



### Installation cable electronic + standard

Description	PU	VBH Article-No.
Installation cable electronic + standard	1 pc.	399.775 / 0000




### greenteQ Multiple control unit

With the multiple control unit you can very easily combine roller shutter motors into groups and subgroups. It offers maximum operational safety, an especially small design (height only approx. 20 mm), complete separation of load and control circuits and a bi-directional safety catch. Per multiple control unit one or two shutter motors can be connected. For local control only buttons must be used, no switches. The master unit can either be a roller shutter button, switch or timer. The master command always overrides the local command. The installation instructions can be found on our website [www.greenteQ.info](http://www.greenteQ.info). **A maximum of 2 motors for 1 relays control!**



#### Technical data:

- Operating voltage: 230 V / 50 Hz +/-10%
- Power consumption: 10 mA (relay)
- Switch capacity: max. 2 A, 250 V AC
- Motor load: max. 750 VA
- Dimensions: H 20 x W 47 x L 51 mm

Connectable drives	Mounting	PU	VBH Article-No.
2	flush mounted/Surface mounted	1 pc.	389.405 / 0000 

# WINDOW HARDWARE

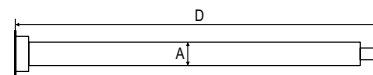
## Roller shutter technology greenteQ

### greenteQ Electronic roller shutter motor

greenteQ electronic roller shutter motors are used for control of roller shutters and comparable applications with short-term operation. They are robust and reliable. The installation and setting are easy to manage by just pressing a button. Furthermore they provide an integrated detection of obstacles in both directions.



greenteQ roller shutter motors are the easy, low-cost way to motorise roller shutters. greenteQ roller shutter motors are extremely robust, exceptionally reliable, durable and completely maintenance-free. They work precisely and very quietly. Installing them in a roller shaft saves space and adjusting the travel limits can be done quickly and easily. In the event of overloading, an integrated thermostat prevents any damage by automatically switching off once it reaches the maximum permitted temperature.

The greenteQ Mini electronic roller shutter motor fits in systems with shaft diameters from as little as 40 mm for small-scale shutters and roller blinds. The Ultra electronic model fit in systems with 60 mm shaft diameters.




#### Technical data:

- Connection (V/Hz): 230 / 50
- Cable length in m: 2,5
- Runtime in min.: 4
- Protection type: IP44

Type	Speed	Torque	Maximum size	Power	Ø Tube (A)	Length (D)	VBH Article-No.
Mini	17 U/min	10 Nm	25 kg	120 W	35 mm	598 mm	399.350 / 0000 
Ultra	15 U/min	20 Nm	40 kg	160 W	45 mm	534 mm	399.353 / 0000 


### greenteQ Adapter set 50 mm octagonal



Type	Dimension	PU	VBH Article-No.
Octagonal tube (PVC)	50 mm	1 pc.	387.168 / 0000 




### greenteQ Adapter set 70 mm octagonal

Type	Dimension	PU	VBH Article-No.
Octagonal tube (PVC)	70 mm	1 pc.	391.317 / 0000 



### greenteQ Bracket for front-mounted shutter box


Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.169 / 0000 



# WINDOW HARDWARE


## Roller shutter technology greenteQ

### greenteQ Plastic bracket front mounted to clip

Version	Type of bearing	PU	VBH Article-No.
to clip	PVC	1 pc.	390.802 / 0000 




### greenteQ Bracket for wall shutter box

Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.170 / 0000 




### greenteQ Universal bracket for wall shutter box

Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.811 / 0000 




### greenteQ Wall bracket for VEKA

Version	Type of bearing	PU	VBH Article-No.
VEKA	metal	1 pc.	387.817 / 0000 



### greenteQ Toggle switch AP

Toggle switch for on-wall mounting,  
notched / haptic, exchangeable,  
single pole, 10 A.

Mounting	Surface	PU	VBH Article-No.
Surface-mounted	white	1 pc.	389.953 / 0000 



### Installation cable electronic + standard

Description	PU	VBH Article-No.
Installation cable electronic + standard	1 pc.	399.775 / 0000



### greenteQ External radio receiver

The greenteQ external radio receiver is used for integrating greenteQ standard- and electronic shutter motors in a radio system. On the external receiver supply and motor are easily connected. The external receiver can be easily taught to all the greenteQ transmitters. With its small dimensions it is easy to accommodate in the shutter box.

Description	PU	VBH Article-No.
External radio receiver	1 pc.	399.086 / 0000



### greenteQ Multiple control unit

With the multiple control unit you can very easily combine roller shutter motors into groups and subgroups. It offers maximum operational safety, an especially small design (height only approx. 20 mm), complete separation of load and control circuits and a bi-directional safety catch. Per multiple control unit one or two shutter motors can be connected. For local control only buttons must be used, no switches. The master unit can either be a roller shutter button, switch or timer. The master command always overrides the local command. The installation instructions can be found on our website [www.greenteQ.info](http://www.greenteQ.info). **A maximum of 2 motors for 1 relays control!**

#### Technical data:

- Operating voltage: 230 V / 50 Hz +/-10%
- Power consumption: 10 mA (relay)
- Switch capacity: max. 2 A, 250 V AC
- Motor load: max. 750 VA
- Dimensions: H 20 x W 47 x L 51 mm

Connectable drives	Mounting	PU	VBH Article-No.
2	flush mounted/Surface mounted	1 pc.	389.405 / 0000



# WINDOW HARDWARE

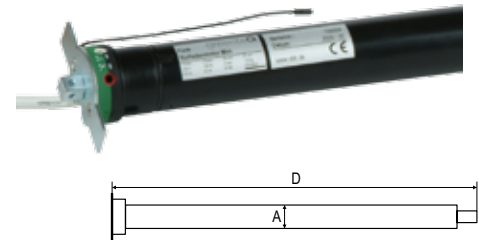
## Roller shutter technology greenteQ

### greenteQ Radio-controlled roller shutter motor

greenteQ radio-controlled products provide wireless control of roller shutters and comparable applications for short-term operation. They are robust and reliable. The connection and programming can be accomplished quickly and easily. For use in a dry environment.

**Technical data:**

- Connection (V/Hz): 230 / 50
- Cable length in m: 2,5
- Runtime in min.: 4
- Protection type: IP44



Type	Speed	Torque	Maximum size	Power	Ø Tube (A)	Length (D)	VBH Article-No.
Mini	17 U/min	10 Nm	25 kg	120 W	35 mm	610 mm	386.565 / 0000
Ultra	15 U/min	20 Nm	34 kg	160 W	45 mm	630 mm	386.566 / 0000

### greenteQ Adapter set 50 mm octagonal



Type	Dimension	PU	VBH Article-No.
Octagonal tube (PVC)	50 mm	1 pc.	387.168 / 0000



### greenteQ Adapter set 70 mm octagonal

Type	Dimension	PU	VBH Article-No.
Octagonal tube (PVC)	70 mm	1 pc.	391.317 / 0000



### greenteQ Bracket for front-mounted shutter box

Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.169 / 0000



### greenteQ Plastic bracket front mounted to clip

Version	Type of bearing	PU	VBH Article-No.
to clip	PVC	1 pc.	390.802 / 0000



# WINDOW HARDWARE

## Roller shutter technology greenteQ

### greenteQ Bracket for wall shutter box

Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.170 / 0000



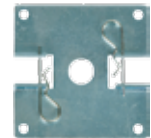
### greenteQ Universal bracket for wall shutter box

Version	Type of bearing	PU	VBH Article-No.
with splint	metal	1 pc.	387.811 / 0000



### greenteQ Wall bracket for VEKA

Version	Type of bearing	PU	VBH Article-No.
VEKA	metal	1 pc.	387.817 / 0000



### greenteQ Hand-held transmitter 1-channel

Scope of supply: Wall mounting bracket, screws and battery.

Version	PU	VBH Article-No.
1-channel	1 pc.	386.567 / 0000



### greenteQ Hand-held transmitter 5-channel

A collection channel is placed between the first and the fifth channel.  
Scope of supply: Wall mounting bracket, screws and battery.

Version	PU	VBH Article-No.
5-channel	1 pc.	386.568 / 0000



### greenteQ Remote timer

- Manual mode (man): Manual operation without automatic commands.
- Automatic mode (auto): The remote timer sends an UP or DOWN command at the set times.
- Random mode (time symbol +/-): Operation as in automatic mode. However, the set times vary randomly by +/- 15 minutes.

Variants	Surface	PU	VBH Article-No.
1-channel	white	1 pc.	388.880 / 0000
15-channel	white	1 pc.	390.237 / 0000





# WINDOW HARDWARE

## Insect screen rollo

### greenteQ Insect screen rollo

The high-quality edge brushes of the moulding strip provide for optimal, gap-free closure at the bottom of the insect screen rollo. Suitable for all windows. Quick and easy solution that can be perfectly adapted to windows in a range of standard sizes.

- Quickly measured
- No floor rails required
- Easily cut to length
- The braking mechanism guarantees a gradual and controlled rolling up of the gauze
- Quick and easy assembly









#### greenteQ insect screen rollo:

Mounting variant 1, mounted at the front on the window frame

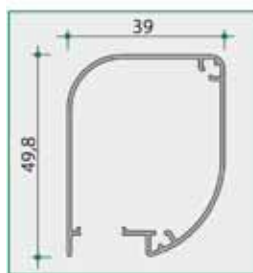
Mounting variant 2, mounted at the side between the window and wall reveal

Mounting variant 3, externally mounted on the building wall



Width	Height	Surface	PU	VBH Article-No.
1,000 mm	1,680 mm	brown	1 pc.	386.031 / 8017 
1,000 mm	1,680 mm	white	1 pc.	386.031 / 9010 
1,200 mm	1,680 mm	brown	1 pc.	386.032 / 8017 
1,200 mm	1,680 mm	white	1 pc.	386.032 / 9010 
1,400 mm	1,680 mm	brown	1 pc.	386.033 / 8017 
1,400 mm	1,680 mm	white	1 pc.	386.033 / 9010 
2,000 mm	1,680 mm	brown	1 pc.	386.034 / 8017 
2,000 mm	1,680 mm	white	1 pc.	386.034 / 9010 

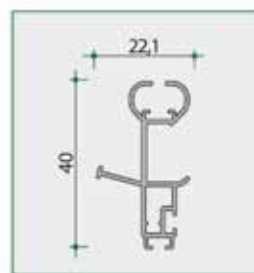
#### Aluminium profiles



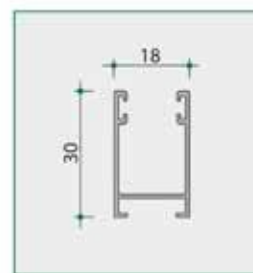
Box



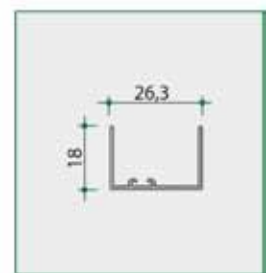
Tube



Pull bar



Normal guide



"U" shape profile

### SYSTEM OVERVIEW

One threshold system for all door types:

- Balcony and French front doors
- Single and double jamb
- Opening inwards and outwards

We have been able to decisively increase the system security of the door-threshold combinations for all frame materials (PVC, wood, metal, wood-metal) with this innovative threshold system. Much more than just a high quality threshold is required for an airtight door that will satisfy its users for a long time. Diverse detailed problems must be solved individually. This brochure can be of invaluable support when doing so. Here we provide you with tried-and-tested recommendations for all important optimisation areas.

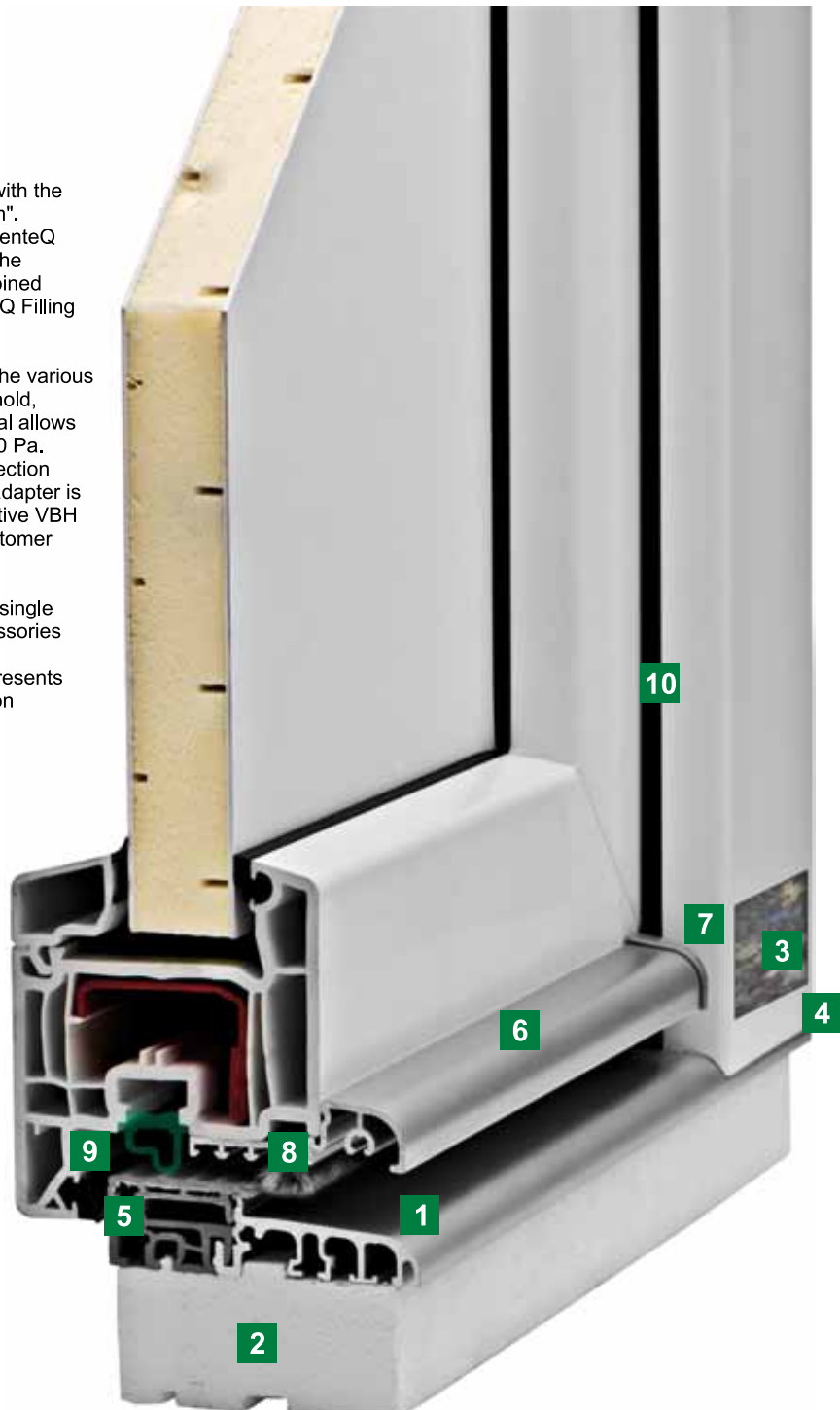
We cover all frame materials for the balcony door and house door variants in this connection:

- Strike plate solution with corresponding mounting options
- Lower connection optimisation
- System-secure connection of threshold to frame
- Accessibility as per DIN requirements
- Optimal thermal insulation
- Maximum driving rain resistance
- Durability/permanent function
- Improved intrusion protection

VBH customers can realise all these requirements with the content of the VBH brochure "P08 Threshold system". This system includes, amongst other things, the greenteQ Threshold TB (construction depths 70 to 140 mm), the greenteQ Insulating foundation profile (can be combined with heights 30, 50 and 100 mm) as well as greenteQ Filling pieces for processing in plastic profiles, greenteQ Weatherboarding and greenteQ Brush seals. Special requirements can be fulfilled by combining the various elements. The simultaneous use of greenteQ Threshold, greenteQ Weatherboarding and greenteQ Brush seal allows for an extremely high driving rain resistance of 1,050 Pa. Optimal thermal insulation can be achieved in connection with the greenteQ Insulating foundation profile. An adapter is not required during processing thanks to the innovative VBH countermilling solution, which is available to the customer as a tool for all frame materials.

The VBH customers receive all components from a single source and are flexible to complete those with accessories of our reliable partners range of products. The new VBH brochure "P08 Threshold systems" presents a threshold system that, with all of its various solution variants, is in line with market requirements.

Description	
1	greenteQ Threshold TB
2	greenteQ Insulating foundation profile
3	greenteQ Filling pieces
4	greenteQ MS-Polymer
5	Strike plates
6	greenteQ Weatherboarding
7	greenteQ End caps for weatherboarding
8	greenteQ Brush seal
9	Amrum seal
10	Wind stop



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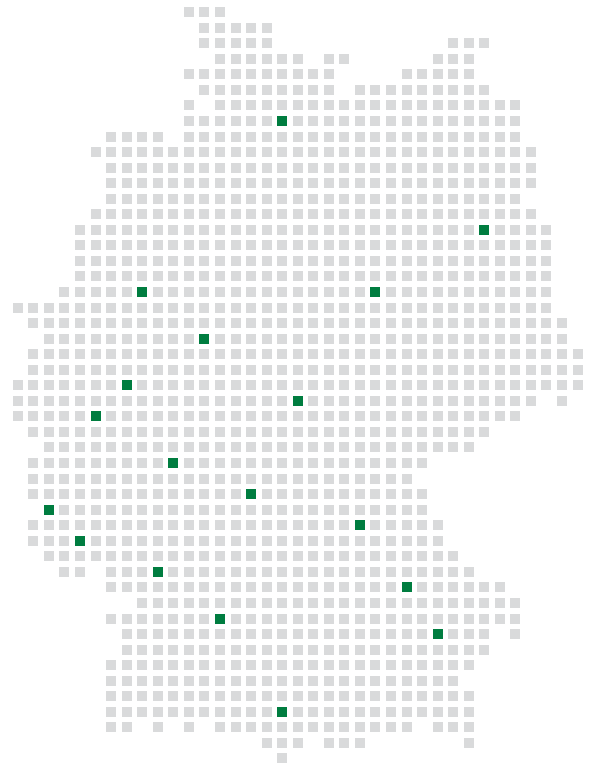
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