



# greenteQ Window & Door Hardware & Ancillaries

Issue 3

# Useful Contact Information

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## greenteQ Sigma Flag Door Hinge

### Sigma Flag Hinge For Rebated Doors

greenteQ Sigma is a premium quality flag hinge for rebated doors with upstand heights between 13.5 and 26.5mm, utilising either of the two body sizes along with additional packers if required (supplied separately).

The hinge is available in 9 colour options (white, brown, tan, black, PVD gold, brushed satin and polished, satin and smokey chromes) and all have been tested to achieve a corrosion resistance of grade 5, BS EN 1670.

Sigma is able to carry sashes of 100kg, and provides a maximum opening angle of 190°.

Adjustment is carried out in three directions with a standard 5mm Allen key. Lateral adjustment of +/- 5mm is available, along with +/- 0.75mm for compression. An additional compression adjustment of +/- 0.75mm can be achieved by rotating the pin bush during assembly. Height adjustment of +/- 1mm is possible, whilst any gap between the sash and frame parts is hidden by the gap cover.

The Sigma hinge has been styled to match the existing range of greenteQ door furniture and is designed to comply with EN 1935:2002 Single-Axis Hinges Requirements and Test Methods.

To help reduce the effectiveness of a direct attack, there is minimal space between the flag and body. Using the large fixing screws supplied, these hinges are able to help obtain and exceed the requirements of PAS24:2012 (Enhanced Security Performance Requirements for Doorsets and Windows)

#### Benefits at a glance:

- Adjustment gap cover
- Allows up to 190° opening angle
- Full 3D adjustment
- Capable of exceeding PAS24:2012
- Complies with EN1935:2002 (Classification 475014012)
- Styled to complement greenteQ range
- Supplied with fixings
- 9 colour options



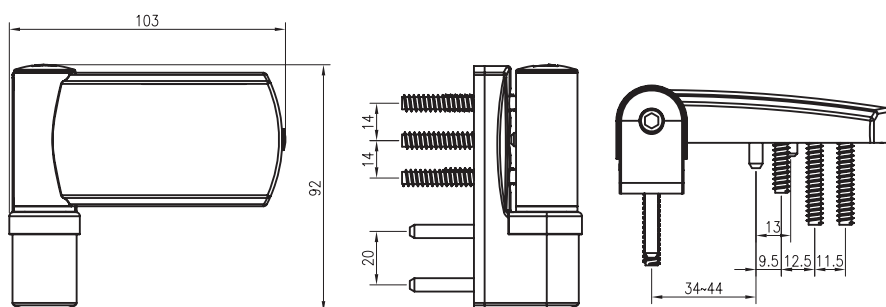
# Hinges for Rebated Doors

## greenteQ

### Sigma Flag Hinge



Max sash weight: 100Kg with 2 hinges  
 Lateral adjustment: +/-5mm  
 Height adjustment: +/-1mm  
 Compression adjustment: +/-0.75mm  
 Complies with EN1935:2002  
 Adjustment gap cover  
 Allows 190° opening  
 Hinges are supplied with all covers and fixings



Upstand	White RAL9016	Brown RAL8019	Tan RAL8003	Black RAL9005	PVD Gold	Polished Chrome	Satin Chrome	Smokey Chrome	Brushed Satin	Box Qty
13.5-16.5mm*	2QDH0001	2QDH0002	2QDH0003	2QDH0004	2QDH0005	2QDH0006	2QDH0007	2QDH0008	2QDH0009	24
18.5-21.5mm*	2QDH0011	2QDH0012	2QDH0013	2QDH0014	2QDH0015	2QDH0016	2QDH0017	2QDH0018	2QDH0019	24

\*Higher upstands can be catered for by fitting packers under the frame body

### Sigma Under Packers



Contoured packers have a flat base and contoured top to sit between hinge and profile.  
 If the door profile has an upstand greater than the contoured packer provides, a stackable packer can also be fitted to provide an additional 3mm between hinge and contoured packer.

Description	VBH Code	Box Qty
1mm Contoured Packer White	2QDH0021	100
2mm Contoured Packer White	2QDH0022	100
3mm Contoured Packer White	2QDH0023	100
4mm Contoured Packer White	2QDH0024	100
5mm Contoured Packer White	2QDH0025	100
3mm Stackable Packer White	2QDH0029	100
1mm Contoured Packer Black	2QDH0031	100
2mm Contoured Packer Black	2QDH0032	100
3mm Contoured Packer Black	2QDH0033	100
4mm Contoured Packer Black	2QDH0034	100
5mm Contoured Packer Black	2QDH0035	100
3mm Stackable Packer Black	2QDH0039	100

### Spares



Description	VBH Code	Box Qty
White Cover Pack	2QDH0054	1
Black Cover Pack	2QDH0055	1
Fixing Screw Pack (40/28mm)	2QDH0053	1
Fixing Screw Pack (50/28mm)	2QDH0052	1

### Fitting Jig



Description	VBH Code	Box Qty
Aluminium Jig	2QDH0050	1
Plastic Jig	2QDH0051	1



## greenteQ Sigma Compact Flag Door Hinge

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### Sigma Compact Flag Hinge For Rebated Doors

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The Sigma Compact flag hinge is the 4th member of the greenteQ Sigma Hinge family, joining the Hybrid, Composite Butt Hinge and the original Sigma Flag Hinge in the line up.

At 92mm (11mm slimmer than the original flag), Sigma Compact is a small hinge that will nevertheless carry sashes up to 80Kg. This is achieved as the narrow sash plate allows most fixing screws and pins to locate into the reinforcing profile.

Sigma Compact shares the same design traits of the other members of the greenteQ Suite, such as the greenteQ decorative groove. The hinge is available in the six standard greenteQ finishes of white, black, PVD gold, and polished, satin and smokey chromes.

Sigma Compact not only looks good, it also makes the installer's job easy with its 3D adjustment. +/- 4mm lateral, +/-1mm height and +/- 0.75mm compression adjustments can all be carried out with a standard 5mm Allen key. An 'adjustment gap cover' ensures no unsightly gaps are visible even if the full height adjustment is used.

15mm standard body and 20mm deep body versions, combined with a selection of stackable packers allow Sigma Compact to be used on most profiles.

greenteQ Sigma Compact hinges are covered by the greenteQ 10 year guarantee.

#### Benefits at a glance:

- Compact hinge with 80Kg sash weight
- Ample 3D adjustment
- Adjustment gap cover
- Part of the greenteQ Suite (6 finishes)
- Designed to comply with EN1935:2002 (Classification 374014011)
- greenteQ 10 year guarantee

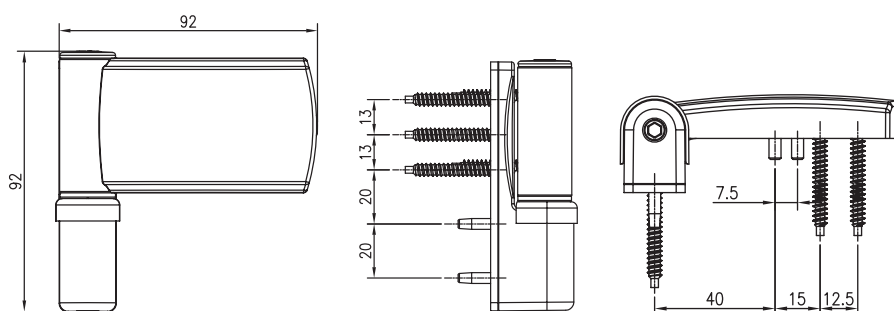


# Hinges for Rebated Doors greenteQ

## Sigma Compact 90mm Flag Hinge



Max sash weight: 80Kg  
Ample 3D adjustment (+/-4mm lateral, +4/-1mm height, +/-0.75mm compression)  
Adjustment gap cover  
Hinges are supplied with all covers  
Fixings to be ordered separately  
Designed to comply with EN1935:2002  
greenteQ 10 year guarantee



Body	White RAL9016	Black RAL9005	PVD Gold	Polished Chrome	Satin Chrome	Smokey Chrome	Box Qty
15mm*	2QDH0201	2QDH0204	2QDH0205	2QDH0206	2QDH0207	2QDH0208	24
20mm*	2QDH0211	2QDH0214	2QDH0215	2QDH0216	2QDH0217	2QDH0218	24

\*Higher upstands can be catered for by fitting packers under the frame body

## Sigma Compact Under Packers



Stackable packers have a concave contoured base and a contoured top to sit between hinge and profile or hinge and packer.

Thickness	White	Black	Box Qty
1mm	2QDH0221	2QDH0231	100
3mm	2QDH0223	2QDH0233	100

## Fitting Jig

Description	VBH No	Box Qty
Plastic Compact Jig	2QDH0251	1

## Fixings

Description	VBH No	Box Qty
Fixing Pack	2QDH0252	24





## greenteQ Sigma Hybrid Door Hinge

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### Sigma Hybrid Door Hinge For Rebated Doors

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The greenteQ Sigma Hybrid door hinge combines the strength and adjustability of a flag hinge with the unobtrusive slim design of an edge-fit butt hinge.

It is easy to fit on the bench, without the need to remove the sash from the frame and its 2-knuckle construction is ideal for those who are not keen on lift-off hinges.

A strong connection to the door is assured with 3 screw fixings and two 8mm diameter support pins on the frame body, and 4 screw fixings and 2 further support pins on the flag/sash cover.

There is ample 3D adjustment (lateral & height +/- 4mm, compression +/- 1mm) without the need to remove the door, and 2 hinges can carry a sash weight of 80Kg.

Depending on which of the 3 frame body and 3 flag/sash cover options are combined, sash upstands of between 13-28mm can be achieved without the need for additional frame packers.

The hinge pin is secured by a stainless steel grub screw so Sigma Hybrid is suitable for inward AND outward doors.

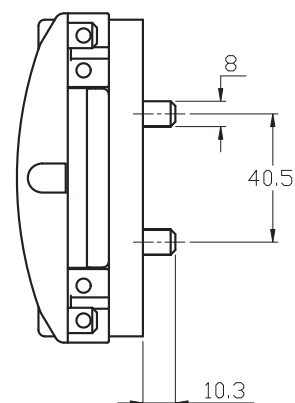
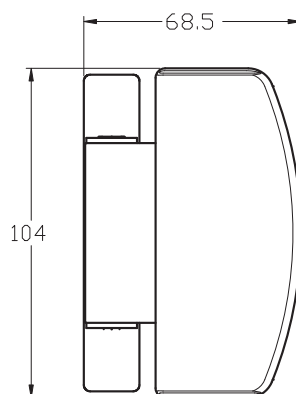
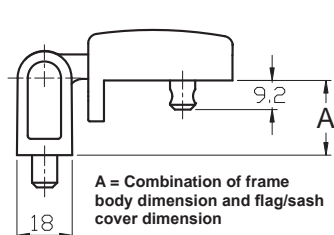
The gap between the underside of the sash upstand can be filled by fitting a contoured or angled sash packer. This is particularly desirable where the upstand is of a chamfered or ovolo design.

Sigma Hybrid is available in 8 attractive finishes to suite with all other greenteQ door furniture products (see next page for colours).



# Hinges for Rebated Doors greenteQ

## Sigma - Hybrid Hinge for Rebated Doors



Ample 3D adjustment  
80Kg sash weight  
13-28mm sash upstand (no frame packers)  
8 colours to match greenteQ suite  
Suits inward and outward opening doors  
Only 5 main components

Description	White RAL9016	Brown RAL8019	Tan RAL8003	Black RAL9005	PVD Gold	Polished Chrome	Satin Chrome	Smokey Chrome	Box Qty
Frame Body 16.5mm	2QHH0001	2QHH0002	-	-	2QHH0005	2QHH0006	2QHH0007	2QHH0008	30
Frame Body 20.5mm	2QHH0021	2QHH0022	2QHH0023	2QHH0024	2QHH0025	2QHH0026	2QHH0027	2QHH0028	30
Frame Body 24.5mm	2QHH0031	2QHH0032	2QHH0033	2QHH0034	2QHH0035	2QHH0036	2QHH0037	2QHH0038	30

Description	White RAL9016	Brown RAL8019	Tan RAL8003	Black RAL9005	PVD Gold	Polished Chrome	Satin Chrome	Smokey Chrome	Box Qty
Flag/Sash Cover +/-0.5mm	2QHH0041	2QHH0042	2QHH0043	2QHH0044	2QHH0045	2QHH0046	2QHH0047	2QHH0048	30
Flag/Sash Cover +/-1.5mm	2QHH0061	2QHH0062	2QHH0063	2QHH0064	2QHH0065	2QHH0066	2QHH0067	2QHH0068	30
Flag Sash Cover +/-3.5mm	2QHH0101	2QHH0102	-	2QHH0104	-	2QHH0106	2QHH0107	2QHH0108	30

### Sash Packers

Description	White RAL9016	Black RAL9005	Box Qty
45° Chamfer	2QHH0134	2QHH0144	500
50° Chamfer	2QHH0133	2QHH0143	500

Bespoke contoured sash packers are also available to suit a number of PVCu systems. Please contact VBH for details

### Fitting Jigs

Description	VBH Code	Box Qty
15mm Step Height	2QHH0121	1
20mm Step Height	2QHH0122	1

Match the correct frame body and flag/sash cover for your profile  
e.g. For an 18mm sash upstand select a 16.5mm frame body with a +/- 1.5mm flag/sash cover  
Please note image shows assembled hinge



## greenteQ Composite Butt Hinge

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### Sigma Composite Butt Hinge for Flush Composite and Timber Doors

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The greenteQ Sigma Composite Butt hinge provides all the adjustment required to make life easier on site, but with the discreet appearance of the more traditional butt hinge.

The hinge is part of the greenteQ Suite, where all products are perfectly colour matched and feature design constants across the range. The frame bearing features the subtle decorative groove that carries over onto greenteQ Alpha door handles, Omega letterboxes, Kappa knockers and, indeed, the Sigma flag and hybrid door hinges.

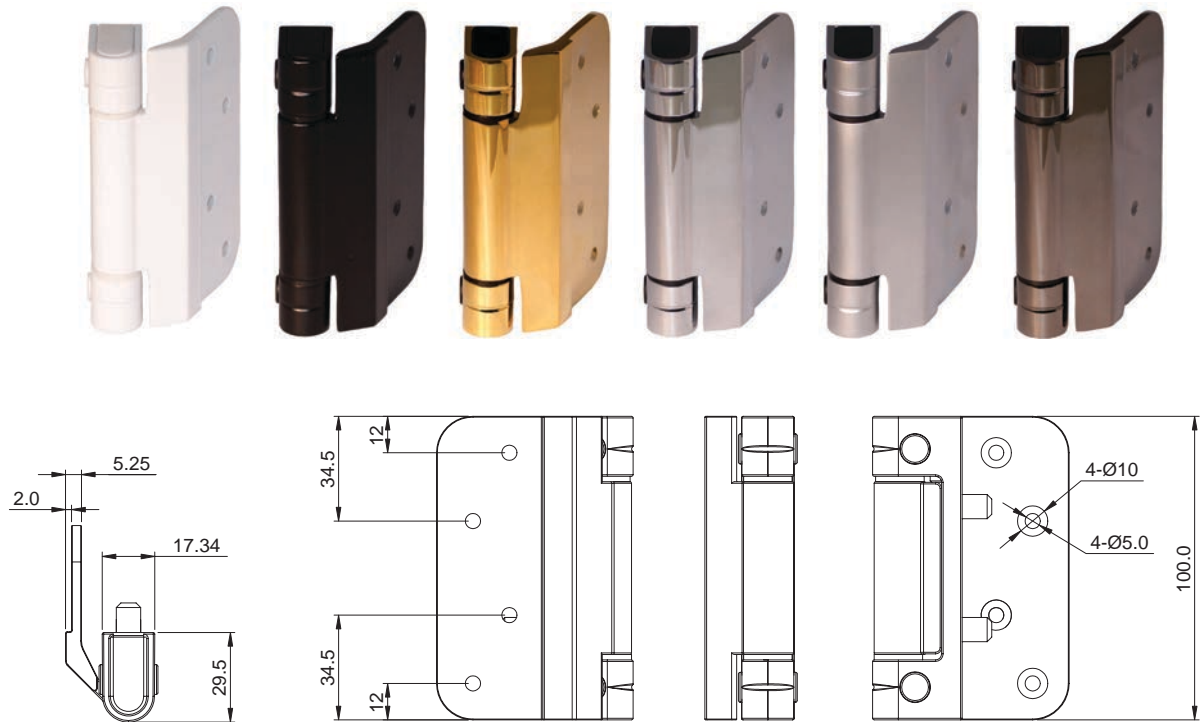
Sigma Composite Butt fills a gap in the greenteQ range for manufacturers and installers of composite and flush timber doors, giving them the opportunity to fit suited furniture across their products.

Not only does the hinge look stylish but it is practical, too. The maximum sash weight for a door fitted with three hinges is 100KG, and installers will find the ample 3D adjustment to be a real help on site. All adjustment can be carried out without the need to remove the door leaf.



# Hinges for Flush Doors greenteQ

## Sigma - Composite Butt Hinge for Flush Composite and Timber Doors



3D adjustable butt hinge (lateral +/-1.5mm, height +4mm, compression +/-0.5mm)

Sash weight 100Kg with 3 hinges

Description	White RAL9016	Brown RAL8019	Tan RAL8003	Black RAL9005	PVD Gold	Polished Chrome	Satin Chrome	Smokey Chrome	Box Qty
Butt Hinge	2QCB0001	2QCB0002	2QCB0003	2QCB0004	2QCB0009	2QCB0006	2QCB0007	2QCB0008	1/40

### Fitting Jig

Description	VBH No	Box Qty
Jig	2QCB0022	1

Some items may only be available to special order. You will be advised if this is the case.



## greenteQ Alpha Door Handle

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### Door Handles

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Alpha and Alpha Curve are part of the greenteQ Suite, where all products are perfectly colour matched and feature design constants across the range.

The original Alpha features straight levers for a contemporary look. Alpha Curve has a scrolled lever for those who prefer a more traditional appearance.

The backplate of both options sports an attractive decorative groove that features throughout the range.

Two backplate options make Alpha suitable for most commonly used door locks. The unsprung short version is most commonly used on standard 92mm PZ locks such as sprung versions of Millenco Mantis 3, Lockmaster and Mila Master, Fuhr, Maco, KfV, GU etc. The long 92mm PZ backplate sprung handle works with locks such as unsprung versions of Millenco Mantis 3, Lockmaster and Mila Master, Yale, Roto etc.

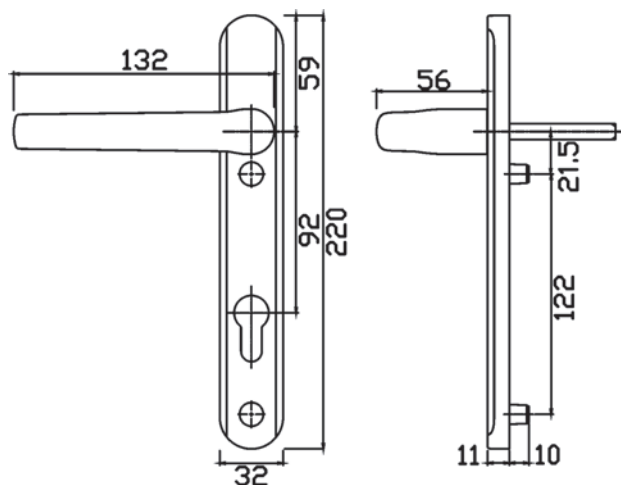
There are also long backplate versions with offset levers or pads to work with double spindle locks with 92/62mm PZ centres.

#### Benefits at a glance:

- Part of the popular greenteQ Suite of matching window and door furniture
- Styling enhances appearance of door
- 2 backplate lengths to suit most single and split spindle locks
- Offset versions for 92/62 PZ double spindle locks such as Millenco Mantis 3, Lockmaster, Mila Master, Yale, Roto etc
- Supplied with 2 spindle and screw packs for 44mm composite/timber doors and PVCu/timber sections up to 72mm thick
- Supplied in attractive individual boxes so ideal for selling on
- Covered by greenteQ 10 Year guarantee

# Door Handles greenteQ

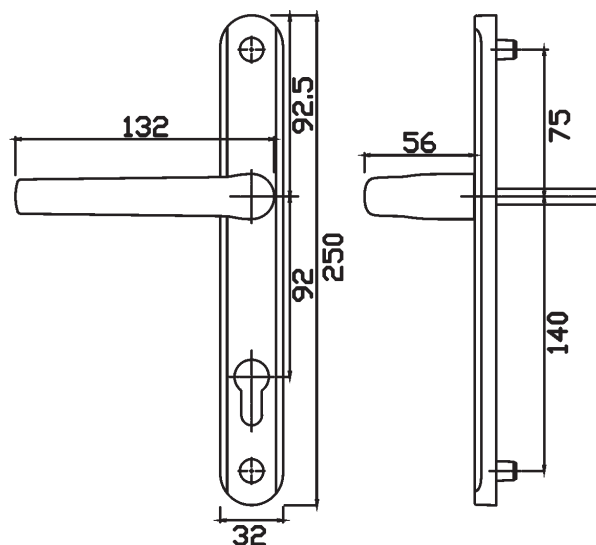
## Alpha Lever/Lever - Short Backplate



92PZ  
2 screw fix  
Unsprung to fit standard 92PZ lift/lever locks  
Up to 72mm door thickness  
Flange around cylinder hole for gap elimination & security  
M6 screws for added strength  
Non-handed

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0001	12
Black (RAL9005)	2QHB0004	12
PVD Gold	2QHB0005	12
Polished Chrome	2QHB0006	12
Satin Chrome	2QHB0007	12
Smokey Chrome	2QHB0008	12

## Alpha Lever/Lever - Long Backplate

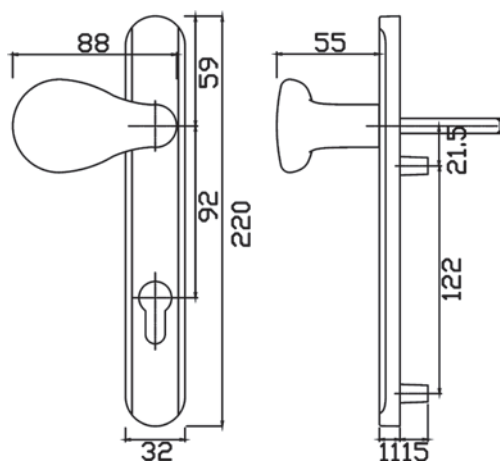


92PZ  
2 screw fix  
Sprung to fit Lockmaster, Yale YS170 and Mantis 3  
Up to 72mm door thickness  
Flange around cylinder hole for gap elimination & security  
M6 screws for added strength  
Non-handed

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0121	12
Black (RAL9005)	2QHB0124	12
PVD Gold	2QHB0125	12
Polished Chrome	2QHB0126	12
Satin Chrome	2QHB0127	12
Smokey Chrome	2QHB0128	12



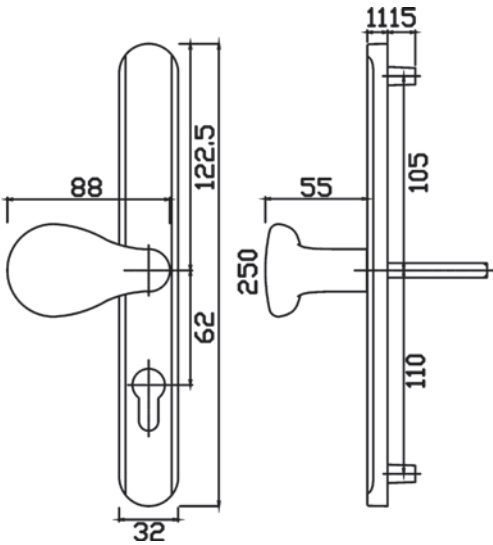
Alpha Lever/Turn Pad -  
Short Backplate



92PZ  
2 screw fix  
Unsprung to fit standard 92PZ lift/lever locks  
Up to 72mm door thickness  
Flange around cylinder hole for gap elimination & security  
M6 screws for added strength  
Non-handed

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0041	12
Black (RAL9005)	2QHB0044	12
PVD Gold	2QHB0045	12
Polished Chrome	2QHB0046	12
Satin Chrome	2QHB0047	12
Smokey Chrome	2QHB0048	12

Alpha Lever/Offset Turn Pad -  
Long Backplate

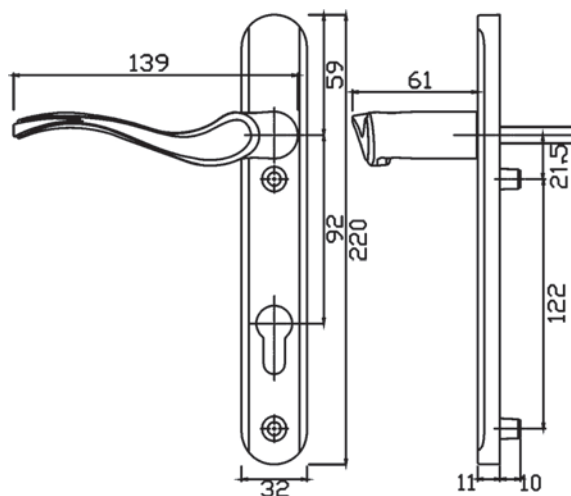


92/62PZ  
2 screw fix  
Sprung to suit double spindle Millenco Mantis 3, Paddock & Yale  
Up to 72mm door thickness  
Flange around cylinder hole for gap elimination & security  
M6 screws for added strength  
Non-handed

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0161	12
Black (RAL9005)	2QHB0164	12
PVD Gold	2QHB0165	12
Polished Chrome	2QHB0166	12
Satin Chrome	2QHB0167	12
Smokey Chrome	2QHB0168	12

# Door Handles greenteQ

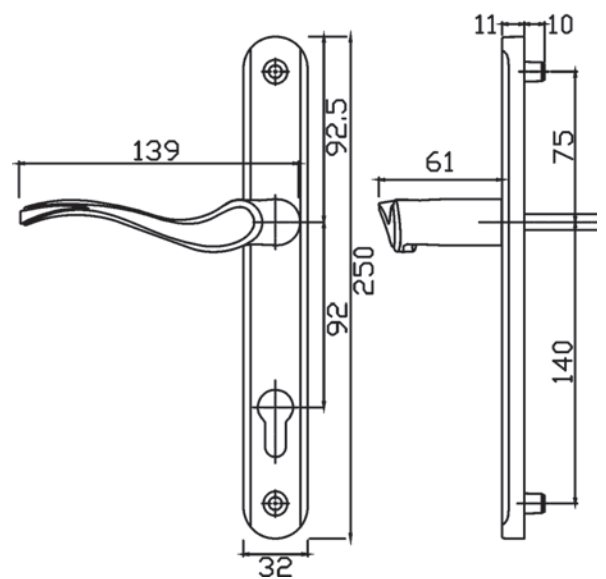
## Alpha Curve Lever/Lever - Short Backplate



92PZ  
2 screw fix  
Unsprung to fit 92PZ lift/lever locks  
Up to 72mm door thickness  
Flange around cylinder hole for gap elimination and security  
M6 screws for greater strength

Finish	LH	RH	Box Qty
White (RAL9016)	2QHB1001	2QHB1002	12
Black (RAL9005)	2QHB1007	2QHB1008	12
PVD Gold	2QHB1009	2QHB1010	12
Polished Chrome	2QHB1011	2QHB1012	12
Satin Chrome	2QHB1013	2QHB1014	12
Smokey Chrome	2QHB1015	2QHB1016	12

## Alpha Curve Lever/Lever - Long Backplate



92PZ  
2 screw fix  
Sprung to fit single spindle Millenco Mantis 3, Paddock, Yale & Roto locks  
Up to 72mm door thickness  
Flange around cylinder hole for gap elimination and security  
M6 screws for greater strength

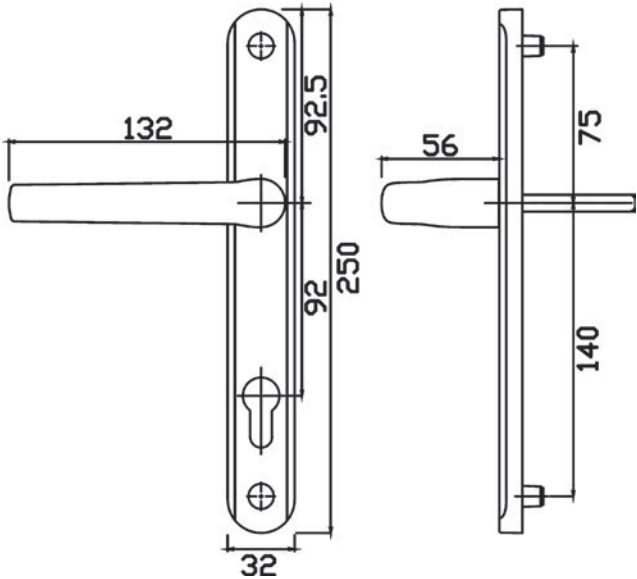
Finish	LH	RH	Box Qty
White (RAL9016)	2QHB1121	2QHB1122	12
Black (RAL9005)	2QHB1127	2QHB1128	12
PVD Gold	2QHB1129	2QHB1130	12
Polished Chrome	2QHB1131	2QHB1132	12
Satin Chrome	2QHB1133	2QHB1134	12
Smokey Chrome	2QHB1135	2QHB1136	12

Alpha 25 Lever/Lever - Stainless Steel - Long Backplate



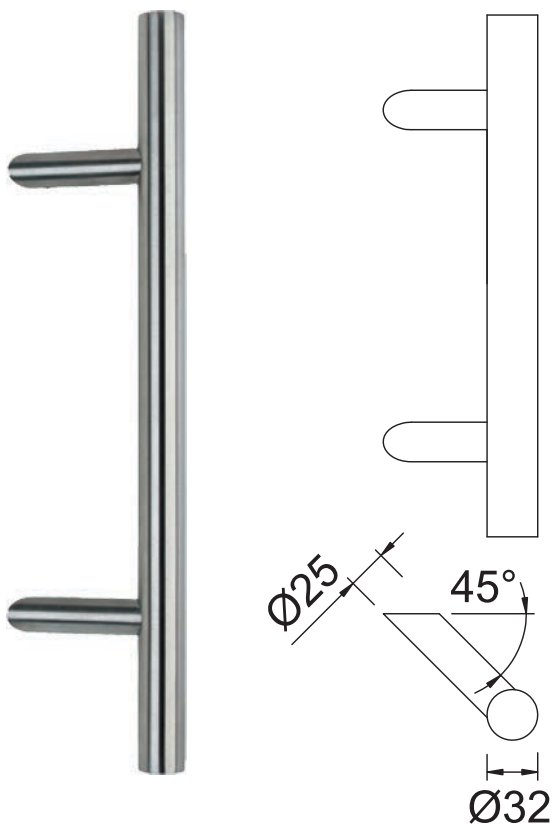
- Grade 304 stainless steel construction for exceptional corrosion resistance
- 92PZ to suit most door locks
- 2 screw fix
- Unsprung to fit standard 92PZ lift/lever locks (optional spring cassette)
- Up to 72mm door thickness
- M6 screws for added strength
- Non-handed
- 25 Year Guarantee

Finish	VBH No	Box Qty
PVD Gold	2QHB0825	12
Polished Chrome	2QHB0826	12
Brushed Stainless	2QHB0829	12
Spring Cassette Pair	2QHB0822	1





## TG 10.ER.GS



Image/Drawing shows version with 45° extended legs

Matt brushed stainless steel construction (grade 1.4301)

Can be used on its own or fixed back to back in pairs

Suitable for interior & exterior use

Diameter of handle tube: 32mm

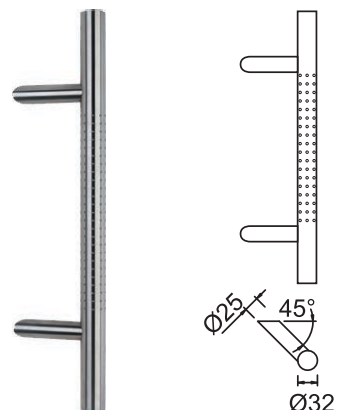
Diameter of legs: 25mm

Available with standard 90°, 45° and 45° extended legs

BA15 fixing pack dependent on door material and application to be ordered separately (see page 20 for options)

Overall Length	90° Legs	45° Legs	45° Ext Legs	Box Qty
330mm	2QHB3010	374.334/6500	398.486/6500	1
400mm	2QHB3011	344.713/6500	398.487/6500	1
500mm	2QHB3012	344.715/6500	398.488/6500	1
600mm	2QHB3013	344.716/6500	398.489/6500	1
800mm	2QHB3014	344.718/6500	398.490/6500	1
1000mm	2QHB3015	2QBH3065	398.491/6500	1
1200mm	2QHB3016	344.727/6500	398.492/6500	1
1400mm	2QHB3017	374.335/6500	398.493/6500	1
1600mm	2QHB3018	374.336/6500	398.494/6500	1
1800mm	2QHB3019	374.337/6500	398.495/6500	1

## TG 11.ER.GS 45°



Matt brushed stainless steel construction (grade 1.4301)

Can be used on its own or fixed back to back in pairs

Suitable for interior & exterior use

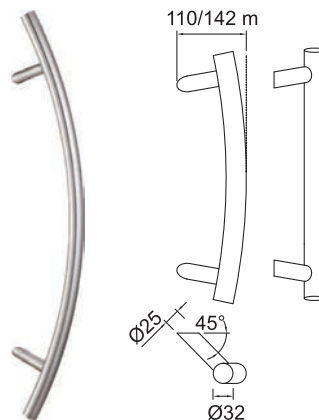
Diameter of handle tube: 32mm

Diameter of legs: 25mm

BA15 fixing pack dependent on door material and application to be ordered separately (see page 20 for options)

Overall Length	VBH No	Box Qty
400mm	2QBH3020	1
500mm	2QBH3021	1
600mm	2QBH3022	1

## TG 12.ER



Matt brushed stainless steel construction (grade 1.4301)

Can be used on its own or fixed back to back in pairs

Suitable for interior & exterior use

Diameter of handle tube: 32mm

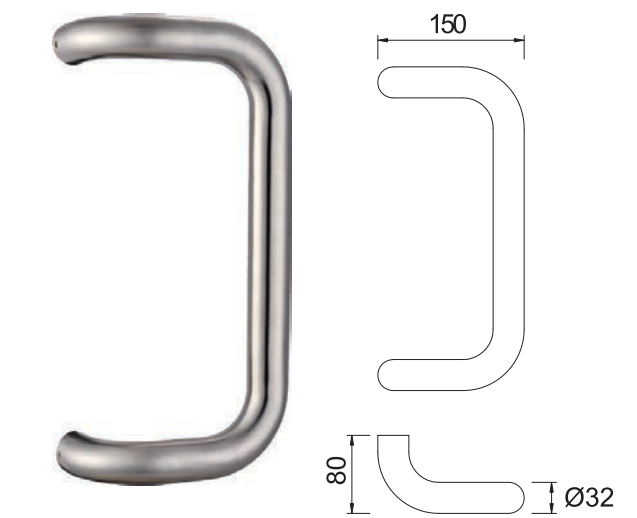
Diameter of legs: 25mm

Available with standard 90° and 45° legs

BA15 fixing pack dependent on door material and application to be ordered separately (see page 20 for options)

Overall Length	Width at Widest Point of Curve (90°/45° versions)	90° Legs	45° Legs	Box Qty
400mm	52/110mm	2QBH3023	2QBH3025	1
800mm	117/142mm	2QBH3024	2QBH3026	1

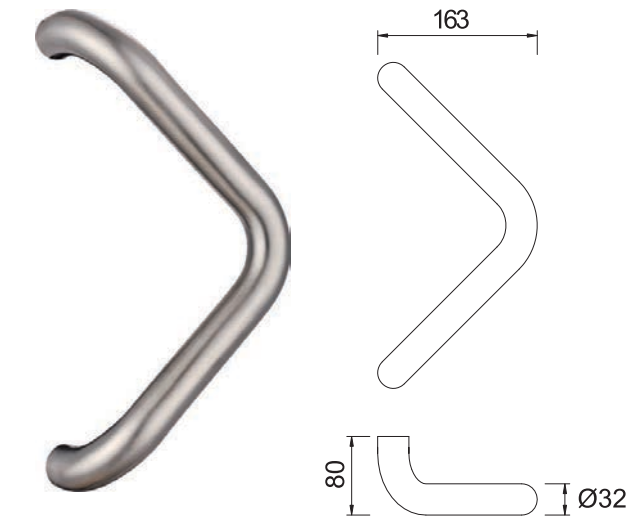
TG 10.ER.GKL



Matt brushed stainless steel construction (grade 1.4301)  
Can be used on its own or fixed back to back in pairs  
Suitable for interior & exterior use  
Diameter of handle tube: 32mm  
BA15 fixing pack dependent on door material and application to be ordered separately (see page 20 for options)

Height	Width at Widest Point	VBH No	Box Qty
300mm	150mm	2QHB3005	1
350mm	150mm	2QHB3006	1

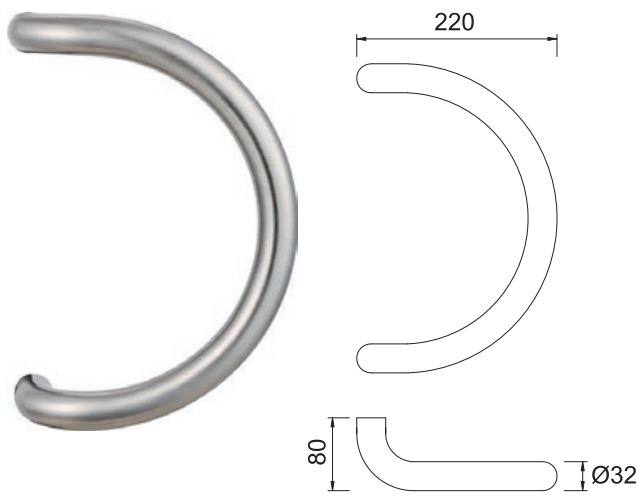
TG 10.ER.GKW



Matt brushed stainless steel construction (grade 1.4301)  
Can be used on its own or fixed back to back in pairs  
Suitable for interior & exterior use  
Diameter of handle tube: 32mm  
BA15 fixing pack dependent on door material and application to be ordered separately (see page 20 for options)

Height	Width at Widest Point	VBH No	Box Qty
300mm	163mm	2QHB3001	1
350mm	163mm	2QHB3002	1

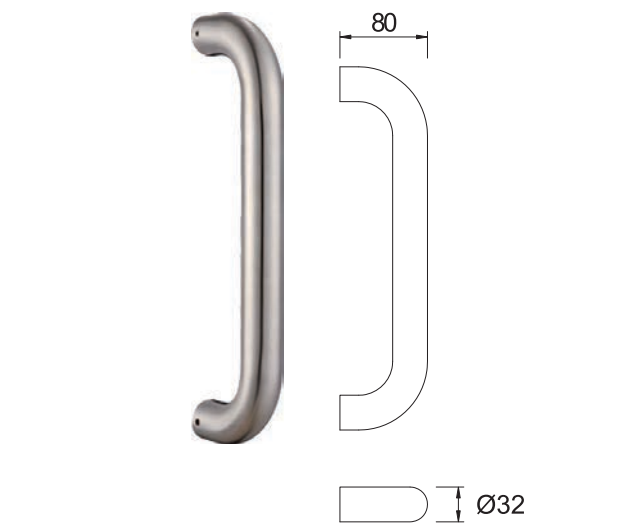
TG 10.ER.GKH



Matt brushed stainless steel construction (grade 1.4301)  
Can be used on its own or fixed back to back in pairs  
Suitable for interior & exterior use  
Diameter of handle tube: 32mm  
BA15 fixing pack dependent on door material and application to be ordered separately (see page 20 for options)

Height	Width at Widest Point	VBH No	Box Qty
300mm	220mm	2QHB3003	1
350mm	220mm	2QHB3004	1

TG 10.ER.GB

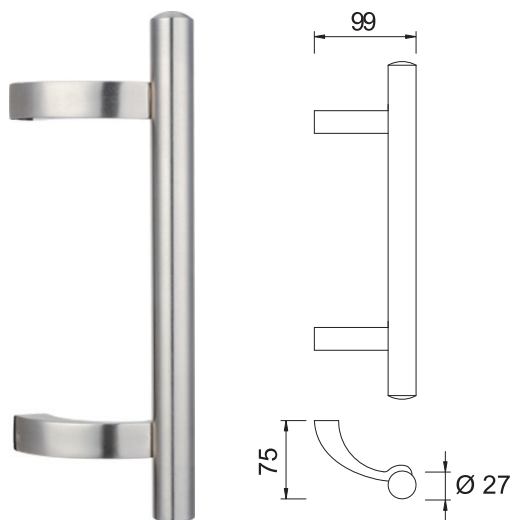


Matt brushed stainless steel construction (grade 1.4301)  
Can be used on its own or fixed back to back in pairs  
Suitable for interior & exterior use  
Diameter of handle tube: 32mm  
BA15 fixing pack dependent on door material and application to be ordered separately (see page 20 for options)

Height	VBH No	Box Qty
300mm	2QHB3007	1
350mm	2QHB3008	1

# Pull Handles greenteQ

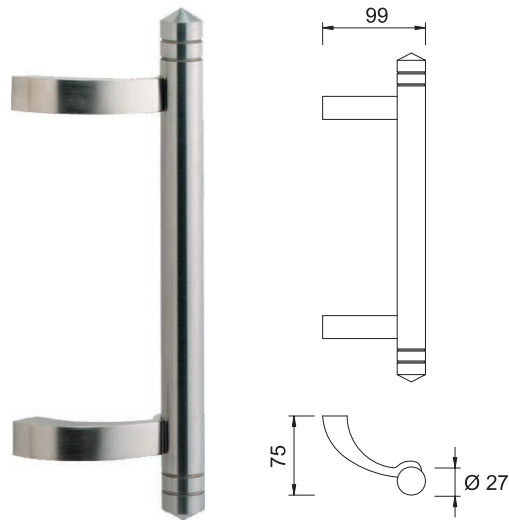
## TG 189.ER.GKS



Matt brushed stainless steel construction (grade 1.4301)  
Can be used on its own or fixed back to back in pairs  
Suitable for interior & exterior use  
Diameter of handle tube: 27mm  
No. 5 or 7 fixing pack dependent on door material and application  
to be ordered separately - see below

Length	Width	VBH No	Box Qty
320mm	99mm	315.387/6500	1

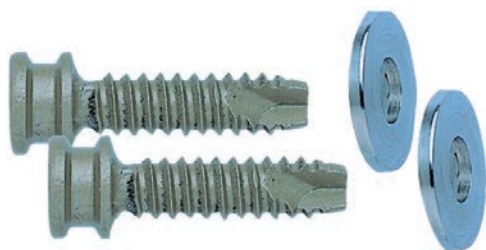
## TG 191.ER.GKS



Matt brushed stainless steel construction (grade 1.4301)  
Can be used on its own or fixed back to back in pairs  
Suitable for interior & exterior use  
Diameter of handle tube: 27mm  
No. 5 or 7 fixing pack dependent on door material and application  
to be ordered separately - see below

Length	Width	VBH No	Box Qty
315mm	99mm	315.388/6500	1

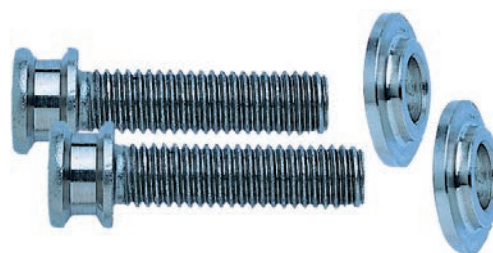
## No. 5



For single sided INVISIBLE fixing  
Fixing material: galvanised steel  
Door material: timber (composite), PVCu  
Thread dimension: 8 x 35mm  
Suits handle types: TG 189, TG 191  
Supplied in a set of 2 with shims

Description	VBH No	Box Qty
No.5 Fixing Kit	360.377/0000	1 Set

## No. 7



For single sided INVISIBLE fixing  
Fixing material: galvanised steel  
Door material: aluminium  
Thread dimension: M8 x 30mm  
Suits handle types: TG 189, TG 191  
Supplied in a set of 2 with shims

Description	VBH No	Box Qty
No.7 Fixing Kit	360.378/0000	1 Set



# Fixing Kits for Pull Handles greenteQ

Fixing Kits are used to fix greenteQ Pull Handles onto a variety of door materials

The correct kit should be selected according to Pull Handle, door material and whether the handle is used as a single or a back to back pair

## BA 15.EUS.H/K/A



BA15 Type

For single sided INVISIBLE fixing

Fixing material: galvanised steel

Door material: timber (composite), PVCu, aluminium

Bore diameter: 10mm

Suits handle types: TG 10, TG 11, TG 12

Supplied individually

Length	VBH No	Box Qty
20mm	2QHB3031	1 Piece
25mm	2QHB3032	1 Piece
30mm	2QHB3033	1 Piece
35mm	2QHB3034	1 Piece
45mm	2QHB3035	1 Piece
55mm	2QHB3036	1 Piece
60mm	2QHB3037	1 Piece
65mm	2QHB3038	1 Piece

## BA 15.ES.H/K/A



BA15 Type

For single sided Thru-fixing

Fixing material: stainless steel, galvanised steel & brass

Door material: timber (composite), PVCu, aluminium

Door thickness: up to 80mm

Suits handle types: TG 10, TG 11, TG 12

Supplied in a set of 2

Description	VBH No	Box Qty
Fixing Kit	2QHB3029	1 Set

## BA 15.ES.G



BA15 Type

For single sided Thru-fixing

Fixing material: galvanised steel, brass & plastic

Door material: glass

Door thickness: 8 - 12mm

Bore diameter: 13mm

Suits handle types: TG 10, TG 11, TG 12

Supplied in a set of 2

Description	VBH No	Box Qty
Fixing Kit for Glass	385.333/0002	1 Set

## BA 15.EU.H



BA15 Type

For single sided INVISIBLE fixing

Fixing material: galvanised steel & brass

Door material: timber (composite)

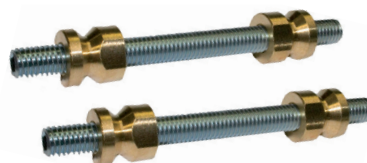
With Rampa-bushing M8/14.5 x 25mm

Suits handle types: TG 10, TG 11, TG 12

Supplied in a set of 2

Description	VBH No	Box Qty
Fixing Kit	2QHB3028	1 Set

## BA 15.PR.H/K/A



BA15 Type

For back to back fixing

Fixing material: galvanised steel & brass

Door material: timber (composite), PVCu, aluminium

Door thickness: up to 80mm

Bore diameter: M8

Suits handle types: TG 10, TG 11, TG 12

Supplied in a set of 2

Description	VBH No	Box Qty
Fixing Kit	2QHB3030	1 Set

## BA 15.PR.G



BA15 Type

For back to back fixing

Fixing material: galvanised steel, brass & plastic

Door material: glass

Door thickness: 8 - 12mm

Bore diameter: 13mm

Suits handle types: TG 10, TG 11, TG 12

Supplied in a set of 2

Description	VBH No	Box Qty
Fixing Kit for Glass	385.333/0001	1 Set

### Rosettes

The German greenteQ range includes many different types of cylinder rosette. Options include security and standard, circular, rectangular, radiused, singles, pairs and much more.

All are available to VBH (GB) customers. Please visit [www.greenteq.info](http://www.greenteq.info) for more information on the range or call us for a link

The two options here are examples of the styles available

#### Security Rose Pair ZA PZ 14mm ER



Matt brushed stainless steel (grade 1.4301)

Internal dimensions: 8 x 52mm diameter

Door thickness: 67 - 72mm

Supplied as a pair complete with 2 No. M6 x 80mm screws

Description	VBH No	Box Qty
Rose Pair	2QHB3500	10 Pr

#### Sliding Rosette PZ 10mm ER

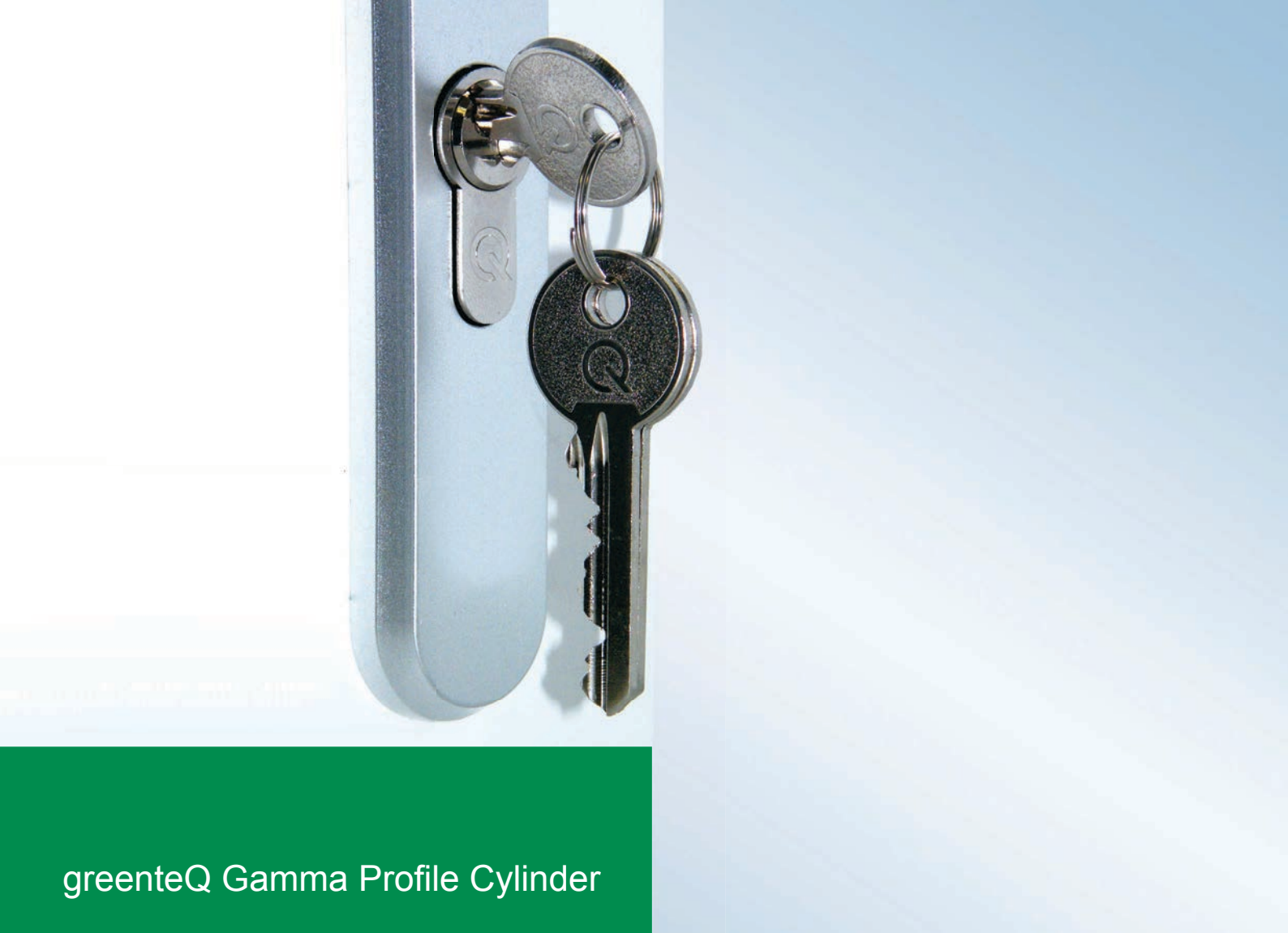


Matt brushed stainless steel (grade 1.4301)

Dimensions: 30 x 70 x 10mm

Supplied individually

Description	VBH No	Box Qty
Rosette	402.939/6500	10



## greenteQ Gamma Profile Cylinder

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### Profile Cylinder

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greenteQ Gamma is a premium high performance 6 pin euro profile cylinder manufactured in all the common sizes and supplied with three 'Q' branded keys as standard.

Available in brass and attractive bright nickel, both have been tested to achieve a corrosion resistance of grade 3, BS EN 1670.

Gamma cylinders can be supplied in double (key/key), single (key), thumb-turn (knob/key) and 'keyed alike pairs' (6 keys) versions.

The Gamma range of cylinders meets the classification 16000C62 of BS EN 1303 (Cylinders for Locks), where it has been endurance tested to 100,000 cycles.

Using 6 tumblers per key provides pick protection, with over 100,000 possible effective combinations, helping to achieve a Key Security grade 6.

Hardened anti-drill pins are added to all cylinders as standard, resulting in a drilling/chisel/twisting Attack Resistance of grade 2.

Gamma cylinders can now be supplied in keyed alike suites. These are produced in-house at our Gillingham head office.

#### Benefits at a glance:

- 6 pin BS cylinder
- Over 100,000 key combinations
- Anti-pick
- BS EN 1303 classification 16000C62
- Anti-drill
- Keyed alike suites and key cutting available

# Profile Cylinders greenteQ

## Gamma Key/Key Double Cylinder



6 pin anti drill / anti pick profile cylinder  
Over 100,000 differs  
EN1303 Classification 16000C62

Size	Nickel	Brass	Box Qty
32/32	2QCY0001	#	10
32/35	2QCY0003	#	10
32/40	2QCY0005	#	10
32/50	2QCY0009	#	10
32/55	2QCY0011	#	10
32/60	2QCY0013	#	10
32/65	2QCY0055	#	10
32/70	2QCY0059	#	10
35/35	2QCY0015	2QCY0016	10
35/40	2QCY0017	#	10
35/45	2QCY0019	2QCY0020	10
35/50	2QCY0021	2QCY0022	10
35/55	2QCY0023	2QCY0024	10
35/60	2QCY0025	#	10
35/65	2QCY0057	#	10
40/40	2QCY0027	2QCY0028	10
40/45	2QCY0029	2QCY0030	10
40/50	2QCY0031	2QCY0032	10
40/55	2QCY0033	2QCY0034	10
40/60	2QCY0035	2QCY0036	10
45/45	2QCY0037	2QCY0038	10
45/50	2QCY0039	2QCY0040	10
45/55	2QCY0041	2QCY0042	10
45/60	2QCY0043	#	10
50/50	2QCY0045	2QCY0046	10

## Gamma Key/Key Double Cylinder Keyed Alike



6 pin anti drill / anti pick profile cylinder  
Over 100,000 differs  
EN1303 Classification 16000C62  
Sold in pairs complete with 6 keys

Size	Nickel	Brass	Box Qty
35/35	2QCY0515	2QCY0516	5 Pr
35/50	2QCY0521	2QCY0522	5 Pr
40/40	2QCY0527	2QCY0528	5 Pr
40/45	2QCY0529	2QCY0530	5 Pr
40/50	2QCY0539	2QCY0540	5 Pr
40/55	2QCY0533	2QCY0534	5 Pr
45/45	2QCY0537	2QCY0538	5 Pr
45/50	2QCY0531	2QCY0532	5 Pr
45/55	2QCY0541	2QCY0542	5 Pr
50/50	2QCY0545	2QCY0546	5 Pr

## Gamma Half Cylinder



6 pin anti drill / anti pick profile cylinder  
Over 100,000 differs  
EN1303 Classification 16000C62  
Single Cylinders

Size	Nickel	Brass	Box Qty
-/32	2QCY0301	#	10
-/35	2QCY0315	2QCY0316	10
-/40	2QCY0327	2QCY0328	10
-/45	2QCY0337	2QCY0338	10
-/50	2QCY0345	#	10

## Gamma Thumb Turn Double Cylinder



6 pin anti drill / anti pick profile cylinder  
Over 100,000 differs  
EN1303 Classification 16000C62

Size	Nickel	Brass	Box Qty
K32/32	2QCY0701	#	10
K32/65	2QCY0755	#	10
K32/70	2QCY0759	#	10
K35/32	2QCY0803	#	10
K35/35	2QCY0715	2QCY0716	10
K35/45	2QCY0719	#	10
K35/55	2QCY0723	2QCY0724	10
K40/40	2QCY0727	2QCY0728	10
K40/45	2QCY0729	2QCY0730	10
K40/50	2QCY0731	2QCY0732	10
K40/55	2QCY0733	2QCY0734	10
K40/60	2QCY0735	2QCY0736	10
K45/40	2QCY0829	2QCY0830	10
K45/45	2QCY0737	2QCY0738	10
K45/50	2QCY0739	2QCY0740	10
K45/55	2QCY0741	2QCY0742	10
K50/40	2QCY0831	2QCY0832	10
K50/45	2QCY0839	2QCY0840	10
K50/50	2QCY0745	2QCY0746	10
K55/40	2QCY0833	2QCY0834	10
K55/45	2QCY0841	2QCY0842	10
K60/40	2QCY0835	2QCY0836	10
K65/32	2QCY0855	#	10
K70/32	2QCY0859	#	10

## Key Blank



Description	VBH No	Box Qty
Key Blank	2QCY0051	100

# This is not a stock item. We MAY be able to obtain it on a special order basis. Please ask.





## greenteQ Omega Letterbox

### Letterbox

The Omega letterbox features many of the design traits of the greenteQ Suite including the attractive greenteQ groove on the softly curved ends and across the bottom of the flaps themselves.

Omega is available in the greenteQ furniture colours of PVD gold, white, black and polished, satin and smokey chromes. All finishes exceed 500 hours salt spray testing.

Both the inner and outer flaps feature indentations on the lower frame to allow easy finger access, and both also open to a full 180° to avoid damage from rings or over-stressing the springs.

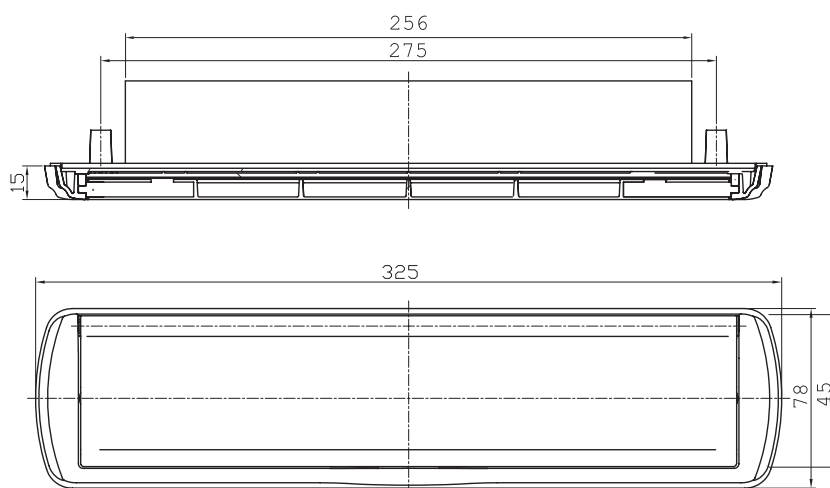
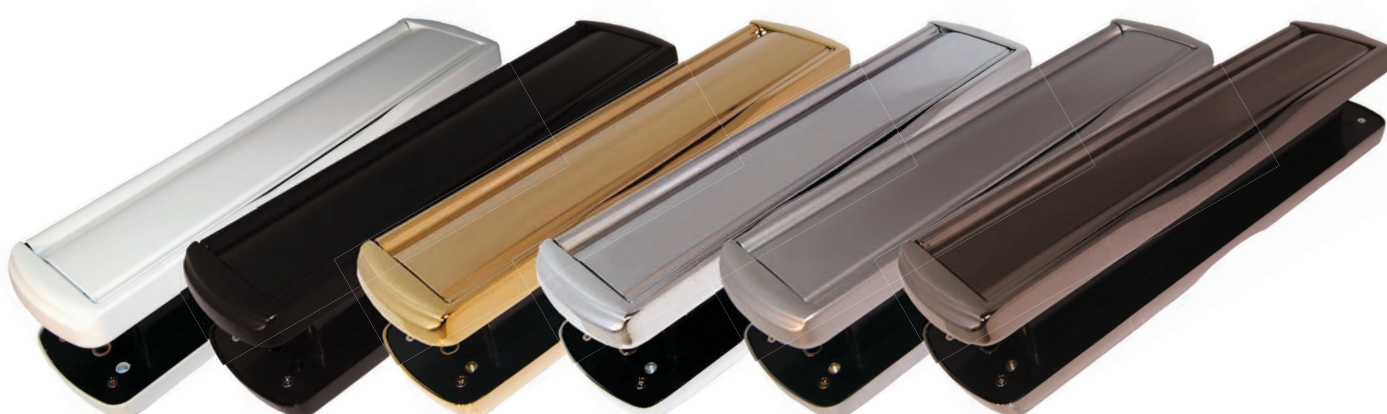
Omega is suitable for mid-rails from 40-80mm thick and is supplied complete with cuttable M6 screws for thru-fixing. It can be surface-fixed if preferred as both sides feature 4 screw holes covered with a thin membrane. These can easily be opened up if required, but when thru-fixing they preserve the visual integrity of the letterbox frame.

The letterbox features a strong, yet cushioned, closing action to stop rattling, and has internal brush seals and external Thermo-Plastic Rubber and Polyethylene seals to provide excellent draught and water protection.

#### Benefits at a glance:

- All metal frame construction
- Suits 40-80mm mid-rails and composite doors
- Finishes suite with greenteQ furniture range
- Features greenteQ groove on flaps and curved ends
- Nylon brush seal to inside and weather seal to external flap
- 180° opening (both sides)
- Supplied with M6 thru-fix screws or can be surface fixed
- Cushioned closing action
- Overall size: 325 x 78mm
- Door Aperture: 256 x 45mm

## Omega



Finish	VBH No	Box Qty
White (RAL9016)	2QBX0001	12
Black (RAL9005)	2QBX0004	12
PVD Gold	2QBX0005	12
Polished Chrome	2QBX0006	12
Satin Chrome	2QBX0007	12
Smokey Chrome	2QBX0008	12





## greenteQ Door Furniture

### greenteQ Kappa Door Knockers & Viewers

greenteQ Kappa door knockers have been designed with good looks, strength and fitter and user friendliness in mind.

The key feature is a quick fit fixing method that significantly cuts the assembly time. Simply attach the fixing bracket to the door face (using fasteners appropriate to the door material), then clip the knocker onto the bracket for a secure, permanent fit.

Not only is this great for the door manufacturer, but the end user benefits from not having unsightly capping nuts on the internal face of the door, which carry the risk of rust staining if the threaded fixing bar is made of steel, as is often the case.

Kappa knockers are available in Classic Urn and Slim Urn designs (with or without a cut-out for the Kappa 160° Door Viewer) Pony Tail and Doctor designs.

Kappa knockers are available in PVD gold, polished, satin and smokey chromes, white and black, and colour match perfectly with all other greenteQ door and window furniture products.

#### Benefits at a glance:

- Quick fit fixing method
- Part of the greenteQ colour-matched suite
- Robust, yet attractive
- Classic or Slim Urn options, with or without cut-out
- Pony Tail and Doctor allow greater choice
- Optional Door Viewer for 35-85mm thick doors



# Door Knockers and Accessories

## greenteQ

### Kappa 6" Classic Urn Door Knocker With & Without Hole



Finish	Without Hole	With Hole	Box Qty
White (RAL9016)	2QDF0001	2QDF0006	1
Black (RAL9005)	2QDF0002	2QDF0007	1
PVD Gold	2QDF0004	2QDF0009	1
Polished Chrome	2QDF0003	2QDF0008	1
Satin Chrome	2QDF0005	2QDF0010	1
Smokey Chrome	2QDF0021	2QDF0026	1

### Kappa Door Viewers



Description	35-60mm	60-85mm	Box Qty
160° White (RAL9016)	2QDF0101	2QDF0111	1
160° Black (RAL9005)	2QDF0102	2QDF0112	1
160° PVD Gold	2QDF0104	2QDF0114	1
160° Pol Chrome	2QDF0103	2QDF0113	1
160° Satin Chrome	2QDF0105	2QDF0115	1

### Kappa Slim Urn Door Knocker With & Without Hole



Finish	Without Hole	With Hole	Box Qty
White (RAL9016)	2QDF0011	2QDF0016	1
Black (RAL9005)	2QDF0012	2QDF0017	1
PVD Gold	2QDF0014	2QDF0019	1
Polished Chrome	2QDF0013	2QDF0018	1
Satin Chrome	2QDF0015	2QDF0020	1
Smokey Chrome	2QDF0031	2QDF0036	1

### Kappa Door Viewer Inner Covers

Finish	VBH Code	Box Qty
White (RAL9016)	2QDF0121	25/100
Black (RAL9005)	2QDF0122	25/100
PVD Gold	2QDF0123	25/100
Polished Chrome	2QDF0124	25/100
Satin Chrome	2QDF0125	25/100



Kappa Doctor Knocker



Finish	VBH No	Box Qty
White (RAL9016)	#	1
Black (RAL9005)	#	1
PVD Gold	2QDF0064	1
Polished Chrome	2QDF0063	1
Satin Chrome	2QDF0065	1
Smokey Chrome	2QDF0066	1

Kappa Pony Tail Knocker



Finish	VBH No	Box Qty
White (RAL9016)	#	1
Black (RAL9005)	#	1
PVD Gold	2QDF0084	1
Polished Chrome	2QDF0083	1
Satin Chrome	2QDF0085	1
Smokey Chrome	2QDF0086	1

# This is not a stock item. We MAY be able to obtain it on a special order basis. Please ask.



## greenteQ Door Restraint

### Door Restraint for Flush Timber & Composite Doors

The greenteQ Door Restraint is an attractive and effective alternative to a traditional door chain on flush timber and composite doors.

The hinged hasp section fits to the outer frame, whilst the ball-end bracket fixes to the door leaf. When engaged, the restraint allows the door to be opened sufficiently to allow a visitor's identity to be checked in much the same way that a standard chain does.

When disengaged the hasp folds neatly back against the wall, or through 180° against the side panel, making it a much neater product in use than a chain that would dangle untidily down the door frame.

greenteQ Door Restraints are available from VBH stock in attractive polished gold and polished chrome finishes to complement most coloured or natural finish doors.

Description	VBH Code	Box Qty
Polished Gold	2QMA0001	25
Polished Chrome	2QMA0002	25



## greenteQ *Clearspan* Bi-fold Door Hardware

### *Clearspan* Hardware for Slimline Aluminium and PVCu Bi-fold Doors

greenteQ Clearspan allows specifiers to design, and door manufacturers to build, slimline bi-fold doors with minimal visible hardware.

The roller assemblies and hinges are fixed into the door rebates rather than face-fixed to the sash and frame, with only the hinge knuckles showing when the door is closed. The rollers and guides run in top and bottom tracks which are neatly encapsulated within the frame. Brushes on the roller assembly clear away any dust or dirt that gathers in the track to ensure a smooth sliding operation.

Perfect operation is further aided by the 5mm vertical adjustment provided through the roller.

Roller assemblies, top guides and hinges are finished in white or black, whilst doors can be personalised with pull handles and intermediate turn handles in black, white, PVD gold, satin chrome and polished chrome. The intermediate handles are available either with or without a cylinder hole.

greenteQ Clearspan hardware is designed with the end user, the installer and manufacturer in mind. Therefore the rollers and hinges are configured to fit each profile system specifically. This means that

the parts locate on the door with no or minimal routing, depending on the profile. The hardware can be configured to suit most aluminium profiles and some PVCu systems.

greenteQ Clearspan hardware suits all common bi-fold layouts (330, 321, 431 etc) and can carry individual sash weights up to 120Kg.

greenteQ Clearspan is covered by the greenteQ 10 year guarantee.

#### **Benefits at a glance:**

- Slimline design as hardware is fixed into door rebates rather than surface fit
- Only hinge knuckles visible when closed
- Suitable for inward and outward opening doors with same hardware
- 120Kg sash weight
- Available in black and white with 4 additional finishes on intermediate and pull handles
- 5mm vertical adjustment
- Integrated brushes clear dirt from bottom track
- Suits most aluminium profiles and some PVCu systems
- No, or minimal, routing depending on profile
- All common schemes can be accommodated

### Guides & Rollers\*

Description	White RAL9016	Black RAL9005	Box Qty
Top Guide	4QBF1001	4QBF1002	5
Bottom Roller	4QBF1031	4QBF1032	5

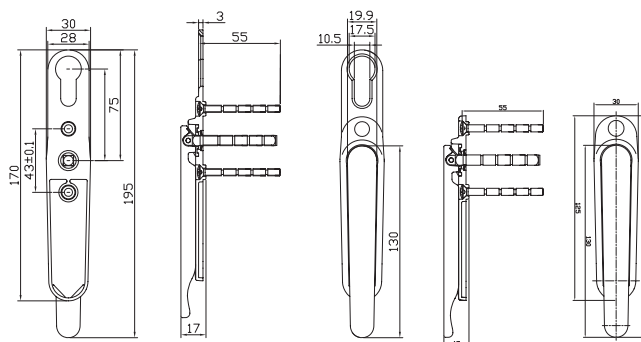
### Hinges\*

Description	White RAL9016	Black RAL9005	Box Qty
Hinge	4QBF1061	4QBF1062	50

### Hinges With Pull Handle\*

Finish	VBH Code	Box Qty
White/White	4QBF1071	25
Black/Black	4QBF1072	25
Black/PVD Gold	4QBF1073	25
Black/Pol. Chrome	4QBF1074	25
Black/Satin Chrome	4QBF1075	25

### Clearline Intermediate Turn Handles



Slimline handle with 'Lift & Turn' technology  
Ideal for Bi-fold doors

Description	Finish	VBH Code	Box Qty
No PZ Hole	White	4QBF0001	40
No PZ Hole	Black	4QBF0002	40
No PZ Hole	PVD Gold	4QBF0003	40
No PZ Hole	Pol. Chrome	4QBF0004	40
No PZ Hole	Satin Chrome	4QBF0005	40
With PZ Hole	White	4QBF0011	40
With PZ Hole	Black	4QBF0012	40
With PZ Hole	PVD Gold	4QBF0013	40
With PZ Hole	Pol. Chrome	4QBF0014	40
With PZ Hole	Satin Chrome	4QBF0015	40

\* These parts are profile related and suit Smart Visofold 1000, 2000 and 3000 profiles. Hardware for other sections is in development.



# Sliding Door Handles

## greenteQ

### Alpha Pull Handle for Inline Sliding Patio Doors



Part of the greenteQ Suite (6 finishes)  
Handing easily reversed to reduce stock-holding  
Fits popular Roto and Yale patio door locks  
Available with or without PZ hole  
Covered by the greenteQ 10 year guarantee

Finish	With PZ	Without PZ	Blank Outer	Box Qty
White (RAL9016)	2QHB2001	2QHB2021	2QHB2041	6
Black (RAL9005)	2QHB2004	2QHB2024	2QHB2044	6
PVD Gold	2QHB2005	2QHB2025	2QHB2045	6
Pol. Chrome	2QHB2006	2QHB2026	2QHB2046	6
Satin Chrome	2QHB2007	2QHB2027	2QHB2047	6
Smokey Chrome	2QHB2008	2QHB2028	2QHB2048	6

# Outward Opening Window Espagnolettes

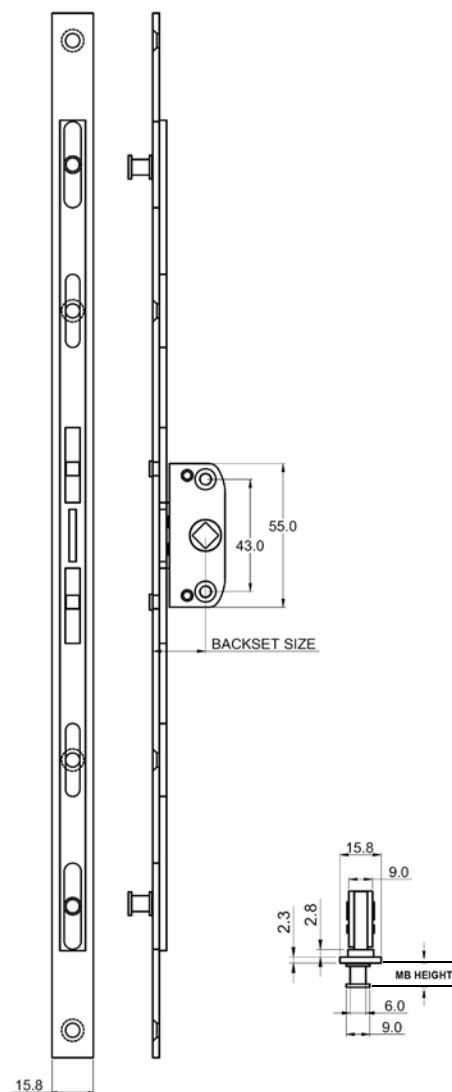
## Epsilon

Inline gearbox

Flat 16mm faceplate for Eurogroove fit

Length	No of MB*	20BS 8MB	22BS 8MB	20BS 9MB	22BS 9MB	Box Qty
110mm	2	2QWE0247	2QWE0249	2QWE0248	2QWE0250	100
250mm	2	2QWE0198	2QWE0174	2QWE0210	2QWE0204	100
400mm	2	2QWE0199	2QWE0175	2QWE0211	2QWE0205	100
600mm	2	2QWE0200	2QWE0176	2QWE0212	2QWE0206	50
800mm	2	2QWE0201	2QWE0177	2QWE0213	2QWE0207	50
1000mm	3	2QWE0202	2QWE0178	2QWE0214	2QWE0208	40
1200mm	3	2QWE0203	2QWE0179	2QWE0215	2QWE0209	40

Description	VBH Code**	Box Qty
Mushroom Striker**	2QWE - - - -	200



\*MB denotes quantity of mushroom striker plates required

\*\*Contact VBH or visit [www.vbhgb.com](http://www.vbhgb.com) for details of profile related striker plates (if available)



## greenteQ Alpha Outward Open Window Handle

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### Casement Window Espagnolette and Cockspur Handles

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greenteQ Alpha is a premium quality push to open handle for PVCu, timber or aluminium outward opening windows.

The espagnolette version has a 7mm square spindle making it compatible with all popular spindle drive shootbolts and espagnolettes, whilst a variety of standard spindle lengths ensures quick fitting on most window profiles currently used in the UK.

The cockspur represents a lower cost locking solution where espag/shootbolt locking is not required.

Alpha is available in a choice of white, black, satin, polished and smokey chromes and PVD and polished gold finishes, all with colour co-ordinated screw cover caps.

Not only does it look good in the factory, but 240 hours (plated finishes) and 500 hours (painted finishes) neutral salt spray corrosion resistance performance figures ensure that Alpha still looks good after many years use.

Delivered in sturdy boxes of 25, Alpha espagnolette handle is available in a choice of inline or offset designs and in cylinder locking, non-locking or egress options.

The white inline handle is also available in retail-friendly Blister Packs, making it ideal for selling to the general public via service engineers, trade counters or web shops.

The cylinder button can be blanked off using a white, black or green keyway blanking insert or plug. This will create a push to open non-locking handle.

#### Benefits at a glance

- greenteQ brand ensures premium quality
- Sleek and stylish handle grip suites well with other contemporary-design products
- 90° stop / click location washer
- Supplied as a complete set, including handle, cover caps and fixings
- Colour coded inner packaging for easy identification on the work bench (blue for left, red for right and clear for inline)
- Retail-friendly option for increased sales



## Alpha Inline - Locking



Inline locking

Key to lock

Push to release

Please enquire with sales regarding non-locking and egress versions

Also available in retail-friendly blister packs

Spindle Size	White RAL9016	Polished Gold	PVD Gold	Polished Chrome	Satin Chrome	Black RAL9005	Smokey Chrome	Box Qty
10mm	2QEH0001	2QEH0004	2QEH0002	2QEH0003	2QEH0005	2QEH0006	-	25
15mm	2QEH0011	2QEH0014	2QEH0012	2QEH0013	2QEH0015	2QEH0016	-	25
20mm	2QEH0021	2QEH0024	2QEH0022	2QEH0023	2QEH0025	2QEH0026	-	25
25mm	2QEH0031	2QEH0034	2QEH0032	2QEH0033	2QEH0035	2QEH0036	-	25
30mm	2QEH0041	2QEH0044	2QEH0042	2QEH0043	2QEH0045	2QEH0046	2QEH0047	25
35mm	2QEH0051	2QEH0054	2QEH0052	2QEH0053	2QEH0055	2QEH0056	-	25
40mm	2QEH0061	2QEH0064	2QEH0062	2QEH0063	2QEH0065	2QEH0066	-	25
50mm	-	2QEH0074	-	2QEH0073	2QEH0075	-	-	25
55mm	2QEH0091	2QEH0094	2QEH0092	2QEH0093	2QEH0095	2QEH0096	2QEH0097	25

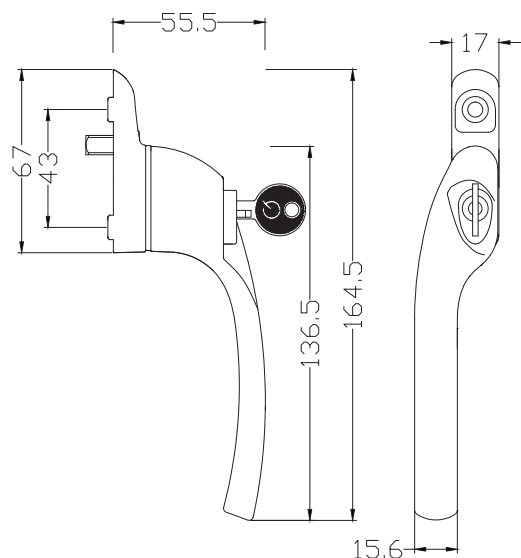
## Accessories

Description	White	Gold	Brushed Silver	Bright Chrome	Black	Smokey Chrome	Box Qty
Cover Cap	2QEH2001	2QEH2002	2QEH2003	2QEH2006	2QEH2004	2QEH2005	1000
Description	White	Black	Green	Box Qty			
Keyway Blanking Insert	2QEH2011	2QEH2012	2QEH2013	1000			
Description	White	Black	Green	Box Qty			
Keyway Blanking Plug	2QEH2031	2QEH2032	2QEH2033	1000			
Description	VBH Code	Box Qty					
Spare Key	2QEH2000	1000					





## Alpha Offset - Locking



Offset locking

Key to lock

Push to release

Please enquire with sales regarding non-locking and egress versions

Spindle Size	White LH	White RH	Pol.Gold LH	Pol.Gold RH	PVD Gold LH	PVD Gold RH	P.Chrome LH	P.Chrome RH	Box Qty
10mm	2QEH1001	2QEH1002	2QEH1007	2QEH1008	2QEH1003	2QEH1004	2QEH1005	2QEH1006	25
15mm	2QEH1021	2QEH1022	2QEH1027	2QEH1028	2QEH1023	2QEH1024	2QEH1025	2QEH1026	25
20mm	2QEH1041	2QEH1042	2QEH1047	2QEH1048	2QEH1043	2QEH1044	2QEH1045	2QEH1046	25
25mm	2QEH1061	2QEH1062	2QEH1067	2QEH1068	2QEH1063	2QEH1064	2QEH1065	2QEH1066	25
30mm	2QEH1081	2QEH1082	2QEH1087	2QEH1088	2QEH1083	2QEH1084	2QEH1085	2QEH1086	25
35mm	2QEH1101	2QEH1102	2QEH1107	2QEH1108	2QEH1103	2QEH1104	2QEH1105	2QEH1106	25
40mm	2QEH1121	2QEH1122	2QEH1127	2QEH1128	2QEH1123	2QEH1124	2QEH1125	2QEH1126	25
Spindle Size			Satin Chr LH	Satin Chr RH	Black LH	Black RH	Sm.Chr LH	Sm.Chr RH	Box Qty
10mm			2QEH1009	2QEH1010	2QEH1011	2QEH1012	-	-	25
15mm			2QEH1029	2QEH1030	2QEH1031	2QEH1032	-	-	25
20mm			2QEH1049	2QEH1050	2QEH1051	2QEH1052	-	-	25
25mm			2QEH1069	2QEH1070	2QEH1071	2QEH1072	-	-	25
30mm			2QEH1089	2QEH1090	2QEH1091	2QEH1092	2QEH1093	2QEH1094	25
35mm			2QEH1109	2QEH1110	2QEH1111	2QEH1112	2QEH1113	2QEH1114	25
40mm			2QEH1129	2QEH1130	2QEH1131	2QEH1132	-	-	25
50mm			2QEH1169	2QEH1170	-	-	-	-	25
65mm			2QEH1229	2QEH1230	-	-	-	-	25

## Accessories

Description	White	Gold	Brushed Silver	Bright Chrome	Black	Smokey Chrome	Box Qty
Cover Cap	2QEH2001	2QEH2002	2QEH2003	2QEH2006	2QEH2004	2QEH2005	1000
Description				White	Black	Green	Box Qty
Keyway Blanking Insert				2QEH2011	2QEH2012	2QEH2013	1000
Description				White	Black	Green	Box Qty
Keyway Blanking Plug				2QEH2031	2QEH2032	2QEH2033	1000
Description						VBH Code	Box Qty
Spare Key						2QEH2000	1000



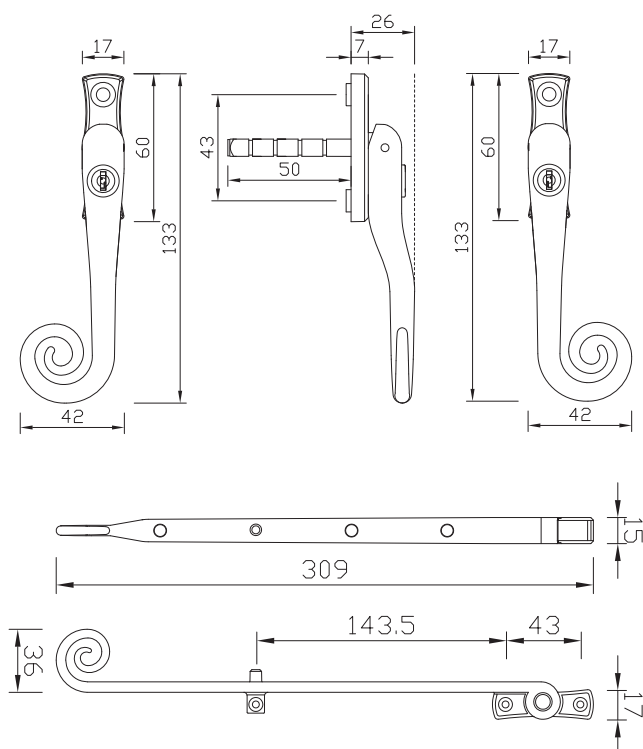
# Espag Handles greenteQ

Alpha - Retail Friendly Blister Pack



Inline locking  
Key to lock  
Push to release  
Notched spindle for easy cutting (maximum 40mm)  
Supplied with consumer-friendly fitting instructions

Description	VBH No	Box Qty
Alpha Blister Pack	2QEH0501	10



## greenteQ Monkey Tail Window Furniture

### Monkey Tail Espagnolette Handle & Dummy Casement Stay

Everyone appreciates the comfort and performance of PVCu and high performance timber windows with their thermal efficiency and security benefits. However, many end users desire a traditional appearance to windows that current contemporary handles cannot provide. The answer to this problem is the greenteQ Monkey Tail espagnolette handle, which works with standard and security espagnolettes, and shootbolts.

greenteQ Monkey Tail has been designed specifically as an espagnolette handle, rather than modified from an existing casement fastener. Manufacturers and end-users will see a number of benefits as a result. The backplate has been cast to the correct width to allow it to clear the frame rebate on modern outward opening windows rather than being machined then coated. This eliminates any unsightly machining marks and provides the consistency of product necessary for modern window production lines.

The handle's 'Lift to Turn' function prevents handle droop on top hung sashes and guards against external manipulation. Full key locking is provided by the working cylinder.

The 50mm spindle has easy-cut notches to enable it to be cut to fit any profile. The black fixing screws provided are also notched.

To complement the Monkey Tail handle, there is also a non-handed greenteQ Monkey Tail Dummy Casement Stay. This is a purely

decorative item that fits to the bottom of the opening sash to replicate a casement stay and peg, thus completing the traditional 'illusion'.

Both the handle and stay are finished in hard wearing Antique Black powder coat and are covered by the 10 year greenteQ guarantee.

#### Benefits at a glance:

- Gives modern windows a more traditional look
- Key lockable with working cylinder
- Slim cast backplate for frame clearance and improved appearance
- 'Lift to Turn' operation prevents droop and protects against manipulation
- 50mm spindle with easy-cut notches (screws also notched)
- Designed as an espagnolette handle. Backplate is cast to correct slim width so there are no unsightly machining marks
- Stay is unhandled – reduced stock-holding
- Black fixings included with handle and stay
- 10 year greenteQ guarantee

Colour	VBH No	Box Qty
LH Monkey Tail Handle Black	2QEH6001	25
RH Monkey Tail Handle Black	2QEH6002	25
Dummy Monkey Tail Casement Stay	2QEH6021	25

### Alpha - Locking

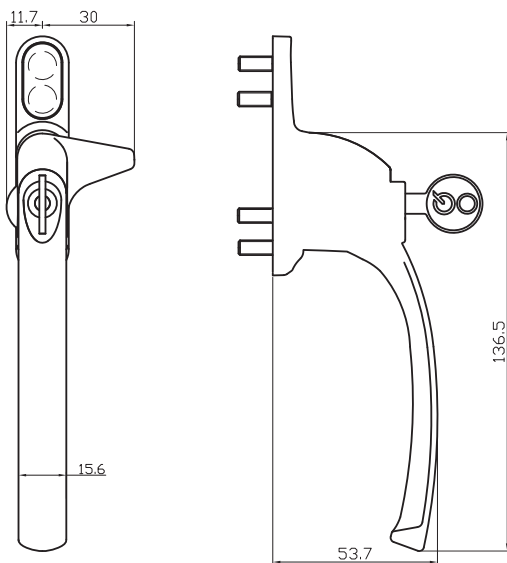


Image shows 12mm upstand handle



Offset locking

Key to lock

Push to release

All handles are supplied with key and cover caps

Upstand	White LH	White RH	P.Gold LH	P.Gold RH	P.Chrome LH	P.Chrome RH	S.Chrome LH	S.Chrome RH	Black LH	Black RH	Box Qty
12mm	2QCH0001	2QCH0002	-	-	2QCH0005	2QCH0006	2QCH0009	2QCH0010	2QCH0011	2QCH0012	25
21mm	2QCH0021	2QCH0022	2QCH0027	2QCH0028	2QCH0025	2QCH0026	2QCH0029	2QCH0030	2QCH0031	2QCH0032	25

### Accessories

Description	White	Gold	Silver	Black	Box Qty
Cover Cap	2QCH2001	2QCH2002	2QCH2003	2QCH2004	1000
Description	White	Black	Green	Box Qty	
Keyway Blanking Insert	2QEH2011	2QEH2012	2QEH2013	1000	
Description	White	Black	Green	Box Qty	
Keyway Blanking Plug	2QEH2031	2QEH2032	2QEH2033	1000	
Description	Height	White	Black	Box Qty	
Easy Fix Wedge	3mm	2IDE0008	2IDE0007	100	
Easy Fix Wedge	4mm	2IDE0006	2IDE0005	100	
Easy Fix Wedge	5mm	2IDE0004	2IDE0003	100	
Easy Fix Wedge	6mm	2IDE0002	2IDE0001	100	





## greenteQ Delta Friction Stays and Hinge Protectors

### Casement Window Friction Stay

greenteQ Delta is a top quality friction stay range for 'standard' size PVCu, aluminium and timber outward opening windows.

It is available in top hung and side hung variants in all the usual lengths and can be supplied in either a 13mm or 17mm stack height.

The opening and closing friction can be adjusted using a standard flat bladed screw driver and nylon end caps ensure a smooth closing action and good weather tightness in the corner.

greenteQ Delta hinges are produced from ferritic (was Grade 430) stainless and all moving parts are treated with a clear lubricant.

### Casement Window Hinge Protector

Hinge Protectors provide excellent resistance to forced entry. With one fitted in the friction stay groove on the sash and another fitted opposite on the frame (in both hinged corners), the Protectors inter-lock if jemmying of the hinge side of a window is attempted.

In normal use the Protectors do not come into contact with each other so wear and tear is not an issue.

greenteQ Delta Hinge Protectors are produced from stainless steel and have been tested to the requirements of PAS24:2012.



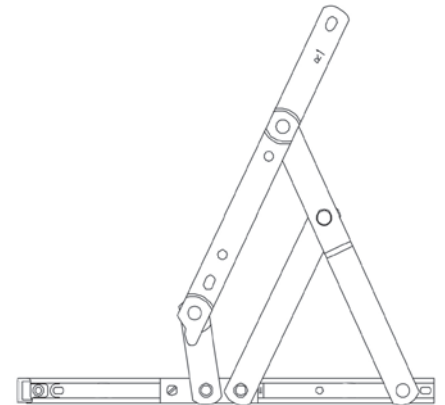
# Friction Stays - Standard

## Delta Friction Stay

### Standard - Top Hung

Sold in pairs

Size	Max Sash Width	Max Sash Height	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
8"	1200	300	12	62°	2QFH0001	2QFH0031	50
10"	1200	450	16	56°	2QFH0002	2QFH0032	50
12"	1200	600	21	64°	2QFH0003	2QFH0033	25
16"	1200	750	22	51°	2QFH0004	2QFH0034	25
20"	1200	900	24	42°	2QFH0005	2QFH0035	25
24"	1200	1500	35	38°	2QFH0006	2QFH0036	25



### Standard - Side Hung

Sold in pairs

Size	Max Sash Width	Max Sash Height	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
12"	650	1250	20	60°	2QFH0007	2QFH0037	25
16"	700	1300	24	52°	2QFH0008	2QFH0038	25

## Delta Hinge Protector



Sold singularly

Size	VBH Code	Box Qty
13mm Stack	2QFH0061	100
17mm Stack	2QFH0062	100

It is the responsibility of the window manufacturer to ensure that the finished window meets any required safety and performance specifications.



## greenteQ Alpha TBT Handle

### TBT Handle

Alpha TBT is a premium quality handle that features the modern appearance and comfortable feel of its Alpha stable mates, the Alpha Cockspur handle, Alpha Espagnolette handle and Alpha Door handle.

Alpha TBT is available in locking and non-locking versions.

+

The lockable handle has four settings:

- 1) Unlocked – the handle will permit free movement from closed, through tilt and into the turn position to allow the external face of the window to be safely cleaned from inside the building.
- 2) Tilt Safe – with the cylinder turned to 90° the handle permits free movement to the 90° tilt position to allow tilt ventilation but the window cannot be fully opened, thus preventing falls. Once the handle is unlocked using the key the window can be opened in turn mode.
- 3) Locked – with the cylinder in the locked position (180° from unlocked) the handle is fully locked and the window can not be opened in any position. For security reasons, this is the ideal state for the handle to be left in when the building is empty as it will also block the movement of the hardware if manual manipulation is attempted from outside.

- 4) Turn First Locked – by fitting the backplate inverted the handle can be locked in the bottom (closed) position as normal, but the user will not have the option of turning the key to only 90°. It must be turned the full 180° to allow the handle to operate, making it suitable for remedial fitting to older turn first windows.

The handle backplate is marked TS and TF under the cover plate to indicate if the handle is being fitted in Tilt Safe or Turn First mode.

The non-locking handle is 'true' non-locking as it features no push buttons or latching mechanism, providing ease of use where locking and/or latching is unnecessary.

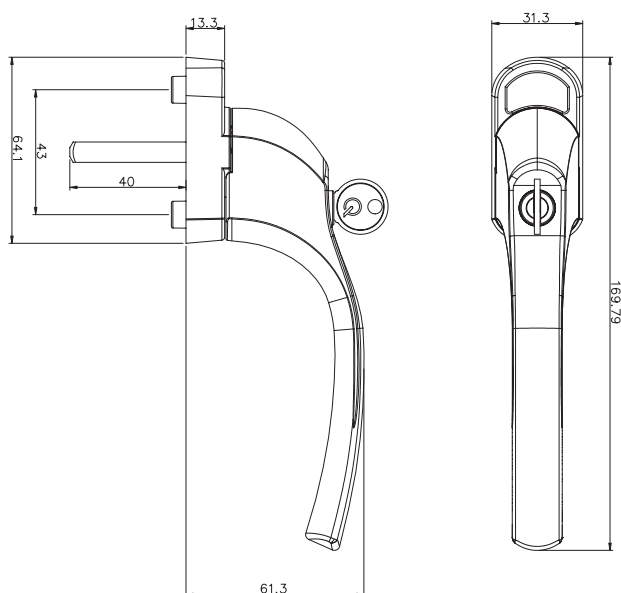
Standard 43mm fixing centres make Alpha TBT suitable for all Eurogroove – fit tilt and turn hardware systems widely used on PVCu, timber and increasingly on some aluminium windows. These include those made by Roto, Siegenia-Aubi, Maco, Fuhr, Winkhaus, Garant, Hautau and others.

Alpha TBT is available from stock in white, black, PVD gold and polished, satin and smokey chromes.



# Tilt & Turn Handles

## greenteQ Alpha TBT - Locking



Matches greenteQ suited range

TBT function for child safety

Locates in 4 positions at 90° intervals

Spindle Size	White RAL9016	Black RAL9005	PVD Gold	Box Qty
30mm	2QTT0041	#	#	10/60
40mm	2QTT0061	2QTT0066	2QTT0062	10/60
Spindle Size	Polished Chrome	Satin Chrome	Smokey Chrome	Box Qty
30mm	2QTT0043	2QTT0045	#	10/60
40mm	2QTT0063	2QTT0065	2QTT0068	10/60

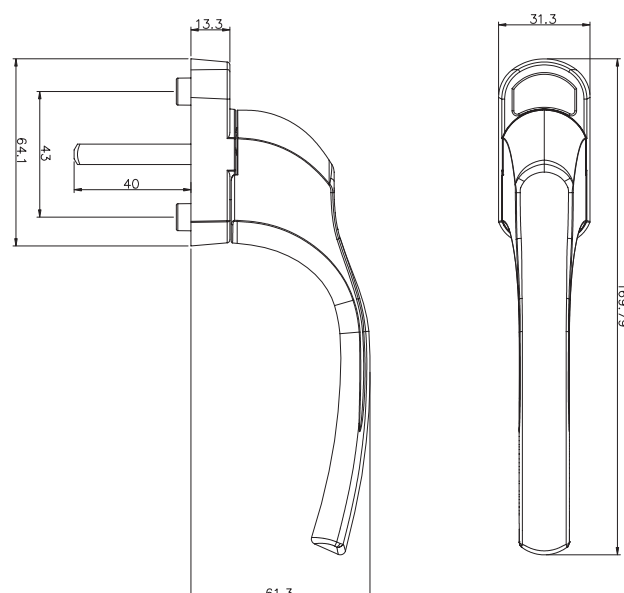
## Accessories

Description	White	Black	Box Qty
Cover Cap	2QTT0101	2QTT0102	1
Description	VBH Code	Box Qty	
Spare Key	2QTT0106	1	

All locking handles supplied with key

# This is not a stock item. We MAY be able to obtain on a special order basis. Please ask

## greenteQ Alpha TBT - Non-locking



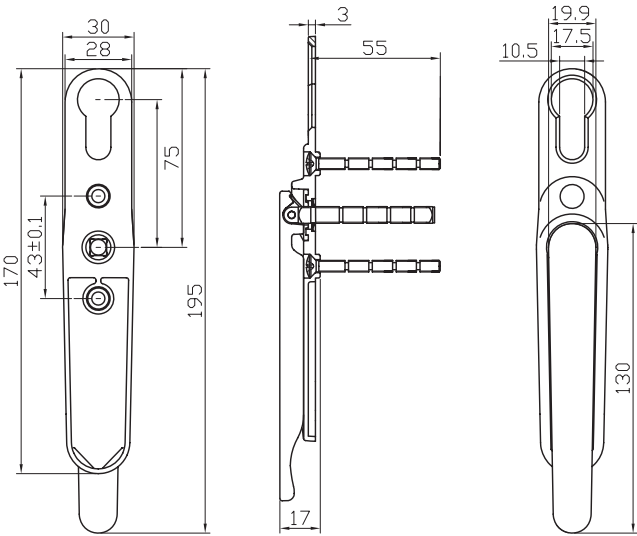
Non-Locking handle for basic tilt and turn windows

Locates in 4 positions at 90° intervals

Spindle Size	White RAL9016	Black RAL9005	PVD Gold	Box Qty
30mm	2QTT0241	#	#	10/60
40mm	2QTT0261	2QTT0266	2QTT0262	10/60
Spindle Size	Polished Chrome	Satin Chrome	Smokey Chrome	Box Qty
30mm	2QTT0243	2QTT0245	#	10/60
40mm	2QTT0263	2QTT0265	2QTT0268	10/60

# Slim Turn Handles greenteQ

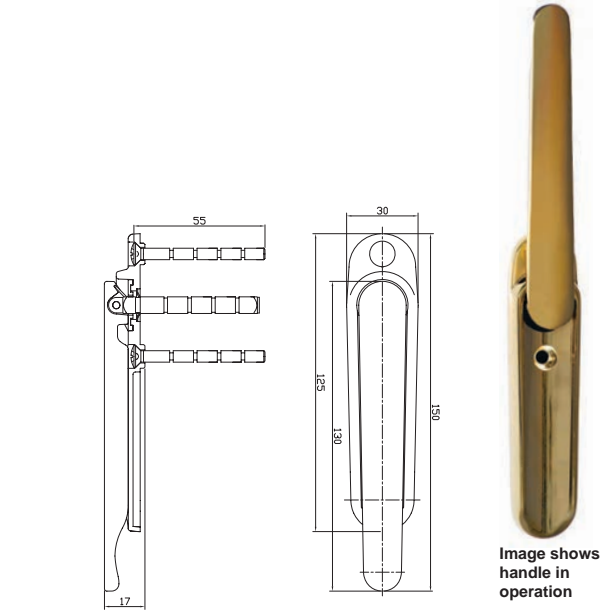
Clearline Slim Turn Handles  
with PZ



Slimline handle with 'Lift & Turn' technology  
Ideal for Bi-fold doors  
With cylinder hole (PZ)

Description	Finish	VBH Code	Box Qty
With PZ Hole	White	4QBF0011	40
With PZ Hole	Black	4QBF0012	40
With PZ Hole	PVD Gold	4QBF0013	40
With PZ Hole	Pol. Chrome	4QBF0014	40
With PZ Hole	Satin Chrome	4QBF0015	40

Clearline Slim Turn Handles  
without PZ



Slimline handle with 'Lift & Turn' technology  
Ideal for Bi-fold doors  
Without cylinder hole (PZ)

Description	Finish	VBH Code	Box Qty
No PZ Hole	White	4QBF0001	40
No PZ Hole	Black	4QBF0002	40
No PZ Hole	PVD Gold	4QBF0003	40
No PZ Hole	Pol. Chrome	4QBF0004	40
No PZ Hole	Satin Chrome	4QBF0005	40

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\*Correct at time of printing



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Notes

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# Guarantee and Fitting & Maintenance Guidelines

## VBH (GB) Ltd 10 Year Guarantee

greenteQ 10-year Guarantee: Our Promise

VBH has every confidence that the greenteQ product range will delight our customers in terms of appearance and performance.

greenteQ products are designed for the UK and European window and door markets to conform to a multitude of standards including BS and EN where applicable. Quality checks are built into the manufacturing processes and supply chain so that reliability leads industry standards.

The 10 year guarantee for performance and reliability is provided subject to the product being fitted and maintained in accordance with VBH guidelines and shall not be subject to stresses and operating forces beyond normal levels.

In the unlikely event of a product failing within the 10 year guarantee period as a result of defective manufacture or design, VBH (GB) Ltd will replace it free of charge or credit its original purchase value. The component must be returned to us or inspected by VBH on site to agree the cause of failure. The credit shall not exceed the original value of the part.

This guarantee does not apply to any mechanical or surface finish fault if it is caused by wilful or neglectful damage or inappropriate chemical contact. It also does not apply to surface finishes if the product is installed in an area of particularly aggressive atmospheric conditions, such as coastal or heavy industrial/polluted environments.

This guarantee does not affect statutory rights.



For guaranteed performance and long term reliability all products must be installed and maintained\* in accordance with the following recommended guidelines.

### Window & Door Handles and Furniture

- Handle screws must not be over tightened as this may impair the operation of the hardware.
- All turning points on handles must be lightly lubricated twice per year.
- Surfaces must be regularly cleaned with a soft damp cloth to remove any dust or grime, taking care not to scratch the surface.

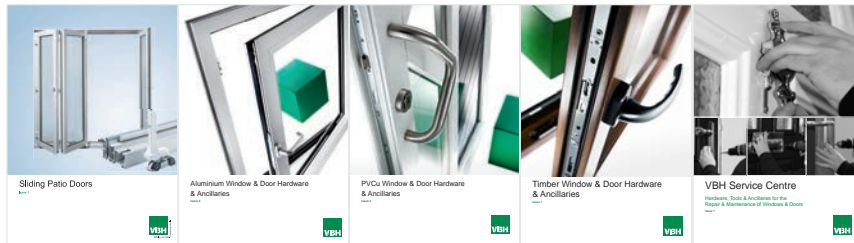
### Window and Door Hinges

- Ensure that the correct size and type of hinge detailed in the relevant brochure is fitted according to window/door type, size and weight.
- Fixings must be into reinforcement using corrosion resistant screws taking care not to over tighten them.
- All pivot points must be lightly lubricated, fixings checked and the friction stay sliding channel wiped with a clean cloth, twice per year.

### Window and Door Locking Mechanisms

- Profile to be routed for gearbox in accordance with hardware manufacturer's guidelines, copies of which are available upon request.
- Excess swarf must be removed.
- Final adjustments should be made after installation to ensure positive engagement of all locking points and smooth closing operation.
- Any build up of dirt on all moving parts must be removed regularly. These points must be lubricated at the same time.

**\*Simple maintenance kits are available from VBH. Please ask.**



All VBH catalogues and much more can be downloaded from [www.vbhgb.com](http://www.vbhgb.com)

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