



Aluminium Window & Door Hardware & Ancillaries

Issue 2



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.



Single & Double Door Hardware



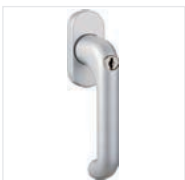
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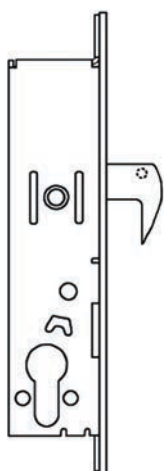
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Door Locks Adams Rite

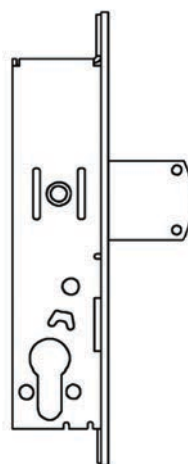
MS 2200 Series with Hookbolt



Narrow Style
Hookbolt

Description	VBH Code	Box Qty
25mm Backset	3ARC0055	1
30mm Backset	3ARC0056	1
Flat Faceplate for 2200 Barbolt Deadlock	3ARC0112	1
Radius Faceplate for 2200 Barbolt Deadlock	3ARC0114	1

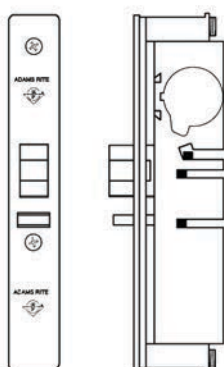
MS 2200 Series with Barbolt



Narrow Style
Barbolt

Description	VBH Code	Box Qty
25mm Backset	3ARC0053	1
30mm Backset	3ARC0054	1
Flat Faceplate for 2200 Barbolt Deadlock	3ARC0111	1
Radius Faceplate for 2200 Barbolt Deadlock	3ARC0113	1

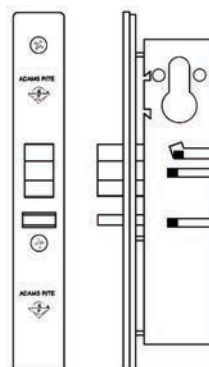
4700 Series with Deadbolt



Narrow Style
4710 Dead Latch
Round Profile

Description	VBH Code	Box Qty
24.6mm Backset	3ARC0077	1
28.6mm Backset	3ARC0078	1
38.1mm Backset	3ARC0079	1
Flat Faceplate for 4700 Series Deadbolt	3ARC0104	1
Radius Faceplate for 4700 Series Deadbolt	3ARC0105	1
Radius Faceplate with Weatherstrip for 4700	3ARC - - - *	1

4700 Series with Deadbolt



Narrow Style
4750 Dead Latch
Euro Profile

Description	VBH Code	Box Qty
24mm Backset	3ARC0050	1
28mm Backset	3ARC0051	1
Flat Faceplate for 4700 Series Deadbolt	3ARC0104	1
Radius Faceplate for 4700 Series Deadbolt	3ARC0105	1
Radius Faceplate with Weatherstrip for 4700	3ARC - - - *	1

*Refer to VBH for profile related item to suit your system



Single Point Door Locks

Adams Rite

Sentinel

Extreme security deadlock

Complies with BS EN 12209 at security grade 6

Bolt withstands 10kN side load in unsupported application and 6kN end load

29mm barbolt with anti-spread feature incorporating the benefits of a hook bolt

New patented Adams Rite over-centre mechanism

Aids compliance with current door set standards

Specifically designed to fit into thermally broken and shopfront applications

Retro-fits into existing prep for MS2200

Lock Bodies

Description	VBH Code	Box Qty
Commercial Deadlock 25mm Backset	3ARC0210	1/20
Commercial Deadlock 30mm Backset	3ARC0211	1/20

Faceplates

Description	VBH Code	Box Qty
Flat Faceplate SAA	3ARC0213	1/20
Radius Faceplate SAA	3ARC0214	1/20
Radius Weatherstrip Faceplate SAA	3ARC0215	1/20

Lock Fixings

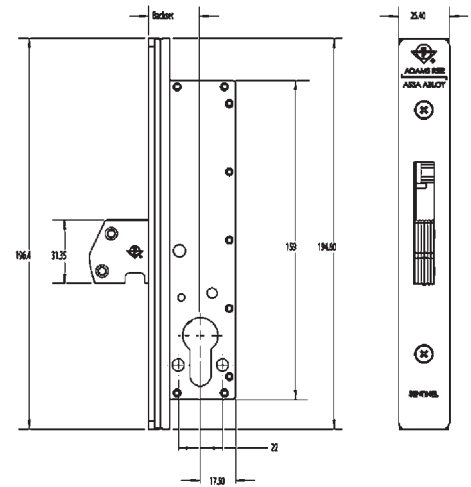
Description	VBH Code	Box Qty
Cranked Fixing Tab Pair for Flush Lock Front Plate Application	3ARC0216	10 Pr

Striker Package

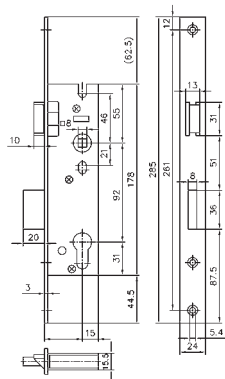
Description	VBH Code	Box Qty
Armoured Strike Backplate - Flush Front Plate Application	3ARC0217	1
Sentinel Flat Trim Striker SAA	3ARC0218	1
Radius Trim Strike SAA	3ARC0219	1

Escutcheon

Description	VBH Code	Box Qty
Euro Escutcheon Silver	3ARC0220	1



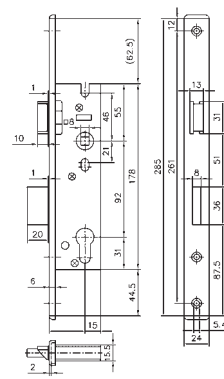
Mortice Lock



Complies with EN 18251-2:2002 category 3
20mm deadbolt throw
3 x 24mm stainless steel flat faceplate
Non-handed
Flush latch and deadbolt

Description	VBH Code	Box Qty
25mm Backset	21-737178	1
30mm Backset	21-737194	1
35mm Backset	2ESC0035	1
40mm Backset	21-564818	1
45mm Backset	21-564826	1

Mortice Lock

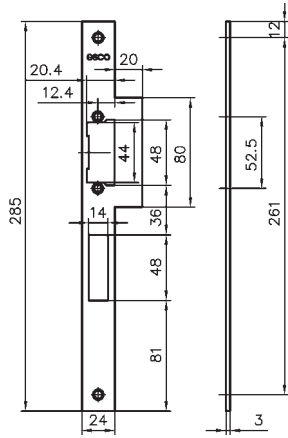


Complies with EN 18251-2:2002 category 3
20mm deadbolt throw
6 x 24mm stainless steel U-Rail faceplate
Non-handed
1mm latch and deadbolt protrusion

Description	VBH Code	Box Qty
24mm Backset	21-590444	1
29mm Backset	21-590452	1
34mm Backset	2ESC0043	1
39mm Backset	21-590479	1
44mm Backset	21-590487	1

esco

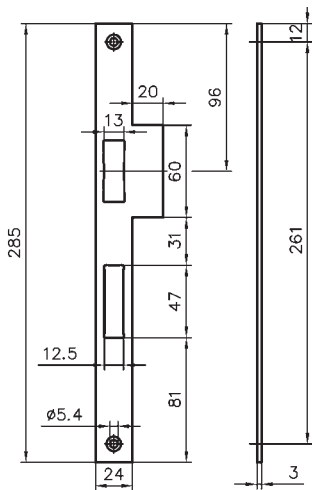
Striker Plate



Non-handed

Description	VBH Code	Box Qty
Stainless Steel 5 x 24mm U-Rail	2ESC0065	1

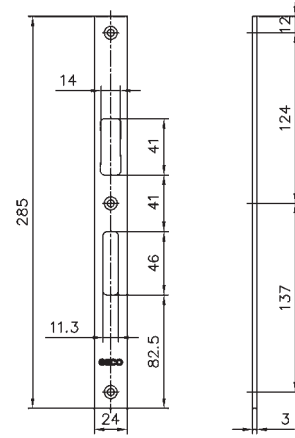
Striker Plate



Non-handed

Description	VBH Code	Box Qty
Stainless Steel 3mm	2ESC0084	1

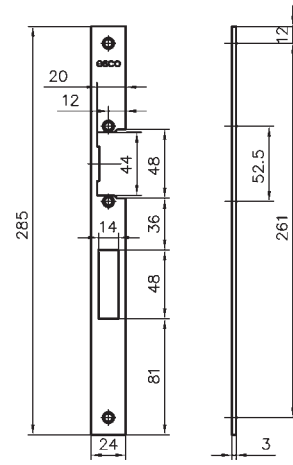
Striker Plate



Non-handed

Description	VBH Code	Box Qty
Galvanised Steel 3 x 24mm Flat	21-549894	1
Stainless Steel 3 x 24mm Flat	2ESC0037	1
Stainless Steel 5 x 24mm U-Rail	2ESC0041	1

Striker Plate



Non-handed

Description	VBH Code	Box Qty
Stainless steel 3mm	2ESC0064	1

Multi-Point Door Locks

Maco

C-TS Combined Lift/Lever & Split Spindle Door Locks

Lift/Lever - Split Spindle function

Features Hook/Cam combination locking points

D-Drive Technology

92PZ

Compact lockcases to minimise routing

PAS24:2012 security tested

Approved under Maco Secure Plus guarantee scheme

Available in Tricoat Plus for increased corrosion resistance

Description	FP Width/ Length (mm)	VBH Code	Box Qty
35mm BS 2 Hooks/4 Cams	16/2200	3CTS0001	5
45mm BS 2 Hooks/4 Cams	16/2200	3CTS0002	5
35mm BS 2 Hooks/2 Cams	16/2200	3CTS0003	5
45mm BS 2 Hooks/2 Cams	16/2200	3CTS0004	5
35mm BS 2 Hooks/2 Cams	16/1800	3CTS0005	5
45mm BS 2 Hooks/2 Cams	16/1800	3CTS0006	5
35mm BS 2 Hooks	16/2200	3CTS0007	5
45mm BS 2 Hooks	16/2200	3CTS0008	5
35mm BS 2 Hooks	20/2200	3CTS0027	5
45mm BS 2 Hooks	20/2200	3CTS0028	5

C-TS Split Spindle Packs*

Description	VBH Code	Box Qty
Split Spindle Pack 45/50	3CTS0091	5
Split Spindle Pack 54/64	3CTS0092	5
Split Spindle Pack 64/64	3CTS0093	5

Strikers Required*

Description	VBH Code	Box Qty
Latch/Deadbolt Plate LH or RH	3MDL - - - -	20
Hook Striker Plate	3MDL - - - -	20
Hook/Cam Striker Plate LH or RH	3CTS - - - -	20
Casement Striker	5MAC - - - -	200
or		
'IS' Mushroom Striker	5MAC - - - -	100

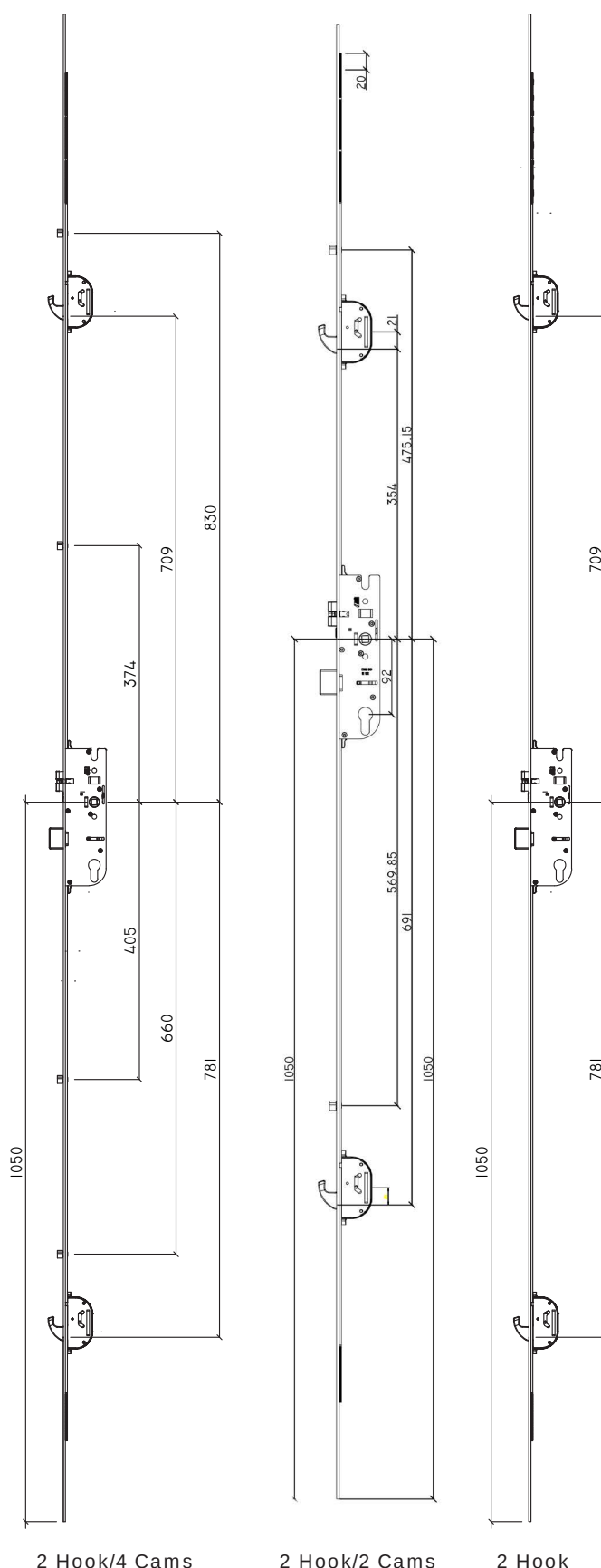
Double Door Passive Lock

Description	VBH Code	Box Qty
35BS 16FP/1500mm	3CTS0011	5
45BS 16FP/1500mm	3CTS0012	5

Vertical Shootbolts & Shootbolt Strikers*

Description	VBH Code	Box Qty
300mm Straight Action c/w 'IS' Cam (Bottom)	3MDL4084	10
300mm Reverse Action c/w 'IS' Cam (Top)	3MDL4086	10
500mm Reverse Action c/w 'IS' Cam (Top)	3MDL4089	10
300mm Straight Action No Cam (Bottom)	3MDL4031	10
500mm Straight Action No Cam (Bottom)	3MDL4035	10
300mm Reverse Action No Cam (Top)	3MDL4033	10
500mm Reverse Action No Cam (Top)	3MDL4037	10
Single Slot Striker	3MDL - - - -	20
Double Slot Striker	3MDL - - - -	20

Striker plates are different to those used with existing Maco locks sold under the 3MDL prefix (e.g. G-TS, W-TS etc).
*Refer to VBH or visit www.vbhgb.com for profile related parts specification



Multi-Point Door Locks - Automatic Maco

Z-TA 3 Latch Door Lock with Automatic Locking

Locks automatically

Can be used manually or with Maco openDoor electronic access control 92PZ

Central latch and deadbolt, plus additional locking points as described below
Top and bottom hooks locate automatically when adjacent latches hit striker plates

Available in Tricoat Plus for increased corrosion resistance

Description	VBH Code	Box Qty
35mm BS 16mm FP/ 2 Hooks	3ZTA0001	5
35mm BS 16/24mm Top Hat FP/ 2 Hooks	3ZTA0005	5
35mm BS 20mm Bull Nose FP/ 2 Hooks	3ZTA0007	5
45mm BS 20mm Bull Nose FP/ 2 Hooks	3ZTA0008	5

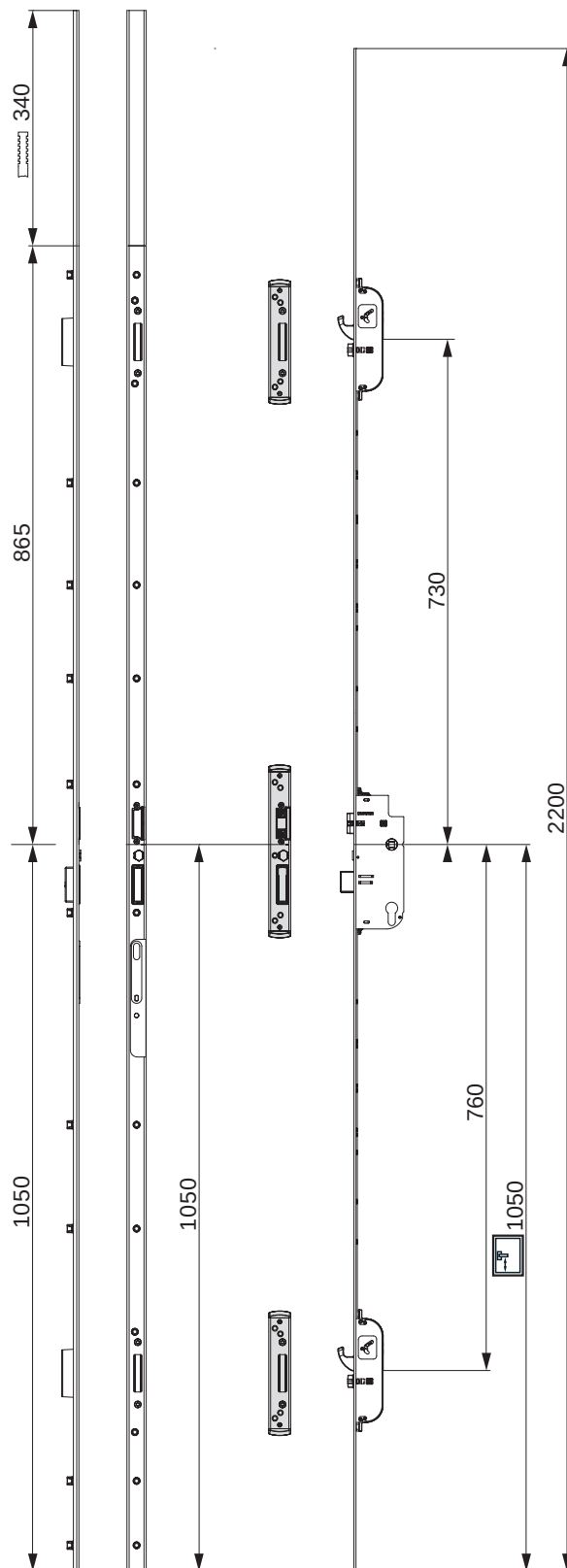
Striker plates are different to those used with Maco locks sold under the 3MDL & 3CTS prefixes (e.g. G-TS, W-TS, C-TS etc). Refer to the Maco Z-TA striker list on www.vbhgb.com for profile related strikers

Example Order

1 x Z-TA Door Lock

1 x Z-TA Latch Plate (profile dependent)

2 x Z-TA MF-HO Strikers (profile dependent)



See page 18-19 for detail of Z-TA linked to electronic access control systems

Multi-Point Door Locks

Yale - Stainless Steel

Mantis 3 Premium - Unsprung Door Lock

Central latch and hook, 2 hook/deadbolt combinations and 2 cams
Lift/Lever and Lever/Pad operation
650mm lock case centres
92/62PZ
Stainless steel faceplate
Use sprung handles

Description	VBH Code	Box Qty
35mm BS Door Lock	3MML0001	5

One-Piece Striker Plate Option

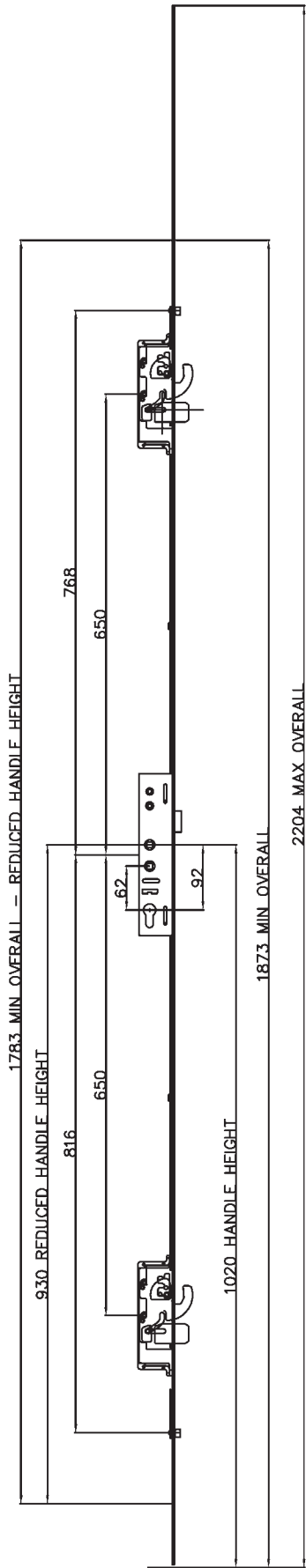
Description	LH	RH	Box Qty
Standard (11)	3MML0021	3MML0022	20
Security (11)	3MML0071	3MML0072	20

Multi-Keep Option

Description	LH	RH	Box Qty
Multi-Keep Set (9)	3MML0091	3MML0092	32

Profile Related Packers*

Description	VBH Code	Box Qty
Profile Related Packer Black	3MML - - - -	100



* Refer to VBH or visit www.vbhgb.com for profile related packer for your door. The quantity required is noted in the figure in brackets by each striker plate.

Multi-Point Door Locks

Yale - Stainless Steel

Mantis 3 Premium - Unsprung Door Locks

Central latch and hook, 2 hook/deadbolt combinations
Lift/Lever and Lever/Pad operation
550mm lock case centres
92/62PZ
Stainless steel faceplate
Use sprung handles

Description	VBH Code	Box Qty
35mm BS Extendable Door Lock	3MML0065	5
Shootbolt Pair (200mm Top & Btm)	3MML0040	25 Pr
Shootbolt Pair (200mm Top & 100mm Btm)	3MML0041	25 Pr
Sec Shootbolt Pr (150mm Top & 100mm Btm)	3MML0015	25 Pr

One-Piece Striker Plate Option

Description	LH	RH	Box Qty
Standard (9)	3MML0025	3MML0026	20
Security (9)	3MML0075	3MML0076	20

Multi-Keep Option

Description	LH	RH	Box Qty
Multi-Keep Set (7)	3MML0093	3MML0094	32

Striker Plates for Vertical Shootbolts

Description	Standard	Security	Box Qty
Adj Single NO Dust Box (2)	3MML0016	N/A	200
Adj Single WITH Dust Box (2)	3MML0029	3MML0031	200
Adj Double NO Dust Box (3)	3MML0017	N/A	100
Adj Double WITH Dust Box (3)	3MML0030	-	100
Adj Double WITH Dust Box (2)	-	3MML0032	25Pr

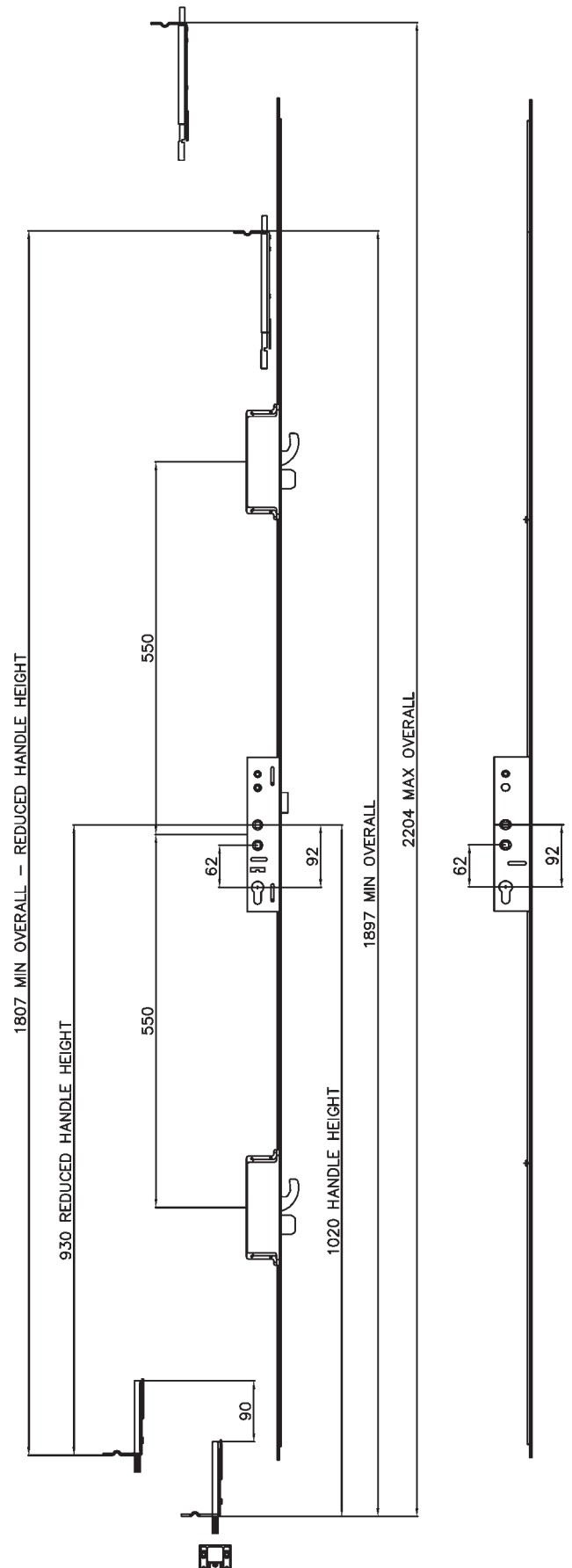
Profile Related Packers*

Description	VBH Code	Box Qty
Profile Related Packer Black	3MML - - -	100

Stainless Steel Double Door Passive Solution

3MML0065 can be used on a single door or as an active door lock on a pair of double doors
The passive door lock below when used with shootbolts provides a twin-lock solution

Description	VBH Code	Box Qty
35mm BS Passive Door Lock 92/62PZ	3MML0067	5



* Refer to VBH or visit www.vbhgb.com for profile related packer for your door. The quantity required is noted in the figure in brackets by each striker plate.

Multi-Point Door Locks

Yale

Mantis 3 - Sprung and Unsprung Door Locks

Central latch, 2 hook/deadbolt combinations, 2 cams and a choice of central deadbolt or hook
Lift/Lever (sprung) & Lever/Pad (unsprung) operation
650mm lock case centres
Triklad steel faceplate

Locks With Central Deadbolt

Description	VBH Code	Box Qty
35mm BS Sprung Door Lock 92PZ	3MML0107	5
45mm BS Unsprung Door Lock 92/62PZ	3MML0008	5

Lock With Central Hook

Description	VBH Code	Box Qty
35mm BS Unsprung Door Lock 92/62PZ	3MML0307	5

One-Piece Striker Plate Option

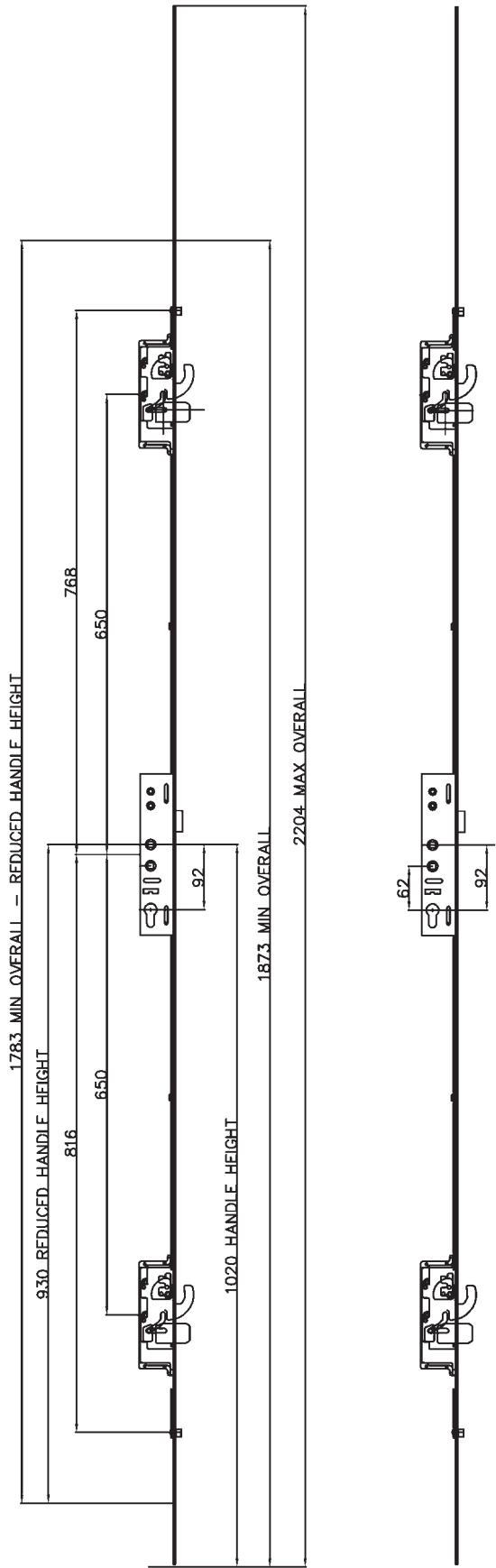
Description	LH	RH	Box Qty
Standard (11)	3MML0021	3MML0022	20
Security (11)	3MML0071	3MML0072	20

Multi-Keep Option

Description	LH	RH	Box Qty
Multi-Keep Set (9)	3MML0091	3MML0092	32

Profile Related Packers*

Description	VBH Code	Box Qty
Profile Related Packer Black	3MML - - - -	100



* Refer to VBH or visit www.vbhgb.com for profile related packer for your door. The quantity required is noted in the figure in brackets by each striker plate.

Multi-Point Door Locks

Yale

Mantis 3 - Sprung and Unsprung Door Locks

Central latch, 2 hook/deadbolt combinations, 2 cams and a choice of central deadbolt or hook

Lift/Lever (sprung) & Lever/Pad (unsprung) operation

550mm lock case centres

Triklad steel faceplate

Lock With Central Deadbolt

Description	VBH Code	Box Qty
35mm BS Ek Sprung Door Lock 92PZ	3MML0103	5

Lock With Central Hook

Description	VBH Code	Box Qty
35mm BS Ek Unsprung Door Lock 92/62PZ	3MML0303	5

One-Piece Striker Plate Option

Description	LH	RH	Box Qty
Standard (11)	3MML0023	3MML0024	20
Security (11)	3MML0073	3MML0074	20

Multi-Keep Option

Description	LH	RH	Box Qty
Multi-Keep Set (9)	3MML0091	3MML0092	32

Vertical Shootbolts

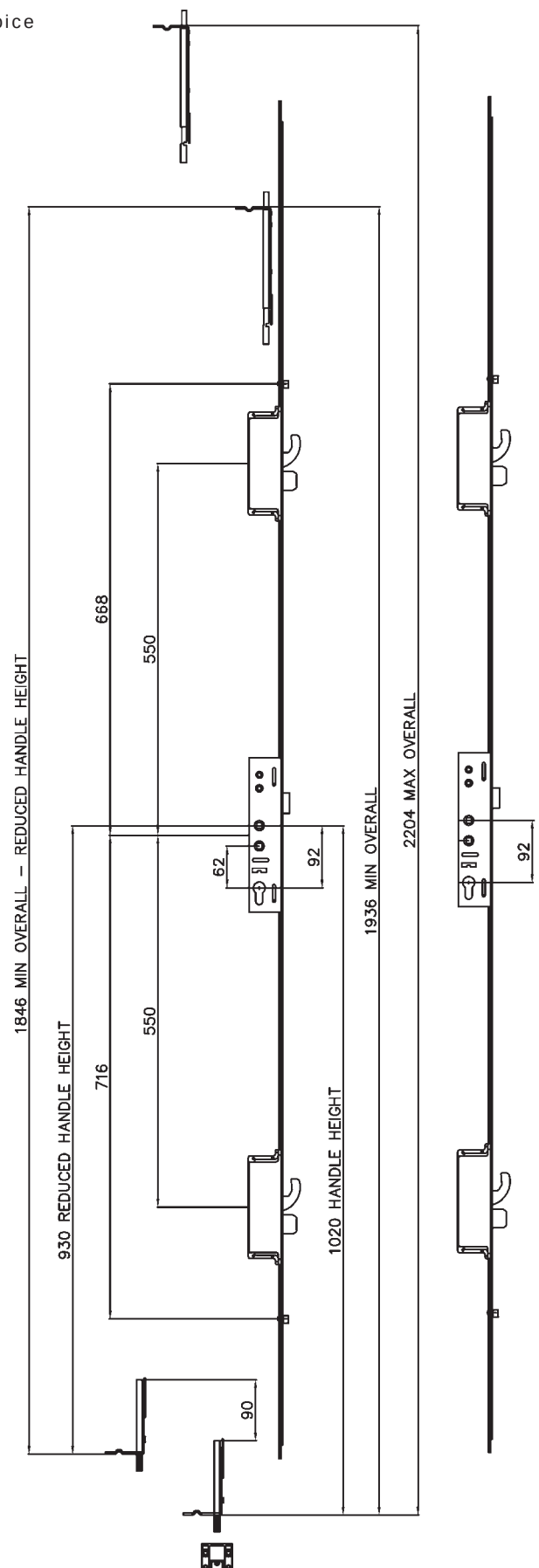
Description	VBH Code	Box Qty
Shootbolt Pair (200mm Top & Btm)	3MML0040	25 Pr
Shootbolt Pair (200mm Top & 100mm Btm)	3MML0041	25 Pr
Sec Shootbolt Pr (150mm Top & 100mm Btm)	3MML0015	25 Pr

Striker Plates for Vertical Shootbolts

Description	Standard	Security	Box Qty
Adj Single NO Dust Box (2)	3MML0016	N/A	200
Adj Single WITH Dust Box (2)	3MML0029	3MML0031	200
Adj Double NO Dust Box (3)	3MML0017	N/A	100
Adj Double WITH Dust Box (3)	3MML0030	-	100
Adj Double WITH Dust Box (2)	-	3MML0032	25Pr

Profile Related Packers*

Description	VBH Code	Box Qty
Profile Related Packer Black	3MML - - -	100



* Refer to VBH or visit www.vbhgb.com for profile related packer for your door. The quantity required is noted in the figure in brackets by each striker plate.

Multi-Point Door Locks

Yale

Mantis 3 - Sprung and Unsprung Door Locks

Central latch, 2 hook/deadbolt combinations, 2 cams and a choice of central deadbolt or hook

Lift/Lever (sprung) & Lever/Pad (unsprung) operation

550mm lock case centres

Triklad steel faceplate

Lock With Central Deadbolt

Description	VBH Code	Box Qty
35mm BS Ek Sprung Door Lock 92PZ	3MML0113	5

Lock With Central Hook

Description	VBH Code	Box Qty
35mm BS Ek Unsprung Door Lock 92/62PZ	3MML0313	5

One-Piece Striker Plate Option

Description	LH	RH	Box Qty
Standard (9)	3MML0025	3MML0026	20
Security (9)	3MML0075	3MML0076	20

Multi-Keep Option

Description	LH	RH	Box Qty
Multi-Keep Set (7)	3MML0093	3MML0094	32

Vertical Shootbolts

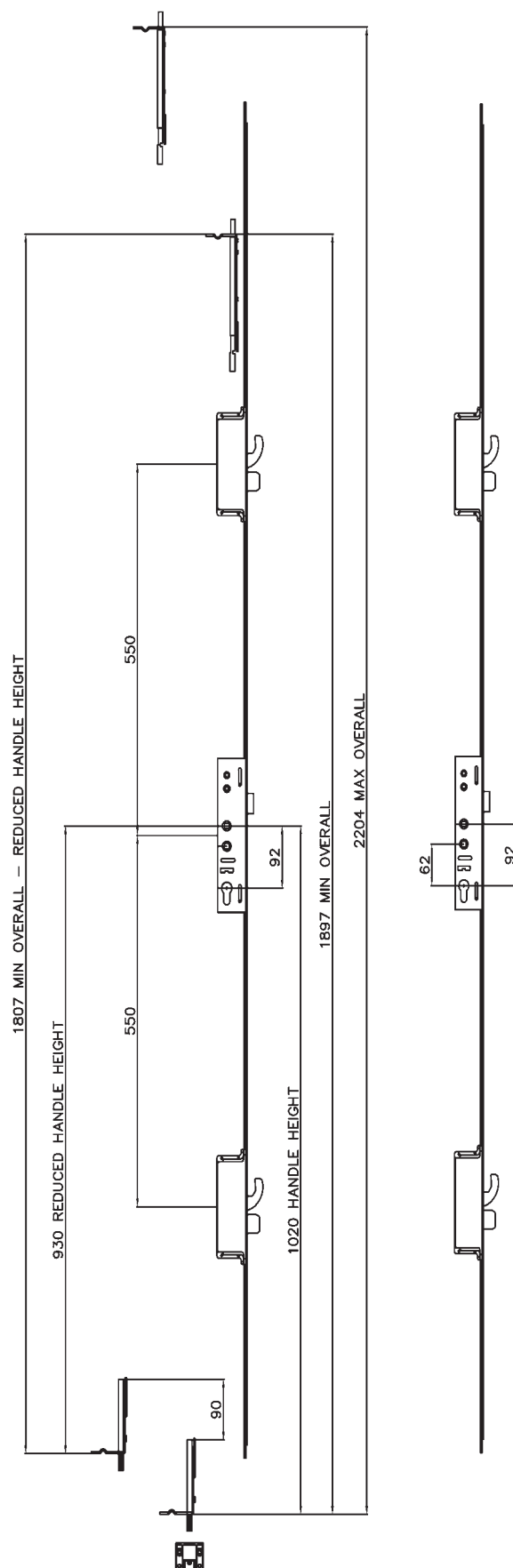
Description	VBH Code	Box Qty
Shootbolt Pair (200mm Top & Btm)	3MML0040	25 Pr
Shootbolt Pair (200mm Top & 100mm Btm)	3MML0041	25 Pr
Sec Shootbolt Pr (150mm Top & 100mm Btm)	3MML0015	25 Pr

Striker Plates for Vertical Shootbolts

Description	Standard	Security	Box Qty
Adj Single NO Dust Box (2)	3MML0016	N/A	200
Adj Single WITH Dust Box (2)	3MML0029	3MML0031	200
Adj Double NO Dust Box (3)	3MML0017	N/A	100
Adj Double WITH Dust Box (3)	3MML0030	-	100
Adj Double WITH Dust Box (2)	-	3MML0032	25Pr

Profile Related Packers*

Description	VBH Code	Box Qty
Profile Related Packer Black	3MML - - - -	100



* Refer to VBH or visit www.vbhgb.com for profile related packer for your door. The quantity required is noted in the figure in brackets by each striker plate.

Multi-Point Door Locks

Yale

Mantis 3 - Sprung and Unsprung Double Door Passive Gear

Lift/Lever (sprung) and Lever/Pad (unsprung) operation

Extendable

Flat 16mm faceplate

Triklad steel faceplate

Use unsprung handles

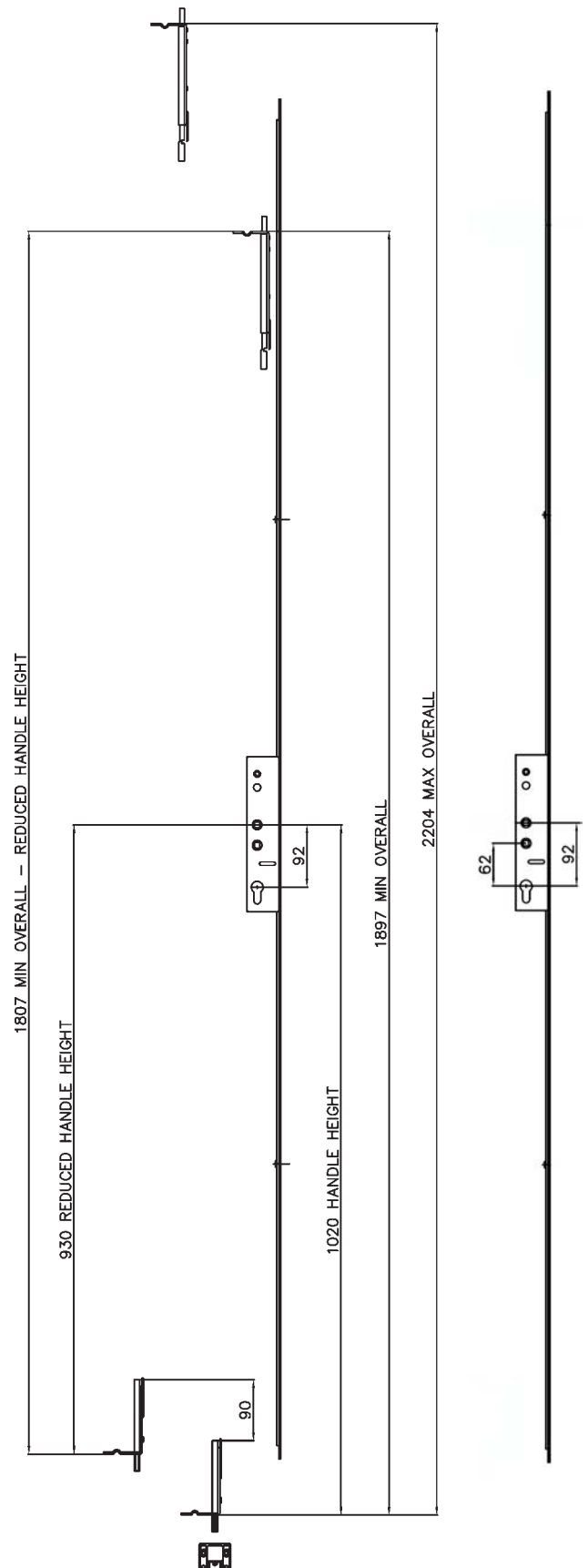
Description	VBH Code	Box Qty
35mm BS Sprung Passive Door Lock 92PZ	3MML0105	10
35mm BS Unsprung Passive Door Lock 92/62PZ	3MML0005	5
Shootbolt Pair (200mm Top & Btm)	3MML0040	25 Pr
Shootbolt Pair (200mm Top & 100mm Btm)	3MML0041	25 Pr
Sec Shootbolt Pr (150mm Top & 100mm Btm)	3MML0015	25 Pr

Striker Plates for Vertical Shootbolts

Description	Standard	Security	Box Qty
Adj Single NO Dust Box (2)	3MML0016	N/A	200
Adj Single WITH Dust Box (2)	3MML0029	3MML0031	200
Adj Double NO Dust Box (3)	3MML0017	N/A	100
Adj Double WITH Dust Box (3)	3MML0030	-	100
Adj Double WITH Dust Box (2)	-	3MML0032	25Pr

Profile Related Packers*

Description	VBH Code	Box Qty
Profile Related Packer Black	3MML - - - -	100



* Refer to VBH or visit www.vbhgb.com for profile related packer for your door. The quantity required is noted in the figure in brackets by each striker plate.

Multi-Point Door Locks

Yale

Mantis 3 - Double Door Solution for Short Doors - Unsprung

Active lock has central latch, 2 hook/deadbolt combinations and 2 cams
Lift/Lever and Lever/Pad operation
Extendable
92/62PZ
SRH 1771-2040mm
Triklad steel faceplate
Use sprung handles

Description	VBH Code	Box Qty
Active Lock-35BS Extendable	3MML0119	5
Passive Lock-35BS Extendable	3MML0120	5
Shootbolt Pair (200mm Top & Bottom)	3MML0040	25 Pr
Shootbolt Pair (200mm Top/100mm Bottom)	3MML0041	25 Pr
Sec Shootbolt Pr (150mm Top/100mm Bottom)	3MML0015	25 Pr

Striker Plates*

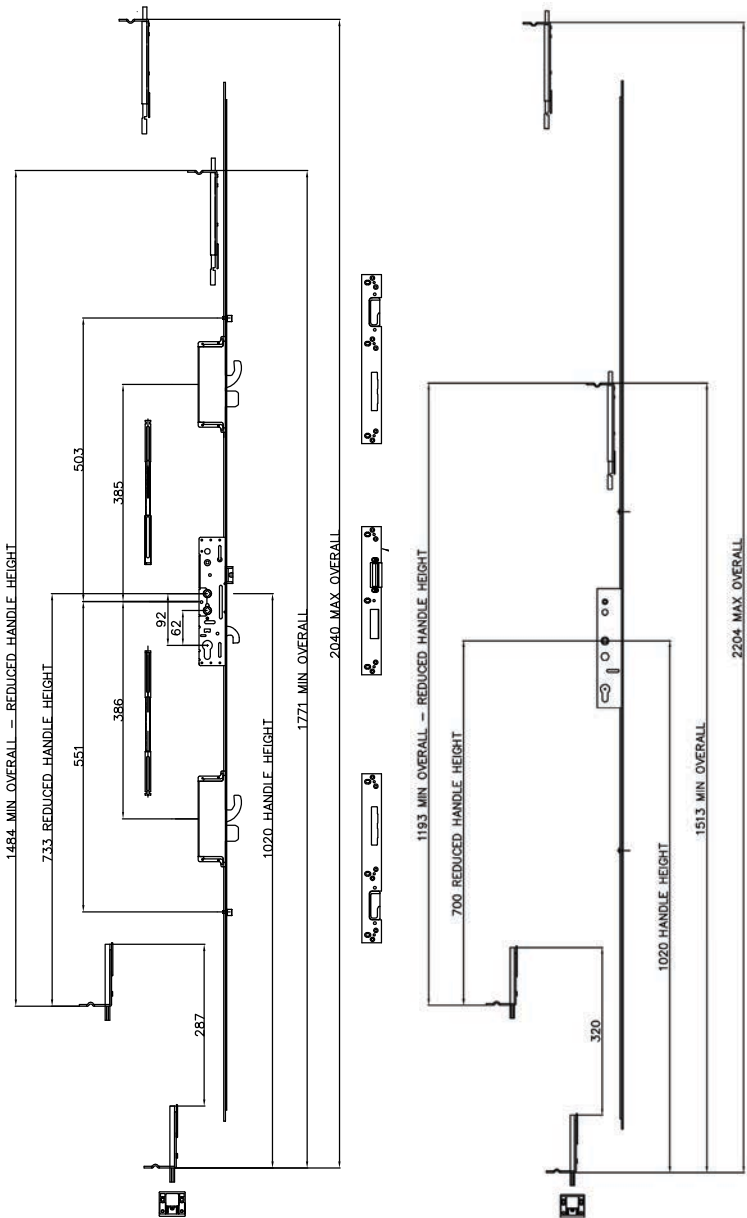
Description	LH	RH	Box Qty
Multi-Keep Set (9)	3MML0091	3MML0092	32

Striker Plates for Vertical Shootbolts

Description	Standard	Security	Box Qty
Adj Single NO Dust Box (2)	3MML0016	N/A	200
Adj Single WITH Dust Box (2)	3MML0029	3MML0031	200
Adj Double NO Dust Box (3)	3MML0017	N/A	100
Adj Double WITH Dust Box (3)	3MML0030	-	100
Adj Double WITH Dust Box (2)	-	3MML0032	25Pr

Profile Related Packers*

Description	VBH Code	Box Qty
Profile Related Packer Black	3MML - - - -	100



* Refer to VBH or visit www.vbhgb.com for profile related packer for your door. The quantity required is noted in the figure in brackets by each striker plate.

Miscellaneous Accessories

Yale

Manual & Driven Finger Bolts



Description	VBH Code	Box Qty
130mm Manual Finger Bolt	3MML0042	75
150mm Driven Top Reverse Action Shootbolt	3MML0027	50
100mm Driven Bottom Shootbolt	3MML0028	25

Joggle Fixing



Secures faceplate into Eurogroove if no screw is in the vicinity

Description	VBH Code	Box Qty
Joggle Fixing	3MML0039	100

Extension Pieces/End Pieces



Description	VBH Code	Box Qty
345mm Extension Triklad	3MML0044	20
345mm Extension Stainless Steel	3MML0046	20
345mm Extension With Roller Cam Triklad	3MML0043	20
119mm End Piece With Roller Cam Triklad	3MML0045	20

Hole Cover



Covers fixing holes in 1-piece striker plate to provide a neat finish to the door frame

Description	VBH Code	Box Qty
Hole Cover	3MML0020	100



Maco Z-TA Door Lock

Z-TA 3 Latch Door Locks with Automatic Locking

Is a key really needed? Maco say 'not with the Protect Z-TA lock range'.

As well as the central deadbolt and 'easy latch', Z-TA features top and bottom MF (Multi-Function) locking points that combine a hook and latch for security and compression. When the door is closed all 3 latches pull the sash in against the frame, providing perfect compression over the full door height. A magnet in the latchplate then triggers the locking mechanism to engage the deadbolt and hooks. A single turn of the cylinder now renders the door fully secure, making Z-TA ideal for the elderly or infirm. If no lever is fixed to the outside, it's not even necessary to turn the key to deadlock the door (although it will be required to get back in!)

Z-TA can also be fitted with an optional electronic motor (shown in blue) that allows it to be used with the MACO openDoor range of 3 access control readers. These enable access via car key or Maco Blue transponder, credit card (chip or swipe), key pad or fingerprint scanner, making the door even easier to use. Maco Blue transponder key ring chip is a general transponder for use with Transponder PLUS where car transponder or chip/swipe cards are not being utilised.

Benefits at a glance:

- Locks automatically when door is closed – no key required to lock door
- No lifting of handles or multiple key turns – ideal for the elderly or infirm
- Optimum compression along complete door height
- Steel striker plates for strength
- Accepts 2 and 3 screw fix sprung or unsprung handles & architectural rose furniture
- Blocking feature on lever provides additional security when locked
- Available in 16mm, 20mm Bull Nose & 24mm Top Hat face plates
- Compression achieved via latches. Passive hook bolts provide security
- Cylinders tested to 200,000 operations
- Works with standard cylinders (no double clutch required)
- Silver-look surface treatment tested to 480 hours neutral salt spray test
- Available in TRICOAT PLUS for increased corrosion resistance
- 'Easy latch' reduces noise and force required to latch the door



Multi-Point Door Locks - Automatic Maco

Z-TA 3 Latch Door Lock with Automatic Locking linked to Electronic Access Control

Locks automatically

Can be used manually or with Maco openDoor electronic access control 92PZ

Central latch and deadbolt, plus additional locking points as described below

Top and bottom hooks locate automatically when adjacent latches hit striker plates

Available in Tricoat Plus for increased corrosion resistance

Description	VBH Code	Box Qty
35mm BS 16mm FP/ 2 Hooks	3ZTA0001	5
35mm BS 16/24mm Top Hat FP/ 2 Hooks	3ZTA0005	5
35mm BS 20mm Bull Nose FP/ 2 Hooks	3ZTA0007	5
45mm BS 20mm Bull Nose FP/ 2 Hooks	3ZTA0008	5

Striker plates are different to those used with Maco locks sold under the 3MDL & 3CTS prefixes (e.g. G-TS, W-TS, C-TS etc). Refer to the Maco Z-TA striker list on www.vbhgb.com for profile related strikers

openDoor Access Control Systems

There are 4 access control options to choose from:

Transponder PLUS – access using car key transponder, chip or swipe card or Maco Blue key ring chip

Touch – access using fingerprint scanner

Code – access using 4-6 digit numerical code on key pad

Description	VBH Code	Box Qty
openDoor Transponder PLUS	3ZTA0302	1
openDoor Touch	3ZTA0303	1
openDoor Code	3ZTA0304	1

Ancillaries

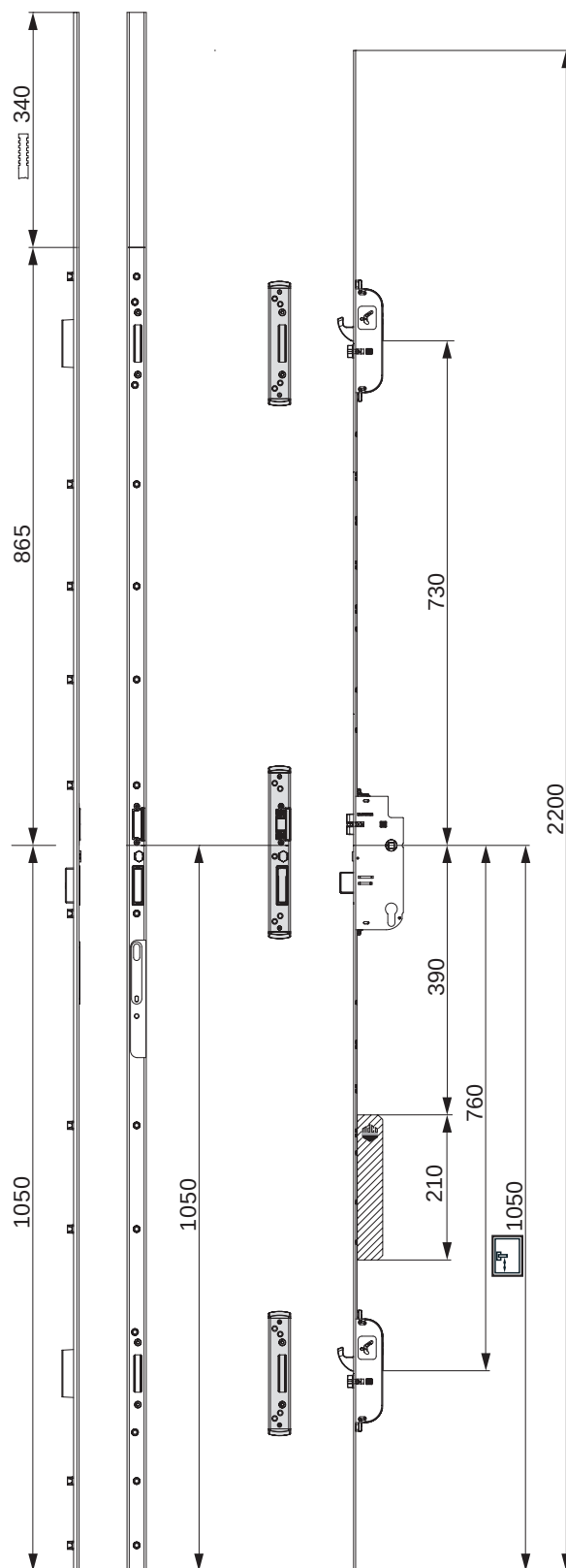
Description	VBH Code	Box Qty
Z-TA Comfort Motor	3ZTA0301	1
Blue Transponder Key with Chip	3ZTA0330	1
Cable With Connection Plug 8.5m (2.5 + 6m)	3ZTA0306	1
Cable With Connection Plug 12.5m (2.5 + 10m)	3ZTA0307	1
Power Supply Connection 150mm	3ZTA0309	1
Cable Transfer Tray (4mm Air Gap and Composites)	3ZTA0310	1
Cable Connection (16/TH Face Plate)	3ZTA0311	1
Cable Connection (20 Face Plate)	3ZTA0312	1

Example Order

- 1 x Z-TA Door Lock
- 1 x Z-TA Latch Plate (profile dependent)
- 2 x Z-TA MF-HO Strikers (profile dependent)
- 1 x 3ZTA0301 Comfort Motor
- 1 x openDoor Access Control System

(If Z-TA is being used with access control unit other than MACO openDoor 1 x 3ZTA0309 is required)

- 1 x Cable (dependent on length required)
- 1 x 3ZTA0310 Cable Tray (4mm gap timber and composites only)
- 1 x Cable Connection Plate (dependent on lock face plate width)
- 1 x 12V 1.5 – 2 Amp Power Supply (third party supply)



Electronic Locking Upgrades

Yale

Keyfree - Multi-point Electronic Access System

Yale Keyfree allows a door to be locked and unlocked electronically, either by remote control using a sender in a key fob (similar to that used with cars) or by typing in a 4-12 digit PIN code of the user's choice on the attractive inbuilt keypad. The keypad illuminates when touched to aid use at night.

Keyfree is a stand-alone product that needs no hard wiring. It works with standard batteries that will last approximately 12 months based on an average daily use of 15 operations. Keyfree alerts the user when the batteries are approaching the end of their life.

Additional key fobs can be ordered as required and these can be easily synchronised to the door using the user guide supplied.

The product is simple to install and is simple to order as it comes in just 5 main components; lock (Doormaster lock option supplied complete with keeps), polished chrome or gold Keyfree unit, Keyfree cylinder*, spindle* and fixing pack*.

Key Features:

- Enables operation of entrance door without a key, using key fob or family PIN code via keypad
- Grants access to carers/visitors with visitor PIN code
- Alarmed for child safety/intruder detection
- Visual and aural status indicators
- Quick exit in case of emergency by operating internal handle
- Battery powered, with low life warning
- Electric and mechanical back up options



- Secured By Design approved product
- Additional Key fobs available to order (2 supplied with Keyfree)
- Fake PIN code function
- Keypad illumination for night time use
- Attractive polished chrome or gold unit enhances appearance of door

Keyfree cannot be fitted to standard locks. Therefore please order a suitable Mantis 3 or Doormaster lock from the selection below.

Description	VBH Code	Box Qty
Keyfree Unit Polished Gold	3MML1501	1
Keyfree Unit Polished Chrome	3MML1502	1

Doormaster**	VBH No	Box Qty	Mantis 3 (92/62PZ)***	VBH Code	Box Qty
Lock - 16FP/35BS 2 Rollers/2 Mushrooms	3YDL1001	1	Lock - 16FP/35BS 3 Hook/2 DB 2 Cam/550mm	3MML1003	1
Lock - 16FP/45BS 2 Rollers/2 Mushrooms	3YDL1002	1	Lock - 16FP/35BS 3 Hook/2 DB 2 Cam/650mm	3MML1007	1
Lock - 16FP/35BS 3 Hooks/2 Rollers	3YDL1004	1	Lock - 16FP/35BS 3 Hook/2 DB 650mm	3MML1009	1
Lock - 16FP/45BS 3 Hooks/2 Rollers	3YDL1005	1	Lock - 16FP/35BS 3 Hooks/3 DB 550mm	3MML1013	1
Lock - 16FP/35BS 3 Hooks	3YDL1008	1	Lock - 20FP/45BS 3 Hook/2 DB 720mm	3MML1062	1
Lock - 16FP/45BS 3 Hooks	3YDL1009	1			
Lock - 20FP/45BS 3 Hooks	3YDL1006	1			

Description	KF 40	KF 55	KF 55-A	KF 55-B	KF 55-C	KF 60-A	KF 60-B	KF 60-C	Box Qty
Cylinder Unit Polished Gold*	3MML1531	3MML1561	3MML1563	3MML1565	3MML1567	3MML1573	3MML1575	3MML1577	1
Cylinder Unit Polished Chrome*	3MML1532	3MML1562	3MML1564	3MML1566	3MML1568	3MML1574	3MML1576	3MML1578	1

Description	SPA1S	SPB1S	KF 60-A	KF 60-B	KF 60-C	Box Qty
Spindle Pack*	3MML1511	3MML1512	3MML1513	3MML1514	3MML1515	1

Description	FPAS	FPBS	FPCS	FPDS	Box Qty
Fixing Pack*	3MML1521	3MML1522	3MML1523	3MML1524	1

*Refer to VBH or www.vbhgb.com for profile related parts specification

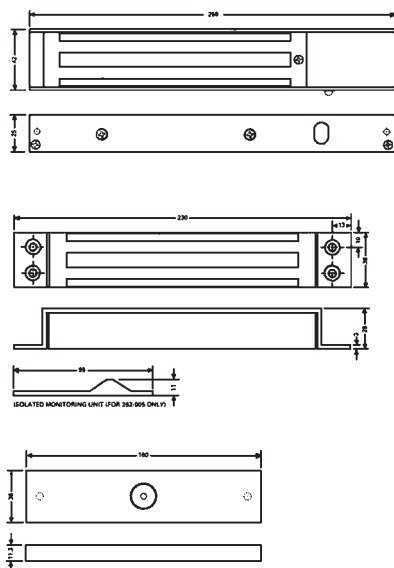
**Supplied complete with universal striker plates to fit ALL profiles

***Refer to Yale Mantis 3 lock section for relevant striker plates



Access Control Electrical & Mechanical

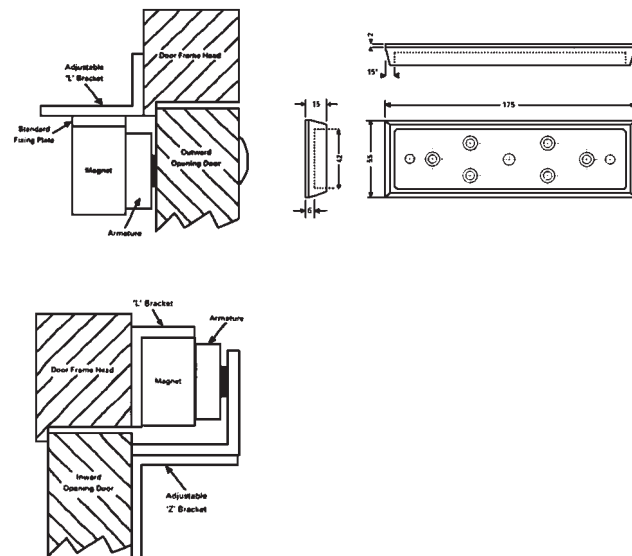
Adams Rite 261 & 262 Direct Pull Magnets



Electrical

Description	VBH Code	Box Qty
261-000 Surface Mounted Single	3ARC0170	1
261-200 Surface Mounted Double	3ARC0171	1
262-005 Mortice Mounted Single	3ARC0172	1

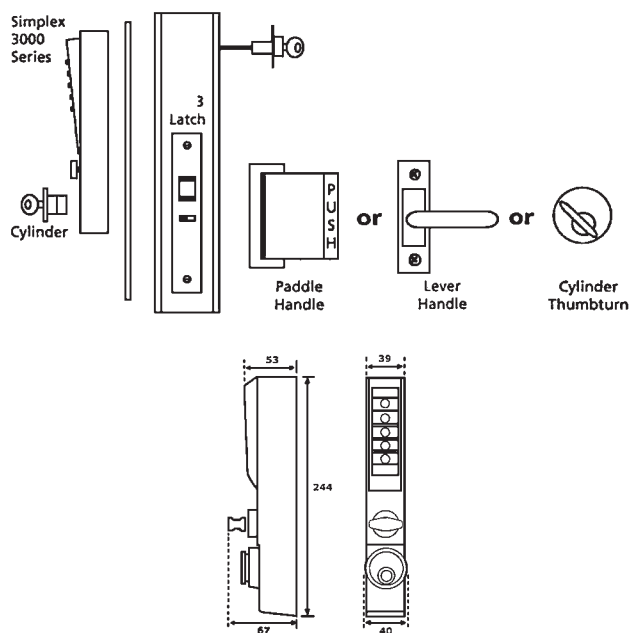
Adams Rite Accessories



Electrical

Description	VBH Code	Box Qty
Adjustable 'L' Bracket	3ARC0174	1
'L' & 'Z' Bracket Kit	3ARC0175	1
Rim Armature Housing	3ARC0176	1

Assa Abloy Simplex 3000 Series



Mechanical

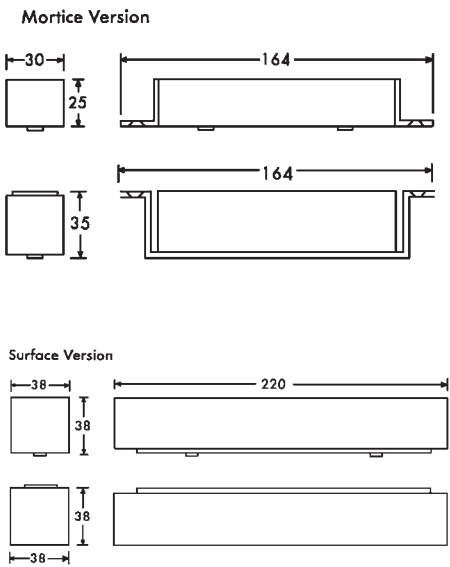
Description	VBH Code	Box Qty
LH Drive Assembly	3ABL0001	1
RH Drive Assembly	3ABL0002	1
Combination Lock Housing	3ABL0003	1

Refer to VBH Architectural Aluminium Division for suitable mortice locks, cylinders and handles.

Electronic Access Control

Adams Rite

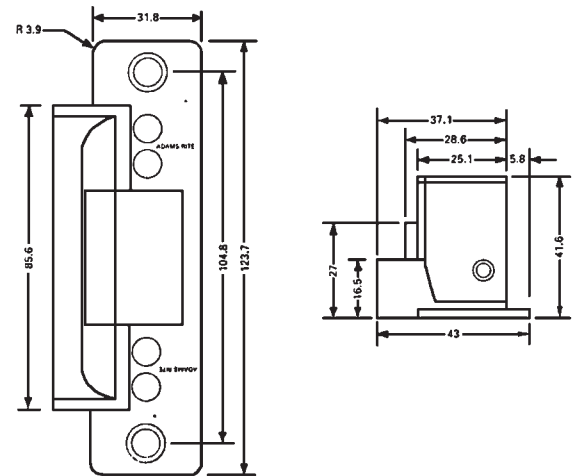
1354 Mini Electro Shear Magnet



Up to 1500kg

Description	VBH Code	Box Qty
Mortice Mounted	3ARC0177	1
Surface Mounted	3ARC0178	1

Electric Strikes

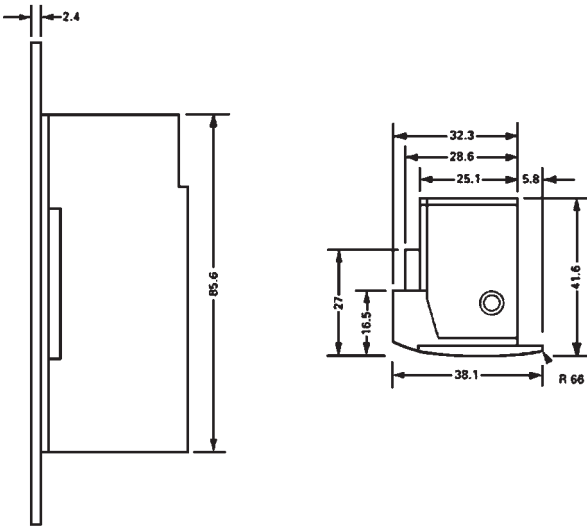


Single door

Description	VBH Code	Box Qty
7100 Series 12V DC Fail Secure SAA	3ARC0151	1
7100 Series 12V DC Fail Safe SAA	3ARC0152	1

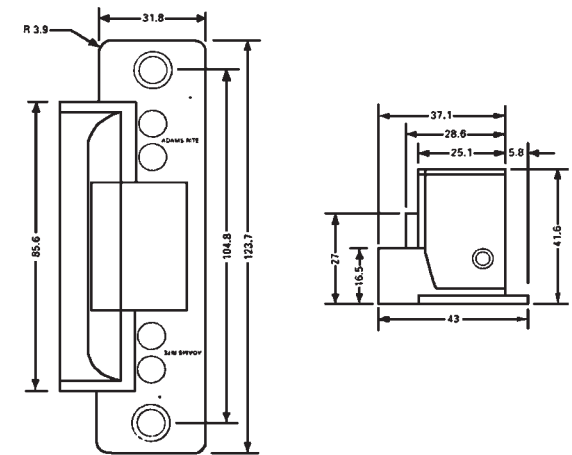
Electric Strikes

Electric Strikes



Double door

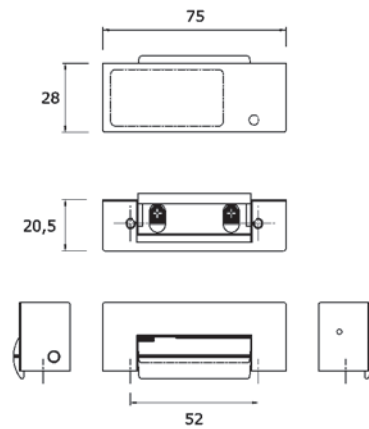
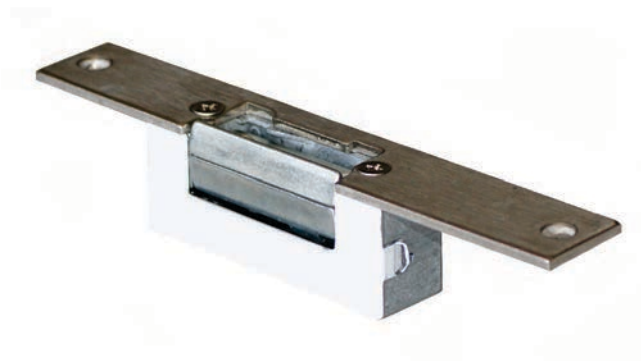
Description	VBH Code	Box Qty
7101 Series 12V DC Fail Secure SAA	3ARC0153	1
7101 Series 12V DC Fail Safe SAA	3ARC0154	1



Double door

Description	VBH Code	Box Qty
7160 Series 12V DC Fail Secure	3ARC0155	1
7160 Series 12V DC Fail Safe	3ARC0156	1

Electric Latch Releases

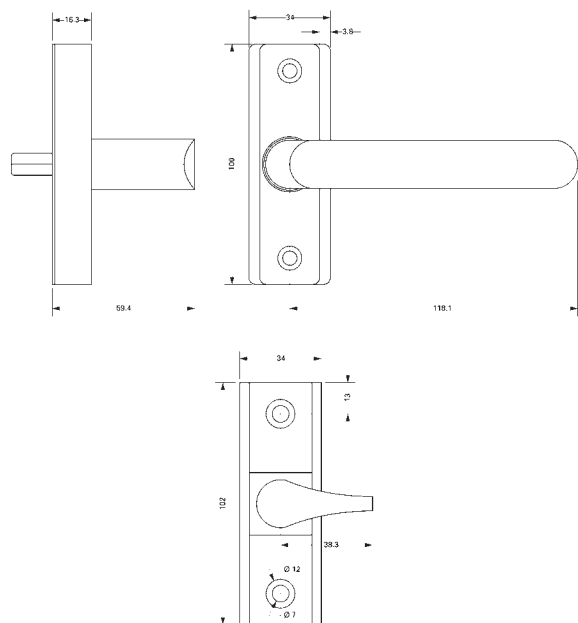


Supplied fixed to flat stainless steel latch plate. If preferred, the latch can be fitted to the U-Rail striker plates listed below which work with profile related under packers

Description	VBH Code	Box Qty
Fail Safe Adjustable Electric Latch Release 12V DC	2WAC0130	1
Fail Secure Adjustable Electric Latch Release 12V AC/DC	2WAC0131	1
LH Latch/Deadbolt Plate	3GUL1121	1
RH Latch/Deadbolt Plate	3GUL1122	1
Profile Related Under Packer* (2 Req)	3GUL - - -	100

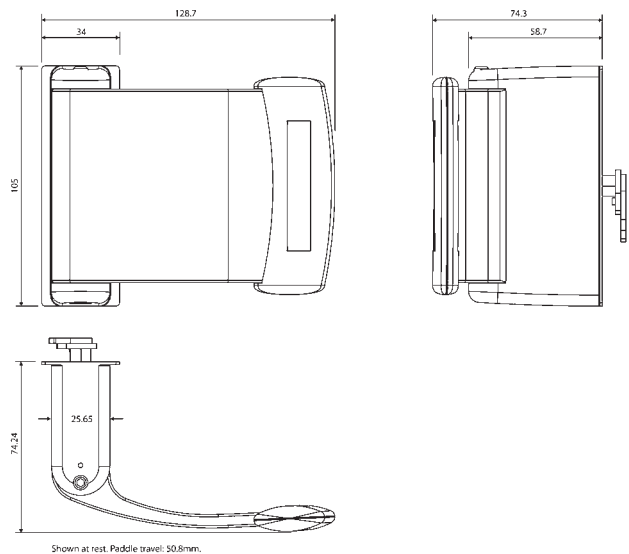
*Refer to VBH or www.vbhgb.com for profile related parts specification

Lever and Paddle Handles



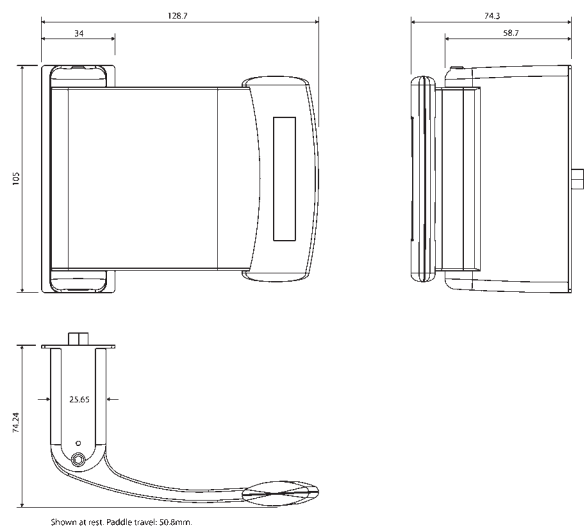
Description	VBH Code	Box Qty
4568 Lever Handle for use with 4700 Paddle Handle	3ARC0031	1
4565 Thumb Turn for use with 4700 Paddle Handle	3ARC0004	1

Euro Paddle Handle



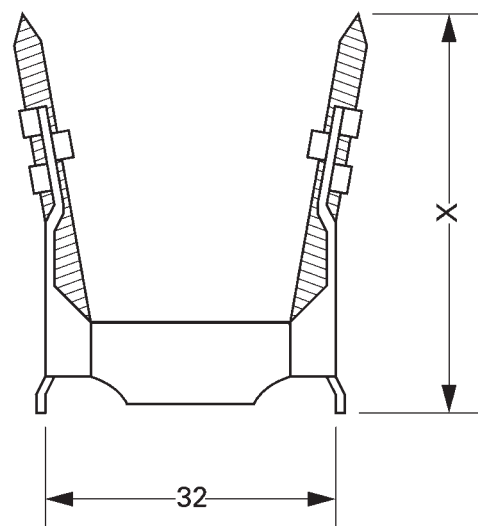
Description	VBH Code	Box Qty
Push to Left Paddle 44mm Door	3ARC0038	1
Push to Right Paddle 44mm Door	3ARC0039	1

4700 Series Paddle Handle



Description	VBH Code	Box Qty
Push to Left Paddle	3ARC0046	1
Push to Right Paddle	3ARC0047	1

Mounting Kit



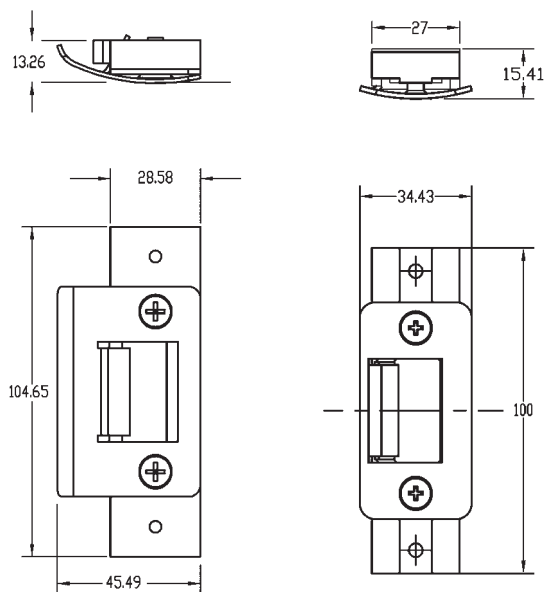
DIMENSION 'X':
MINIMUM = 40mm
MAXIMUM = 50mm

Description	VBH Code	Box Qty
4436 Mounting Plate	3ARC0130	1
4104-01 Radius Mounting Clips	3ARC0089	1 Pr
4104-12 Flat Mounting Clips	3ARC0090	1 Pr

Accessories

Adams Rite

Latch Strikes

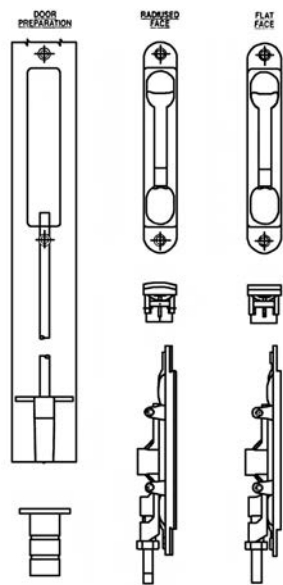


Description	VBH Code	Box Qty
Radius Ramp ⌀ w Latch Strike Stainless Steel	3ARC0022	1
Flat Extended Ramp ⌀ w Latch Strike Stainless Steel	3ARC0023	1

Flush Bolts

Axim

Flush Bolts

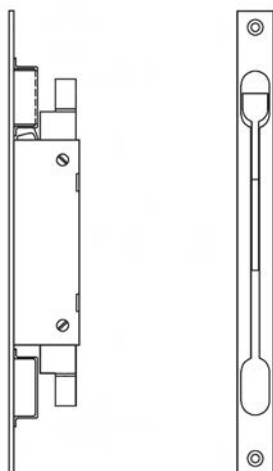


Description	VBH Code	Box Qty
12" Flat Face - Mill Finish	4PAR0065	10
12" Flat Face - SAA Finish	4PAR0066	10
12" Radiused Face - Mill Finish	4PAR0067	10
12" Radiused Face - SAA Finish	4PAR0068	10

Shootbolts & Accessories

esco

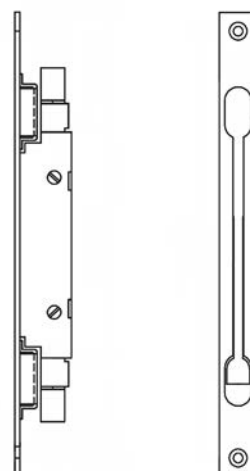
Mortice Shootbolt Lock



Has 10mm inner thread to accept extension rods
20mm bolt throw
35mm backset

Description	VBH Code	Box Qty
Mortice Shootbolt Galvanised	2ESC0038	1

Mortice Shootbolt Lock



Has 10mm inner thread to accept extension rods
14mm bolt throw
20mm backset

Description	VBH Code	Box Qty
Mortice Shootbolt Stainless Steel Lock	2ESC0083	1

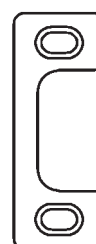
2-Part Shootbolt Rod



Comprises 1 x 750mm & 1 x 1500mm rods
Threaded on one end
10mm diameter

Description	VBH Code	Box Qty
2-Part Shootbolt Rod Set	2ESC0040	1 Pr

Top Keeper



Description	VBH Code	Box Qty
Top Keeper - Black Galvanised Zamak	2ESC0085	1

Gamma

6 pin Anti-Drill/Anti-Pick

Over 100,000 differs

EN1303 Classification 16000C62

Open Profile - replacement keys available from high street

Supplied with 3 keys (except keyed alike pairs)



Gamma Key/Key Double Cylinder

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

Supplied 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

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

Key Blank

Description	VBH Code	Box Qty
Key Blank	2QCY0051	100

Gamma Thumb Turn Double Cylinder

K denotes thumb turn (knob) side

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



Profile Cylinders

Yale

Superior - 1 Star

12 pin Anti-Snap, Anti-Bump, Anti-Drill, Anti-Pick 1-star profile cylinder

Anti-Drill pins and balls as standard

Anti-Snap on both sides so cylinder is not handed

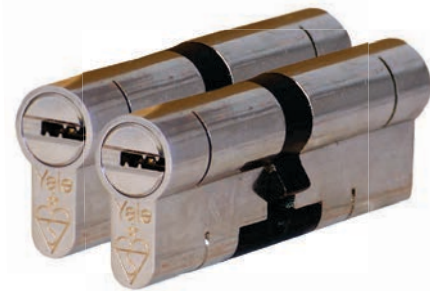
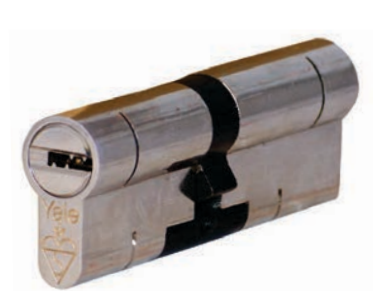
V-pins to resist bumping

Four Anti-Picks

TS007:2011 1-star Kitemark approved (KM559658)

EN1303 classification 16000C62

Supplied with 3 keys, except keyed alike pairs



Key/Key Double Cylinder

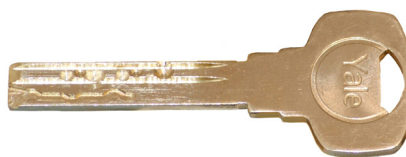
Supplied with 3 keys

Size	Nickel	Brass	Box Qty
30/30	2YCY0001	2YCY0002	20
30/40	2YCY0005	2YCY0006	20
30/45	2YCY0007	2YCY0008	20
30/50	2YCY0009	2YCY0010	20
35/35	2YCY0015	2YCY0016	20
35/45	2YCY0019	2YCY0020	20
35/50	2YCY0021	2YCY0022	20
35/55	2YCY0023	2YCY0024	20
40/40	2YCY0027	2YCY0028	20
40/45	2YCY0029	2YCY0030	20
40/50	2YCY0031	2YCY0032	20
40/55	2YCY0033	2YCY0034	20
40/60	2YCY0035	2YCY0036	20
45/45	2YCY0037	2YCY0038	20
45/50	2YCY0039	2YCY0040	20
45/55	2YCY0041	2YCY0042	20
50/50	2YCY0045	2YCY0046	20

Key/Key Double Cylinder Keyed Alike

Supplied with 6 keys

Size	Nickel	Brass	Box Qty
40/40	2YCY0527	2YCY0528	10 Pr
40/50	2YCY0531	2YCY0532	10 Pr
45/45	2YCY0537	2YCY0538	10 Pr
45/50	2YCY0539	2YCY0540	10 Pr
45/55	2YCY0541	2YCY0542	10 Pr
50/50	2YCY0545	2YCY0546	10 Pr



Key Blank

Description	VBH Code	Box Qty
Key Blank	2YCY0051	1

Thumb Turn Double Cylinder

K denotes inside thumb turn (Knob) side
Supplied with 3 keys

Size	Nickel	Brass	Box Qty
K30/30	2YCY1001	2YCY1002	20
K35/35	2YCY1015	2YCY1016	20
K35/45	2YCY1019	2YCY1020	20
K35/55	2YCY1023	2YCY1024	20
K40/40	2YCY1027	2YCY1028	20
K40/50	2YCY1031	2YCY1032	20
K40/55	2YCY1033	2YCY1034	20
K45/45	2YCY1037	2YCY1038	20
K50/50	2YCY1045	2YCY1046	20
K45/35	2YCY1119	2YCY1120	20
K55/35	2YCY1123	2YCY1124	20
K50/40	2YCY1131	2YCY1132	20
K55/40	2YCY1133	2YCY1134	20

AS Platinum - 3 Star

TS007:2012 3-star Kitemark approved (KM53290)
Secured by Design approved
EN1303 classification 16010C52
Anti-Snap, Anti-Bump, Anti-Drill, Anti-Pick, Anti-Extract profile cylinder
Sacrificial front section is designed to come away when attacked, leaving intruder with little residual cylinder body to grip
Easy retro installation

Hardened Grip-Deflectors make gripping the remaining cylinder body more difficult
Hardened reinforced bar is designed to flex, rather than snap, to defeat the vast majority of burglars
Interlocking cam with strengthening bar provides additional protection to top section of cylinder
Easy retro installation
10 year Yale guarantee



Key/Key Double Cylinder

Supplied with 3 keys
First half of size denotes external half (with sacrificial break)

Size	Nickel	Brass	Box Qty
30/30	2YCY7001	2YCY7002	20
30/35	2YCY7003	2YCY7004	20
30/40	2YCY7005	2YCY7006	20
30/45	2YCY7007	2YCY7008	20
30/50	2YCY7009	2YCY7010	20
35/30	2YCY7103	2YCY7104	20
35/35	2YCY7015	2YCY7016	20
35/40	2YCY7017	2YCY7018	20
35/45	2YCY7019	2YCY7020	20
35/50	2YCY7021	2YCY7022	20
35/55	2YCY7023	2YCY7024	20
40/30	2YCY7105	2YCY7106	20
40/40	2YCY7027	2YCY7028	20
40/45	2YCY7029	2YCY7030	20
40/50	2YCY7031	2YCY7032	20
40/55	2YCY7033	2YCY7034	20
40/60	2YCY7035	2YCY7036	20
45/30	2YCY7107	2YCY7108	20
45/35	2YCY7119	2YCY7120	20
45/40	2YCY7129	2YCY7130	20
45/45	2YCY7037	2YCY7038	20
45/50	2YCY7039	2YCY7040	20
45/55	2YCY7041	2YCY7042	20
45/60	2YCY7043	2YCY7044	20
50/30	2YCY7109	2YCY7110	20
50/35	2YCY7121	2YCY7122	20
50/40	2YCY7131	2YCY7132	20
50/45	2YCY7139	2YCY7140	20
50/50	2YCY7045	2YCY7046	20
50/55	2YCY7047	2YCY7048	20
55/35	2YCY7123	2YCY7124	20
55/40	2YCY7133	2YCY7134	20
55/45	2YCY7141	2YCY7142	20
60/40	2YCY7135	2YCY7136	20
60/45	2YCY7143	2YCY7144	20

Key/Key Double Cylinders Keyed Alike in Pairs

Supplied with 6 keys per pair
First half of size denotes external half (with sacrificial break)

Size	Nickel	Brass	Box Qty
30/30	2YCY7501	2YCY7502	10 Pr
30/35	2YCY7503	2YCY7504	10 Pr
30/40	2YCY7505	2YCY7506	10 Pr
30/45	2YCY7507	2YCY7508	10 Pr
30/50	2YCY7509	2YCY7510	10 Pr
35/30	2YCY7603	2YCY7604	10 Pr
35/35	2YCY7515	2YCY7516	10 Pr
35/40	2YCY7517	2YCY7518	10 Pr
35/45	2YCY7519	2YCY7520	10 Pr
35/50	2YCY7521	2YCY7522	10 Pr
40/40	2YCY7527	2YCY7528	10 Pr
40/45	2YCY7529	2YCY7530	10 Pr
40/50	2YCY7531	2YCY7532	10 Pr
45/40	2YCY7629		10 Pr
45/45	2YCY7537	2YCY7538	10 Pr
45/50	2YCY7539	2YCY7540	10 Pr
45/55	2YCY7541	2YCY7542	10 Pr
50/40	2YCY7631	2YCY7632	10 Pr
50/45	2YCY7639	2YCY7640	10 Pr
50/50	2YCY7545	2YCY7546	10 Pr
55/45	2YCY7641	2YCY7642	10 Pr

Key/Key Double Cylinders Keyed Alike in Batches of 20

Supplied with 3 keys per cylinder
First half of size denotes external half (with sacrificial break)

Size	Nickel	Brass	Box Qty
30/30	2YCY7551	2YCY7552	20
35/30	2YCY7653	2YCY7654	20
35/35	2YCY7565	2YCY7566	20
40/40	2YCY7577	2YCY7578	20
40/45	2YCY7579	2YCY7580	20
40/50	2YCY7581	2YCY7582	20
45/40	2YCY7679	2YCY7680	20
45/45	2YCY7587	2YCY7588	20
45/50	2YCY7589	2YCY7590	20
45/55	2YCY7591	2YCY7592	20
50/40	2YCY7681	2YCY7682	20
50/45	2YCY7689	2YCY7690	20
50/50	2YCY7595	2YCY7596	20

Key Blank

Description	VBH Code	Box Qty
AS Platinum Key Blank	2YCY7051	100





Profile Cylinders

Keyed Alike & Master Suite Service

In addition to supplying individually pinned profile cylinders and factory-produced keyed alike pairs, we also have industry-trained operatives who can produce our own keyed alike suites and master suites in-house.

The advantage of pinning in-house is that you have total flexibility in what comprises your suite. Subject to stock availability you can mix colours and sizes, with as many cylinders and keys in the suite as you wish.

Currently we can offer the following services:

Keyed Alike Suites

Kaba Gege AP1000 5 Pin Anti-Pick
 Kaba Gege AP1000+ 5 Pin Anti-Drill/Anti-Pick
 Kaba Gege AP1000+ 6 Pin Anti-Drill/Anti-Pick
 greenteQ Gamma 6 Pin Anti-Drill/Anti-Pick
 Yale Superior Anti-Snap/Anti-Bump/Anti-Drill/Anti-Pick

Master Suites

Kaba Gege AP1000 5 Pin Anti-Pick
 Kaba Gege AP1000+ 5 Pin Anti-Drill/Anti-Pick
 Kaba Gege AP1000+ 6 Pin Anti-Drill/Anti-Pick

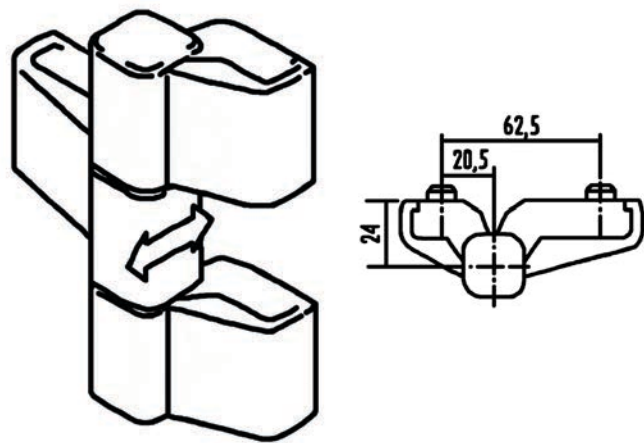
Key Cutting

Kaba Gege AP1000 5 Pin Anti-Pick
 Kaba Gege AP1000+ 5 Pin Anti-Drill/Anti-Pick
 Kaba Gege AP1000+ 6 Pin Anti-Drill/Anti-Pick
 greenteQ Gamma 6 Pin Anti-Drill/Anti-Pick
 Yale Superior Anti-Snap/Anti-Bump/Anti-Drill/Anti-Pick

Please contact your normal VBH sales office for a quote

Door Hinges - Face Fix Haps

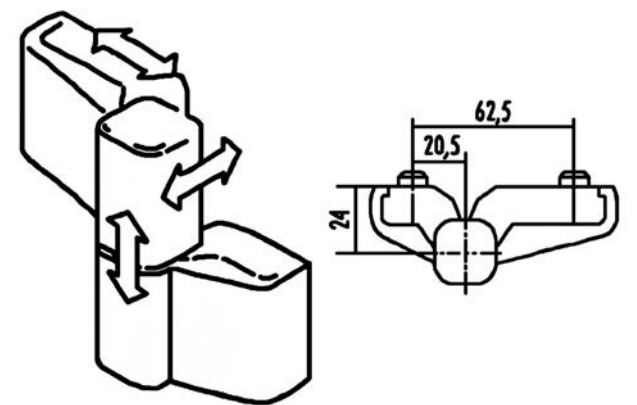
3 Part Hinge 36 Series



Gasket pressure adjustment

Finish	VBH Code	Box Qty
Door Hinge Silver	2HSV0539	1

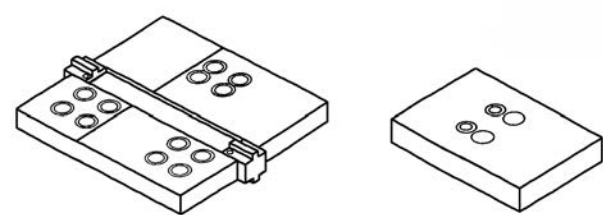
2 Part Hinge 36 Series



3D adjustment

Finish	VBH Code	Box Qty
Mill Finish	2HSV0602	1
White	2HSV0601	1
Silver	2HSV0600	1

Jigs



Finish	VBH Code	Box Qty
Hinge Jig	2HSV0293	1
Supplementary Jig for 3D Hinge	2HSV0610	1

Door Hinges - Face Fix Haps

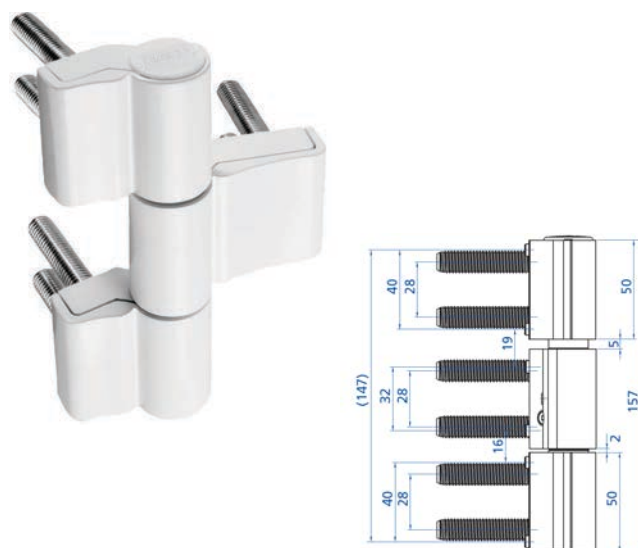
A300 2 Part Hinge (was 37 Series)



CE Marked - Grade 13 (120Kg)
 Extruded aluminium construction
 Corrosion resistant steel pins
 Fully 3D adjustable with one tool (+/- 3mm lateral +/-1mm height, +/- 1.25mm compression)
 SKG 2* approved

Size	Mill Finish	White	Silver	Box Qty
21/42mm	2HSV2007	2HSV2006	2HSV2005	50
42/42mm	2HSV2010	2HSV2009	2HSV2008	50
42/57mm	2HSV2013	2HSV2012	2HSV2011	50

A300 3 Part Hinge (was 37 Series)



CE Marked - Grade 14 (160Kg)
 Extruded aluminium construction
 Corrosion resistant steel pins
 Fully 3D adjustable with one tool (+/- 3mm lateral +/-1mm height, +/- 1.25mm compression)
 SKG 3* and 2* approved

Size	Mill Finish	White	Silver	Box Qty
21/42mm	2HSV2017	2HSV2016	2HSV2015	50
42/42mm	2HSV2020	2HSV2019	2HSV2018	50
42/57mm	2HSV2023	2HSV2022	2HSV2021	50

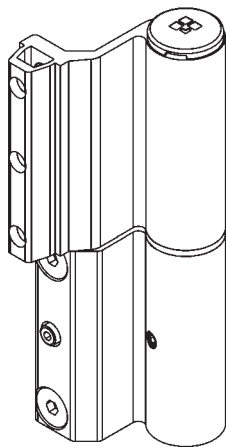
Accessories

Description	VBH No	Box Qty
ST11x1.6x60mm Fixing Screw	2HSV2050	100
ST11x1.6x60mm Fixing Screw Steel	2HSV2051	100
ST11x1.6x76mm Fixing Screw	2HSV2052	100
ST11x1.6x76mm Fixing Screw Steel	2HSV2053	100
Ø g for 63mm Hinge	2HSV2055	1
Ø g for 84mm Hinge	2HSV2056	1
Ø g for 99mm Hinge	2HSV2057	1

Door Hinges

Giesse

Flash XL



Suitable for doors with eurogroove sash and max. sash weight of 90Kg

Height and lateral (+/- 1mm) adjustment

Available in silver, black, white and mill finish (RAL colours available to special order)

Discreet security grub screw allows fitting to outward opening doors

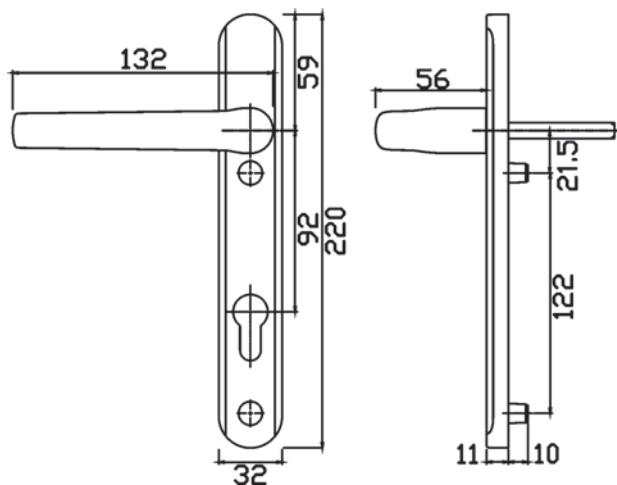
Extruded aluminium construction with stainless steel hinge pin, screws and grub screws

Description	VBH Code	Box Qty
Silver Hinge	2GDH0001	25
Black Hinge	2GDH0002	25
White Hinge	2GDH0003	25
Mill Finish Hinge	2GDH0004	25
Special Key for Lateral Adjustment	2GDH0005	1



Door Handles greenteQ

Alpha Lever/Lever - Short Backplate



92PZ

Unsprung to fit standard 92PZ lift/lever locks

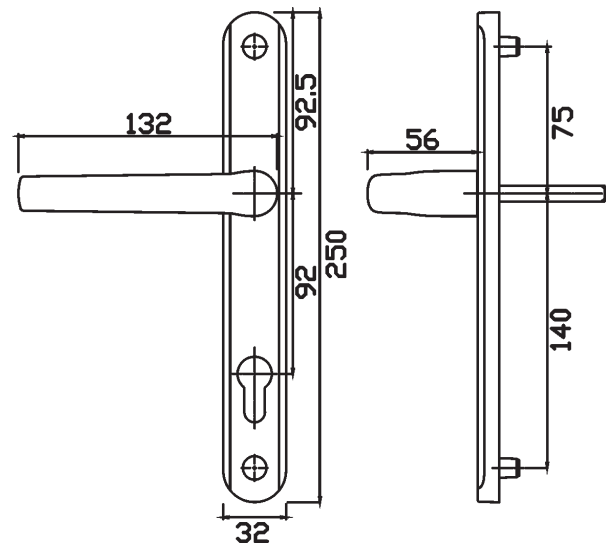
Up to 72mm door thickness

Flange around cylinder hole for gap elimination & security

M6 screws for added strength

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0001	12
Black (RAL9005)	2QHB0004	12
Anthracite Grey (RAL7016)	2QHB0010	12
Silver Grey (RAL7040)	2QHB0009	12
PVD Gold	2QHB0005	12
Polished Chrome	2QHB0006	12
Satin Chrome	2QHB0007	12
Painted Silver		12

Alpha Lever/Lever - Long Backplate



92PZ

Sprung to fit Lockmaster, Yale YS170 and Mantis 3

Up to 72mm door thickness

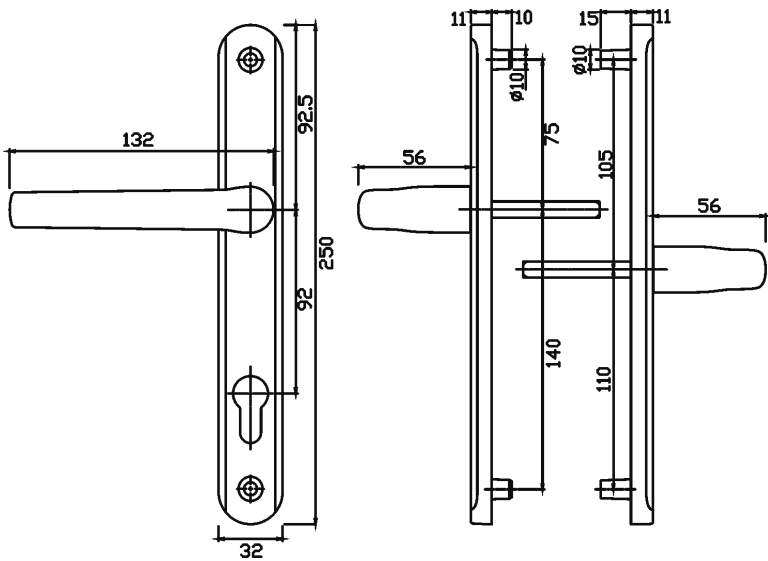
Flange around cylinder hole for gap elimination & security

M6 screws for added strength

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0121	12
Black (RAL9005)	2QHB0124	12
Anthracite Grey (RAL7016)	2QHB0130	12
Silver Grey (RAL7040)	2QHB0129	12
PVD Gold	2QHB0125	12
Polished Chrome	2QHB0126	12
Satin Chrome	2QHB0127	12
Painted Silver		12

Door Handles greenteQ

Alpha Lever/Offset Lever -
Long Backplate



92/62PZ

2 screw fix

Sprung to suit double spindle Paddock, Yale YS170 and Mantis 3

Up to 72mm door thickness

Flange around cylinder cut-out for gap elimination & security

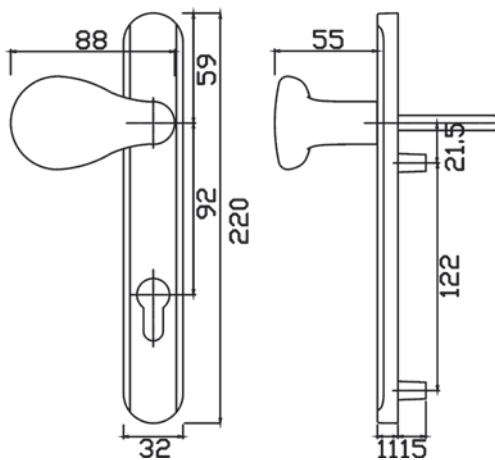
M6 screws for added strength

Non-handed

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0171	12
Black (RAL9005)	2QHB0174	12
PVD Gold	2QHB0175	12
Polished Chrome	2QHB0176	12
Satin Chrome	2QHB0177	12
Smokey Chrome	2QHB0178	12

Door Handles greenteQ

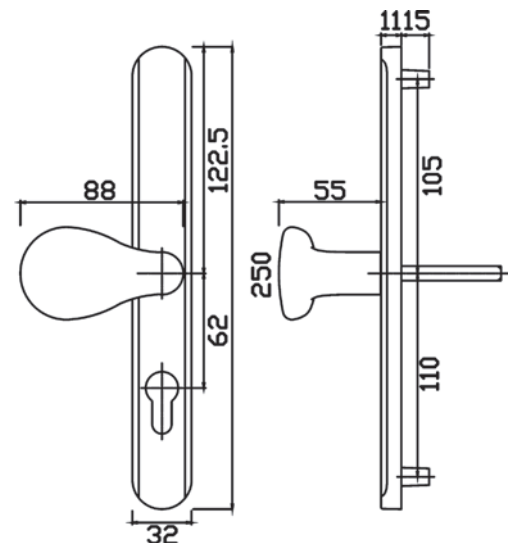
Alpha Lever/Turn Pad - Short Backplate



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

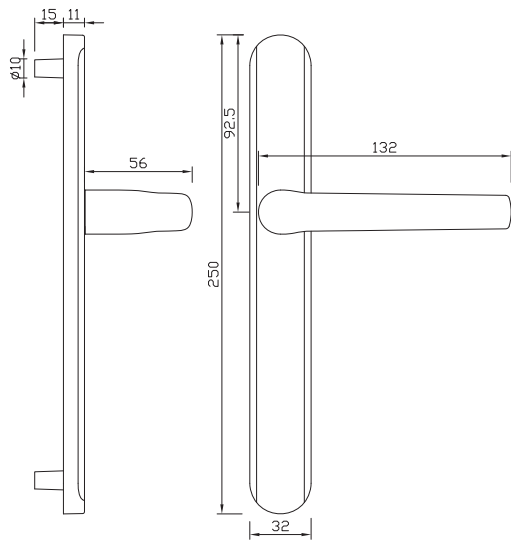
Alpha Lever/Offset Turn Pad - Long Backplate



92/62PZ
2 screw fix
Sprung to suit double spindle 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)	2QHB0161	12
Black (RAL9005)	2QHB0164	12
PVD Gold	2QHB0165	12
Polished Chrome	2QHB0166	12
Satin Chrome	2QHB0167	12
Smokey Chrome	2QHB0168	12

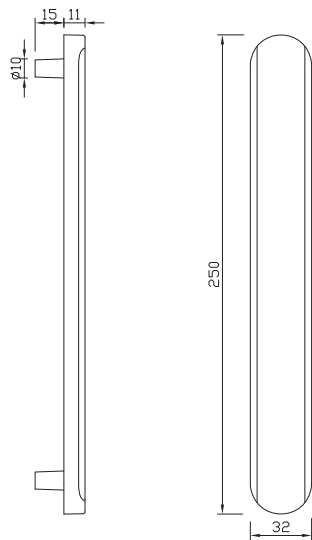
Alpha External Handle
Without Cylinder Hole - Long Backplate



2 screw fix single external backplate with lever
No cylinder hole
Works with standard long backplate lever/lever where no external cylinder is required

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0131	2
Black (RAL9005)	2QHB0134	2
Anthracite Grey (RAL7016)	2QHB0140	2
PVD Gold	2QHB0135	2
Polished Chrome	2QHB0136	2
Satin Chrome	2QHB0137	2

Alpha Blank External Backplate -
Long



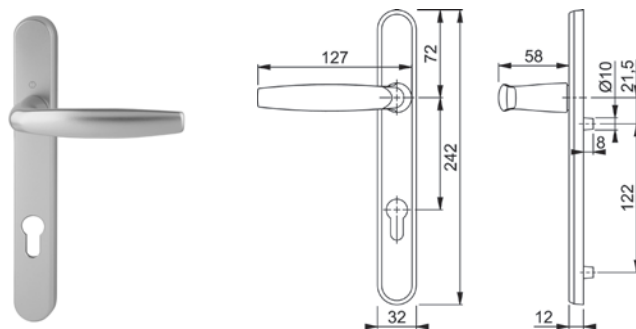
2 screw fix single backplate
Completely blank external backplate (no cylinder hole or lever)
Works with standard long backplate lever/lever where no external handle or cylinder is required

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0111	6
Black (RAL9005)	2QHB0114	6
Anthracite Grey (RAL7016)	2QHB0120	6
PVD Gold	2QHB0115	6
Polished Chrome	2QHB0116	6
Satin Chrome	2QHB0117	6

Door Handles

Hoppe

Atlanta Standard Lever/Lever - Short Screw Pitch



92PZ

2 screw fix

Monobloc construction - levers fixed to backplates

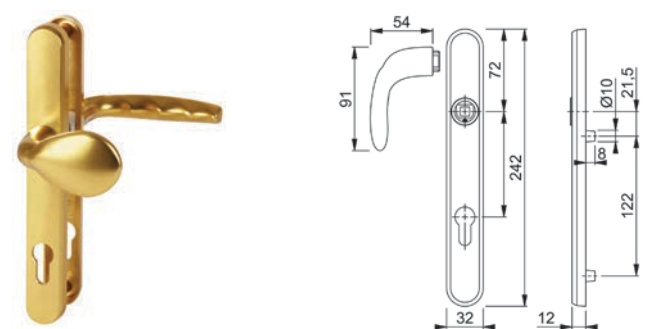
Up to 70mm door thickness

Duraplus coating provides 10 year surface guarantee on all finishes

10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6401	15
Gold Anodised (F3)	2HOP6402	15
White (RAL9016)	2HOP6403	15
Black (RAL9714)	2HOP6404	15
Polished Chrome	2HOP6405	10
Polished Brass	2HOP6406	10

Atlanta Standard Lever/Turn Pad - Short Screw Pitch



92PZ

2 screw fix

Monobloc construction - levers fixed to backplates

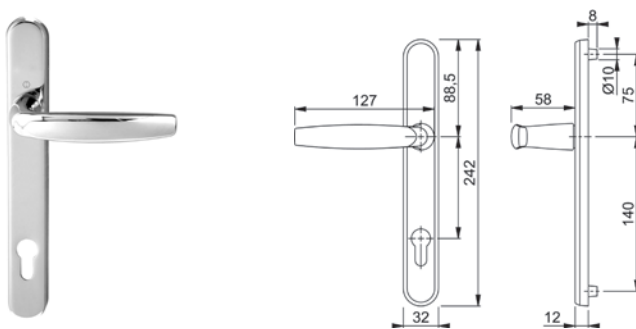
Up to 70mm door thickness

Duraplus coating provides 10 year surface guarantee on all finishes

10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6421	15
Gold Anodised (F3)	2HOP6422	15
White (RAL9016)	2HOP6423	15
Black (RAL9714)	2HOP6424	15
Polished Chrome	2HOP6425	10
Polished Brass	2HOP6426	10

Atlanta Standard Lever/Lever - Long Screw Pitch



92PZ

2 screw fix - pitched to suit Lockmaster, Yale YS170 and Mantis 3 locks

Monobloc construction - levers fixed to backplates

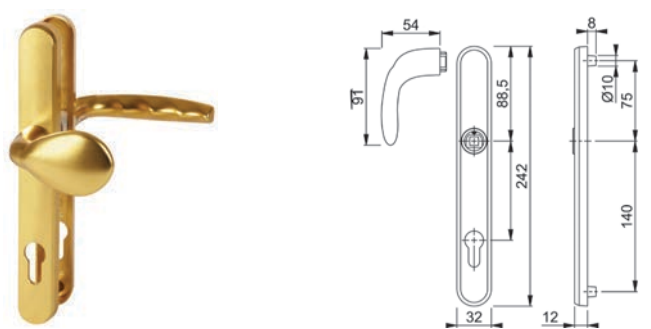
Up to 70mm door thickness

Duraplus coating provides 10 year surface guarantee on all finishes

10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6441	15
Gold Anodised (F3)	2HOP6442	15
White (RAL9016)	2HOP6443	15
Black (RAL9714)	2HOP6444	15
Polished Chrome	2HOP6445	10
Polished Brass	2HOP6446	10

Atlanta Standard Lever/Turn Pad - Long Screw Pitch



92PZ

2 screw fix - pitched to suit Lockmaster, Yale YS170 and Mantis 3 locks

Monobloc construction - levers fixed to backplates

Up to 70mm door thickness

Duraplus coating provides 10 year surface guarantee on all finishes

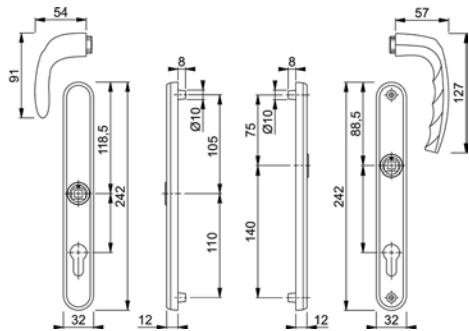
10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6461	15
Gold Anodised (F3)	2HOP6462	15
White (RAL9016)	2HOP6463	15
Black (RAL9714)	2HOP6464	15
Polished Chrome	2HOP6465	10
Polished Brass	2HOP6466	10

Door Handles

Hoppe

Atlanta Lever/Offset Turn Pad - Long Screw Pitch



92/62PZ
2 screw fix
Monobloc construction - levers fixed to backplates
Up to 70mm door thickness
Duraplus coating provides 10 year surface guarantee on all finishes
10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6481	20
Gold Anodised (F3)	2HOP6482	20
White (RAL9016)	2HOP6483	20
Black (RAL9714)	2HOP6484	20
Polished Chrome	2HOP6485	20

Atlanta Lever/Offset Lever - Long Screw Pitch



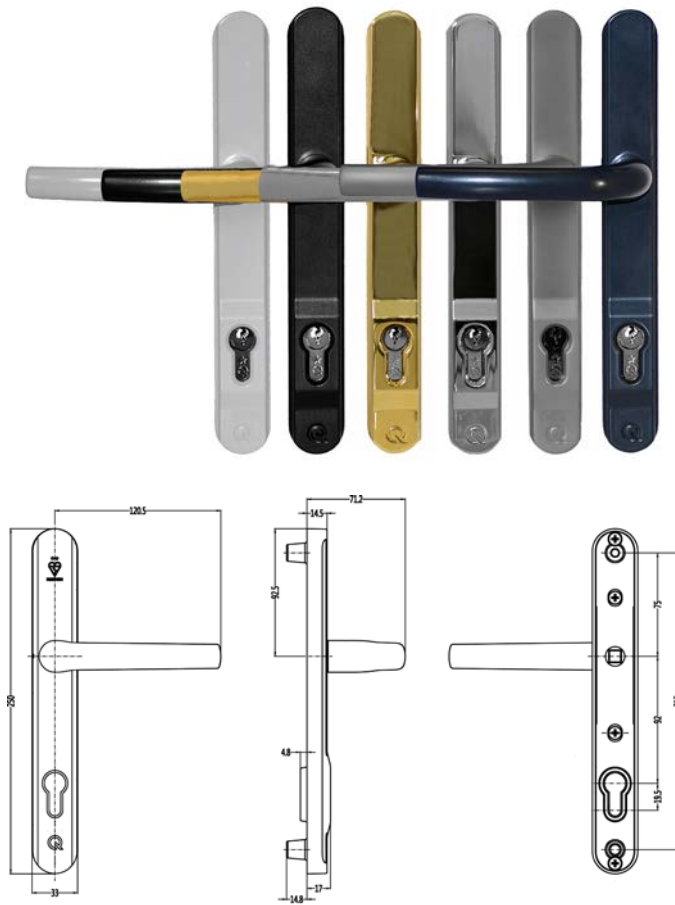
No line drawing currently available

92/62PZ
2 screw fix
Sprung to suit double spindle Yale Mantis 3 & YS170 and Lockmaster
Monobloc construction - levers fixed to backplates
Up to 70mm door thickness
Duraplus coating provides 10 year surface guarantee on all finishes
10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6601	20
Gold Anodised (F3)	2HOP6602	20
White (RAL9016)	2HOP6603	20
Black (RAL9714)	2HOP6604	20
Polished Chrome	2HOP6605	20

Door Handles - Security

greenteQ - Alpha TS007 2-Star Security Door Handle



TS007:2014 2 Star Kitemark approved (KM591531)
 EN1906:2012 classification 16-0030A
 Provides full TS007 3 star protection when used with a 1 star cylinder (e.g. greenteQ Q-Star)
 Protects profile cylinder from snapping and extracting
 2 bolt fixing (steel bolts for added strength)
 Identical fixing centres to standard Alpha long backplate handles so upgrading is easy
 No need to fit additional cylinder protection
 Fits standard 92PZ lift/lever locks
 Up to 72mm door thickness
 Non-handed
 Sprung internal lever

Finish	VBH Code	Box Qty
White (RAL9016)	2QHB0521	1
Black (RAL9005)	2QHB0524	1
PVD Gold	2QHB0525	1
Polished Chrome	2QHB0526	1
Satin Chrome	2QHB0527	1
Anthracite Grey (RAL7016)	2QHB0530	1

Yale - Platinum Series Maximum Security Door Handle

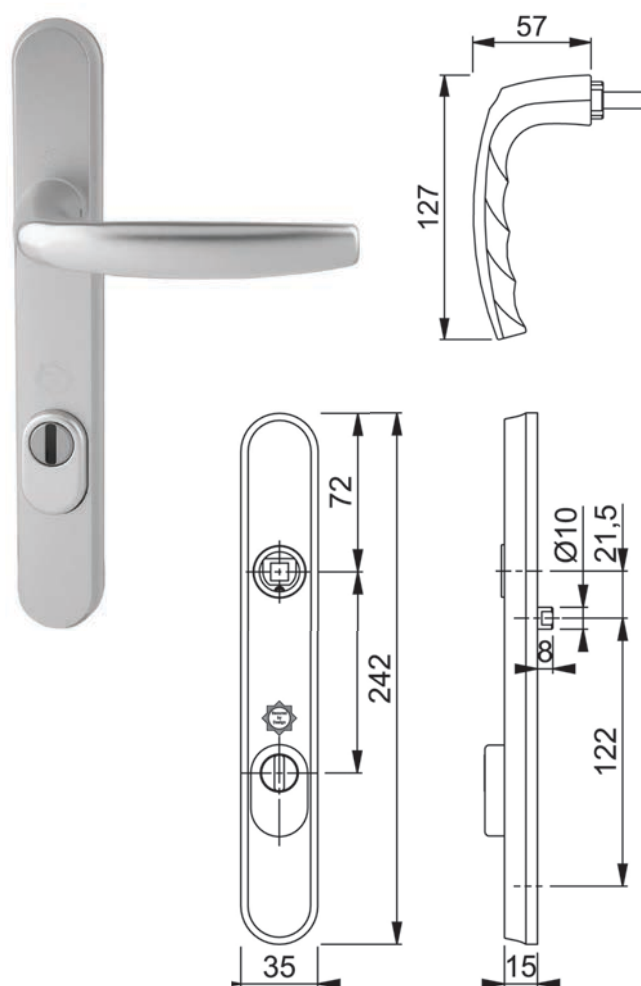


TS007 2 Star rated handle (KM532920)
 92PZ & 92/62PZ to suit most multi-point door locks including Lockmaster & Yale Mantis 3 & YS170
 Anti-grip chamfered edges to protect against mole grip attack
 2 screw fix
 Supplied with 2 lengths of spindles/screws for fixing to aluminium, PVCu, timber and composite doors
 Stainless steel hybrid design for marine grade corrosion resistance
 Accredited to BS EN 1906:2010 grade 4 (200,000 cycles/480 hours neutral salt spray exposure)
 M6 stainless steel fixings for improved strength & security
 Identical fixing centres to standard long backplate furniture
 No need to fit additional cylinder protection
 Clearly marked as Kitemark 2 star security handle to deter would-be burglars
 92/62PZ
 Offset versions feature snib

Finish	92PZ	92/62PZ	Box Qty
PVD Gold	2YDF0005	2YDF0015	10
PVD Polished Chrome	2YDF0006	2YDF0016	10

Door Handles - Security Hoppe

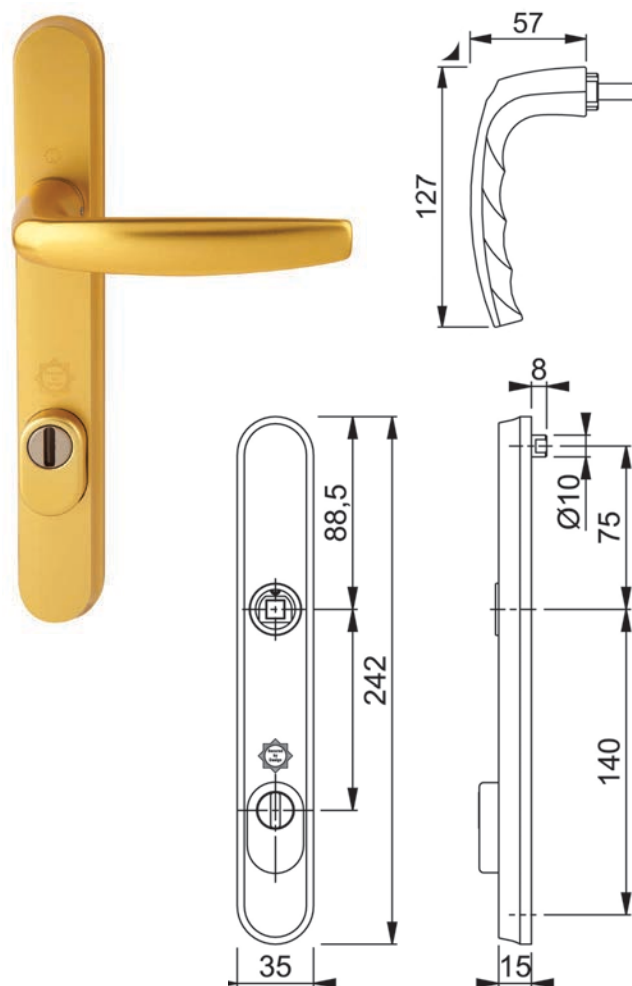
Atlanta PAS24:2007+A2:2011 Security Lever/Lever - Short Screw Pitch



92PZ
2 screw fix
Monobloc construction / quick-fit inner
Up to 70mm door thickness
Duraplast coating provides 10 year surface guarantee on all finishes
Solid extruded aluminium external backplate for supreme strength (levers, pads and inner backplate are all cast aluminium)
Meets requirements of PAS24:2007+A2:2011
Clearly marked as Secured by Design approved to deter would-be burglars
Identical fixing centres to standard furniture
No need to fit additional cylinder protection
10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6501	10
Gold Anodised (F3)	2HOP6502	10
White (RAL9016)	2HOP6503	10
Black (RAL9714)	2HOP6504	10
Polished Chrome	2HOP6505	10
Polished Brass	2HOP6506	10

Atlanta PAS24:2007+A2:2011 Security Lever/Lever - Long Screw Pitch

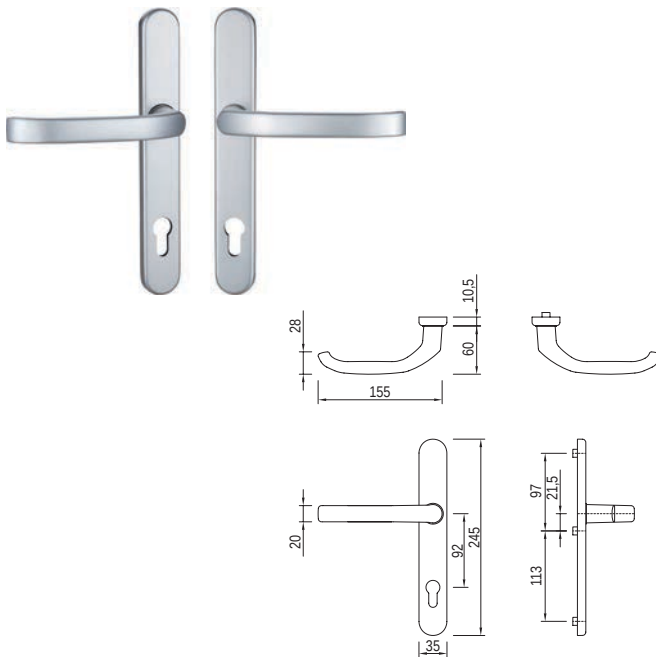


92PZ
2 screw fix
Monobloc construction / quick-fit inner
Up to 70mm door thickness
Duraplast coating provides 10 year surface guarantee on all finishes
Solid extruded aluminium external backplate for supreme strength (levers, pads and inner backplate are all cast aluminium)
Meets requirements of PAS24:2007+A2:2011
Clearly marked as Secured by Design approved to deter would-be burglars
Identical fixing centres to standard furniture
No need to fit additional cylinder protection
10 year mechanical & operational guarantee

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP6541	10
Gold Anodised (F3)	2HOP6542	10
White (RAL9016)	2HOP6543	10
Black (RAL9714)	2HOP6544	10
Polished Chrome	2HOP6545	10
Polished Brass	2HOP6546	10

Door Handles greenteQ

DG 58.AL.SS PZ 92 Lever Handle



Aluminium construction
Sprung levers
35 x 245mm faceplate
3 screw fix
Spindle and screw set to be ordered separately
92PZ

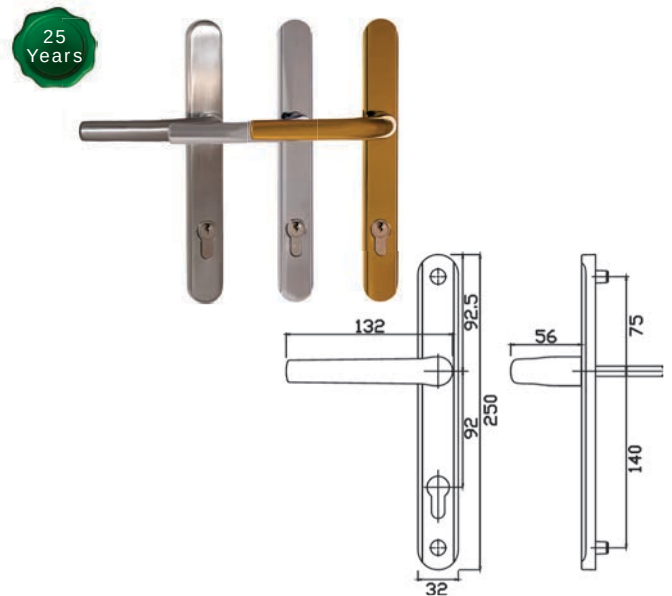
Finish	VBH Code	Box Qty
Silver Anodised	2QHB3801	1
White RAL9016	391.931/1600	1

DG 58.AL.SS Accessories for DG 58



Door Thickness	VBH Code	Box Qty
59-65mm	391.961/5965	1 set
64-70mm	391.961/6470	1 set
69-75mm	391.961/6975	1 set
74-80mm	391.961/7480	1 set
79-85mm	391.961/7985	1 set

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 available)
Up to 72mm door thickness
M6 screws for added strength
Non-handed
25 Year Guarantee

Finish	VBH Code	Box Qty
PVD Gold	2QHB0825	12
Polished Chrome	2QHB0826	12
Brushed Stainless Steel	2QHB0829	12
Spring Cassette Pair	2QHB0822	1

DG 58.AL.SSW Accessories for DG 58

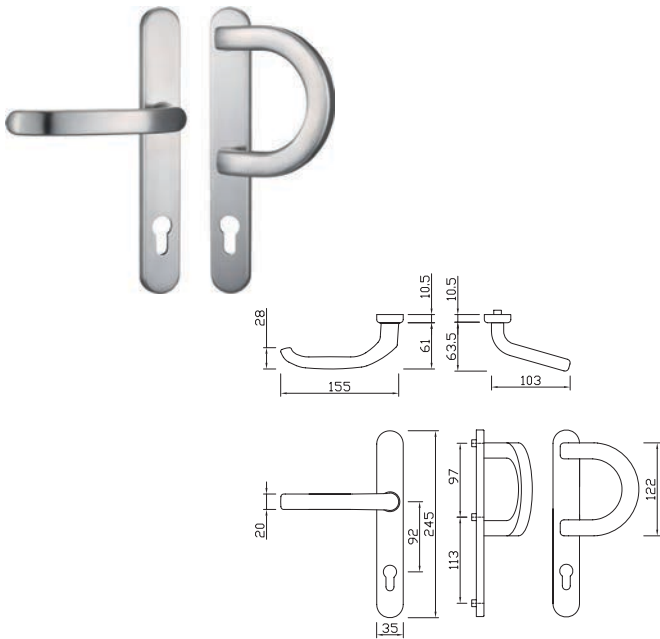


Door Thickness	VBH Code	Box Qty
59-65mm	396.264/5965	1 set
64-70mm	396.264/6470	1 set
69-75mm	396.264/6975	1 set
74-80mm	396.264/7480	1 set
79-85mm	396.264/7985	1 set

Door Handles - Stainless Steel

greenteQ

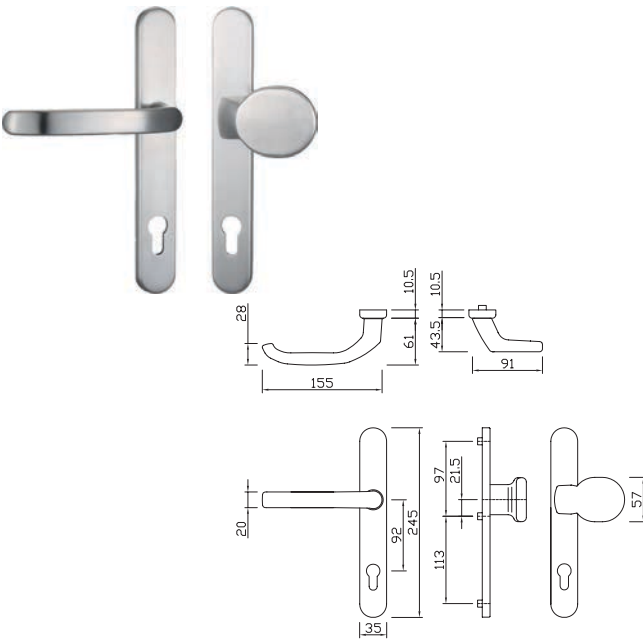
DG 58.ER.SSWB PZ 92 Door Handle



Matt brushed stainless steel construction
 Sprung inner lever with reversible fixed external pull
 92PZ
 Accepts 8mm spindle and M6 screws (to be purchased separately according to profile thickness)

Description	VBH Code	Box Qty
Stainless Steel Lever/Pull Handle Set	396.262 / 6500	1

DG 58.ER.SSWK PZ 92 Door Handle



Matt brushed stainless steel construction
 Sprung inner lever with reversible fixed external pad
 92PZ
 Accepts 8mm spindle and M6 screws (to be purchased separately according to profile thickness)

Description	VBH Code	Box Qty
Stainless Steel Lever/Pull Pad Set	396.261 / 6500	1

DG 58.AL.SSW Spindle & Screw Set



Select according to profile thickness

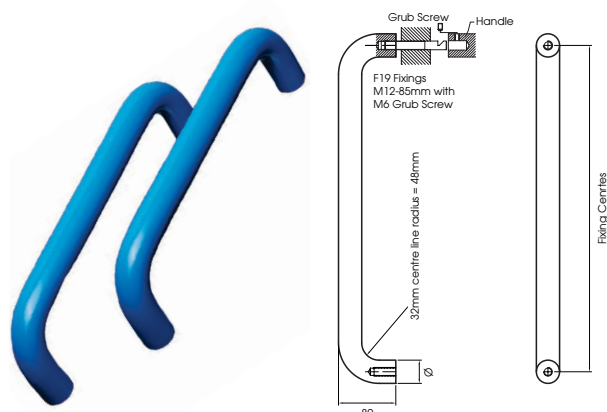
Door Thickness	VBH Code	Box Qty
59-65mm	396.264/5965	1 set
64-70mm	396.264/6470	1 set
69-75mm	396.264/6975	1 set
74-80mm	396.264/7480	1 set
79-85mm	396.264/7985	1 set

Notes

Pull Handles

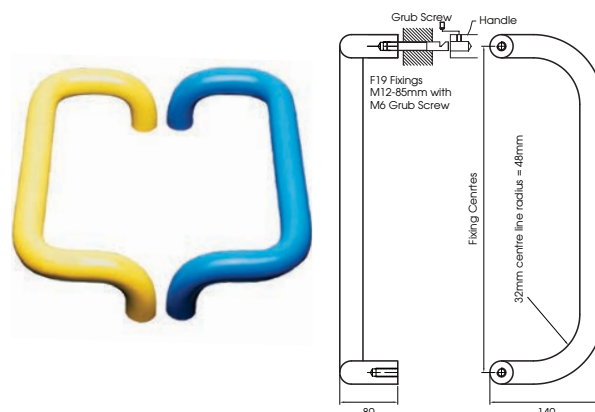
Alpro

Impressionist 01 Series



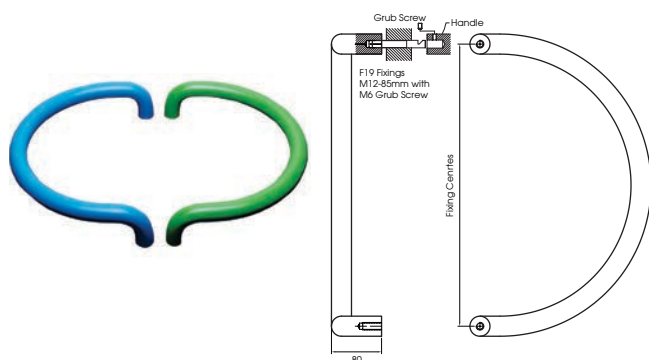
Supplied with bolt-through or back to back fixings as standard (specify which when ordering)
 32mm diameter
 80mm projection
 300, 400 and 600mm centres
 Available in satin anodised, satin stainless, polished stainless, powder coated and nylon coated finishes
 Stainless steel handles are manufactured from grade 304 stainless steel
 There are no ordering codes for these handles as they are supplied on a special order basis. Please contact us with your specification for a price and delivery quote

Impressionist 02 Series



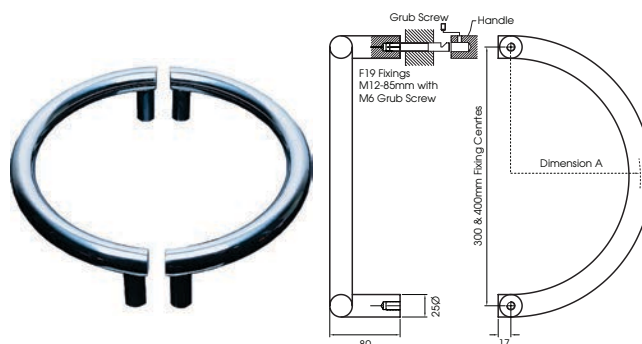
Supplied with bolt-through or back to back fixings as standard (specify which when ordering)
 32mm diameter
 80mm projection/140mm offset
 250, 300, 400 and 600mm centres
 Available in satin anodised, satin stainless, polished stainless, powder coated and nylon coated finishes
 Stainless steel handles are manufactured from grade 304 stainless steel
 There are no ordering codes for these handles as they are supplied on a special order basis. Please contact us with your specification for a price and delivery quote

Impressionist 03 Series



Supplied with bolt-through or back to back fixings as standard (specify which when ordering)
 32mm diameter / 250mm centres or 38mm diameter / 350mm centres (specify when ordering)
 80mm projection
 Available in satin anodised, satin stainless, polished stainless, powder coated and nylon coated finishes
 Stainless steel handles are manufactured from grade 304 stainless steel
 There are no ordering codes for these handles as they are supplied on a special order basis. Please contact us with your specification for a price and delivery quote

Impressionist 05 Series

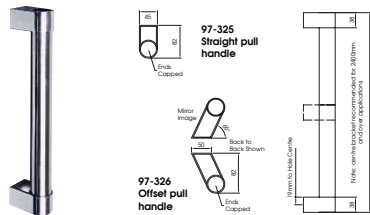


Supplied with bolt-through or back to back fixings as standard (specify which when ordering)
 32mm diameter handle / 25mm diameter legs
 80mm projection
 300 and 400mm centres
 Available in satin anodised, satin stainless, polished stainless, powder coated and nylon coated finishes
 Stainless steel handles are manufactured from grade 304 stainless steel
 There are no ordering codes for these handles as they are supplied on a special order basis. Please contact us with your specification for a price and delivery quote



Pull Handles Alpro

Functional 97 Series



Supplied with bolt-through or back to back fixings as standard (specify which when ordering)

Available in straight (97-325) or offset (97-326) versions (specify when ordering)

41mm diameter

82mm projection

39mm offset on 97-326 version

305 - 3000mm centres (specify when ordering -

IMPORTANT! When specifying length confirm if this is overall handle length or fixing hole centres)

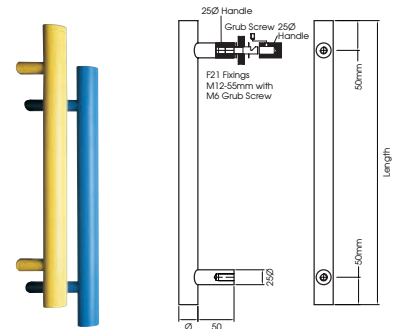
Available in satin anodised, satin stainless, polished stainless, powder coated and nylon coated finishes

Stainless steel handles are manufactured from grade 316 stainless steel

Brackets for stainless steel handles are dull nickel plated and lacquered extruded aluminium

There are no ordering codes for these handles as they are supplied on a special order basis. Please contact us with your specification for a price and delivery quote

Functional 98 Series



Supplied with bolt-through or back to back fixings as standard (specify which when ordering)

Available in straight (98-327) or offset (98-328) versions (specify when ordering)

25, 32 and 38mm diameter options (specify when ordering)

50mm projection

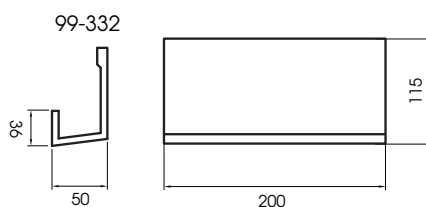
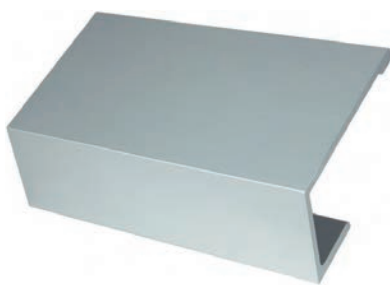
Contact VBH Sales for information regarding centres (specify when ordering - **IMPORTANT! When specifying length confirm if this is overall handle length or fixing hole centres)**

Available in satin anodised, satin stainless, polished stainless, powder coated and nylon coated finishes

Stainless steel handles are manufactured from grade 316 stainless steel

There are no ordering codes for these handles as they are supplied on a special order basis. Please contact us with your specification for a price and delivery quote

Functional 99 Series



Supplied without fixings

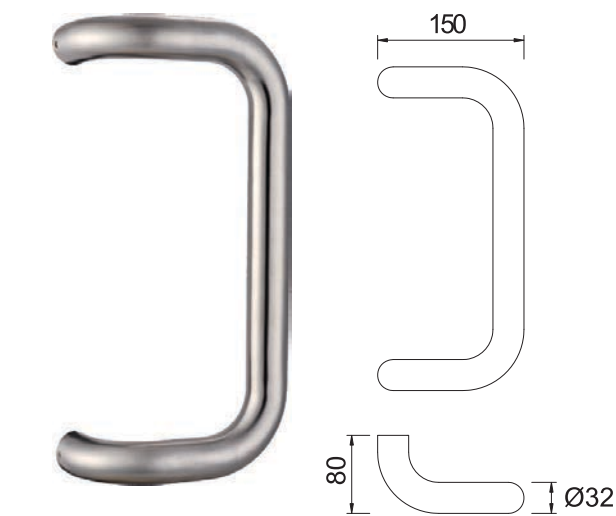
Overall length 200mm / 160mm fixing centres

50mm projection

Available in satin anodised, powder coated, nylon coated and mill finishes

There are no ordering codes for these handles as they are supplied on a special order basis. Please contact us with your specification for a price and delivery quote

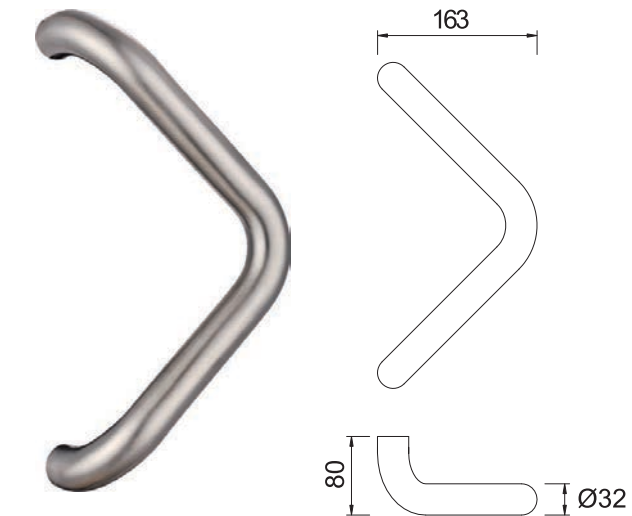
TG 10.ER.GKL



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 50 for options)

Height	Width at Widest Point	VBH Code	Box Qty
300mm	150mm	2QHB3005	1
350mm	150mm	2QHB3006	1

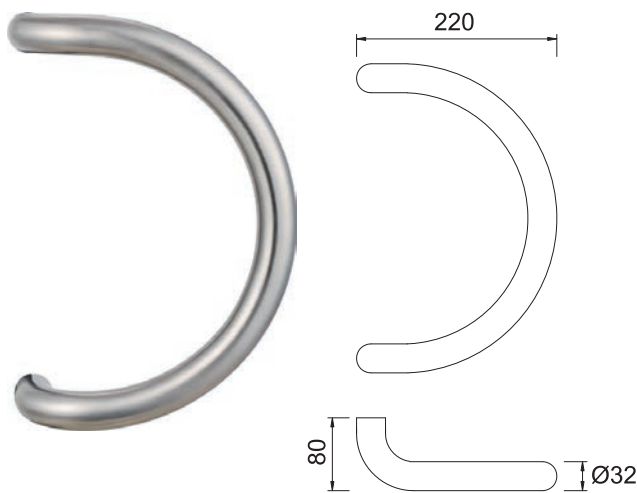
TG 10.ER.GKW



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 50 for options)

Height	Width at Widest Point	VBH Code	Box Qty
300mm	163mm	2QHB3001	1
350mm	163mm	2QHB3002	1

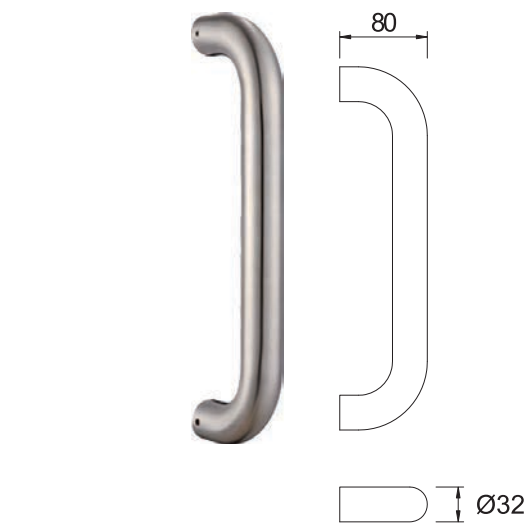
TG 10.ER.GKH



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 50 for options)

Height	Width at Widest Point	VBH Code	Box Qty
300mm	220mm	2QHB3003	1
350mm	220mm	2QHB3004	1

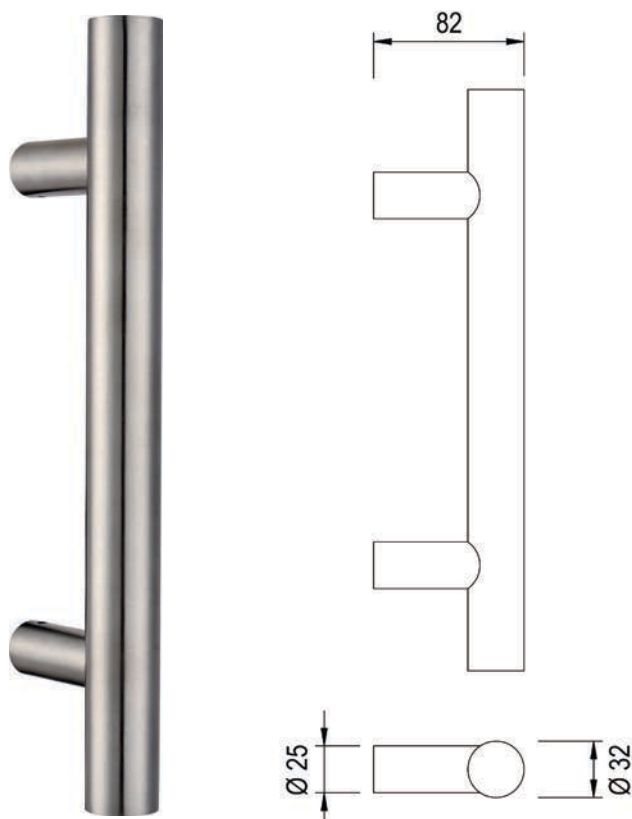
TG 10.ER.GB



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 50 for options)

Height	VBH Code	Box Qty
300mm	2QHB3007	1
350mm	2QHB3008	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

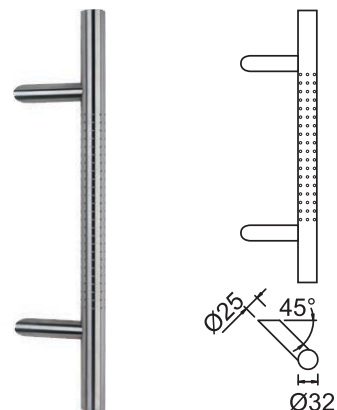
Diameter of legs: 25mm

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

BA15 fixing pack dependent on door material and application to be ordered separately (see page 50 for options)

Overall Length/ Fixing Centres	90° Legs	45° Legs	45° Ext Legs	Box Qty
330mm/210mm	2QHB3010	2QHB3060	2QHB3070	1
400mm/300mm	2QHB3011	2QHB3061	2QHB3071	1
500mm/300mm	2QHB3012	2QHB3062	2QHB3072	1
600mm/400mm	2QHB3013	2QHB3063	2QHB3073	1
800mm/560mm	2QHB3014	2QHB3064	2QHB3074	1
1000mm/700mm	2QHB3015	2QHB3065	2QHB3075	1
1200mm/900mm	2QHB3016	2QHB3066	2QHB3076	1
1400mm/1000mm	2QHB3017	2QHB3067	2QHB3077	1
1600mm/1200mm	2QHB3018	2QHB3068	2QHB3078	1
1800mm/1300mm	2QHB3019	2QHB3069	2QHB3079	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

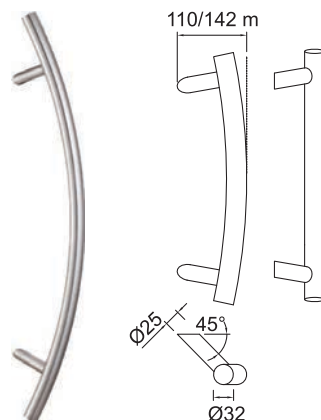
Diameter of handle tube: 32mm

Diameter of legs: 25mm

BA15 fixing pack dependent on door material and application to be ordered separately (see page 50 for options)

Overall Length/Fixing Centres	VBH Code	Box Qty
400mm/300mm	2QHB3020	1
500mm/300mm	2QHB3021	1
600mm/400mm	2QHB3022	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 50 for options)

Overall Length/Fixing Centres	Width at Widest Point of Curve (90°/45° versions)	90° Legs	45° Legs	Box Qty
400mm/300mm	52/110mm	2QHB3023	2QHB3025	1
800mm/695mm	117/142mm	2QHB3024	2QHB3026	1

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: aluminium, timber (composite), PVCu

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: aluminium, timber (composite), PVCu

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)

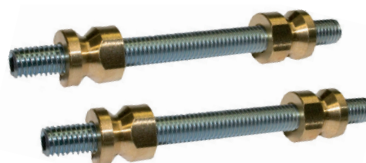
With Rampa-bushing M8/14.5 x 25mm

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: aluminium, timber (composite), PVCu

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

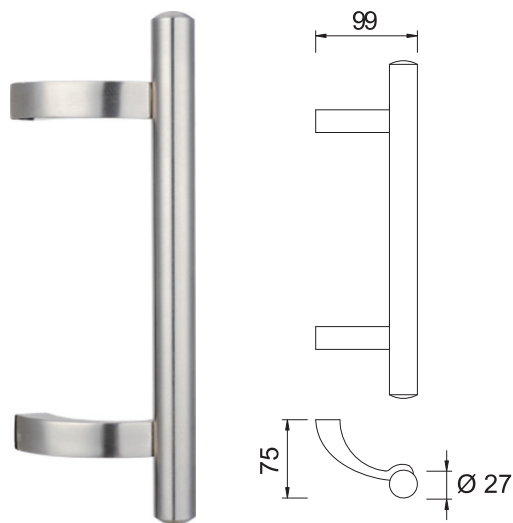
Supplied in a set of 2

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



Pull Handles greenteQ

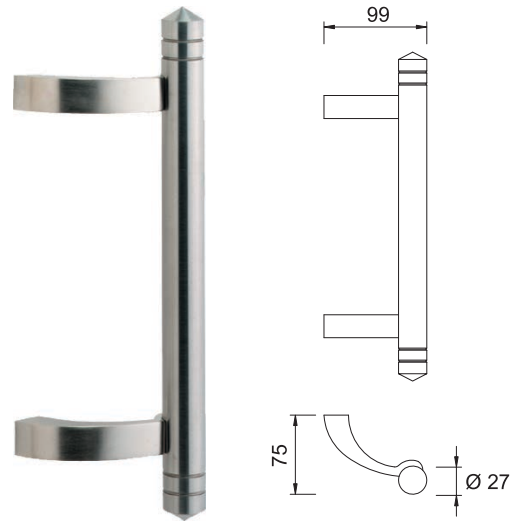
TG 189.ER.GKS



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/Fixing Centres	Width	VBH Code	Box Qty
320mm/210mm	99mm	2QHB3040	1

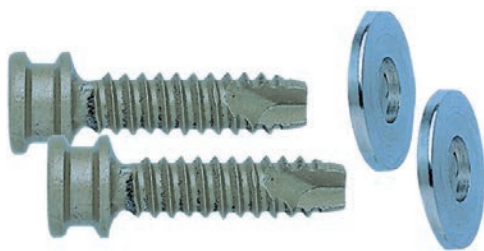
TG 191.ER.GKS



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/Fixing Centres	Width	VBH Code	Box Qty
315mm/210mm	99mm	2QHB3041	1

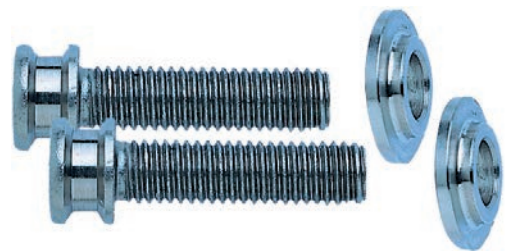
No. 5



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 Code	Box Qty
No.5 Fixing Kit	2QHB3042	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 Code	Box Qty
No.7 Fixing Kit	2QHB3043	1 Set

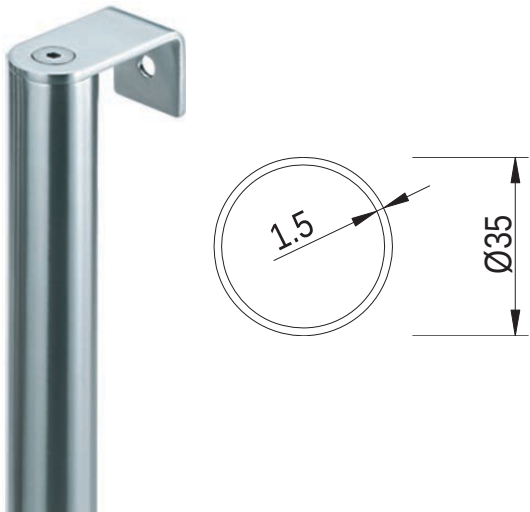
Pull Handles - Versatile Self Assembly System

greenteQ

The greenteQ versatile self-assembly system allows door manufacturers to assemble their own pull handles to their desired size using a number of components.

Each pull handle consists of a matt brushed stainless steel round tube and galvanised steel reinforcing square tube* (both cut to length), spacing sleeves*, (quantity depends on tube length) and a pair of fixing brackets (attached using greenteQ bracket fasteners)

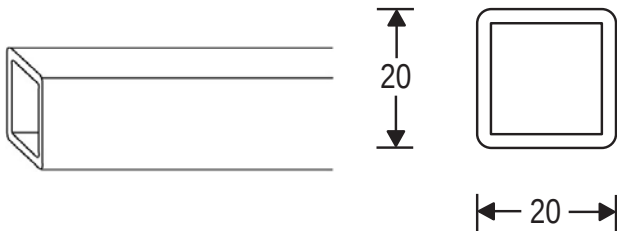
Stainless Steel Round Tube



35mm diameter round tube (1.5mm thick)
Matt brushed stainless steel

Length	VBH Code	Box Qty
2000mm	321.924/6500	1
3000mm	959.585/6500	1

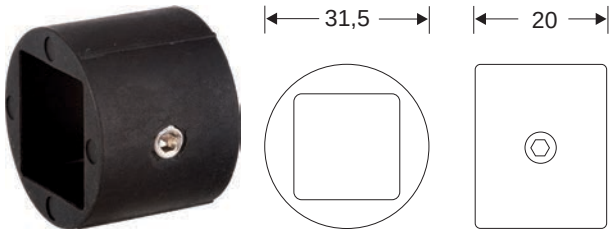
Galvanised Steel Square Tube*



Steel reinforcement profile tube (20x20x2mm)

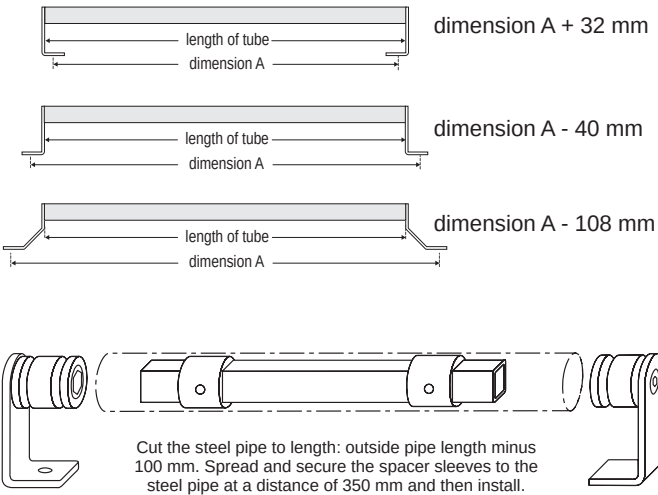
Length	VBH Code	Box Qty
2000mm	372.444/4010	1
3000mm	959.586/4010	1

Spacing Sleeve Round*



For fixing at intervals of 350mm on steel reinforcement tube
Supplied with fixing screw

Description	VBH Code	Box Qty
Spacing Sleeve	959.592/0000	100

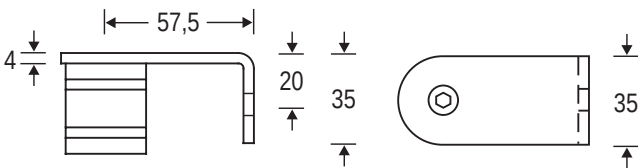


*Mandatory on pull handles greater than 1500mm in length and for pulls with anticipated heavy usage

Pull Handles - Versatile Self Assembly System

greenteQ

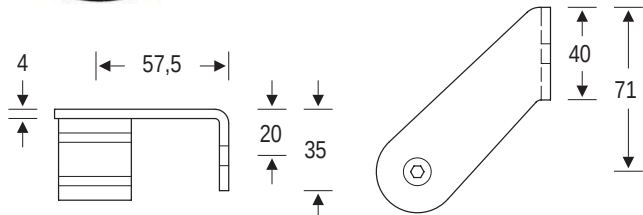
Straight Bracket



Straight bracket
Inward angled mounting strap
Matt brushed stainless steel

Description	VBH Code	Box Qty
Straight Bracket	959.590/6500	1

45° Angle Bracket



45° angle bracket
Inward angled mounting strap
Matt brushed stainless steel

Description	VBH Code	Box Qty
Left Hand Angle Bracket	993.943/6501	1
Right Hand Angle Bracket	993.940/6502	1

Escutcheons

The European greenteQ range includes many different types of cylinder escutcheon. 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 for more information on the range or call us for a link

The options here are examples of the styles available

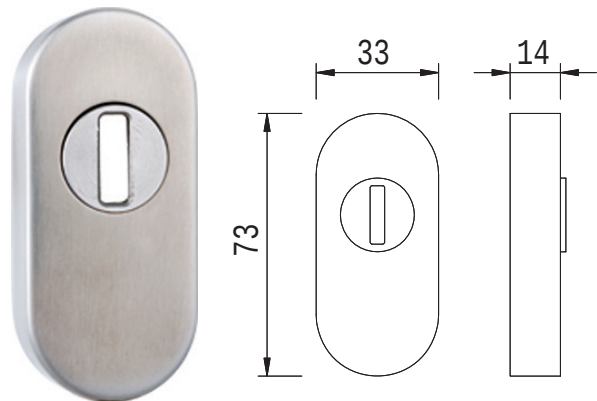
Security Escutcheon Pair ZA PZ 14mm ER



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 Code	Box Qty
Escutcheon Pair	2QHB3500	10 Pr

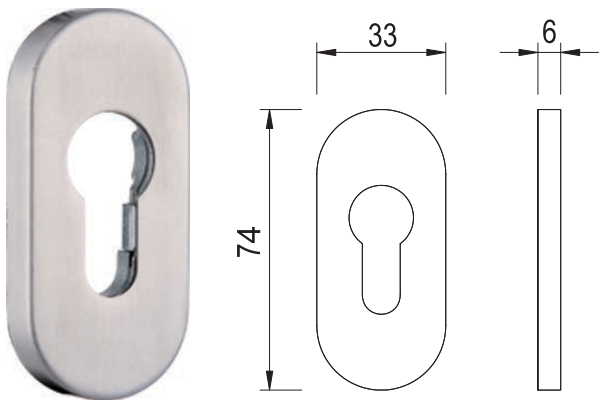
Clip-on Escutcheon with Cylinder Cover ZA Oval 14mm ER



greenteQ escutcheons with cylinder cover for entrance doors, to combine with pull handles and lever handles
14mm thick for 5-10mm cylinder protrusion
Matt brushed stainless steel
PZ keyhole
Includes screws

Description	VBH Code	Box Qty
Escutcheon	2QHB3508	10

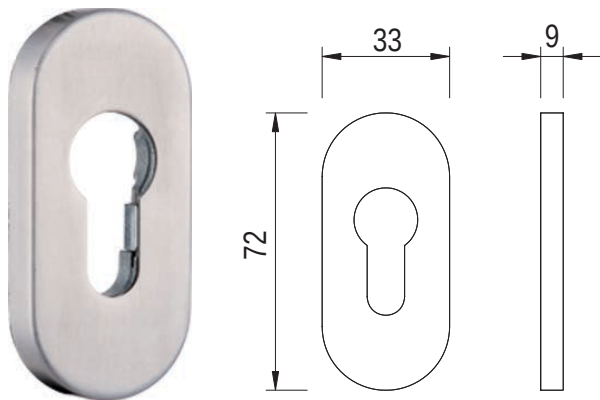
Clip-on Escutcheon PZ Oval 6mm ER



greenteQ escutcheons for entrance doors, to combine with pull handles and lever handles
6mm thick
Matt brushed stainless steel
PZ keyhole
Includes screws

Description	VBH Code	Box Qty
Escutcheon	359.542/6500	10

Clip-on Escutcheon Oval 9mm ER



greenteQ escutcheons for entrance doors to combine with pull handles and lever handles
9mm thick
Matt brushed stainless steel
PZ keyhole
Includes screws

Description	VBH Code	Box Qty
Escutcheon	354.412/6500	10

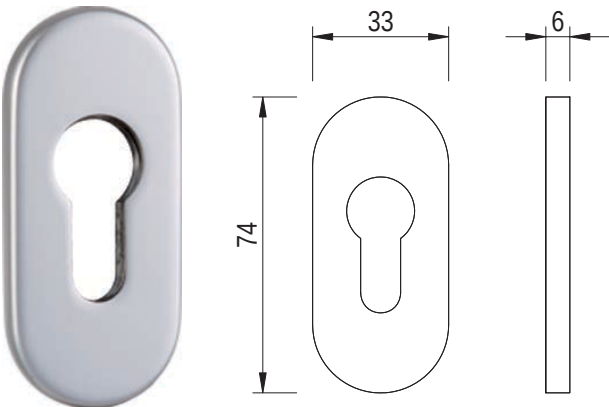
Clip-on Escutcheon PZ 10mm ER



Matt brushed stainless steel (grade 1.4301)
Dimensions: 30 x 70 x 10mm
Supplied individually

Description	VBH Code	Box Qty
Escutcheon	2QHB3520	10

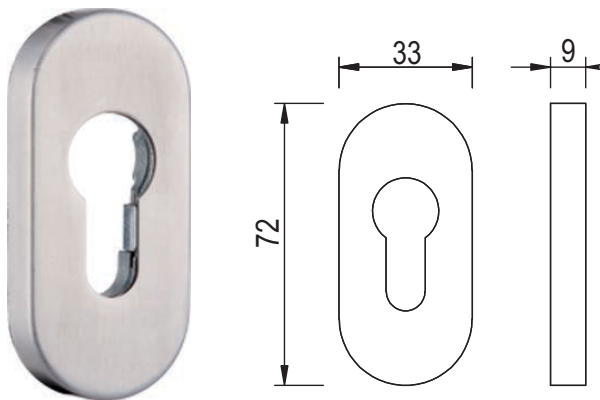
Clip-on Escutcheon Oval 6mm AL



greenteQ escutcheons for entrance doors, to combine with pull handles and lever handles
PZ keyhole
Aluminium construction
Screws not included

Finish	VBH Code	Box Qty
Silver F1	359.542/0100	10
White RAL 9016	359.542/1600	10

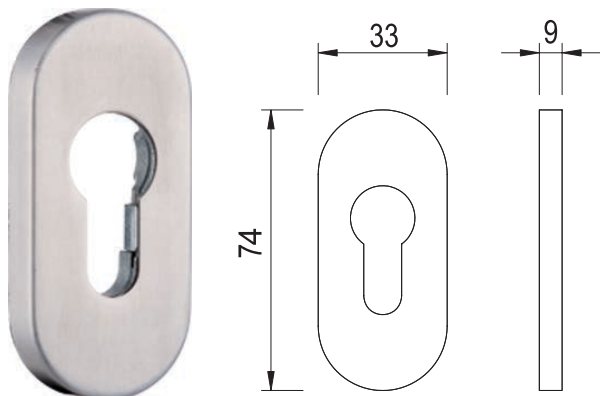
Clip-on Escutcheon PZ Oval 9mm ER



Clip on greenteQ escutcheons for entrance doors, to combine with pull handles and lever handles
9mm thick
Matt brushed stainless steel
PZ keyhole
Does not contain screws

Description	VBH Code	Box Qty
Escutcheon	2QHB3511	10

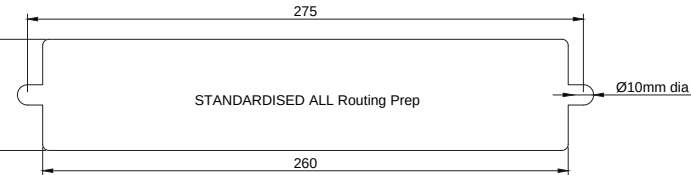
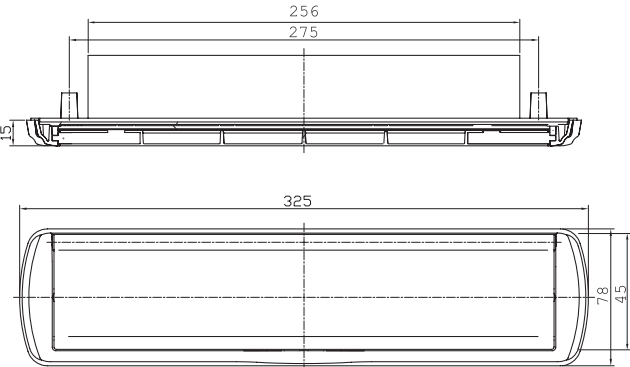
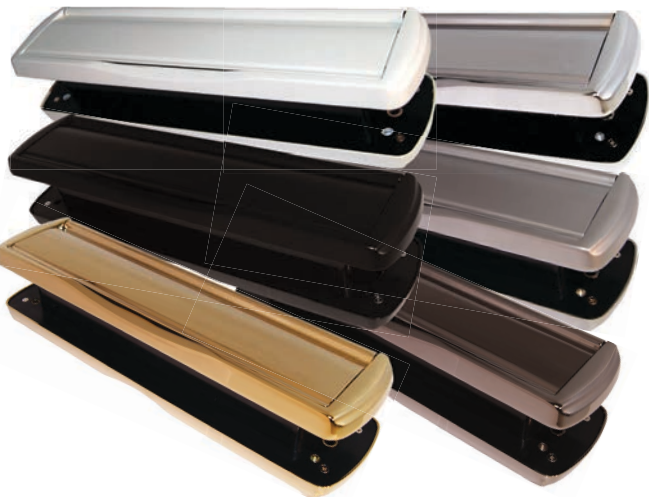
Clip-on Escutcheon Oval 9mm AL



greenteQ escutcheons for entrance doors, to combine with pull handles and lever handles
PZ keyhole
Aluminium construction
Screws not included

Finish	VBH Code	Box Qty
Silver F1	2QHB4034	10
White RAL 9016	2QHB4035	10

greenteQ Omega



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
Internal Aperture: 249 x 38mm
Door Prep: 260 x 55mm

Finish	VBH Code	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

Yale Postmaster Platinum



Marine grade 316 stainless steel construction on all external components
480 hours corrosion resistance (tested in accordance to BS EN 1670)
180° opening tested to 25,000 cycles
Suits doors from 20 - 80mm thick
Draught proofing & integral brush deliver full weather proofing
Design & finishes suite with Yale Platinum Series door handles
Postal aperture compliant with EN 13724
20 year Yale mechanical and surface finish guarantee
Overall size: 321 x 65mm
Aperture size: 253 x 35mm

Finish	20-40mm DT	40-80mm DT	Box Qty
PVD Polished Gold	2YDF0102	2YDF0100	10
PVD Polished Chrome	2YDF0103	2YDF0101	10

Letterboxes

Yale (Paddock)

Slimmaster



Slim design for narrow mid-rails
 Telescopic sleeves
 All aluminium construction
 Concealed steel springs
 Closed cell foam seal
 Supplied without fixing screws
 90° opening
 Overall Size : 316 x 50mm
 Aperture Size : 269 x 38mm
 Door Thickness: 36-70mm

Finish	VBH Code	Box Qty
White	2PDK0012	25
Etched Gold	2PDK0011	25
Polished Gold	2PDK0014	25
Gold Anodised	2PDK0017	25
Satin Anodised	2PDK0010	25
Black	2PDK0013	25

Yaleseal - 10 Inch



20/20 version suitable for 18-38mm panels
 40/40 version suitable for 38-78mm mid-rails
 Aluminium flap with moulded ABS frame
 Nylon brush seal to inside & weather seal to external flap
 Supplied with 2 fixing screws
 147° opening (external)
 BS2911 compliant
 Overall size : 265 x 70mm
 Door aperture: 216 x 38mm

Flap/Frame Colour	18-38mm DT	38-78mm DT	Box Qty
White/Black	2WBX0010	2WBX0001	25
White/White	2WBX0015	2WBX0006	25
Polished Gold/Black	-	2WBX0007	25
Satin Anodised/Black	2WBX0011	2WBX0002	25
Gold Anodised/Black	2WBX0014	-	25
Black/Black	2WBX0013	2WBX0004	25

P209 Postmaster



All aluminium construction
 Telescopic sleeves
 Concealed steel springs
 Nylon brush seal to inside & weather seal to external flap
 Supplied with thru-fix screws
 Flaps open to 130°
 A4 aperture to BS2911
 Overall Size : 303 x 70mm
 Aperture Size : 261 x 45mm
 Door Thickness: 40-80mm*

Finish	VBH Code	Box Qty
White	2PDK0353	25
Polished Gold	2PDK0352	25
Satin Anodised	2PDK0351	25
Black	2PDK0354	25

*Postmaster letterboxes covering door thickness between 20-40mm are available to special order, subject to manufacturer's minimum order requirements. Please ask us for a quote.

Yaleseal - 12 Inch



20/20 version suitable for 18-38mm panels
 40/40 version suitable for 38-78mm mid-rails
 Aluminium flap with moulded ABS frame
 Nylon brush seal to inside & weather seal to external flap
 Supplied with 2 fixing screws
 147° opening (external)
 BS2911 compliant
 Overall size : 304 x 70mm
 Door aperture: 254 x 38mm

Flap/Frame Colour	18-38mm DT	38-78mm DT	Box Qty
White/Black	2PDK0303	2PDK0323	25
White/White	2PDK0309	2PDK0333	25
Polished Gold/Black	2PDK0305	2PDK0325	25
Polished Gold/White	-	2PDK0335	25
Polished Silver/Black	2PDK0306	2PDK0326	25
Polished Chrome/Black	2PDK0308	2PDK0328	25
Satin Anodised/Black	2PDK0301	2PDK0321	25
Gold Anodised/Black	2PDK0302	2PDK0322	25
Black/Black	2PDK0304	2PDK0324	25

Letterboxes

VBH

VBH Commercial

Large aperture for commercial applications
Telescopic sleeves
Features rolling chamber that rotates when flap is moved, preventing air/water ingress when flap is closed
Sprung flap further ensures weather tightness and eliminates rattles
Satin anodised aluminium and white are standard finishes. Please enquire about other RAL finishes
Overall size : 400 x 81mm
Front opening: 333 x 58mm
Inner aperture: 365mm x 58mm
Door thickness: 44 - 75mm as standard (doors from 17 - 48mm can be accommodated by adding a Filling Piece)

Description	VBH Code	Box Qty
Letterbox with SAA Outer/Black Inner	299999000	1
Letterbox with RAL9001 White Outer/Black Inner	299999005	1
17 - 48mm DT Filling Piece	299999030	1



Door Restrictors

Locit Hold Open Concealed Door Restrictor



Stainless steel arms
Concealed restrictor stay with hold open jaw as standard
Adjustable friction
Allows 90° opening depending on positioning
Minimum airgap of 12mm required (except 2GBA0009)

Description	VBH Code	Box Qty
Hold-Open 335 Restrictor Ferritic S/S	2GBA0015	50
Hold-Open 335 Restrictor Austenitic S/S	2GBA0016	50
Hold-Open 500 Restrictor Ferritic S/S	2GBA0017	50
Hold-Open 500 Restrictor Austenitic S/S	2GBA0018	50
Slim Hold-Open 335 Restrictor Ferritic S/S*	2GBA0009	50
Slim Hold-Open 500 Restrictor Ferritic S/S*	2GBA0046	50

*Works in 4-12mm air gap

Strand D6095-01 Concealed Door Restrictor



Allows openings of 70-110° depending on positioning
Adjustable friction block
Damper spring as standard
Mild steel passivated arm
Suits aluminium, PVCu and timber doors
12mm airgap required
Available in 395mm version to special order
Available with bright chrome, brass or satin stainless steel plated arm to special order

Description	VBH Code	Box Qty
495mm Door Restrictor	2WAC0084	20

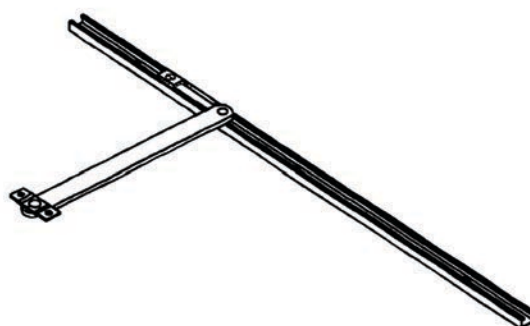
Locit Slimline Concealed Door Restrictor



Stainless steel arm
Concealed restrictor stay
Allows 90° opening (varies according to positioning)
Adjustable friction
Suitable for 4-12mm air gap
Optional damper spring cushions 'hinge-whip' effect

Description	VBH Code	Box Qty
Slimline 335mm Restrictor	2GBA0060	50
Optional Damper Spring	2GBA0057	1

greenteQ Slimfit Restrictor



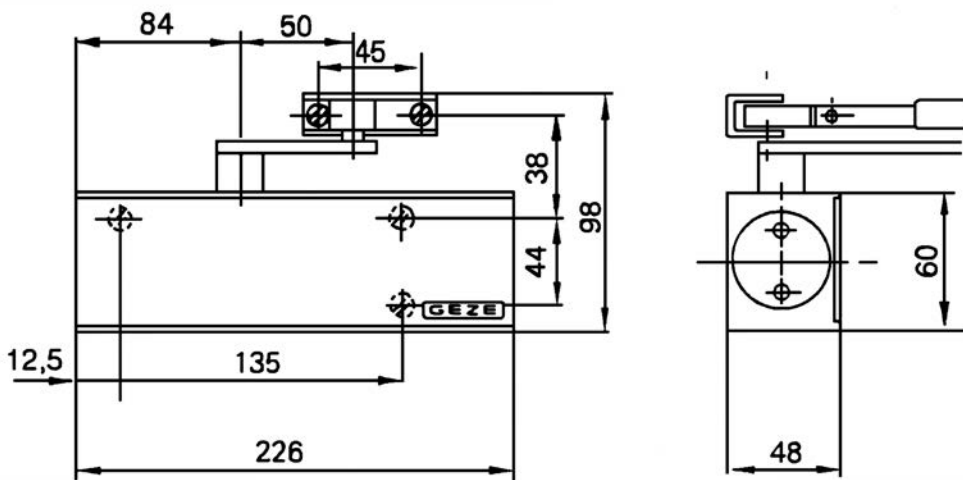
Friction adjustable mild steel arm
Allows 90° opening (varies according to positioning)

Description	VBH Code	Box Qty
745mm Restrictor	2QMA0022	25

Overhead Door Closers - Surface Mounted

Geze

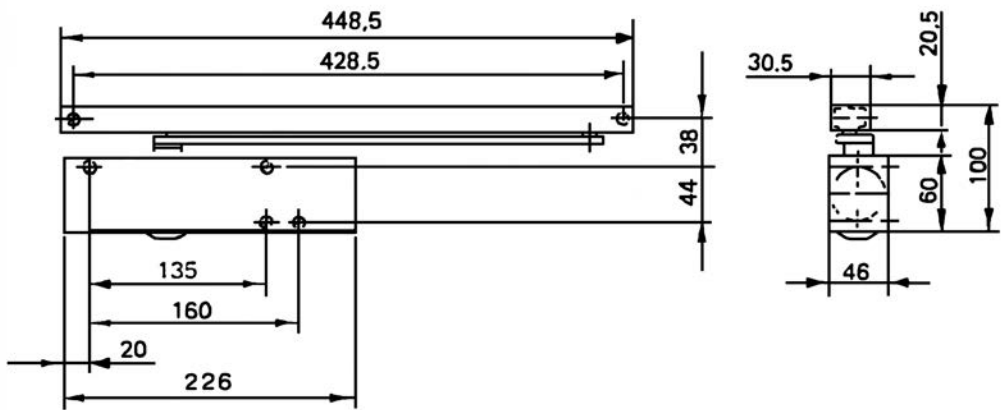
TS2000V Door Closer



Variable Power

Description	VBH Code	Box Qty
Silver	4GEZ0504	1
White	4GEZ0505	1
Silver - Hold Open Arm	4GEZ0512	1
Drop Plate	4GEZ0542	1

TS3000 Door Closer



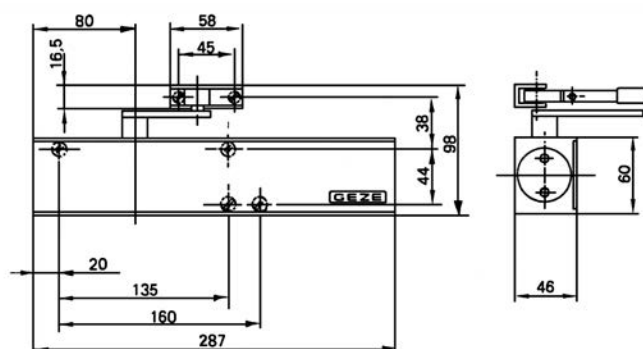
Surface Mounted
Guide Rail Arm

Description	VBH Code	Box Qty
Silver	4GEZ0521	1
Silver - Hold Open	4GEZ0522	1

Please check with Sales Department regarding other finishes e.g. RAL colours

Overhead Door Closers - Surface Mounted and Concealed

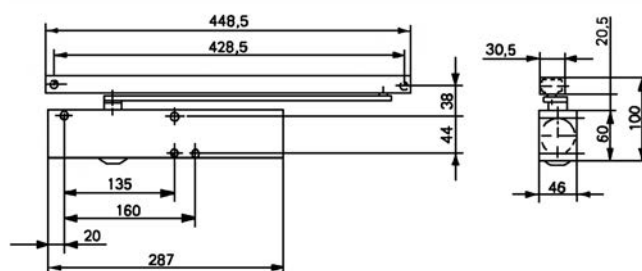
TS4000 Door Closer



Variable Power

Description	VBH Code	Box Qty
Silver	4GEZ0506	1
Silver - Hold Open	4GEZ0520	1
White	4GEZ0538	1
Drop Plate	4GEZ0524	1
Mounting Plate Silver	4GEZ0543	1
Mounting Plate White	4GEZ0537	1

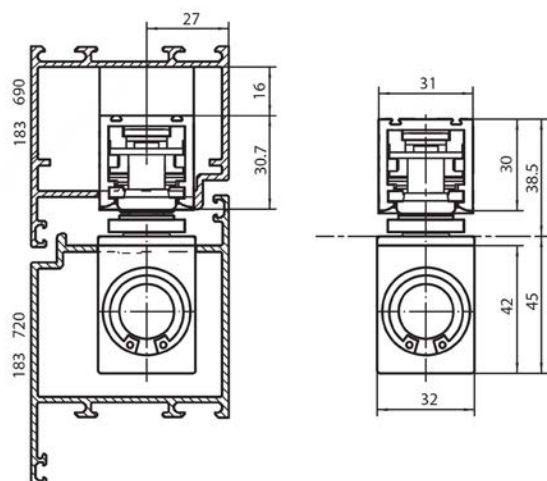
TS5000 Door Closer



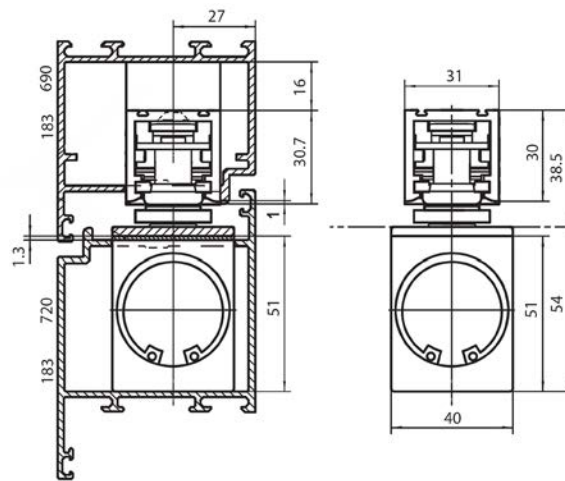
Surface Mounted
Guide Rail Arm

Description	VBH Code	Box Qty
Silver - Open In	4GEZ0515	1
Silver - Open Out	4GEZ0518	1

Boxer Concealed Door Closer



Size 2-4



Size 3-6

Description	VBH Code	Box Qty
Boxer Closer Size 2-4	4GEZ0547	1
Boxer Closer Size 3-6	4GEZ0548	1
Guide Rail with Lever Silver	4GEZ0549	1
Guide Rail with Lever & Mechanical Hold-Open Silver	4GEZ0550	1

Please check with Sales Department regarding other finishes. e.g. RAL colours

Overhead Door Closers - Concealed Alpro

Closers & Accessories

Built in positive back stop
90° hold open function available at no extra cost
12mm spindle length (17mm & 22mm are available to special order)
100Kg sash weight as standard (120Kg with heavy duty bottom pivot assembly)
Maximum door height - 2540mm
Medium spring caters for doors from 751 - 950mm wide (Size 2)
Closer dimension 293 x 90mm (concealed thickness 37mm)
Tested to 250,000 double action cycles according to EN 1154
DDA compliant option
Dual closing speed - final closing speed is adjustable after installation



Side Loading Closer

Includes side load top arm assembly

Description	VBH Code	Box Qty
Size 2 Medium Duty - No Hold Open	4ALP0002	4
Size 2 Medium Duty - With Hold Open	4ALP0001	4

DDA Compliant, Light Duty, Heavy Duty, Variable Strength & Dummy Closer options are all available to special order

End Loading Closer

Includes end load top arm assembly

Description	VBH Code	Box Qty
DDA Compliant - No Hold Open	4ALP0004	4

Light Duty, Medium Duty, Heavy Duty, Variable Strength & Dummy Closer options are all available to special order

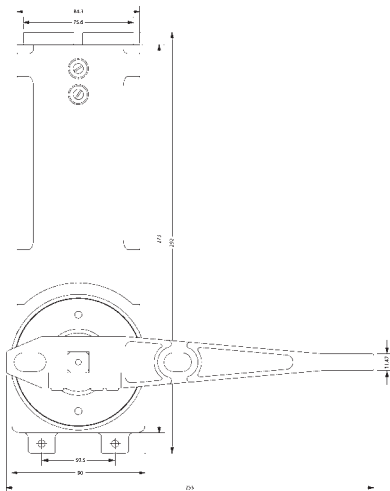
Accessories

Description	VBH Code	Box Qty
Heavy Duty Bottom Pivot Assembly (120Kg door weight)	4ALP0007	1



Transom Closers

Adams Rite - ARC-51N



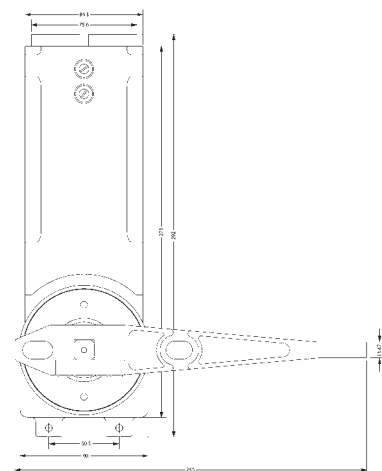
ARC-51N is designed to provide controlled closing of a single or double action door.

Features include 3 levels of spring tension, 90° hold open facility and a comprehensive fixing pack including a fixing channel.

A 'springless' version is available allowing the fabrication of a free-swinging door without changing the standard prep.

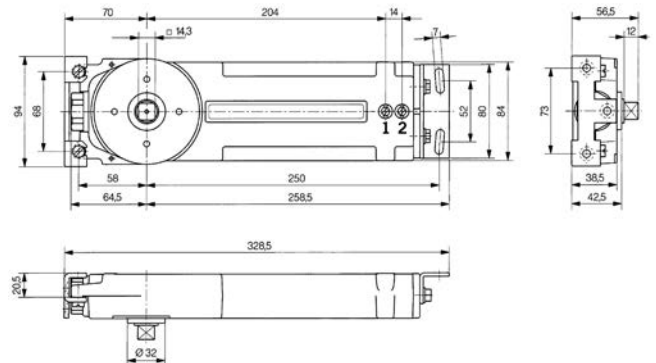
Description	VBH Code	Box Qty
Side Load, Med. Spring, Non Hold Open, 70mm Pivot	3ARC0198	1
Side Load, Med. Spring, 90° Hold Open, 70mm Pivot	3ARC0196	1
End Load, Anti-Finger Trap Brkt, Med. Spring, 90° Hold Open, 70mm Pivot	3ARC0139	1
End Load, Anti-Finger Trap Brkt, Med. Spring, Non Hold Open, 70mm Pivot	3ARC0195	1
End Load, Anti-Finger Trap Brkt, Heavy Spring, 90° Hold Open, 70mm Pivot	3ARC0207	1
End Load, Anti-Finger Trap Brkt, Med. Spring, 90° Hold Open, 65mm Pivot	3ARC0133	1

Adams Rite - 'Springless' Overhead Concealed Door Pivot Version



Description	VBH Code	Box Qty
Side Load, Anti-Finger Trap Application, 70mm Pivot Centre	3ARC0203	1

Dorma RTS 85



ARC-51N is designed to provide controlled closing of a single or double action door.

Features include 3 levels of spring tension, 90° hold open facility and a comprehensive fixing pack including a fixing channel.

A 'springless' version is available allowing the fabrication of a free-swinging door without changing the standard prep.

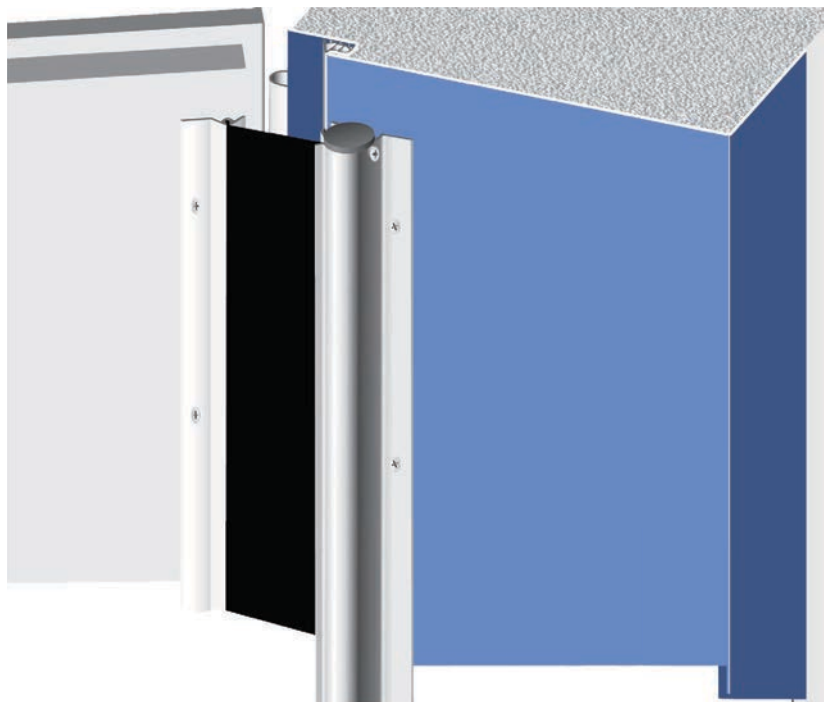
Description	VBH Code	Box Qty
RTS85 EN3 With 90° Hold Open	4DOR0007	1
RTS85 EN3 Without Hold Open	4DOR0008	1
RTS85 EN3 With 90° Hold Open & 10mm Extended Spindle	4DOR0041	1
RTS85 EN4 With 90° Hold Open	4DOR0034	1
RTS85 EN4 Without Hold Open	4DOR0035	1
RTS85 EN5 With 90° Hold Open	4DOR0042	1
RTS85 EN5 Without Hold Open	4DOR0032	1
RTS85 EN5 Without Hold Open	4DOR0033	1
RTS85 Dummy Closer	4DOR0031	1

Dorma Accessories for RTS 85

Description	VBH Code	Box Qty
Side Load Closer Arm With Channel	4DOR0005	1
End Load Closer Arm With Channel	4DOR0037	1
Pinch-Free End Load Closer Arm	4DOR0038	1
Cranked Closer Arm For RTS85 Offset	4DOR0039	1
Side Load Pivot. Universal Threshold	4DOR0006	1
RTS85M SAA Cover Plates	4DOR0013	1

Finger Protection Strand

FP200



FP200 can be fitted to most single and double action doors, including automatics.
It provides effective protection against finger trapping on the hinge side.
The strong fabric material is kept under constant tension and covers the gap
between the sash and frame when the door is opened.
Standard length - 1925mm
SAA and white are standard. Dark bronze and other RAL colours are available to order

Description	VBH Code	Box Qty
FP200 Finger Protection Device White	2WAC0127	1
FP200 Finger Protection Device SAA	2WAC0128	1



Emergency Exit Hardware

Adams Rite

Concealed Exit Device

Push bar and concealed rod combination

Non-handed

Allows 900-1100mm from threshold to centre line of bar

Allows up to 1676mm above the bar (taller door kit available to special order)

Built-in dogging facility

Suitable for most 44-45mm doors with minimum 32mm inside depth to clear mechanism

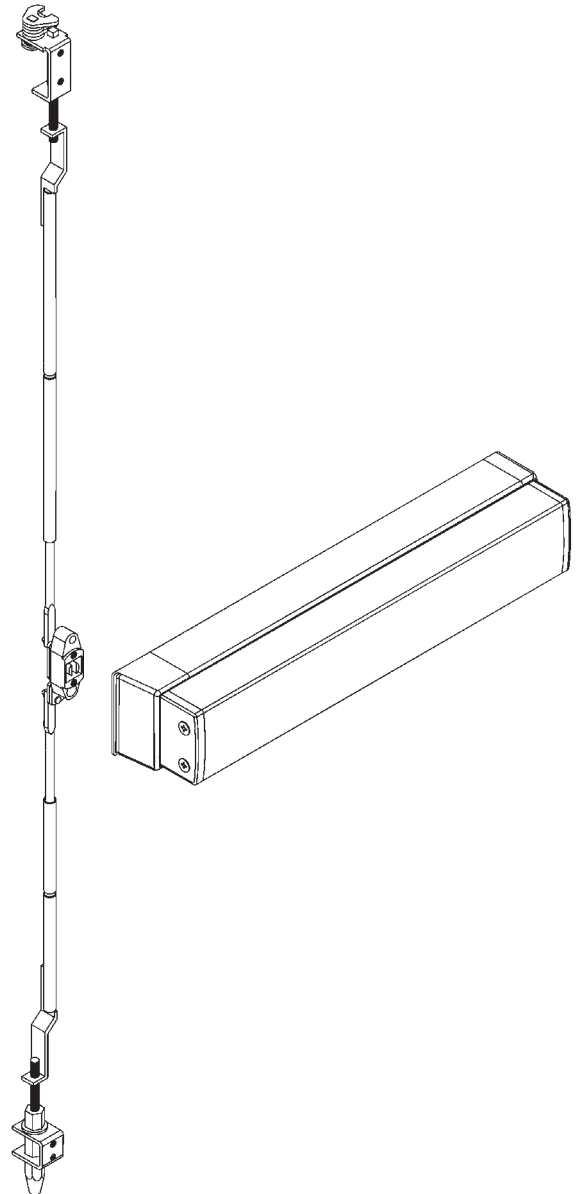
Standard version suits profiles where wall section is nominal 3.2mm.

(Anything thicker or thinner than this will require a special version)

Independently tested to requirements of BS1125:1997+A1: 2001

(Classification Code 37601322B)

Description	VBH Code	Box Qty
960 Exit Device 750mm	3ARC0200	1
960 Exit Device 900mm	3ARC0075	1
960 Exit Device 1050mm	3ARC0074	1
960 Exit Device 1200mm	3ARC0076	1





Yale Panic Exit Device

Yale PED Panic Exit Device for Single and Double Doors

The Yale PED Panic Exit Device combines the safety of a panic bar with the security of a multi-point hook lock.

The bold green and black cross arm is linked to a Lockmaster multi-point door lock that gives full locking down the length of the door frame through hooks and anti-lift pins. Even when the door is locked, emergency exit can be achieved by depressing the bar as this automatically overrides the locked state to retract all locking points. The locking points are then re-engaged by lifting the internal toggle switch and arm, making the door fully secure from outside once more.

Yale PED is suitable for aluminium, PVCu and timber doors, and is supplied in a kit including lock, cross arm and keeps. Profile related packers should be ordered separately, as should the optional top and bottom shootbolts and keeps if these are required.

The optional outside access kit allows the door to be opened and locked from outside via a key and lever.

Yale PED is tested, certified and CE marked for single and double doors to BS EN1125:2008.

It has been cycle tested to 200,000 operations and can be used on doors up to 200Kg.

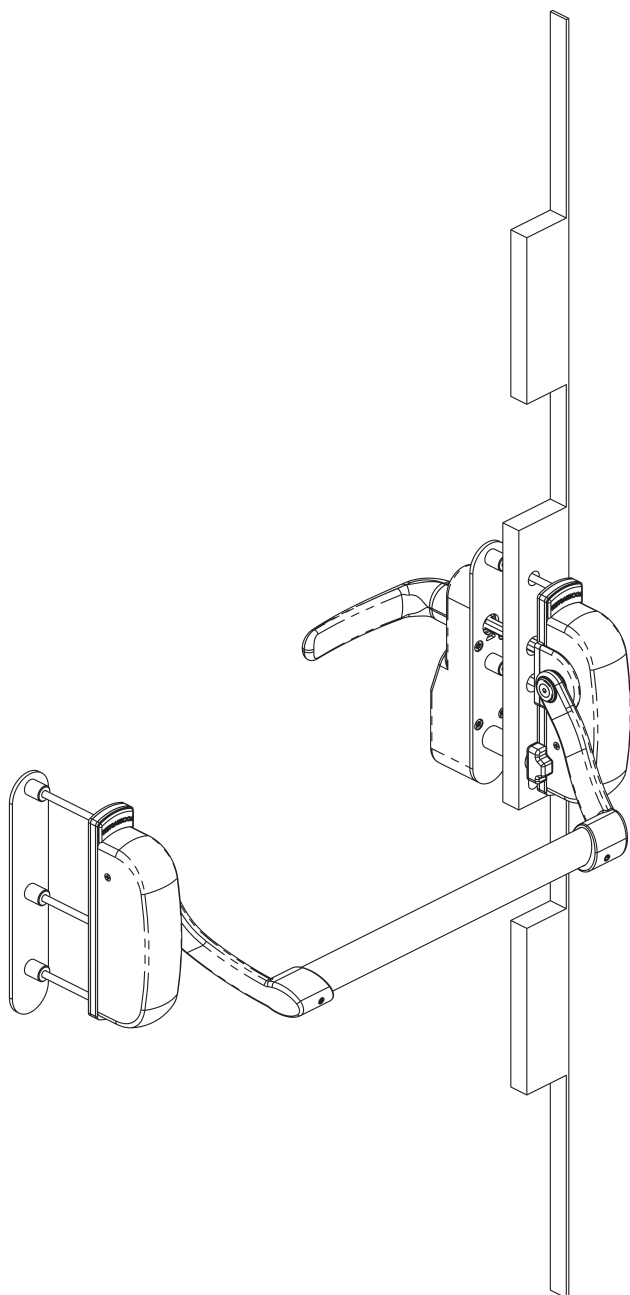
Benefits at a glance:

- Tested, certified and CE marked to BS EN1125:2008 (classification 37601421AA)
- Gives emergency exit whilst retaining security through Lockmaster multi-point lock
- Supplied in set including cross arm, lock and keeps (Hook/Pin type includes flat keeps for rebating into timber. Hook/Pin/Roller type includes keeps that accept profile related packers)
- Double door solutions give the option of fitting vertical shootbolts to both doors or on passive door only
- Optional outside access kit available
- Green and black cross arm contrasts with most door colours
- Suits aluminium, PVCu and timber single and double doors
- Tested to 200,000 cycles
- Can be used on doors up to 200Kg
- 950mm cross arm
- High corrosion resistance (240 hours neutral salt spray test)



Emergency Exit Hardware Yale

PED Panic Exit Device for Single Doors



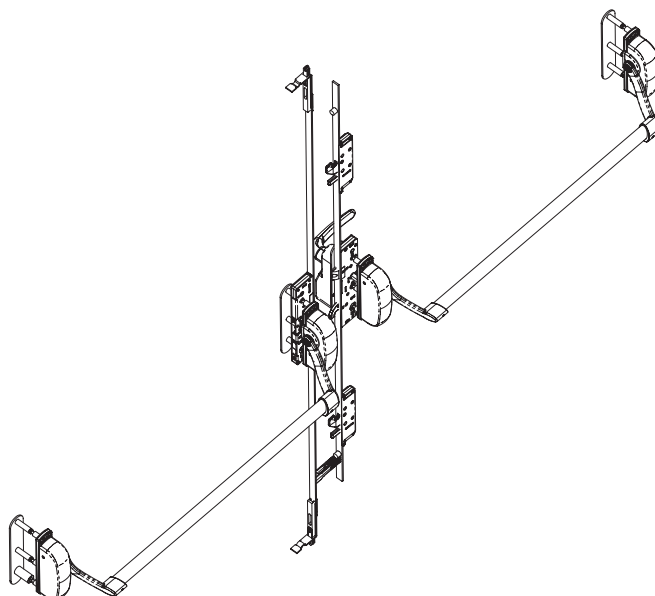
Description	VBH Code	Box Qty
Hook/Pin/Roller LH PED Kit*	3PDL0501	1
Hook/Pin/Roller RH PED Kit*	3PDL0502	1
Hook/Pin PED KIT (Unhanded)	3PDL0503	1
Outside Access Kit	3PDL0500	1

Optional Extras for Single Door Kits

Colour	VBH Code	Box Qty
Shootbolt Pair (200mm Top & Bottom)	3MML0040	25Pr
Shootbolt Pair (200mm Top/100mm Bottom)	3MML0041	25Pr
Single Shootbolt Keep with Dust Box*	3MML0029	200
Single Shootbolt Keep without Dust Box*	3MML0016	200

*Refer to Downloads section of www.vbhgb.com or VBH Technical Department for correct underpacker.

PED Panic Exit Device for Double Doors



Description	VBH Code	Box Qty
Hook/Pin/Roller PED Kit* (Shootbolts on passive leaf only)	3PDL0504	1
Outside Access Kit	3PDL0500	1

Note: Double door kits are supplied with everything in the kit including locks, cross-arms, keeps and shootbolts.
The only part to be ordered separately is the profile related under packer (x13)

Emergency Exit Hardware Exidor

500 Series Panic Bolt

Suitable for all aluminium profiles
Supplied complete with keeps for aluminium doors
Tested, certified and CE marked to BS EN1125 (Cross-Arms)
Panic bolts incorporate vertical shootbolts for solid connection to frame
Non handed for reduced stock holding
Silver & white/green are standard colours (other RAL colours available to special order)
Push-Pad solution also available (classified to BS EN179) - Please enquire



502A-B/AD Cross-Arm Panic Bolt 2 Point Locking



BS EN1125:2008 classification 37601322AA

Locks via shootbolts

Includes P0401 & 4EPG0049 keeps

Description	Order Code	Box Qty
2 Point Panic Bolt Set White/Green	502A-B/AD White	1
2 Point Panic Bolt Set Silver	502A-B/AD Silver	1
2 Point Panic Bolt Set Black	502A-B/AD Black	1

503A-B/AD Cross-Arm Panic Bolt 3 Point Locking



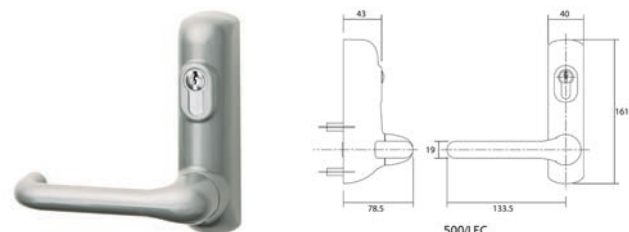
BS EN1125:2008 classification 37601322AA

Locks via vertical shootbolts and central horizontal pullman latch

Includes P0401, SL-0140 & 4EPG0049 keeps

Description	Order Code	Box Qty
3 Point Panic Bolt Set White/Green	503A-B/AD White	1
3 Point Panic Bolt Set Silver	503A-B/AD Silver	1
3 Point Panic Bolt Set Black	503A-B/AD Black	1

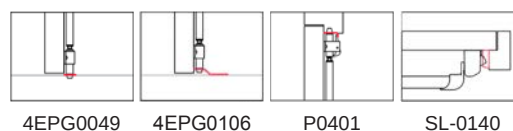
Outside Access Device



Suits profiles up to 72mm thick

Description	VBH Code	Box Qty
Lever Operated OAD with Cylinder White	4EPG0020	1
Lever Operated OAD with Cylinder Silver	4EPG0018	1
Lever Operated OAD with Cylinder Black	4EPG0019	1

Spare Keeps



Description	Order Code	Box Qty
Standard Bottom Shootbolt Keep Galvanised Steel	4EPG0049	1
Low Threshold Bottom Shootbolt Keep Galvanised Steel	4EPG0106	1
Frame Mounted Alu Bottom Shootbolt Keep	P0401	1
Pullman Centre Latch Keep White	SL-0140	1



Emergency Exit Hardware

Exidor

500 Series Panic Latch

Suitable for all aluminium profiles
 Supplied complete with keeps for aluminium doors
 Tested, certified and CE marked to BS EN1125 (Cross-Arms)
 Non handed for reduced stock holding
 Silver & white/green are standard colours (other RAL colours available to special order)
Push-Pad solution also available (classified to BS EN179) - Please enquire



522B/AD Cross-Arm Panic Latch 2 Point Locking



BS EN1125:2008 classification 37601322AA
 Locks via 2 horizontal pullman latches
 Includes SL-0142 keeps

Description	Order Code	Box Qty
2 Point Panic Latch Set White/Green	522-B/AD White	1
2 Point Panic Latch Set Silver	522-B/AD Silver	1
2 Point Panic Latch Set Black	522-B/AD Black	1

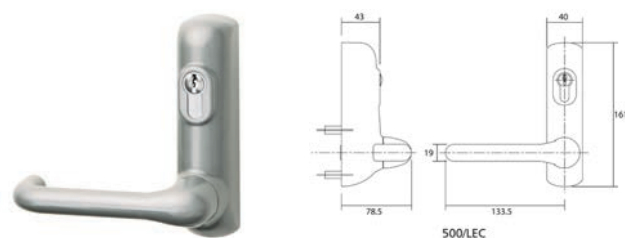
523B/AD Cross-Arm Panic Latch 3 Point Locking



BS EN1125:2008 classification 37601322AA
 Locks via 3 horizontal pullman latches
 Includes SL-0142 and SL0140 keeps

Description	Order Code	Box Qty
3 Point Panic Latch Set White/Green	523-B/AD White	1
3 Point Panic Latch Set Silver	523-B/AD Silver	1
3 Point Panic Latch Set Black	523-B/AD Black	1

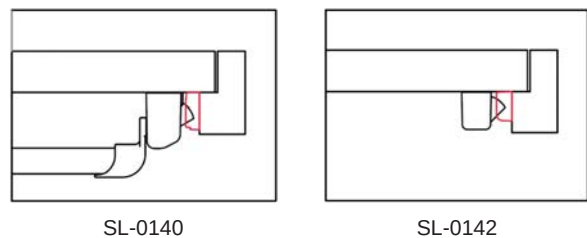
Outside Access Device



Suits profiles up to 72mm thick

Description	VBH Code	Box Qty
Lever Operated OAD with Cylinder White	4EPG0020	1
Lever Operated OAD with Cylinder Silver	4EPG0018	1
Lever Operated OAD with Cylinder Black	4EPG0019	1

Spare & Optional Keeps



SL-0140

SL-0142

Description	Order Code	Box Qty
Standard Pullman Centre Latch Keep	SL-0140	1
Horiz/Vert Pullman Latch Keep	SL-0142	1

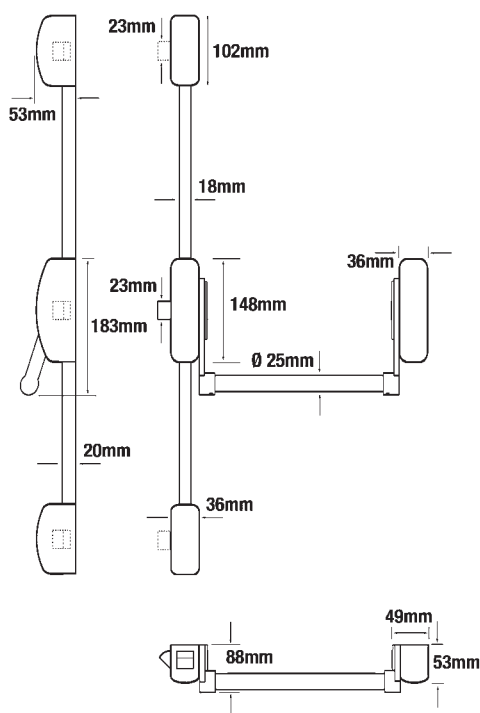
Double Doors
 Please contact the VBH Technical Department to confirm suitability of 500 Series for double doors on your aluminium system

Anti Panic

Suitable for aluminium, PVCu and timber single and double doors
Tested, certified and CE marked to BS EN1125:2008 (Cross-Arms)
Tested, certified and CE marked to BS EN1179:2008 (Push-Pads)
Silver and white available from stock
Other colours available to special order
Non-handed for reduced stock holding
Push-Pad features photoluminescent pad



Cross-Arm 1 & 3 Point Panic Latches

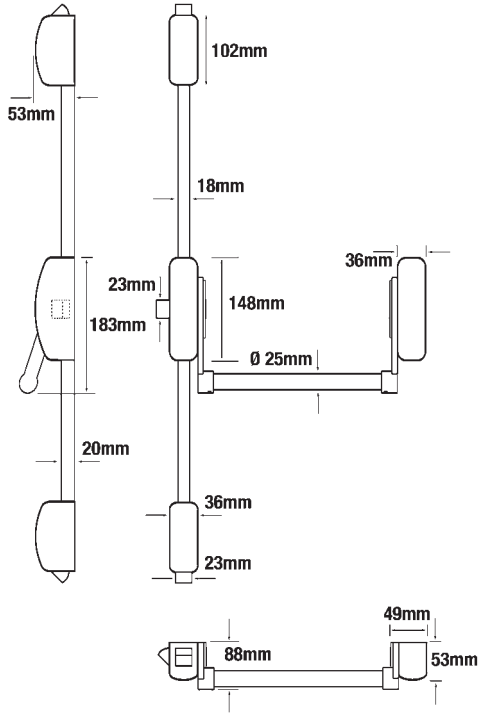


Classification No.377B1422AA

Description	VBH Code	Box Qty
1 Point Panic Latch Silver (Cross-Arm)	4QPG0001	1
1 Point Panic Latch White (Cross-Arm)	4QPG0002	1
3 Point Panic Latch Silver (Cross-Arm)	4QPG0011	1
3 Point Panic Latch White (Cross-Arm)	4QPG0012	1

Use frame striker for all latches

Cross-Arm 3 Point Panic Bolts



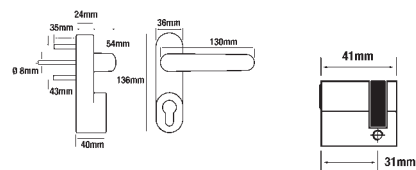
Classification No.377B1422AA

Centre latch can be blanked off to provide 2 point locking

Description	VBH Code	Box Qty
3 Point Panic Bolt Silver (Cross-Arm)	4QPG0021	1
3 Point Panic Bolt White (Cross-Arm)	4QPG0022	1

Use profile related striker for horizontal and vertical latches locking onto aluminium frame. Use floor striker 4QPG0123 for bottom vertical latch

Outside Access Device



Comprises lever handle and 31mm half profile cylinder. Operation of internal arm always overrides locked state to allow exit

Description	VBH Code	Box Qty
Outside Access Device Silver	4QPG0085	1
Outside Access Device White	4QPG0086	1
Outside Access Device Black	4QPG0087	1

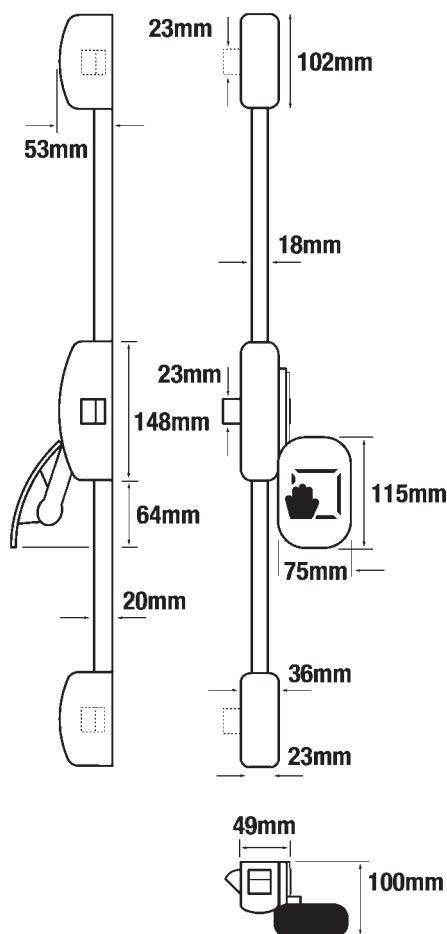
Striker Plates

Striker plates should be ordered separately. Please contact VBH or visit www.vbhgb.com for the correct codes for your system

Description	VBH Code	Box Qty
Floor Striker Stainless Steel	4QPG0123	1
Profile Related Striker	4QPG - - - -	1

If a double door kit is required simply order 1 x Panic Bolt AND 1 x Panic Latch

Push-Pad 1 & 3 Point Latches

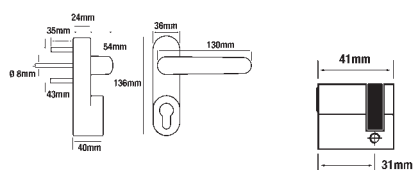


Classification No.377B1442BA

Description	VBH Code	Box Qty
1 Point Panic Latch Silver (Pad)	4QPG0031	1
1 Point Panic Latch White (Pad)	4QPG0032	1
3 Point Panic Latch Silver (Pad)	4QPG0041	1
3 Point Panic Latch White (Pad)	4QPG0042	1

Use frame strikers for all latches

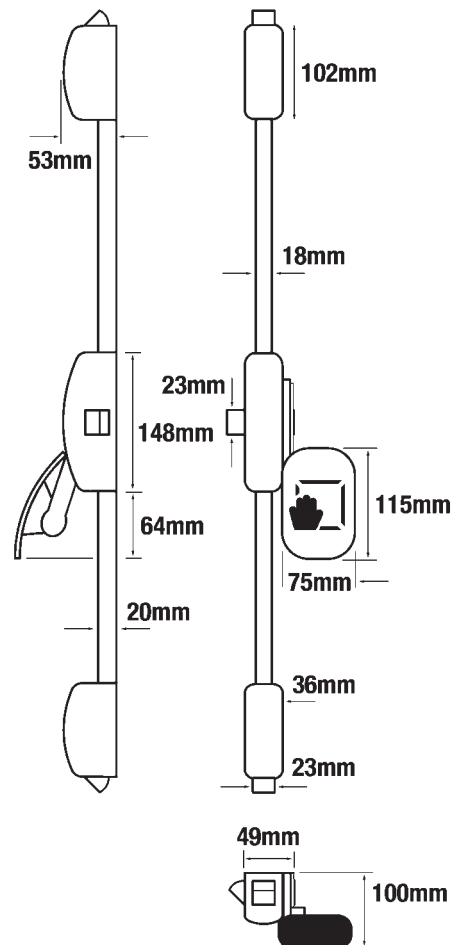
Outside Access Device



Comprises lever handle and 31mm half profile cylinder. Operation of internal pad always overrides locked state to allow exit

Description	VBH Code	Box Qty
Outside Access Device Silver	4QPG0085	1
Outside Access Device White	4QPG0086	1
Outside Access Device Black	4QPG0087	1

Push-Pad 3 Point Bolts



Classification No.377B1442BA

Centre latch can be blanked off to provide 2 point locking

Description	VBH Code	Box Qty
3 Point Panic Bolt Silver (Pad)	4QPG0051	1
3 Point Panic Bolt White (Pad)	4QPG0052	1

Use profile related striker for horizontal and vertical latches locking onto aluminium frame. Use floor striker 4QPG0123 for bottom vertical latch

Striker Plates

Striker plates should be ordered separately. Please contact VBH or visit www.vbhgb.com for the correct codes for your system

Description	VBH Code	Box Qty
Floor Striker Stainless Steel	4QPG0123	1
Profile Related Striker	4QPG - - - -	1

If a double door kit is required simply order 1 x Panic Bolt AND 1 x Panic Latch



Emergency Exit Hardware - Motorised Strand Antipanic

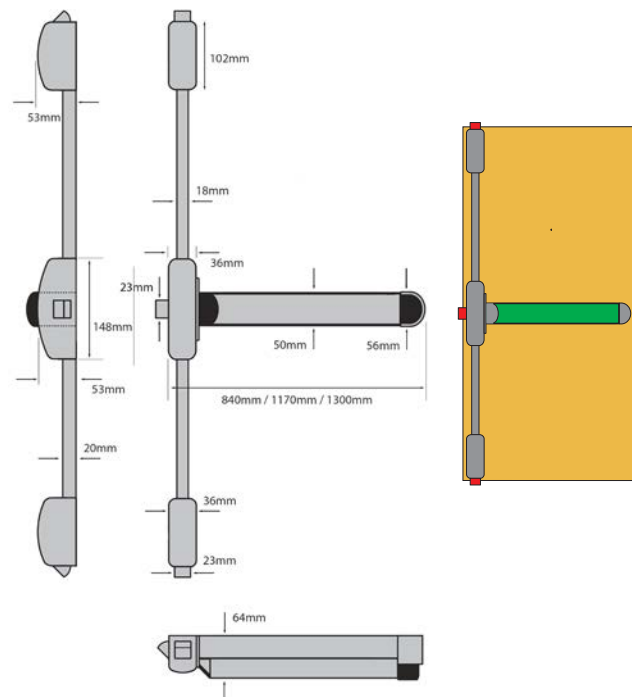
Motorised Touch Bar

- Tested, certified and CE marked to EN1125:2008 (Cross-Arms) - Classification 377B1422BA
- Range features full width touch bar and modular components
- Available in single point latch and 3 point latch or bolt options (centre latch can be blanked off for double doors)
- Standard 840mm bar suits door leaves up to 860mm (1170 & 1300mm versions also available for wider doors)
- Can be connected to an access control system for controlled access from outside (a basic Strand set is now available)
- Operates on 12-30V DC or 12-20V AC
- 1 amp power supply
- Non handed for reduced stock holding
- Silver, black & satin stainless steel plated are standard finishes. Other RAL colours & plated finishes are available to order
- Touchclean™ anti-bacterial coating is available to special order (ideal for hospital installations)
- Striker plates for aluminium doors should be ordered separately
- Dogging facility is not supplied as standard but can be ordered as a special (not to be used on fire/smoke door assemblies)
- Touch bars can be supplied with a microswitch to special order



Emergency Exit Hardware - Motorised Strand Anti Panic

3 Point Touch Bar Panic Bolt



Description	VBH Code	Box Qty
840mm Silver	PHTM5-03 EPS20	1
840mm Black	PHTM5-03 BGN81	1
840mm Satin Stainless Steel	PHTM5-03 SSSP44	1
1170mm Silver	PHTM5-13 EPS20	1
1170mm Black	PHTM5-13 BGN81	1
1170mm Satin Stainless Steel	PHTM5-13 SSSP44	1
1300mm Silver	PHTM5-23 EPS20	1
1300mm Black	PHTM5-23 BGN81	1
1300mm Satin Stainless Steel	PHTM5-23 SSSP44	1

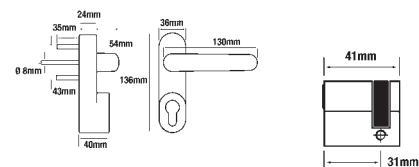
Striker Plates

Striker plates should be ordered separately. Please contact VBH or visit www.vbhgb.com for the correct codes for your system

Description	VBH Code	Box Qty
Floor Striker Stainless Steel	4SPG0334	1
Profile Related Striker	4SPG - - - -	1

If a double door kit is required simply order 1 x Panic Bolt AND 1 x Panic Latch

Outside Access Device

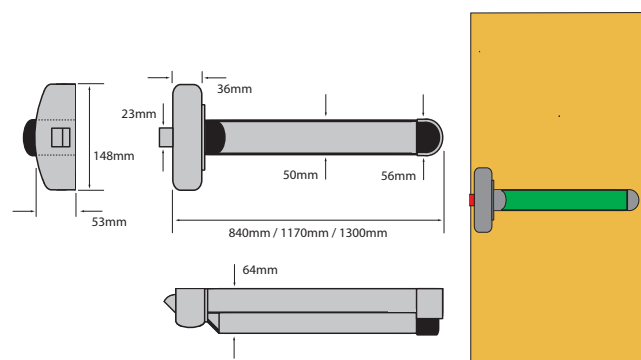


Comprises lever handle and 31mm half profile cylinder. Operation of internal pad always overrides locked state to allow exit

Description	VBH Code	Box Qty
Outside Access Device Silver	4SPG0318	1
Outside Access Device White	4SPG0319	1
Outside Access Device Black	4SPG0320	1

Emergency Exit Hardware - Motorised Strand Anti Panic

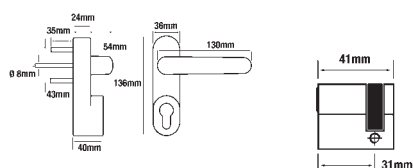
Single Point Touch Bar Panic Latch



Description	VBH Code	Box Qty
840mm Silver	PHTM0-03 EPS20	1
840mm Black	PHTM0-03 BGN81	1
840mm Satin Stainless Steel	PHTM0-03 SSSP44	1
1170mm Silver	PHTM0-13 EPS20	1
1170mm Black	PHTM0-13 BGN81	1
1170mm Satin Stainless Steel	PHTM0-13 SSSP44	1
1300mm Silver	PHTM0-23 EPS20	1
1300mm Black	PHTM0-23 BGN81	1
1300mm Satin Stainless Steel	PHTM0-23 SSSP44	1

Use PVCu Striker for all latches

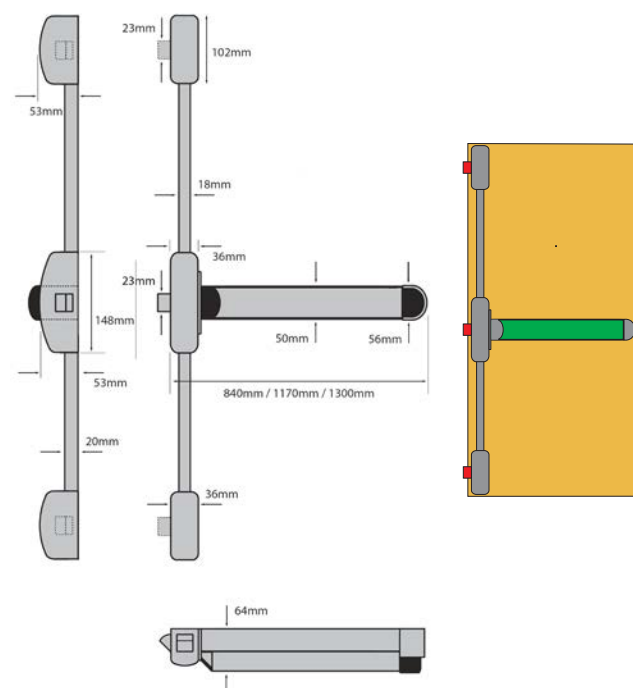
Outside Access Device



Comprises lever handle and 31mm half profile cylinder. Operation of internal arm always overrides locked state to allow exit

Description	VBH Code	Box Qty
Outside Access Device Silver	4SPG0318	1
Outside Access Device White	4SPG0319	1
Outside Access Device Black	4SPG0320	1

3 Point Touch Bar Panic Latch



Description	VBH Code	Box Qty
840mm Silver	PHTM7-03 EPS20	1
840mm Black	PHTM7-03 BGN81	1
840mm Satin Stainless Steel	PHTM7-03 SSSP44	1
1170mm Silver	PHTM7-13 EPS20	1
1170mm Black	PHTM7-13 BGN81	1
1170mm Satin Stainless Steel	PHTM7-13 SSSP44	1
1300mm Silver	PHTM7-23 EPS20	1
1300mm Black	PHTM7-23 BGN81	1
1300mm Satin Stainless Steel	PHTM7-23 SSSP44	1

Striker Plates

Striker plates should be ordered separately. Please contact VBH or visit www.vbhgb.com for the correct codes for your system

Description	VBH Code	Box Qty
Floor Striker Stainless Steel	4SPG0334	1
Profile Related Striker	4SPG - - - -	1

If a double door kit is required simply order 1 x Panic Bolt AND 1 x Panic Latch





Bi-Fold Door Hardware greenteQ

Clearspan

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.

Clearspan hardware is available in various finishes, depending on which system is used.

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

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 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
- 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

Our Technical Department is working on solutions for a number of profile systems. Please ask regarding Clearspan's suitability for yours.

Bi-Fold Door Hardware

greenteQ Clearspan Hardware for System AF70

Top Guide



Finish	VBH Code	Box Qty
White RAL9016	4QBF1201	10
Black RAL9005	4QBF1202	10
Anthracite Grey RAL7016	4QBF1203	10
Silber RAL7040	4QBF1204	10

Hinge with Pull Handle



Finish	VBH Code	Box Qty
White RAL9016	4QBF1271	25
Black RAL9005	4QBF1272	25
Anthracite Grey RAL7016	4QBF1273	25
Silber RAL7040	4QBF1274	25

Bottom Roller



Finish	VBH Code	Box Qty
White RAL9016	4QBF1231	10
Black RAL9005	4QBF1232	10
Anthracite Grey RAL7016	4QBF1233	10
Silber RAL7040	4QBF1234	10

Hinge



Finish	VBH Code	Box Qty
White RAL9016	4QBF1261	50
Black RAL9005	4QBF1262	50
Anthracite Grey RAL7016	4QBF1263	50
Silber RAL7040	4QBF1264	50

Accessories

Description	VBH Code	Box Qty
Fixing Kit	4QBF1281	1
Floating Block	4QBF1291	1



Attn VBH:

Please supply/quote for # hardware to suit the below specification
#Delete as appropriate



System AF70 greenteQ Clearspan Order/Quote Form

Which profile are you using?		System AF70			
Which scheme do you require?					
220*		321*		330	
431		440*			
541*		550		532*	
651		660*		633	
761*		770		752*	
What colour guides, rollers & hinges do you require?					
White		Black		Anthracite Grey	
				Silver Grey	
If Outward Open: Do you require hinges with Pull Handles?					
Yes		No			
If Yes, what colour hinges with pull handle do you require?					
White		Black		Anthracite Grey	
				Silver Grey	
Do you require turn handles for your intermediate locks?					
Yes (advise if SlimFold or CentreFold)		No			
If Yes, what colour handles do you require?					
If SlimFold, do you want them with or without a PZ hole?		With		Without	

Additional Parts (to be ordered separately)	VBH Code	Req.Qty
Fixing Kit (1 per Hinge, Roller & Guide Assembly)	4QBF1281	
Floating Block (4 required on the end door of even number – e.g. all schemes marked * above)	4QBF1291	

Extras: Please indicate which of the additional products listed below are required:

90° Door Restrictor				
Description	VBH Code	Quantity		
335mm Restrictor	2GBA0295			
500mm Restrictor	2GBA0296			
Magnetic Catch				
Colour	26mm	Quantity	65mm	Quantity
White	4QBF0031		4QBF0041	
Black	4QBF0032		4QBF0042	
Polished Chrome	4QBF0034		4QBF0044	
Satin Chrome	4QBF0035		4QBF0045	
Anthracite Grey	4QBF0037		4QBF0047	
Silver	4QBF0038		4QBF0048	

Please refer to the relevant pages for door handles and profile cylinders.

Company Name		Acc Number	
Email Address		Fax Number	
Contact Name		Order No	
Sign		Date:	

Email to sales@vbhgb.com or fax to your local sales office:

Gillingham	East Kilbride	Swansea
01634 263504	01355 239986	01792 798902

Bi-Fold Door Hardware

greenteQ Clearspan Hardware for System S1000

Top Guide and Bottom Roller



Description	White RAL9016	Black RAL9005	Anth.Grey RAL7016	Box Qty
Top Guide	4QBF1001	4QBF1002	4QBF1003	10
Bottom Roller	4QBF1031	4QBF1032	4QBF1033	10

Hinge



Description	White RAL9016	Black RAL9005	Anth.Grey RAL7016	Box Qty
Hinge	4QBF1061	4QBF1062	4QBF1063	50

Top Guide and Bottom Roller Half Set



Description	White RAL9016	Black RAL9005	Anth.Grey RAL7016	Box Qty
Top Guide	4QBF1011	4QBF1012	4QBF1013	10
Bottom Roller	4QBF1041	4QBF1042	4QBF1043	10

Hinge with Pull Handle



Description	White RAL9016	Black RAL9005	Anth.Grey RAL7016	Box Qty
Hinge with Pull	4QBF1071	4QBF1072	4QBF1077	25
Description	Black/PVD Gold	Black/Pol. Chrome	Black/Stn Chrome	Box Qty
Hinge with Pull	4QBF1073	4QBF1074	4QBF1075	25



Attn VBH:

Please supply/quote for * hardware to suit the below specification

*Delete as appropriate



System S1000 greenteQ Clearspan Order/Quote Form

Which profile are you using?		System S1000			
Which scheme do you require?					
220		321		330	
431		440			
541		550		532	
651		660		633	
761		770		752	
What colour guides, rollers & hinges do you require?					
White		Black		Anthracite Grey	
If Outward Open: Do you require hinges with Pull Handles?					
Yes		No			
If Yes, what colour hinges with pull handle do you require?					
White		White/ Pol.Chrome		Anthracite Grey	
Grey/ Satin Chrome		Grey/ Pol.Chrome		Black	
Black/ Satin Chrome		Black/ Pol.Chrome		Black/ Gold	
Do you require turn handles for your intermediate locks?					
Yes (advise if SlimFold or CentreFold				No	
If Yes, what colour handles do you require?					
If SlimFold, do you want them with or without a PZ hole?		With		Without	

Extras: Please indicate which of the additional products listed below are required:

Smart Hook Lock/Striker Kit			90° Door Restrictor		
Description	VBH Code	Quantity	Description	VBH Code	Quantity
LH Kit #	4QBF1021		335mm Restrictor	2GBA0295	
RH Kit #	4QBF1022		500mm Restrictor	2GBA0296	

assumes outward opening door viewed from outside. Use opposite hand if door is inward opening

Magnetic Catch				
Colour	26mm	Quantity	65mm	Quantity
White	4QBF0031		4QBF0041	
Black	4QBF0032		4QBF0042	
Polished Chrome	4QBF0034		4QBF0044	
Satin Chrome	4QBF0035		4QBF0045	
Anthracite Grey	4QBF0037		4QBF0047	
Silver	4QBF0038		4QBF0048	

Please refer to the relevant pages for door handles and profile cylinders.

Company Name		Acc Number	
Email Address		Fax Number	
Contact Name		Order No	
Sign		Date	

Email to sales@vbhgb.com or fax to your local sales office:

Gillingham	East Kilbride	Swansea
01634 263504	01355 239986	01792 798902



Patio Door Hardware

Roto and Siegenia

As well as our own greenteQ Clearspan hardware for aluminium bi-folding doors as detailed elsewhere in the catalogue, we also supply a number of other solutions for bi-fold, tilt/slide, inline slider and lift/slide doors from our partners Roto and Siegenia.

A list of the products available, along with a brief manufacturer's description, is shown below. Please contact us for further information.

Roto



Roto Inline
Hardware systems for simple sliding windows and doors



Roto Patio Fold
Premium hardware for fold & slide systems with a large surface



Roto Patio Lift
Standard hardware for large lift & slide doors



Roto Patio S
Standard hardware for tilt & slide windows and doors



Roto Patio Z
Standard hardware with positive control for tilt & slide windows and doors

Siegenia



Portal HS Alu
Lift & slide hardware with a barrier-free threshold



Portal PSK 160Plus Alu
Tilt & slide (PSK) hardware for versatile convenience and security



Portal FS Plus Alu
Fold & slide hardware for large openings and full flexibility

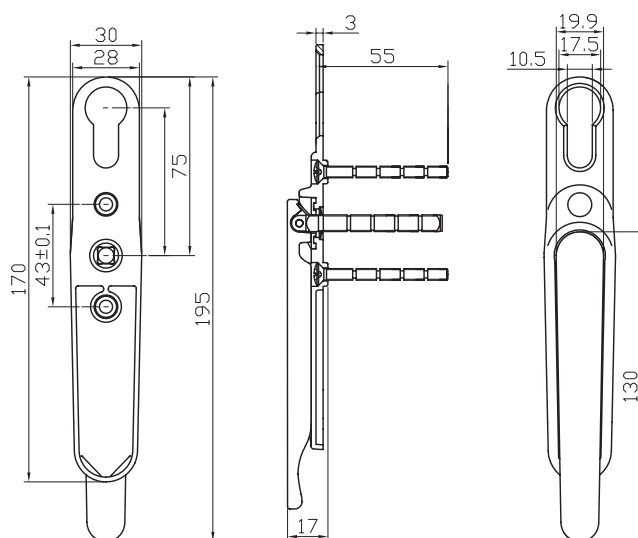


Portal CS Alu
Inline sliding hardware with an integrated lock indicator. Can be retro-fitted



Slim Turn Handles greenteQ

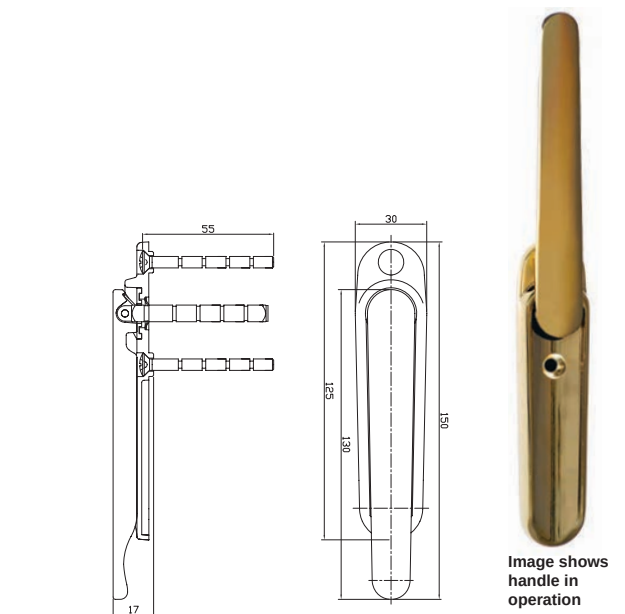
Clearline Slim Turn Handles with PZ



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

Finish	VBH Code	Box Qty
White	4QBF0011	40
Black	4QBF0012	40
Anthracite Grey	4QBF0018	40
Brown	4QBF0017	40
PVD Gold	4QBF0013	40
Pol. Chrome	4QBF0014	40
Satin Chrome	4QBF0015	40

Clearline Slim Turn Handles without PZ



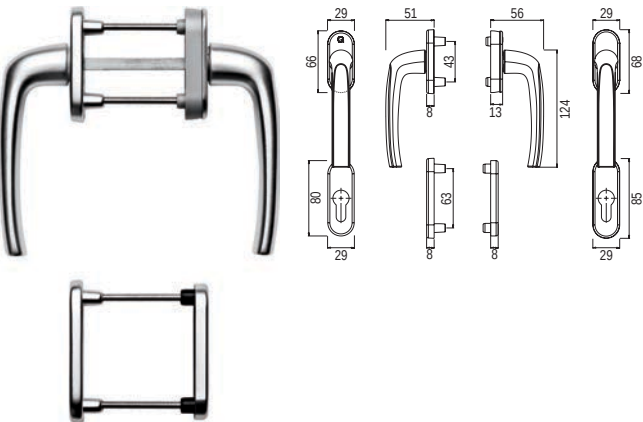
Slimline handle with 'Lift & Turn' technology
Ideal for bi-fold doors
Without cylinder hole (PZ)

Finish	VBH Code	Box Qty
White	4QBF0001	40
Black	4QBF0002	40
Anthracite Grey	4QBF0008	40
Brown	4QBF0007	40
PVD Gold	4QBF0003	40
Pol. Chrome	4QBF0004	40
Satin Chrome	4QBF0005	40

Tilt & Slide Handle Options

greenteQ

BTG10.GR.GR.AL Balcony Door Set



Consists of inner and outer levers and escutcheons
 Supplied with spindles and screws to suit doors from 63mm-73mm
 Longer screw/spindle sets can be ordered separately
 Features 10mm locating lugs
 5 year warranty

Finish	VBH Code	Box Qty
Silver F1	394.422/0100	1
Gold F3	394.422/0300	1
Brone F4	394.422/0400	1
Dark Silver F9	394.422/0900	1
Brown RAL8077	394.422/8077	1
White RAL9016	394.422/9016	1

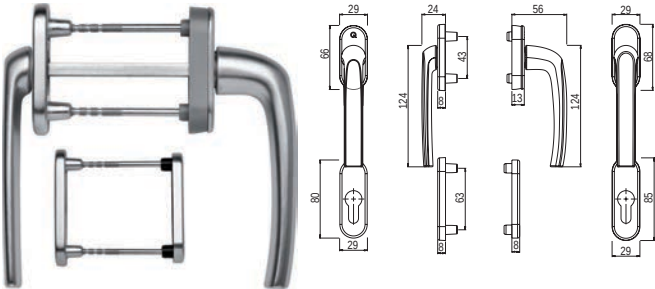
Accessory Set for BTG10.GR.GR.AL Balcony Door Set



For larger door thicknesses

Door Thickness	VBH Code	Box Qty
73-83mm	394.420/7383	1
83-93mm	394.420/8393	1

BTG10.Rollladen.AL Balcony Set with Slim External Lever



Consists of inner lever, slim outer lever and inner and outer escutcheons
 Supplied with spindles and screws to suit doors from 63mm-73mm
 Longer screw/spindle sets can be ordered separately
 Features 10mm locating lugs
 5 year warranty

Finish	VBH Code	Box Qty
Silver F1	394.419/0100	1
Gold F3	394.419/0300	1
Brone F4	394.419/0400	1
Dark Silver F9	394.419/0900	1
Brown RAL8077	394.419/8077	1
White RAL9016	394.419/9016	1

Accessory Set for BTG10.Rollladen.AL Balcony Door Set



For larger door thicknesses

Door Thickness	VBH Code	Box Qty
73-78mm	394.878/7378	1
78-83mm	394.878/7883	1
83-88mm	394.878/8388	1
88-93mm	394.878/8893	1

Tilt & Slide Handle Options

Hoppe Paris Internal/External Handle Set



Through fix

Finish	VBH Code	Box Qty
Silver Anodised (F1)	2HOP0832	10
Gold Anodised (F3)	2HOP0831	10
White	2HOP0833	10

Roto Rotoline Internal/External Handle Set



Through fix

Finish	VBH Code	Box Qty
Pair with Standard Outer Gold	5ROT5084	6
Pair with Standard Outer White	5ROT5083	6
Pair with Slim Outer Gold	5ROT5082	6
Pair with Slim Outer White	5ROT5193	6

Siegenia Internal/External Handle Set



Description	VBH Code	Box Qty
Handle Set Silver Anodised (F1)	4STS7182	10
Handle Set Gold Anodised (F3)	4STS7183	10
Handle Set White	4STS7180	10
Handle Set Brown	4STS7181	10
Handle Set Titanium	4STS7184	10
Spindle/Screw Set 55-64mm*	4STS7185	50
Spindle/Screw Set 65-74mm *	4STS7186	50
Spindle/Screw Set 75-84mm *	4STS7187	50

*Spindle/screw sets to be ordered separately

Hoppe Paris Internal Handle - Locking



Description	VBH Code	Box Qty
32mm SP Silver Anodised (F1)	2HOP0123	2
32mm SP Gold Anodised (F3)	2HOP0124	2
32mm SP White	2HOP0126	2
43mm SP Silver Anodised (F1)	2HOP0190	2
43mm SP Gold Anodised (F3)	2HOP0191	2
43mm SP White	2HOP0192	2
Spare Key	2HOP0129	100

Roto Rotoline Internal Handle Non-Locking



Finish	35mm SP	55mm SP	Box Qty
Silver	5ROT5088	5ROT5027	10
White	5ROT5098	5ROT5028	10
Bronze	5ROT5087	5ROT5026	10

Siegenia Slim Int Handle Non-Locking

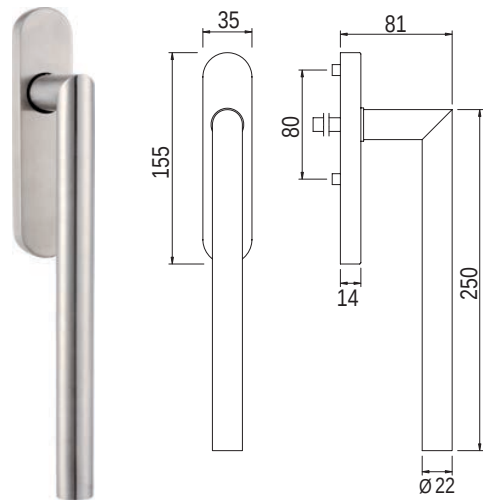


Description	VBH Code	Box Qty
50mm SP Silver Anodised (F1)	4STS7127	10
50mm SP White	4STS7125	10
50mm SP Brown	4STS7126	10

Patio Door Handles - Stainless Steel

greenteQ

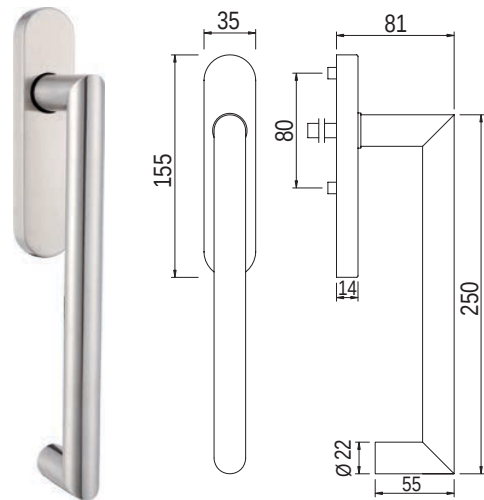
HSTG 61.ER Non-Locking



Locates at 180° interals
Works opposite HSTG finger pull
10mm x 95m spindle (supplied loose)
Features 10mm locating lugs
Supplied with M6 x 80mm screws
Matt brushed stainless steel

Description	VBH Code	Box Qty
Non-Locking Patio Lever	2QHB4012	1

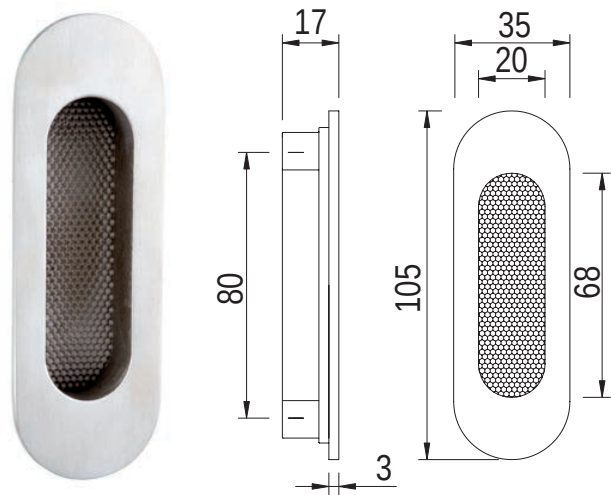
HSTG 80.ER Non-Locking



Locates at 180° interals
Works opposite HSTG finger pull
10mm x 95m spindle (supplied loose)
Features 8.5mm locating lugs
Supplied with M6 x 80mm screws
Matt brushed stainless steel

Description	VBH Code	Box Qty
Non-Locking Patio Lever	384.969/6500	1

HSTG Flush Pull



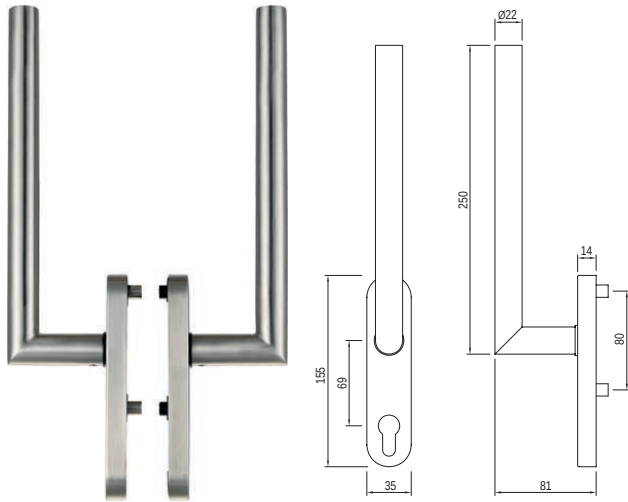
Flush pull for sliding door/window
Works opposite HSTG handle
80mm fixing centres to match HSTG handle
Accepts M6 screws (not included)
Matt brushed stainless steel

Description	VBH Code	Box Qty
Flush Finger Pull	2QHB4010	1

Patio Door Handles - Stainless Steel

greenteQ

HSTG 61.ER Lift/Slide Patio Door Internal/External Handle Set



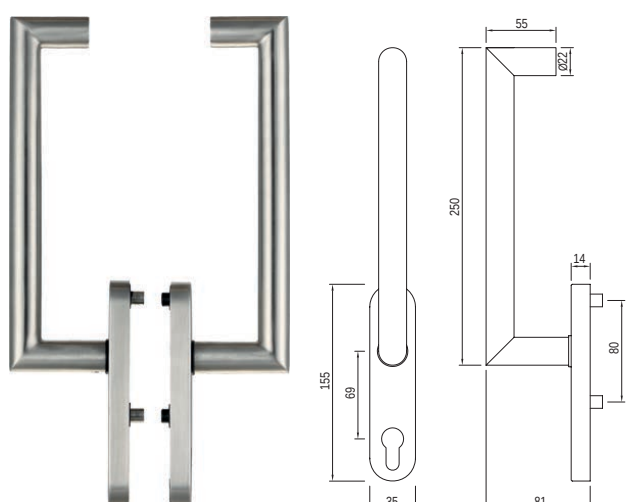
Locates at 180° intervals

Features 10mm locating lugs

Screw and spindle pack to be ordered separately according to door thickness (2 x 10mm x 95mm spindles and 2 x M6 screws)

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel Handle Set	2QHB4014	1
Spindle and Screw Set 70-80mm DT	2QHB4015	1
Spindle and Screw Set 80-90mm DT	2QHB4016	1

HSTG 80.ER PZ Lift/Slide Patio Door Internal/External Handle Set



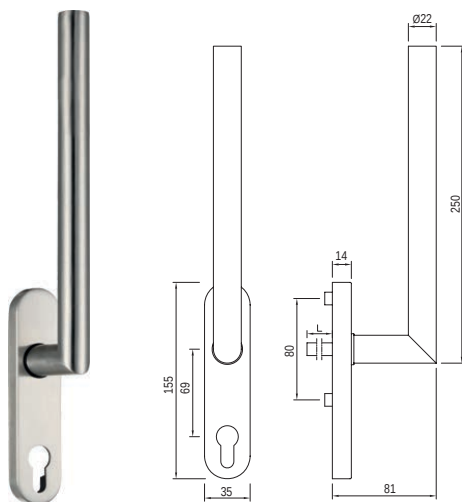
Locates at 180° intervals

Features 10mm locating lugs

Screw and spindle pack to be ordered separately according to door thickness (2 x 10mm x 95mm spindles and 2 x M6 screws)

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel Handle Set	399.430/6500	1
Spindle and Screw Set 70-80mm DT	399.431/6500	1
Spindle and Screw Set 80-90mm DT	399.433/6500	1

HSTG 61.ER PZ Lift/Slide Patio Door Handle - Locking



Locates at 180° intervals

Features 10mm locating lugs

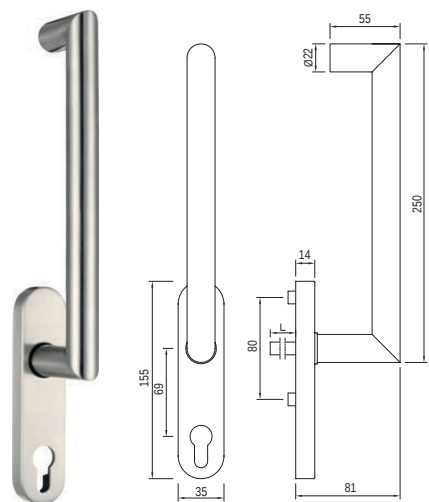
Features PZ cut out for use with lockable drive gears (69mm)

Includes 2 x 10mm x 95mm spindles and 2 x M6 screws

Patio handle set

Description	VBH Code	Box Qty
Matt brushed stainless steel	2QHB4013	1

HSTG 80.ER PZ Lift/Slide Patio Door Handle - Locking



Locates at 180° intervals

Features 10mm locating lugs

Features PZ cut out for use with lockable drive gears (69mm)

Includes 2 x 10mm x 95mm spindles and 2 x M6 screws

Works opposite HSTG finger pull

Patio handle set

Description	VBH Code	Box Qty
Matt brushed stainless steel	399.428/6500	1

Espagnolette Handles greenteQ

Alpha Inline - Locking



Inline locking
Key to lock
Push to release
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

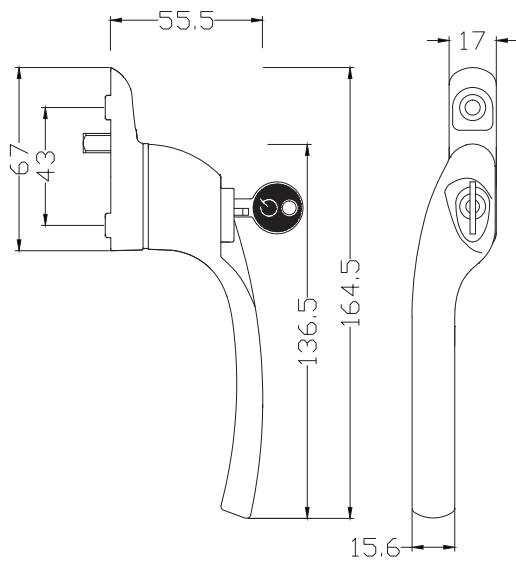
Accessories

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



Espagnolette Handles greenteQ

Alpha Offset - Locking



Offset locking
Key to lock
Push to release

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	



Espagnolette Handles

Securistyle

Virage Inline - Locking

Inline locking

Key to lock

Push to release

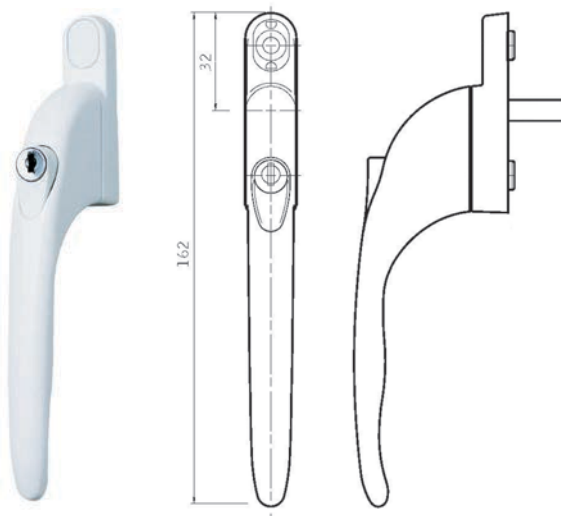
All handles supplied with key and cover caps

BBA Approved (Cert:17/5403)

Spindle Size	White	Brass	Box Qty
9mm	2SEH0071	2SEH0072	25
15mm	2SEH0073	2SEH0074	25
20mm	2SEH0075	2SEH0076	25
25mm	2SEH0077	2SEH0078	25
40mm	2SEH0081	2SEH0082	25
50mm	2SEH0085	-	25

Accessories

Description	White	Brass	Box Qty
Spare Cover Cap	2SEH0025	2SEH0026	100
Description	Spare Key		Box Qty
Spare Key	2SEH0027		100



Virage Offset - Locking

Offset locking

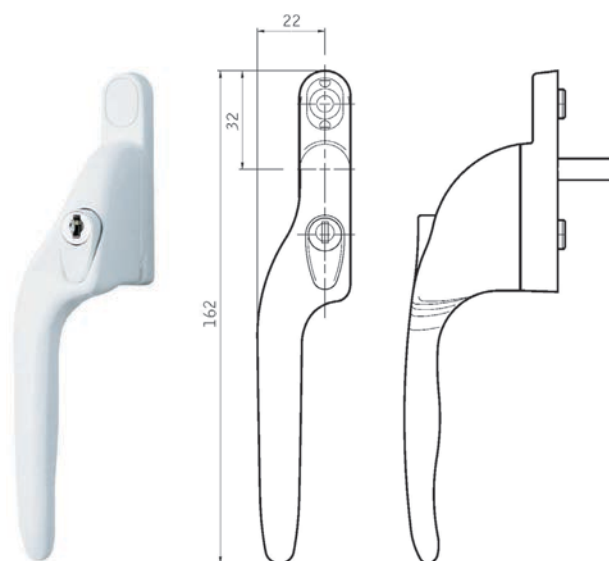
Key to lock

Push to release

All handles supplied with key and cover caps

BBA Approved (Cert:17/5403)

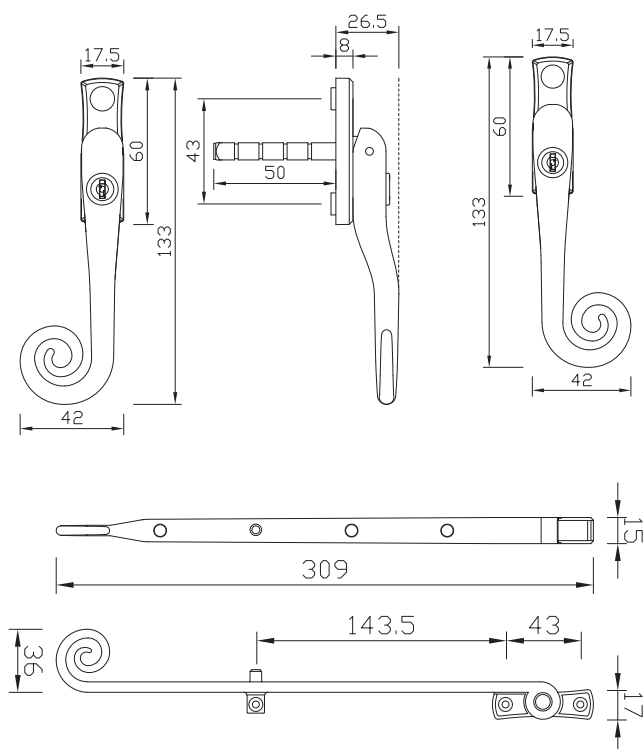
Spindle Size	White LH	White RH	Brass LH	Brass RH	Box Qty
9mm	2SEH0001	2SEH0002	2SEH0013	2SEH0014	25
12mm	2SEH0242	2SEH0243	2SEH0240	2SEH0241	25
15mm	2SEH0003	2SEH0004	2SEH0015	2SEH0016	25
25mm	2SEH0007	2SEH0008	2SEH0019	2SEH0020	25
30mm	2SEH0009	2SEH0010	2SEH0021	2SEH0022	25
40mm	2SEH0011	2SEH0012	2SEH0023	2SEH0024	25
Spindle Size	P.Chrome LH	P.Chrome RH	S.Chrome LH	S.Chrome RH	Box Qty
12mm	2SEH0244	2SEH0245	2SEH0040	2SEH0041	25
15mm	2SEH0204	2SEH0205	2SEH0267	2SEH0268	25
25mm	2SEH0252	2SEH0253	2SEH0273	2SEH0274	25
30mm	2SEH0256	2SEH0257	-	-	25
40mm	2SEH0260	2SEH0261	2SEH0275	2SEH0276	25



Accessories

Description	White	Brass	Box Qty
Spare Cover Cap	2SEH0025	2SEH0026	100
Description	Spare Key		Box Qty
Spare Key	2SEH0027		100

Other finishes and spindle lengths may be available - please enquire



greenteQ Monkey Tail Window Furniture



Monkey Tail Espagnolette Handle & Dummy Casement Stay

Everyone appreciates the comfort and performance of aluminium 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 Code	Box Qty
LH Monkey Tail Handle Black	2QEH6001	25
RH Monkey Tail Handle Black	2QEH6002	25
Dummy Monkey Tail Casement Stay	2QEH6021	25

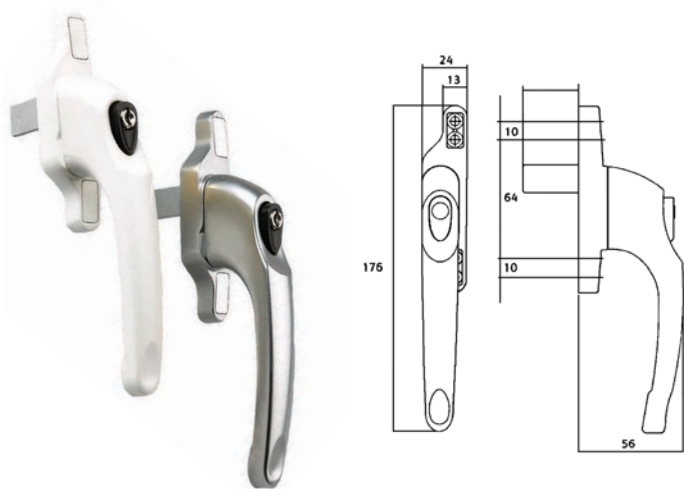
Espagnolette Handles

Tongue Drive

Cadenza - Locking

Offset
Autolock

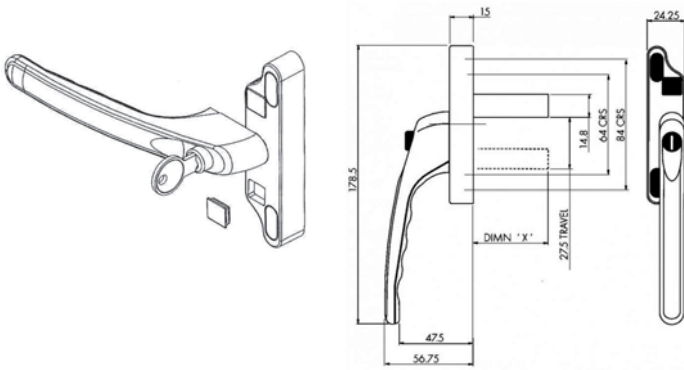
Tongue Length	White LH	White RH	S.Chrome LH	S.Chrome RH	Box Qty
18mm	2CEG0252	2CEG0253	2CEG0256	2CEG0257	25
48mm	2CEG0250	2CEG0251	2CEG0254	2CEG0255	25



Winlock Odyssey - Locking

Offset
Can be easily reversed - reduced stock-holding
Autolock
48mm tongue (others available to special order)

Tongue Length	White RH	Silver RH	Black RH	Box Qty
48mm	2WIN0507	2WIN0501	2WIN0513	25



Alpha - Locking

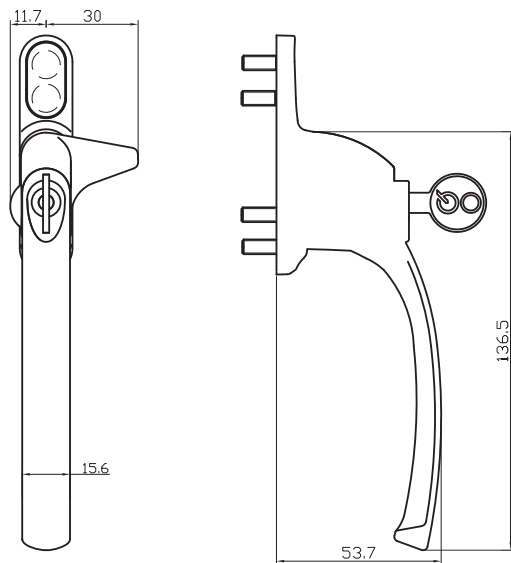


Image shows 12mm upstand handle



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

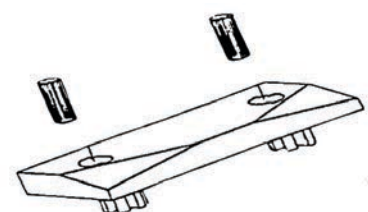
Accessories

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	White	Black	Box Qty
Easy Fix Wedge 3mm	2QCH2018	2QCH2017	100
Easy Fix Wedge 4mm	2QCH2016	2QCH2015	100
Easy Fix Wedge 5mm	2QCH2014	2QCH2013	100



Cockspur Handles

Securistyle

Virage - Locking

Offset

Key to lock

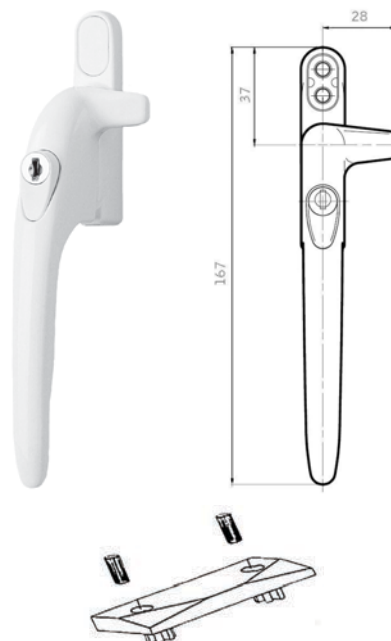
Push to release

All handles supplied with key and cover caps

Upstand	White LH	White RH	Brass LH	Brass RH	Box Qty
9mm	2SEH0108	2SEH0109	2SEH0106	2SEH0107	25
21mm	2SEH0100	2SEH0101	2SEH0102	2SEH0103	25
Upstand	Silver LH	Silver RH	Black LH	Black RH	Box Qty
9mm	2SEH0110	2SEH0111	2SEH0112	2SEH0113	25

Accessories

Description	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
Spare Cover Cap	2SEH0116	2SEH0115	100
Description	VBH Code	Box Qty	
Spare Key	2SEH0027	100	



Virage - Non-locking

Offset

Non-locking

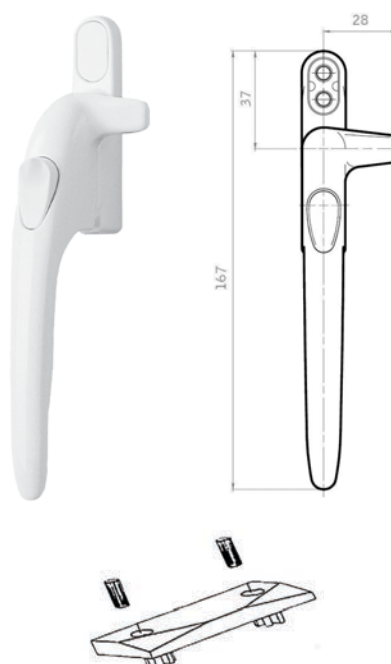
Push to release

All handles supplied with cover caps

Upstand	White LH	White RH	Silver LH	Silver RH	Box Qty
9mm	2SEH0121	2SEH0122	2SEH0123	2SEH0124	25
21mm	2SEH0131	2SEH0132	#	#	25

Accessories

Description	White	Black	Box Qty
Easy Fix Wedge 3mm	2QCH2018	2QCH2017	100
Easy Fix Wedge 4mm	2QCH2016	2QCH2015	100
Easy Fix Wedge 5mm	2QCH2014	2QCH2013	100



Shootbolt Espagnolettes

Maco

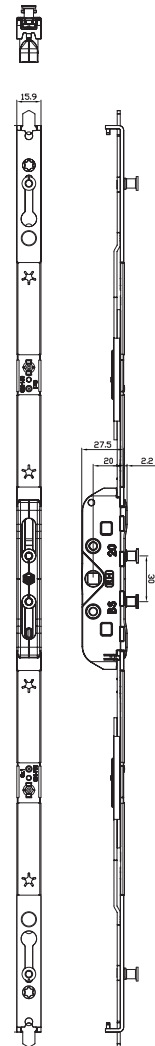
M-SPAG

Telescopic product for easy handling & quick, accurate fitting
 Reduced stock-holding through 5 telescopic sizes & 1 croppable size
 M-PACK packaging
 Exceeds current security requirements (PAS024:2012)
 Approved under MACO Secure Plus guarantee scheme
 Streamlined system for a neat installed finish
 Silver-look surface treatment tested to 480 hours neutral salt spray test
 320 – 1500mm application range
 Fits standard & French casement windows
 Works with Maco centre locks on tall top hung sashes
 Can be fitted with handle offset to bottom in hard to reach installations (195mm)
 Utilises standard Maco mushroom, shootbolt & Combi-Strikers
 10 year Maco warranty

Description	Sash Rebate Size (mm)	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
Size 0 Crop. Gear**	320-600	1	2MSP0017	2MSP0018	2MSP0019	2MSP0020	10
Size 0 Shallow Extension	320-600	0	2MSP0021	2MSP0021	2MSP0021	2MSP0021	20
or							
Size 0 Deep Extension	320-600	0	2MSP0035	2MSP0035	2MSP0035	2MSP0035	20
Size 0 Telescopic	501-600	3	2MSP1030	2MSP1031	2MSP1032	2MSP1033	10
Size 1 Telescopic	601-700	3	2MSP1001	2MSP1005	2MSP1009	2MSP1013	10
Size 2 Telescopic	701-900	3	2MSP1002	2MSP1006	2MSP1010	2MSP1014	10
Size 3 Telescopic	901-1200	3	2MSP1003	2MSP1007	2MSP1011	2MSP1015	10
Size 4 Telescopic	1201-1500	3	2MSP1004	2MSP1008	2MSP1012	2MSP1016	10

Striker Plates***

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - - -	200
Shootbolt Striker (Link with mushroom striker in corner)	2MSE - - - -	200
Combi Striker (Combined mushroom/shootbolt striker)	2MSE - - - -	100



*MB denotes quantity of mushroom striker plates required
 **Use with shallow groove or deep groove shootbolt extensions
 ***Contact VBH or visit www.vbhgb.com for profile related parts specification

Shootbolt Espagnolettes

Maco

Mk 1

Tested to PAS024:2012

Approved under MACO Secure Plus guarantee scheme

Secured By Design approved

Silver-look surface treatment tested to 480 hours neutral salt spray test

Also available in Tricoat enhanced protection treatment, which provides increased corrosion resistance in coastal and industrial applications

10 year Maco warranty

Description	Sash Rebate Size (mm)	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
Gearbox			2MSE2001	2MSE2002	2MSE2001	2MSE2002	40
Gearbox (with screw spacers)			2MSE2031	2MSE2032	2MSE2031	2MSE2032	40
Single Extension	320-400	0	2MSE2510	2MSE2510	2MSE2510	2MSE2510	40
Single Extension	401-800	1	2MSE2015	2MSE2015	2MSE2018	2MSE2018	40
Single Extension	801-1100	2	2MSE2016	2MSE2016	2MSE2019	2MSE2019	40
Single Extension	1101-1400	2	2MSE2017	2MSE2017	2MSE2020	2MSE2020	40
N.B If offset handle height position is required then fit the following extensions above handle							
Gear Extension 250mm		1	2MSE2022	2MSE2022	2MSE2021	2MSE2021	20

Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - - -	200
Shootbolt Striker (Link with mushroom striker in corner)	2MSE - - - -	200
Combi Striker (Combined mushroom/shootbolt striker)	2MSE - - - -	100
Stabilizing Plate	2MSE - - - -	200



Refer to VBH for availability of Tricoat finish (extra corrosion resistance)

*MB denotes quantity of mushroom striker plates required

**Contact VBH or visit www.vbhgb.com for profile related parts specification



Shootbolt Espagnolettes

Maco

Mach II - Rapid Fix

No cropping required

Tested to PAS024:2012

Approved under MACO Secure Plus guarantee scheme

Secured By Design approved

Silver-look surface treatment tested to 480 hours neutral salt spray test

10 year Maco warranty

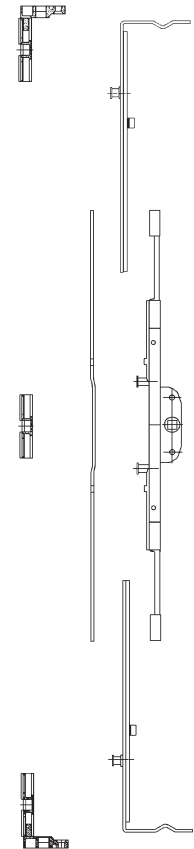
Description	Sash Rebate Size (mm)	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
Gearbox		1	2MSE2501	2MSE2502	2MSE2503	2MSE2504	20
Single Extension	500-600	0	2MSE2511	2MSE2511	2MSE2511	2MSE2511	40
Single Extension	601-700	1	2MSE2512	2MSE2512	2MSE2522	2MSE2522	40
Single Extension	701-800	1	2MSE2513	2MSE2513	2MSE2523	2MSE2523	40
Single Extension	801-900	1	2MSE2514	2MSE2514	2MSE2524	2MSE2524	40
Single Extension	901-1000	1	2MSE2515	2MSE2515	2MSE2525	2MSE2525	40
Single Extension	1001-1100	1	2MSE2516	2MSE2516	2MSE2526	2MSE2526	40
Single Extension	1101-1200	1	2MSE2517	2MSE2517	2MSE2527	2MSE2527	40
Single Extension	1201-1300	1	2MSE2518	2MSE2518	2MSE2528	2MSE2528	40
Single Extension	1301-1400	1	2MSE2519	2MSE2519	2MSE2529	2MSE2529	20

N.B If offset handle height position is required then fit the following extensions above handle

Gear Extension 250mm		1	2MSE2022	2MSE2022	2MSE2021	2MSE2021	20
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Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - - -	200
Shootbolt Striker (Link with mushroom striker in corner)	2MSE - - - -	200
Combi Striker (Combined mushroom/shootbolt striker)	2MSE - - - -	100
Stabiliz ng Plate	2MSE - - - -	200



Mach II - Croppable

Extensions must be cropped to size

Tested to PAS024:2012

Approved under MACO Secure Plus guarantee scheme

Secured By Design approved

Silver-look surface treatment tested to 480 hours neutral salt spray test

10 year Maco warranty

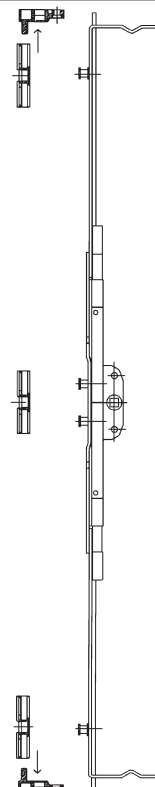
Description	Sash Rebate Size (mm)	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
Gearbox		1	2MSE2505	2MSE2506	2MSE2507	2MSE2508	20
Single Extension	382-450	0	2MSE2510	2MSE2510	2MSE2510	2MSE2510	40
Single Extension	451-920	1	2MSE2015	2MSE2015	2MSE2018	2MSE2018	40
Single Extension	801-1100	1	2MSE2542	2MSE2542	2MSE2552	2MSE2552	40
Single Extension	1101-1400	1	2MSE2543	2MSE2543	2MSE2553	2MSE2553	40

N.B If offset handle height position is required then fit the following extensions above handle

Gear Extension 250mm		1	2MSE2022	2MSE2022	2MSE2021	2MSE2021	20
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Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - - -	200
Shootbolt Striker (Link with mushroom striker in corner)	2MSE - - - -	200
Combi Striker (Combined mushroom/shootbolt striker)	2MSE - - - -	100
Stabiliz ng Plate	2MSE - - - -	200



Refer to VBH for availability of Tricoat finish (extra corrosion resistance)

*MB denotes quantity of mushroom striker plates required

**Contact VBH or visit www.vbhgb.com for profile related parts specification

Shootbolt Espagnolettes Yale

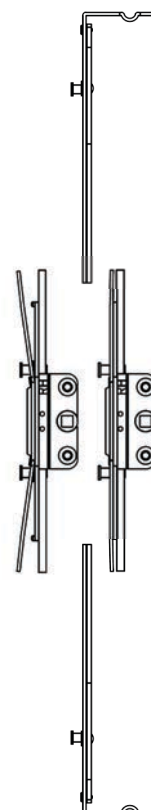
Shootbolt - Standard Croppable

Secured By Design approved
Sash rebate size 326-1420mm
Corrosion resistance to EN1670:2007 Grade 4
10 Year Yale Security & Mechanical Guarantee

Description	Sash Rebate Size (mm)	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
Gearbox	326-1420	2	2YSE2505	2YSE2506	2YSE2507	2YSE2508	40
Single Extension 0	326-474	0	2YSE2511	2YSE2511	2YSE2511	2YSE2511	40
Single Extension 3	368-820	1	2YSE2514	2YSE2514	2YSE2524	2YSE2524	40
Single Extension 5	708-1120	1	2YSE2516	2YSE2516	2YSE2526	2YSE2526	40
Single Extension 7	970-1420	1	2YSE2518	2YSE2518	2YSE2528	2YSE2528	40

Striker Plates**

Description	VBH Code	Box Qty
Mushroom N/V Striker	2YSE - - - -	200
Shootbolt Striker LH	2YSE - - - -	200
Shootbolt Striker RH	2YSE - - - -	200



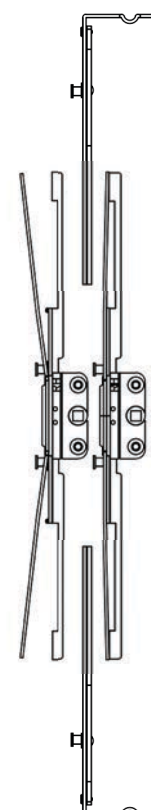
Shootbolt - Non Crop

Secured By Design approved
Sash rebate size 476-1520mm
Extendable version speeds up fitting time and reduces waste
Corrosion resistance to EN1670:2007 Grade 4
10 Year Yale Security & Mechanical Guarantee

Description	Sash Rebate Size (mm)	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
Gearbox	476-1520	2	2YSE2501	2YSE2502	2YSE2503	2YSE2504	40
Single Extension 0	476-624	0	2YSE2511	2YSE2511	2YSE2511	2YSE2511	40
Single Extension 1	520-670	1	2YSE2512	2YSE2512	2YSE2522	2YSE2522	40
Single Extension 2	671-820	1	2YSE2513	2YSE2513	2YSE2523	2YSE2523	40
Single Extension 3	821-970	1	2YSE2514	2YSE2514	2YSE2524	2YSE2524	40
Single Extension 4	971-1120	1	2YSE2515	2YSE2515	2YSE2525	2YSE2525	40
Single Extension 5	1121-1270	1	2YSE2516	2YSE2516	2YSE2526	2YSE2526	40
Single Extension 6	1271-1420	1	2YSE2517	2YSE2517	2YSE2527	2YSE2527	40
Single Extension 7	1421-1520	1	2YSE2518	2YSE2518	2YSE2528	2YSE2528	40

Striker Plates**

Description	VBH Code	Box Qty
Mushroom N/V Striker	2YSE - - - -	200
Shootbolt Striker LH	2YSE - - - -	200
Shootbolt Striker RH	2YSE - - - -	200



*MB denotes quantity of mushroom striker plates required
**Contact VBH or visit www.vbhgb.com for profile related parts specification



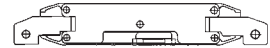
Shootbolt Espagnolettes greenteQ

Viper Bi-Part Mk2

Offset Drive

Stainless Steel

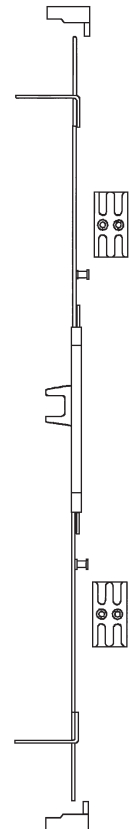
Description	VBH Code	Box Qty
LH - 21mm Fork	2VSE0001	100
RH - 21mm Fork	2VSE0002	100
LH - 18mm Fork	2VSE0003	100
RH - 18mm Fork	2VSE0004	100
LH - 16mm Fork	2VSE0005	100
RH - 16mm Fork	2VSE0006	100



Single Extensions

Stainless Steel

Length	Sash Rebate Size (mm)	No of MB	No of SBR*	6mm MB Height	8mm MB Height	10mm MB Height	Box Qty
175mm	390-490	1	1	2VSE0010	#	2VSE0030	25
225mm	491-590	1	1	2VSE0011	#	2VSE0031	25
275mm	591-690	1	1	2VSE0012	#	2VSE0032	25
325mm	691-790	1	1	2VSE0013	#	2VSE0033	25
375mm	791-890	1	2	2VSE0014	#	2VSE0034	25
425mm	891-990	1	2	2VSE0015	#	2VSE0035	25
475mm	991-1090	1	2	2VSE0016	#	2VSE0036	25
525mm	1091-1190	2	2	2VSE0017	#	2VSE0037	25
575mm	1191-1290	2	2	2VSE0018	#	2VSE0038	25
625mm	1291-1390	2	2	2VSE0019	#	2VSE0039	25
675mm	1391-1490	2	2	2VSE0020	#	2VSE0040	25
725mm	1491-1590	2	3	#	#	2VSE0041	25
775mm	1591-1690	2	3	#	#	2VSE0042	25



Striker Plates**

Description	VBH Code	Box Qty
Night Vent Striker	2WAH - - - -	200
Shootbolt Guides (2 Per Window)	2VSE0101	200
Shootbolt End Striker	2WAH - - - -	200
Stainless Steel Screw Bush Retainers	2CEG0113	100
Moulded Screw Bush Retainers	2VSE0100	100

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

*SBR refers to quantity of screw bush retainers required per extension

**Contact VBH or visit www.vbhgb.com for profile related parts specification

To be used with Tongue Drive handles. See handle section.

Perimeter Locking Casement Hardware

Roto

TSH30 Perimeter Locking Casement Hardware

Roto's modular system that enables locking points to be positioned up the side of tall top hung casement windows

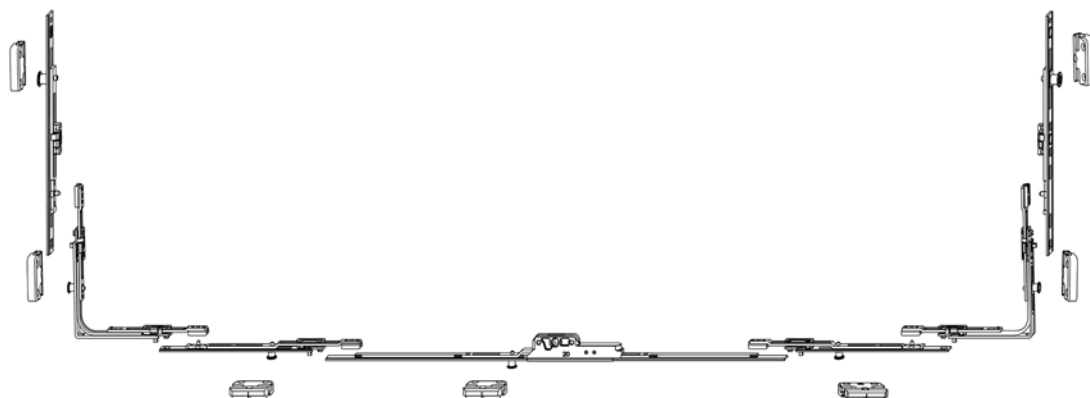
Handle-side Components

Description	Sash Rebate Size (mm)	MB #	20BS	22BS	25BS	Quantity Per set	Box Qty
TSH30 Gearbox	244-1820	1	5RNT3501	5RNT3502	5RNT3503	1	10
Corner Drive Short	402-586	1	5RNT0004	5RNT0004	5RNT0004	2	10
Corner Drive Normal	587-1820	1	5RNT0003	5RNT0003	5RNT0003	2	10
Gear Extension 200	1021-1420	0	5RNT0019	5RNT0019	5RNT0019	2	22
Centre Lock 400	1421-1820	1	5RNT0035	5RNT0035	5RNT0035	2	10
Centre Lock 600 Conn	1421-1820	1	5RNT0034	5RNT0034	5RNT0034	2	22

Hinge-side Components

Description	Min Distance	MB #	VBH Code	Quantity Per set	Box Qty
Centre Lock 200	310	1	5RNT0031	2	10
Centre Lock 400	520	1	5RNT0032	2	10
Centre Lock 600	730	1	5RNT0033	2	10

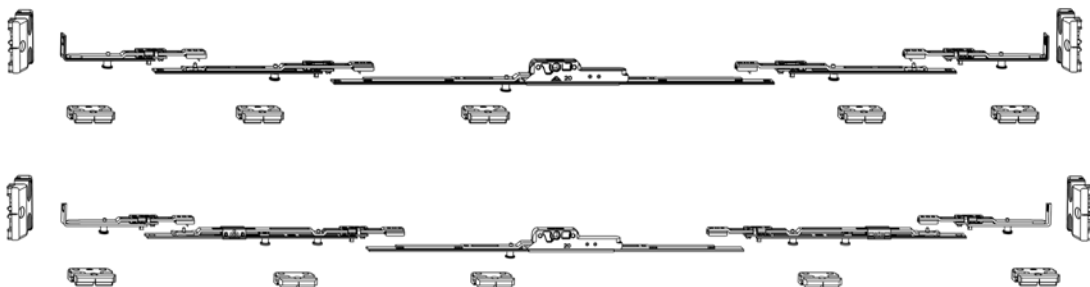
*Denotes minimum distance required from bottom of Eurogroove to bottom of friction stay



Striker Plates*

Description	VBH Code	Box Qty
Mushroom Striker LH	5RNT - - - -	100
Mushroom Striker RH	5RNT - - - -	100

TSH30 can also be fitted with standard shootbolt extensions for handle side locking only, or with TSL Twin-cam Security Locking linkages for even better security. Please enquire for further details.



#Denotes quantity of mushroom bolts per item

*Contact VBH or visit www.vbhgb.com for profile related parts specification



Enhanced Security Window Locking Systems

Maco

RAIL

Secured By Design approved

RAIL is also available in Tricoat and Tricoat Plus enhanced surface protection treatments, providing increased corrosion resistance in coastal and industrial applications (see below)

Standard Silver Finish

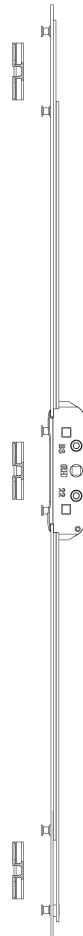
Length	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	22BS 10.5MB	Box Qty
200mm	1	2WES1101	2WES1107	2WES1113	2WES1119	2WES1131	10
400mm	2	2WES1102	2WES1108	2WES1114	2WES1120	2WES1132	10
600mm	2	2WES1103	2WES1109	2WES1115	2WES1121	2WES1133	10
800mm	3	2WES1104	2WES1110	2WES1116	2WES1122	2WES1134	10
1000mm	3	2WES1105	2WES1111	2WES1117	2WES1123	2WES1135	10
1200mm	3	2WES1106	2WES1112	2WES1118	2WES1124	2WES1136	10

Tricoat

Length	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	20BS 10.5MB	22BS 10.5MB	Box Qty
200mm	1	2WES1201	2WES1207	2WES1213	2WES1219	2WES1225	2WES1231	10
400mm	2	2WES1202	2WES1208	2WES1214	2WES1220	2WES1226	2WES1232	10
600mm	2	2WES1203	2WES1209	2WES1215	2WES1221	2WES1227	2WES1233	10
800mm	3	2WES1204	2WES1210	2WES1216	2WES1222	2WES1228	2WES1234	10
1000mm	3	2WES1205	2WES1211	2WES1217	2WES1223	2WES1229	2WES1235	10
1200mm	3	2WES1206	2WES1212	2WES1218	2WES1224	2WES1230	2WES1236	10

Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - - -	200



RAIL Reach - Low Handle Height

Standard silver finish

Secured By Design approved

RAIL Reach is also available in Tricoat and Tricoat Plus enhanced surface protection treatments, providing increased corrosion resistance in coastal and industrial applications

Reach features a low handle height (185mm) for installations with difficult access

Length	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
600mm	2	2WES1153	2WES1159	2WES1171	2WES1177	10
800mm	3	2WES1154	2WES1160	2WES1172	2WES1178	10
1000mm	3	2WES1155	2WES1161	2WES1173	2WES1179	10
1200mm	3	2WES1156	2WES1162	2WES1174	2WES1180	10

Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - - -	200



*MB denotes quantity of mushroom striker plates required

**Contact VBH or visit www.vbhgb.com for profile related parts specification

Enhanced Security Window Locking Systems

Roto - TSL

Silver finish
Flat 16mm faceplate
Tested to PAS024:2012

Length	MB*	20BS 8MB*	22BS 8MB*	20BS 9.5MB*	22BS 9.5MB*	20BS 10.5MB*	22BS 10.5MB*	Box Qty
300mm	1	2RWE4501	2RWE4521	2RWE4511	2RWE4531	2RWE4551	2RWE4541	10
400mm	2	2RWE4502	2RWE4522	2RWE4512	2RWE4532	2RWE4552	2RWE4542	10
600mm	2	2RWE4503	2RWE4523	2RWE4513	2RWE4533	2RWE4553	2RWE4543	10
800mm	4	2RWE4504	2RWE4524	2RWE4514	2RWE4534	2RWE4554	2RWE4544	10
900mm	4	2RWE4505	2RWE4525	2RWE4515	2RWE4535	2RWE4555	2RWE4545	10
1000mm	4	2RWE4506	2RWE4526	2RWE4516	2RWE4536	2RWE4556	2RWE4546	10
1100mm	4	2RWE4507	2RWE4527	2RWE4517	2RWE4537	2RWE4557	2RWE4547	10
1200mm	4	2RWE4508	2RWE4528	2RWE4518	2RWE4538	2RWE4558	2RWE4548	10

Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2RWE - - - - or 2WWE - - - -	200

TSL is also available with an offset/low handle position (205mm) - please enquire



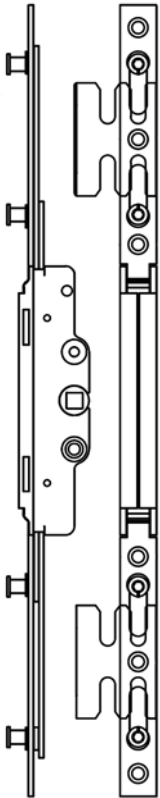
Yale - Encloser

Secured By Design approved
Corrosion resistance to EN1670:2007 Grade 4
10 Year Yale Security & Mechanical Guarantee
10.5mm mushroom bolt version available to special order

Length	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
250mm	2	2YSE1001	2YSE1011	2YSE1021	2YSE1031	10
350mm	2	2YSE1002	2YSE1012	2YSE1022	2YSE1032	10
550mm	2	2YSE1003	2YSE1013	2YSE1023	2YSE1033	10
750mm	3	2YSE1004	2YSE1014	2YSE1024	2YSE1034	10
900mm	3	2YSE1005	2YSE1015	2YSE1025	2YSE1035	10
1050mm	3	2YSE1006	2YSE1016	2YSE1026	2YSE1036	10
1200mm	3	2YSE1007	2YSE1017	2YSE1027	2YSE1037	10

Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2YSE - - - -	200



*MB denotes quantity of mushroom striker plates required
**Contact VBH or visit www.vbhgb.com for profile related parts specification

Mushroom Bolt Espagnolettes greenteQ

Epsilon - ALU

Silver finish

Offset gear box

Flat 13mm faceplate

All espags come complete with screw bush retainers

To be used with a tongue drive handle. See handle section

Length	MB*	12.5BS 5.6MB	17BS 5.6MB	13BS 7.5MB	15BS 7.5MB	Box Qty
250mm	2	2INE0010	2INE0058	2INE0153	2INE0002	50
400mm	2	2INE0011	2INE0059	2INE0154	2INE0003	50
600mm	2	2INE0012	2INE0060	2INE0155	2INE0004	50
800mm	3	2INE0013	2INE0061	2INE0156	2INE0005	50
1000mm	3	2INE0014	2INE0062	2INE0157	2INE0006	50
1200mm	3	2INE0015	2INE0063	2INE0158	2INE0007	50

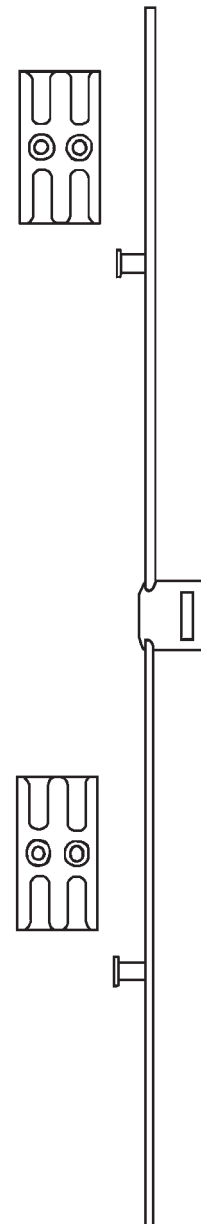
Length	MB*	16BS 9.5MB	Box Qty
250mm	2	2INE0090	50
400mm	2	2INE0091	50
600mm	2	2INE0092	50
800mm	3	2INE0093	50
1000mm	3	2INE0094	50
1200mm	3	2INE0095	50

Striker Plates**

Description	VBH Code	Box Qty
Profile Related Mushroom Striker	2WAH - - - -	200

Accessories

Description	VBH Code	Box Qty
Spare screw Bush Retainers 3.8mm	2INE0114	100



*MB denotes quantity of mushroom striker plates required

**Contact VBH or visit www.vbhgb.com for profile related parts specification

Outward Opening Window Espagnolettes

greenteQ - Window Espagnolette

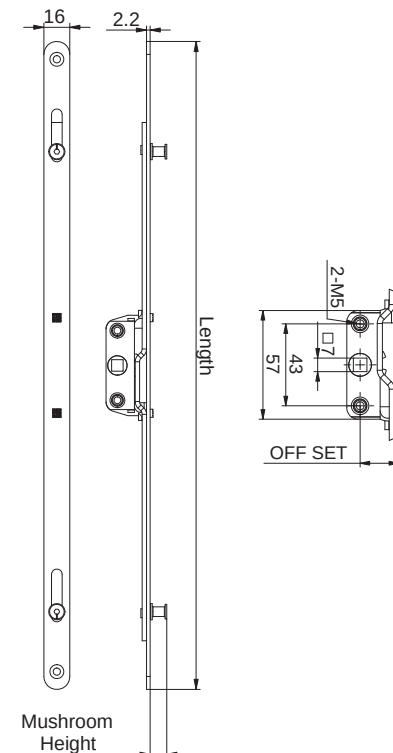
Inline gearbox

Flat 16mm faceplate for Eurogroove fit

Length	No of MB	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	Box Qty
250mm	2	2QWE1198	2QWE1174	2QWE1210	2QWE1204	10
400mm	2	2QWE1199	2QWE1175	2QWE1211	2QWE1205	10
600mm	2	2QWE1200	2QWE1176	2QWE1212	2QWE1206	10
800mm	2	2QWE1201	2QWE1177	2QWE1213	2QWE1207	10
1000mm	3	2QWE1202	2QWE1178	2QWE1214	2QWE1208	10
1200mm	3	2QWE1203	2QWE1179	2QWE1215	2QWE1209	10

Striker Plates**

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



Roto - K-GTR

Silver finish

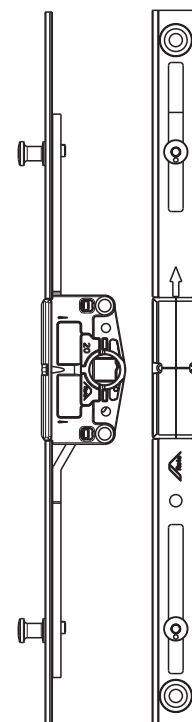
Inline gearbox

16mm NT faceplate for Eurogroove fit

Length	MB*	20BS 8MB	22BS 8MB	20BS 9.5MB	22BS 9.5MB	Box Qty
240mm	2	2RWE3151	2RWE3157	2RWE3163	2RWE3169	10
400mm	2	2RWE3152	2RWE3158	2RWE3164	2RWE3170	10
600mm	2	2RWE3153	2RWE3159	2RWE3165	2RWE3171	10
800mm	2	2RWE3154	2RWE3160	2RWE3166	2RWE3172	10
1000mm	3	2RWE3155	2RWE3161	2RWE3167	2RWE3173	10
1200mm	3	2RWE3156	2RWE3162	2RWE3168	2RWE3174	10

Striker Plate**

Description	VBH Code	Box Qty
Mushroom Striker	2RWE - - - - or 2WWE - - - -	100



*MB denotes quantity of mushroom striker plates required

**Contact VBH or visit www.vbhgb.com for profile related parts specification



Mushroom Bolt Espagnolettes Maco

Inline

Silver finish

Inline gearbox

Flat 16mm faceplate for Eurogroove fit

Also available in Tricoat. Tricoat is an enhanced surface treatment providing increased corrosion resistance in coastal and industrial applications. Refer to VBH for further information.

Length	MB*	20BS 7.7MB	22BS 7.7MB	20BS 9MB	22BS 9MB	22BS 10.5MB	Box Qty
100mm	1	2WES2197	2WES2249	2WES2248	2WES2250	-	20
260mm	2	2WES2198	2WES2174	2WES2210	2WES2204	-	20
400mm	2	2WES2199	2WES2175	2WES2211	2WES2205	2WES2257	20
600mm	2	2WES2200	2WES2176	2WES2212	2WES2206	2WES2258	20
800mm	2	2WES2201	2WES2177	2WES2213	2WES2207	2WES2259	20
1000mm	3	2WES2202	2WES2178	2WES2214	2WES2208	2WES2260	20
1200mm	3	2WES2203	2WES2179	2WES2215	2WES2209	-	20

Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - -	200



Offset

Silver finish

Offset gearbox

Flat 16mm faceplate

Can be surface fitted (no Eurogroove required)

Also available in Tricoat. Tricoat is an enhanced surface treatment providing increased corrosion resistance in coastal and industrial applications. Refer to VBH for further information.

Length	MB*	20BS 7.7MB	25BS 7.7MB	20BS 9MB	25BS 9MB	Box Qty
310mm	2	2WES2186	2WES2192	2WES2180	2WES2233	20
400mm	2	2WES2187	2WES2193	2WES2181	2WES2234	20
600mm	2	2WES2188	2WES2194	2WES2182	2WES2235	20
800mm	2	2WES2189	2WES2195	2WES2183	2WES2236	20
1000mm	3	2WES2190	2WES2196	2WES2184	2WES2237	20
1200mm	3	2WES2191	2WES2173	2WES2185	57174	20

Striker Plates**

Description	VBH Code	Box Qty
Mushroom Striker	2WES - - -	200



Refer to VBH for availability of Tricoat finish (extra corrosion resistance)

*MB denotes quantity of mushroom striker plates required

**Contact VBH or visit www.vbhgb.com for profile related parts specification

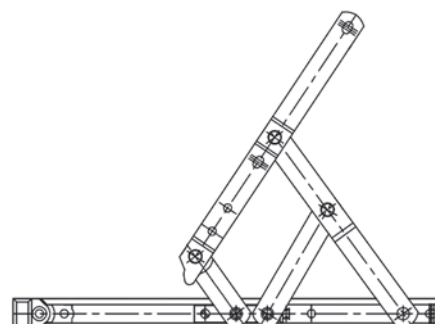
Friction Stays - Standard

greenteQ - Delta

Standard - Top Hung

Sold in pairs

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
8"	1200	300	10	62°	2QFH1001	2QFH1031	50
10"	1200	450	16	90°	2QFH1002	2QFH1032	50
12"	1200	600	21	86°	2QFH1003	2QFH1033	25
16"	1200	750	22	83°	2QFH1004	2QFH1034	25
20"	1200	900	24	42°	2QFH1005	2QFH1035	25
24"	1200	1500	50	38°	2QFH1006	2QFH1036	25



Standard - Side Hung

Sold in pairs

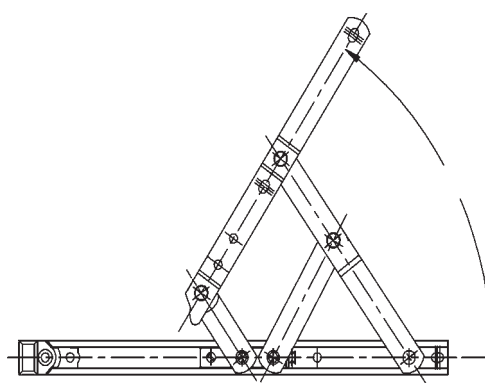
Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
12"	650	1250	20	60°	2QFH1003	2QFH1033	25
16"	700	1300	28	48°	2QFH1004	2QFH1034	25

Cotswold - Sinindex

Standard - Top Hung

Sold in pairs

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
8"	1200	300	10	62°	2COT1501	2COT1551	50
10"	1200	450	16	90°	2COT1502	2COT1552	50
12"	1200	600	21	86°	2COT1503	2COT1553	25
16"	1200	750	22	83°	2COT1504	2COT1554	25
20"	1200	900	24	42°	2COT1505	2COT1555	25
24"	1200	1500	50	38°	2COT1506	2COT1556	25



Standard - Side Hung

Sold in pairs

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
12"	650	1250	20	60°	2COT1510	2COT1560	25
16"	700	1300	28	52°	2COT1511	2COT1561	25

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



Friction Stays - Standard Securistyle

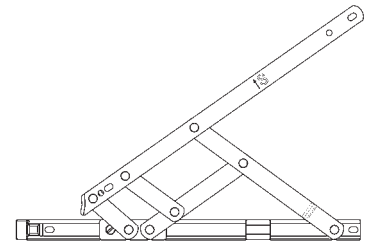
Defender

Standard - Top Hung

Sold in pairs

18mm track width

Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	16mm Stack	17mm Stack	Box Qty
8"	200	350	12	65°	2SEC0330	2SEC0163	2SEC0331	25
10"	275	400	16	80°	2SEC0011	2SEC0179	2SEC0171	25
12"	350	550	20	80°	2SEC0012	2SEC0164	2SEC0172	25
16"	500	780	21	80°	2SEC0013	2SEC0165	2SEC0173	25
20"	700	1100	26	50°	2SEC0014	2SEC0166	2SEC0174	25
24"	850	1300	40	37.5°	2SEC0015	2SEC0167	2SEC0175	25
24" HD	850	1500	50	27°	2SEC0321	#	2SEC0322	25



Standard - Side Hung

Sold in pairs

18mm track width

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	16mm Stack	17mm Stack	Box Qty
8"	200	400	18	65°	2SEC0330	2SEC0163	2SEC0331	25
12"	300	600	22	60°	2SEC0016	2SEC0168	2SEC0176	25
16"	400	700	24	60°	2SEC0017	2SEC0169	2SEC0177	25

Slimline - Top Hung

Sold in pairs

15.5mm track width

Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	Box Qty
8"	200	350	12	65°	2SEC0051	25
10"	275	400	16	80°	2SEC0052	25
12"	350	550	20	80°	2SEC0053	25
16"	500	780	21	80°	2SEC0054	25
20"	700	1100	26	50°	2SEC0055	25
24"	850	1300	40	37.5°	2SEC0056	25
24" HD	850	1500	50	27°	#	25

Slimline - Side Hung

Sold in pairs

15.5mm track width

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	Box Qty
8"	200	400	18	65°	#	25
12"	300	600	22	60°	2SEC0057	25
16"	400	700	24	60°	2SEC0058	25

Defender Plus Heavy Duty (Austenitic Stainless Steel) - Top Hung

Sold in pairs

Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	16mm Stack	17mm Stack	Box Qty
24"	850	1500	50	32°	2SEC0502	2SEC0504	2SEC0506	25

Defender Plus Heavy Duty (Austenitic Stainless Steel) - Side Hung

Sold in pairs

Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	16mm Stack	17mm Stack	Box Qty
16"	400	1000	40	60°	2SEC0501	#	2SEC0505	25

It is the responsibility of the window manufacturer to ensure that the finished window meets any required safety and performance specifications.
This is not a stock item. We MAY be able to obtain it on a special order basis. Please ask.

Friction Stay - Standard Yale

Yale Window Hinge

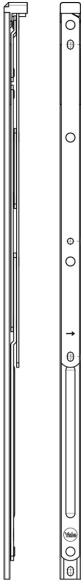
Sold in pairs
 BBA Approved (Cert:17/5404)
 10 Year Yale Guarantee

Standard - Top Hung

Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle +/-2.5°	13-14mm Cavity	16-18mm Cavity	Box Qty
8"	200	350	12	60°	2YFH0101	2YFH0131	25
10"	275	400	16	58°	2YFH0102	2YFH0132	25
12"	350	550	20	65°	2YFH0103	2YFH0133	25
16"	500	780	21	52°	2YFH0104	2YFH0134	25
20"	700	1000	24	42°	2YFH0105	2YFH0135	25
24"	850	1200	35	38°	2YFH0106	2YFH0136	25

Standard - Side Hung

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle +/-2.5°	13-14mm Cavity	16-18mm Cavity	Box Qty
8"	200	400	18	60°	2YFH0101	2YFH0131	25
12"	300	600	22	65°	2YFH0107	2YFH0137	25
16"	400	700	24	60°	2YFH0108	2YFH0138	25



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

Friction Stay - Restricted Security

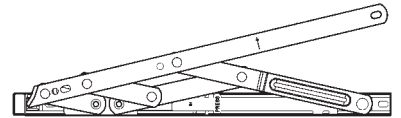
Defender

Restricted - Top Hung

Sold in pairs

18mm track width

Ferritic stainless steel (BS EN10088-2 Grade 1.4016 - was Grade 430)*



Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	Restricted Angle	13mm Stack	16mm Stack	17mm Stack	Box Qty
12"	350	550	20	65°	14°	2SEC0120	2SEC0250	2SEC0232	25
16"	500	780	21	59°	10°	2SEC0018	2SEC0243	2SEC0233	25
20"	700	1100	26	50°	7°	2SEC0019	2SEC0244	2SEC0234	25
24"	850	1300	40	37.5°	6°	2SEC0020	2SEC0266	2SEC0235	25

Restricted - Side Hung

Sold in pairs consisting of 1 x restricted stay and 1 x opposite hand non-restricted stay

18mm track width

Ferritic stainless steel (BS EN10088-2 Grade 1.4016 - was Grade 430)*

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	Restricted Angle	13mm Stack LH	13mm Stack RH	Box Qty
12"	300	600	22	58°	13°	2SEC0383	2SEC0384	50
16"	400	700	24	58°	11°	2SEC0385	2SEC0386	50

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	Restricted Angle	16mm Stack LH	16mm Stack RH	17mm Stack LH	17mm Stack RH	Box Qty
12"	300	600	22	58°	13°	TBA	TBA	2SEC0391	2SEC0392	50
16"	400	700	24	58°	11°	TBA	TBA	2SEC0393	2SEC0394	50

*Available in Grade 1.4301 (was Grade 304) Austenitic Stainless Steel

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

Friction Stays

Egress / Easy Clean & Egress Only

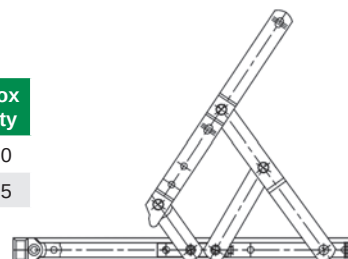
greenteQ - Delta

Egress / Easy Clean - Side Hung

Sold in pairs

Nylon end caps

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
12"	600	1200	18	85°	2QFH1011	2QFH1041	50
16"	600	1200	21	85°	2QFH1012	2QFH1042	25



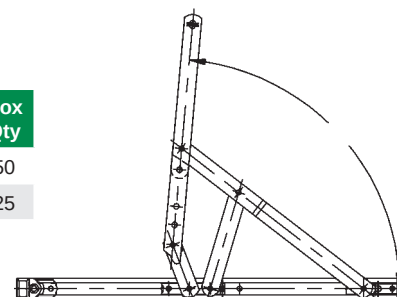
Cotswold

Egress Only - Side Hung

Sold in pairs

Nylon end caps

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
10"	500	1200	18	80°	2COT1518	2COT1519	50
16"	600	1200	21	84°	2COT1018	2COT1525	25



EZ Egress / Easy Clean - Side Hung

Sold in pairs

Nylon end caps

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	17mm Stack	Box Qty
12"	600	1200	18	85°	2COT1526	2COT1527	50
16"	650	1200	21	89°	2COT1522	2COT1523	25
12" Add.Grub Screw	600	1200	18	85°	2COT1536	2COT1537	50
16" Add.Grub Screw	650	1200	21	89°	2COT1532	2COT1533	25

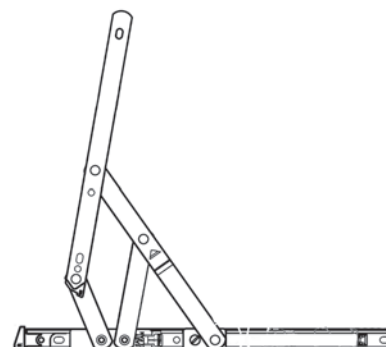


Securistyle

Enhanced Egress / Easy Clean - Side Hung

Sold in pairs

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	13mm Stack	16mm Stack	17mm Stack	Box Qty
12"	300	600	22	80°	2SEC0367	2SEC0369	2SEC0370	25
16"	400	700	24	90°	2SEC0371	2SEC0373	2SEC0374	25



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



Friction Stay Egress / Easy Clean & Egress Only

Yale Window Hinge

Sold in pairs

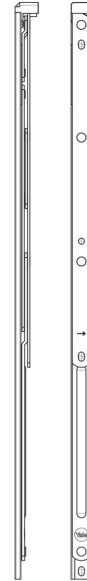
10 Year Guarantee

Egress - Side Hung

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle +/-2.5°	13-14mm Cavity	16-17mm Cavity	17-18mm Cavity	Box Qty
12"	300	600	22	81°	2YFH0109	2YFH0139	2YFH0159	25
16"	400	700	24	84°	2YFH0110	2YFH0140	2YFH0160	25

Egress/Easy Clean - Side Hung

Size	Min. Sash Width (mm)	Max. Sash Width (mm)	Max Sash Weight Kg	Max. Angle +/-2.5°	13-14mm Cavity	16-17mm Cavity	17-18mm Cavity	Box Qty
12"	300	600	22	81°	2YFH0111	2YFH0141	2YFH0161	25
16"	400	700	24	84°	2YFH0112	2YFH0142	2YFH0162	25



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

Friction Stays - Heavy Duty

greenteQ Heavy Duty Restricted & Standard

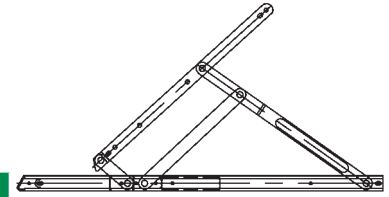
Restricted heavy duty friction stay can be restricted to 3 opening angles
Conforms to BS EN 8213 minimum 95mm gap for window cleaning (profile dependent)
Corrosion resistance meets requirements of BS EN 7412:1991

Sold in pairs

For 16-17mm cavities

Top Hung

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angles	VBH Code	Box Qty
10" Restricted	2000	650	50/40	50°/84°	2QFH1061	25
16" Restricted	2000	800	100/55/50	30°/50°/90°	2QFH1062	25
22" Standard	-	1500	100/80	20°/40°	2QFH1064	20



Side Hung

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angles	VBH Code	Box Qty
10" Restricted	660	1524	34.5	50°/84°	2QFH1061	25
16" Restricted	762	1619	42	30°/50°/90°	2QFH1062	25
16" Restricted	700	1600	60/60/42	30°/50°/90°	2QFH1062	25

Cotswold Heavy Duty Restricted & Standard

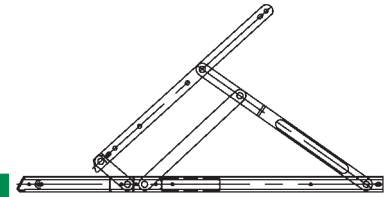
Restricted heavy duty friction stay can be restricted to 3 opening angles
Conforms to BS EN 8213 minimum gap for window cleaning (profile dependent)
Corrosion resistance meets requirements of BS EN 7412:1991

Sold in pairs

For 16-17mm cavities

Top Hung

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angles	VBH Code	Box Qty
10" Restricted	2000	650	50/40	50°/84°	2COT0045	25
16" Restricted	2000	800	100/55/50	30°/50°/90°	2COT0046	25
22" Restricted	2000	1500	100/80/75	20°/45°/90°	2COT0047	20
26" Standard	2000	2000	100	20°	2COT0048	10



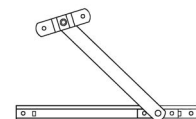
Side Hung

Size	Max Sash Width (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angles	VBH Code	Box Qty
10"	660	1524	34.5	50°/84°	2COT0045	25
16"	762	1619	60/60/42	30°/50°/90°	2COT0046	25
16"	700	1600	60/60/42	30°/50°/90°	2COT0046	25

Additional Restrictors

It is recommended that all sashes weighing in excess of 32kg are fitted with 2 additional restrictors.

Size	VBH Code	Box Qty
10" Restrictor 13mm Stack	2COT0020	100
10" Restrictor 17mm Stack	2COT0021	100



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



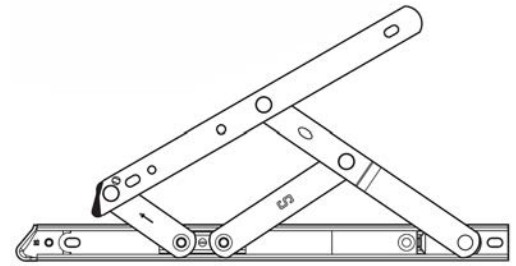
Friction Stays - Heavy Duty Securistyle

Sterling

Sold in pairs
Up to 180Kg sash weight
16mm stack height
12 year Securistyle guarantee

Top Hung

Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	VBH Code	Box Qty
10"	270	640	40	50°	2SEC1043	25
12"	640	800	50	50°	2SEC1044	25
16"	800	1100	65	50°	2SEC1045	25
16" W	800	1100	65	50°	2SEC1046	25
16" HD*	600	1100	100	30°	2SEC1047	25
22"*	1100	1500	100	45°	2SEC1069	20
22"W*	1500	2000	100	20°	2SEC1048	20
26"*	2000	2500	180	20°	2SEC1049	10



Side Hung

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	16mm Stack	Box Qty
10"	300	660	38	85°	2SEC1051	25
16"	450	840	55	60°	2SEC1052	25

Accessories

Description	VBH Code	Box Qty
S7280 Cam Adjustment Device	2SEC1070	25pr

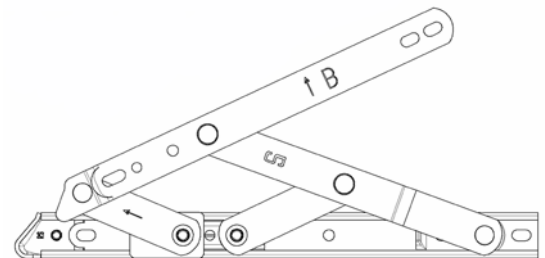
*Sashes over 100Kg must be fitted with cam adjustment device 2SEC1070. This is optional on lighter sashes. Separate restrictors may be required to hold large sashes open in vent position

Storm Balanced

Sold in pairs
304** austenitic stainless steel construction
16mm stack height
12 year Securistyle guarantee

Top Hung

Size	Min Sash Height (mm)	Max Sash Height (mm)	Max Sash Weight Kg	Max Angle	VBH Code	Box Qty
10"	267	635	37	50°	2SEC0291	25
12"	635	787	45	50°	STORMB12	25
16"	787	1090	55	50°	2SEC0292	25
22"	1090	1500	75	45°	2SEC0293	20
26"	1270	2200	120	20°	2SEC0294	10



Side Hung

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	VBH Code	Box Qty
10"	280	665	38	80°	2SEC0285	25
12"	457	838	47	90°	2SEC0286	25

Egress

Size	Min Sash Width (mm)	Max Sash Width (mm)	Max Sash Weight Kg	Max Angle	VBH Code	Box Qty
16"	457	838	47	90°	2SEC0299	25

**Was grade 304. Now BS EN ISO 10088/2 Grade 1.4301

Friction Stay Security Devices

Friction stay security devices provide excellent resistance to forced entry. With one half fitted in the friction stay groove on the sash and another fitted opposite on the frame (in both hinged corners), the components inter-lock if jemmying of the hinge side of a window is attempted. In normal use the 2 halves do not come into contact with each other so wear and tear is not an issue.

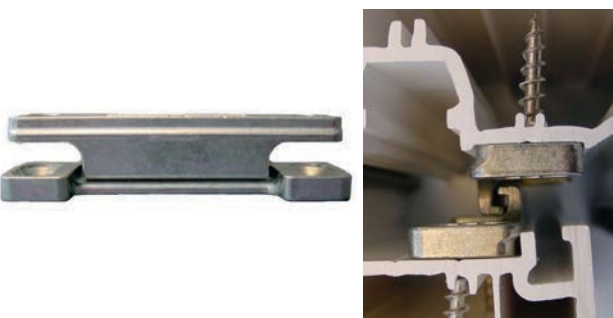
It is recommended that friction stay security devices should be fitted to any window that is to be tested to PAS024:2012, unless security friction stays have been fitted.

greenteQ - Delta Hinge Protector



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

Maco Casement Hinge Protector



A Universal Protector should be fitted to the sash if the profile design calls for fitting in the eurogroove. Either a standard or egress version should be fitted to the frame.

Description	13mm Stack	17mm Stack	Box Qty
Standard (Each)	2WES0262	2WES0263	200
Egress (Each)	2WES0264	2WES0265	200
Universal (Each)	2WES0520	2WES0521	200

Securistyle Vector Excluder Ancillary Security Device



Description	13mm Stack	17mm Stack	Box Qty
Vector Excluder (Set of 4)	2SEC0270	2SEC0271	50 sets

Parallel Opening Hinges

Cotswold Heavy Duty Parallel Stay

Heavy duty parallel hinge system

Maximum sash weight 200Kg*

Cotswold recommend 4 parallel stays per window

Can be operated manually or by electric actuators

Tested to 25,000 cycles

Manufactured from grade 304 austenitic stainless steel - high resistance to corrosion

10 Year Cotswold Guarantee



Parallel Stay

Description	Max Sash Weight (Kg)	Max Sash Width (mm)	Max Sash Height (mm)	Opening Distance (mm)	Cavity (mm)	Code	Box Qty
11" Stay 17mm	25	350	750	95	16.9 - 1	PAR11 17mm	25
11" Stay 21mm	25	350	750	95	21 - 1	PAR11 21mm	25
18" Stay 17mm	100	1200	1000	180	16.9 - 1	PAR18 17mm	25
18" Stay 21mm	100	1200	1000	180	21 - 1	PAR18 21mm	25
36" Dual Stay 17mm	200	2000	2000	180	16.9 - 1	PAR36 17mm	10
36" Dual Stay 21mm	200	2000	2000	180	21 - 1	PAR36 17mm	10

Securistyle Parallel Stay Plus

Heavy duty parallel hinge system

Maximum sash weight 200Kg*

Adjustable parallelism compensates for building and facade tolerances

Can be restricted to 40mm opening

Can be operated manually or by electric actuators

Tested to 20,000 cycles

Manufactured from grade 304 austenitic stainless steel - high resistance to corrosion

12 Year Securistyle Guarantee

Parallel Plus Stay

Description	VBH Code	Box Qty
LH 250mm Stay	2SEC0671	25
RH 250mm Stay	2SEC0672	25
LH 350mm Stay	2SEC0673	25
RH 350mm Stay	2SEC0674	25
LH 450mm Stay	2SEC0675	25
RH 450mm Stay	2SEC0676	25
LH 670mm Stay	2SEC0677	25
RH 670mm Stay	2SEC0678	25
LH 950mm Stay	2SEC0679	25
RH 950mm Stay	2SEC0680	25



Travel Stops

The relevant travel stops should be fitted according to the window size. Contact VBH for guidance.

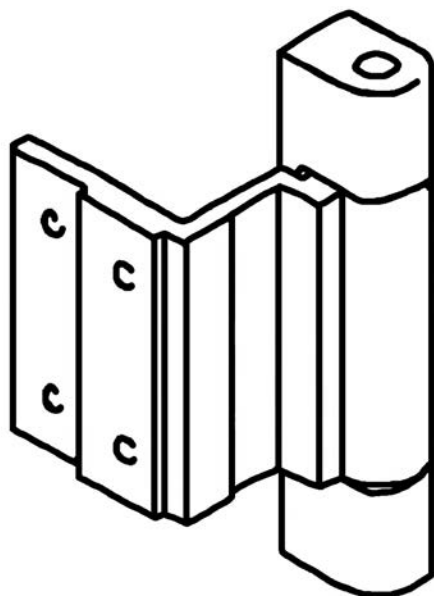
Description	Code	Box Qty
Travel Stop	C8700	100
Travel Stop	C8571	100
Travel Stop	C8688	100

*Contact VBH for guidance on hinge configuration for your window size and weight

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

Window Butt Hinges

Haps 80 - with Eurogroove Fitting

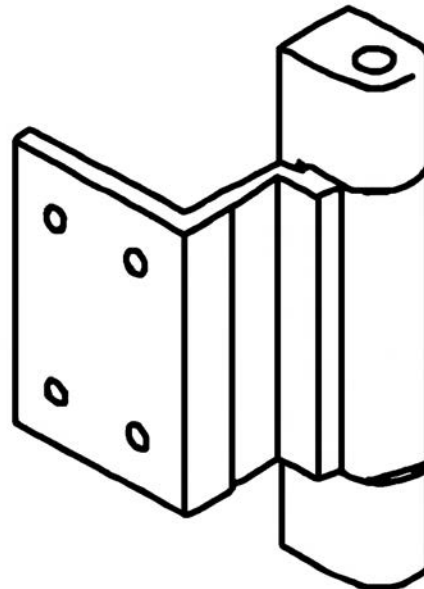


Description	VBH Code	Box Qty
2 Leaf White Hinge	2HSV0243	25
2 Leaf Satin Anodised Hinge	2HSV0242	25
2 Leaf Mill Finish Hinge	2HSV0241	25

Accessories

Description	VBH Code	Box Qty
1mm Packer for Haps 80	2HSV0244	500

Haps 80 - without Eurogroove Fitting

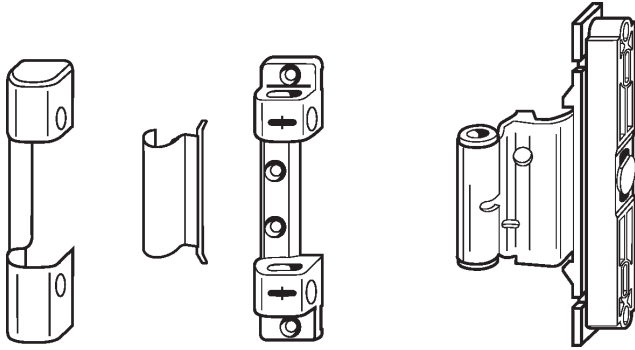


Description	VBH Code	Box Qty
2 Leaf White Hinge	2HSV0164	25
2 Leaf Satin Anodised Hinge	2WAH0082	25
2 Leaf Mill Finish Hinge	2WAH0081	25



Window Butt Hinges

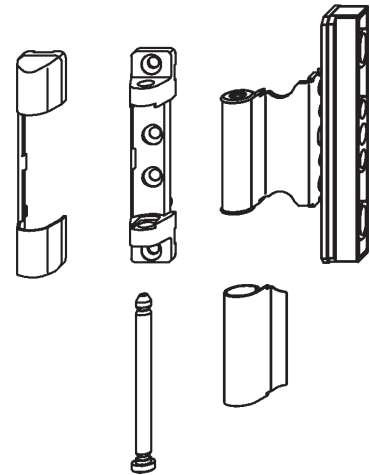
Roto NT Butt Hinge (Eurogroove System)



For inward opening windows

Description	VBH Code	Box Qty
Butt Hinge c/w White Covers	2WAH1129	50
Butt Hinge c/w Brown Covers	2WAH1128	50

Siegenia Butt Hinge (Eurogroove System)



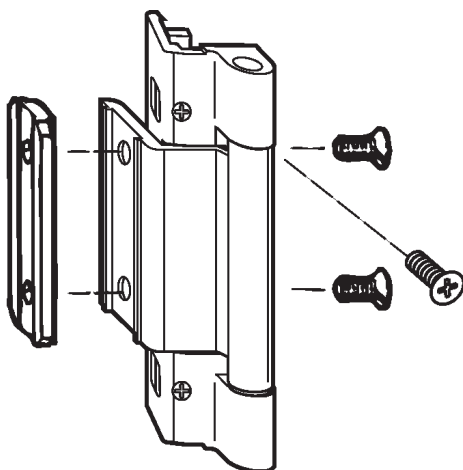
For inward opening windows

Supplied complete with white cover caps

Select hinge component bag and desired colour cover caps (if black or silver are required)

Description	VBH Code	Box Qty
Hinge Component Bag	5SIE1144	50
Cover Cap W KF Black	5SIE1159	500
Cover Cap SI Black	5SIE1160	500
Cover Cap W KF Silver	5SIE1169	500
Cover Cap SI Silver	5SIE1170	500

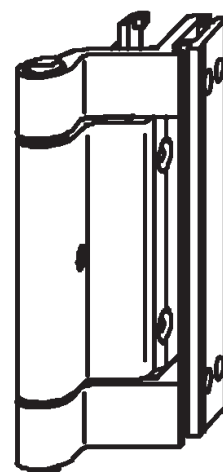
Roto AluVision ALU Turn Only Hinge (ALU-Groove System)



For inward opening windows

Description	VBH Code	Box Qty
Turn Only Hinge Open in Silver	5RAV0023	50
Turn Only Hinge Open in White	5RAV0024	50

Siegenia Butt Hinge LM4200 Turn Only (ALU-Groove System)



For inward opening windows

Description	VBH Code	Box Qty
LM200 Butt Hinge Silver	5SIE3214	20
LM200 Butt Hinge White	5SIE3215	20

Window Restrictors

VBH - Auto-Latch Casement Restrictor



Stainless steel
Concealed casement restrictor

Description	VBH Code	Box Qty
LH	2ACC0031	50
RH	2ACC0032	50

Restrictor shown is LH

Maco - 8213 Casement Restrictor



Stainless steel
Concealed casement restrictor

Description	VBH Code	Box Qty
LH	2ACC0050	50
RH	2ACC0051	50

Restrictor shown is LH

Striker Post to suit Auto-Latch and 8213 Stainless Steel Casement Restrictors



Stainless steel

Description	VBH Code	Box Qty
9.5mm	2ACC0003	50
10.5mm	2ACC0004	50
11.5mm	2ACC0005	50
14.5mm	2ACC0006	50

Maco - Auto-Latch Restrictor

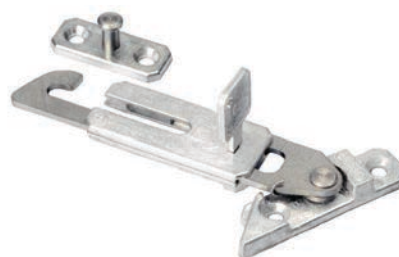


Stainless steel
Concealed casement restrictor

Description	VBH Code	Box Qty
LH	2ACC0021	50
RH	2ACC0022	50

Restrictor shown is LH

Res-Lok - Casement Restrictor



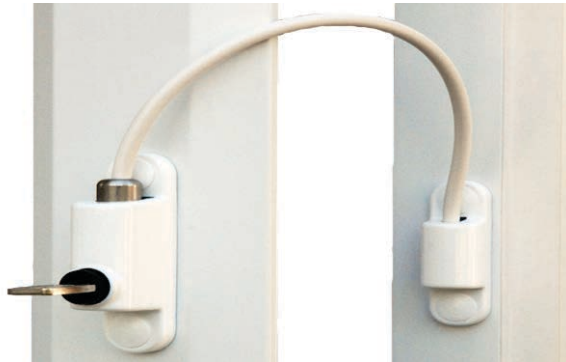
Stainless steel
Key locking
Concealed casement restrictor

Restrictor	VBH Code	Box Qty
LH 105mm Arm	2B A0111	50
RH 105mm Arm	2B A0112	50
Striker Post	VBH Code	Box Qty
11.5mm	2B A0125	50
12.5mm	2B A0126	50
13.5mm	2B A0127	50
14.5mm	2B A0128	50



Window Restrictors

Fenster Window Safety Restrictor



200mm cable as standard (Any length available to special order)
 Child-safe locking system
 White and Black as standard (other RAL colours available to special order)
 Suits PVCu, aluminium and timber windows

Description	White	Black	Box Qty
Safety Restrictor	2FEN0001	2FEN0002	50

Securistyle - SDR Restrictor Stay



Stainless steel
 Concealed detachable restrictor stay
 18mm track width
 16-18mm Stack

Description	VBH Code	Box Qty
SDR 4"	2SEC0325	50
SDR 6"	2SEC0326	50
SDR 8"	2SEC0327	50
SDR 10"	2SEC0328	50
Key	2SEC0329	50

Securistyle - SD Restrictor



Stainless steel
 Concealed restrictor stay
 18mm track width
 16-18mm Stack

Description	VBH Code	Box Qty
102mm (4")	2SEC0077	50
152mm (6")	2SEC0078	50
228mm (9")	2SEC0079	50



Tilt & Turn

Eurogroove or Clamp Tilt & Turn Systems

VBH stocks a large selection of TBT tilt and turn (tilt before turn) systems from the three main manufacturers; i.e. Maco, Roto and Siegenia.

All three brands offer solutions for Eurogroove aluminium, PVCu and timber systems, whilst Roto and Siegenia also offer clamp systems for aluminium profiles without a Eurogroove.

We offer the option of surface fit or concealed hinges, and basic or security level locking points.

At present we offer the following solutions. Please contact us for further details of the systems offered by your preferred manufacturer or send us your enquiry/order using the form opposite.

Eurogroove Systems

Manufacturer	System Name	Hinge Type	Security Level
Maco	Multi-Matic Invisible	Concealed	Both
Roto	Designo	Concealed	Both
Roto	Designo II	Concealed	Both
Siegenia	Titan Axxent V-V	Concealed	Both

Clamp Systems

Manufacturer	System Name	Hinge Type	Security Level
Roto	AL 540	Surface Fit	Both
Roto	AL Designo	Concealed	Both
Siegenia	Alu 4200	Surface Fit	Both
Siegenia	Alu 5200	Surface Fit	Both
Siegenia	Alu Axxent	Concealed	Both

Attn VBH:

Please supply/quote for * TBT hardware to suit the below specification

*Delete as appropriate



Tilt & Turn Hardware Set

Hardware Manufacturer	Maco		Roto		Siegenia	
Hardware System						
Hinge Type	Surface Fit		Concealed			
Security Level Required	Standard		Security			
Your Profile System (Include profile numbers if known)	Name		Sash No.		Frame No.	
Cover Cap Colour* (If applicable)	White		Brown			
Sash Rebate Width*						
Sash Rebate Height*						
Handing (viewed from inside)*	Left		Right			
Do You Require a Handle?						
Yes (insert Item Code)**				No		

***If you are ordering more than one set please indicate any additional window specifications in the box below** (including sizes, handing, colour & handle option):

**If you require a handle please select from the options on pages 124 - 134 and indicate relevant item code in box

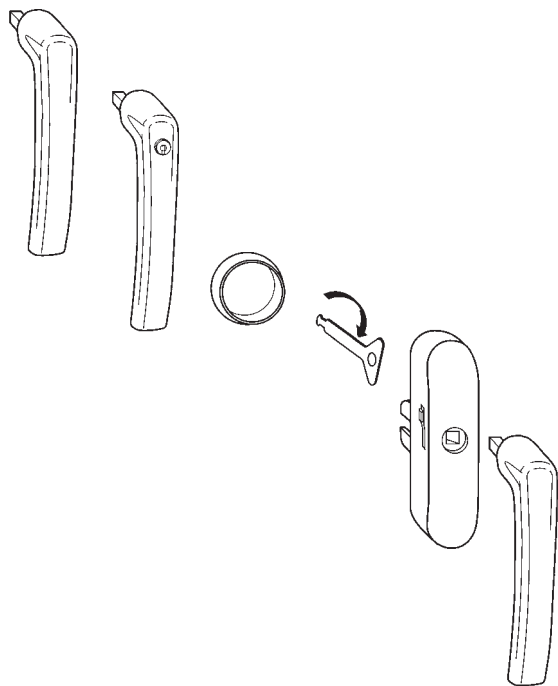
Company Name		Acc Number	
Contact Name		Order No	
Email Address		Fax No	
Sign		Date:	

Fax to:	VBH	01634 263504
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General Accessories

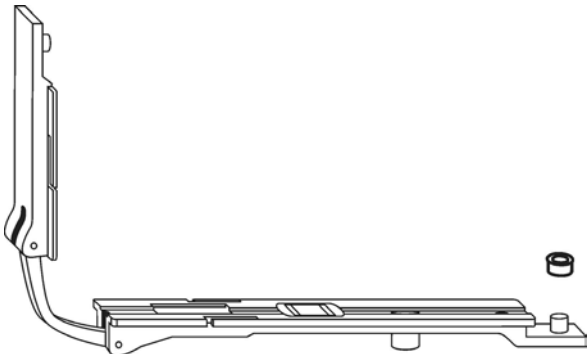
Roto

Handles and Escutcheons



Description	VBH Code	Box Qty
Escutcheonless Handle - Silver	5RAV0065	10
Escutcheonless Locking - Silver	5RAV0066	10
Ring for Escutcheonless Handle	5RAV0067	10
Pull Key for Escutcheonless Handle	5RAV0068	10
Escutcheon Plate - Silver	5RAV0069	10
Removable Handle - Silver	5RAV0070	10

Corner Drive & Reducer Bush



Description	VBH Code	Box Qty
Linkage Corner Drive	5RAV0071	50
Reducer Bush	5RAV0072	100

Link Rail

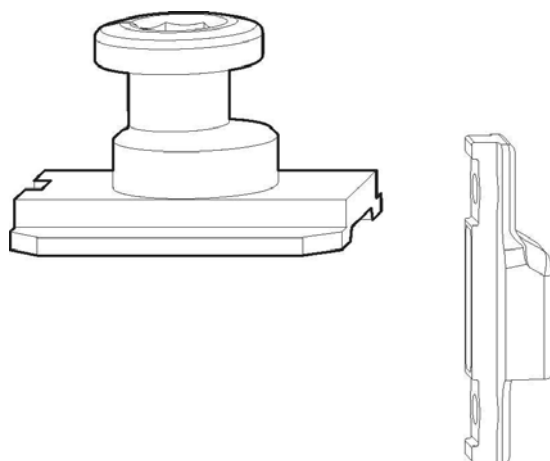


Description	VBH Code	Box Qty
AL540-10 Link Rail 6m length	5RAV0019	Each

General Accessories

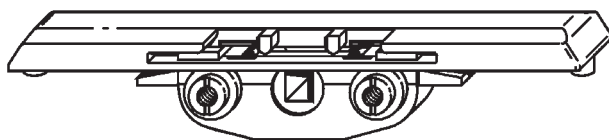
Roto

Security Cam



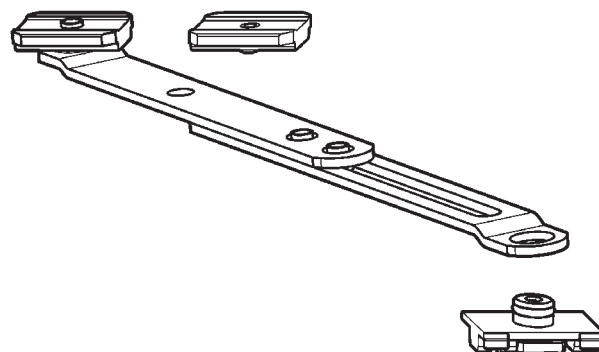
Description	VBH Code	Box Qty
Insertable Security Cam ALU T540	5RAV0015	100
Security Striker V01 ALU T540	5RAV0016	100

Gearbox



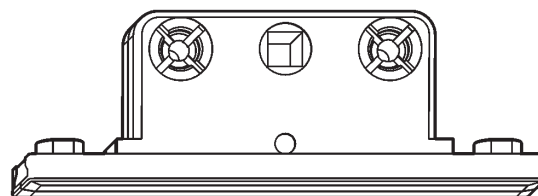
Description	VBH Code	Box Qty
Flush Gearbox ALU T540	5RAV0050	10

Turn Restrictor



Description	VBH Code	Box Qty
Turn Restrictor	5RAV0054	10

Flush Encased Gearbox



Description	VBH Code	Box Qty
Gear Case 22BS - 7mm Spindle	5ROT5040	20
Gear Case 25BS - 7mm Spindle	5RAV0080	20
Gear Case 30BS - 7mm Spindle	487490	20

General Accessories

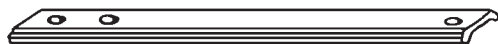
Siegenia

Gear Case



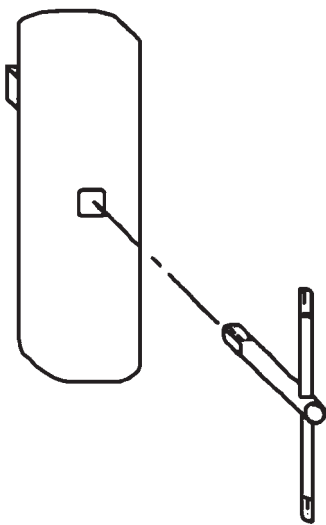
Description	VBH Code	Box Qty
7mm Spindle Gear Case	5SIE4022	10

Link Rail



Description	VBH Code	Box Qty
Link Rail 3000mm SAA	2ALC0006	50

Si-Line Rose



Description	VBH Code	Box Qty
Si-Line Rose White	5SIE4016	10
Si-Line Rose MILL	5SIE4017	10
Si-Line Rose Silver	5SIE4019	10
Grooved Key	5SIE4018	10

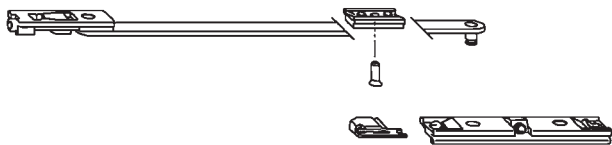
General Accessories Siegenia

Security Keep



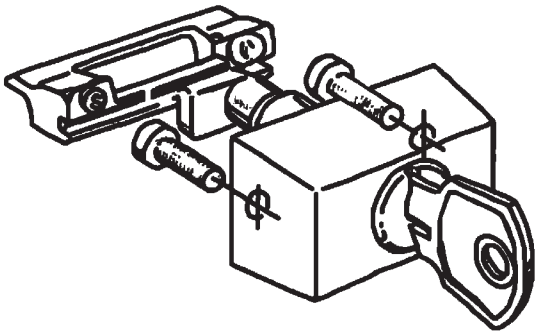
Description	VBH Code	Box Qty
LM 'E' Security Keep	5SIE4074	20

Limit Stay



Description	VBH Code	Box Qty
Limit Stay/Friction Stay 90°	5SIE3016	50

Turn Lock

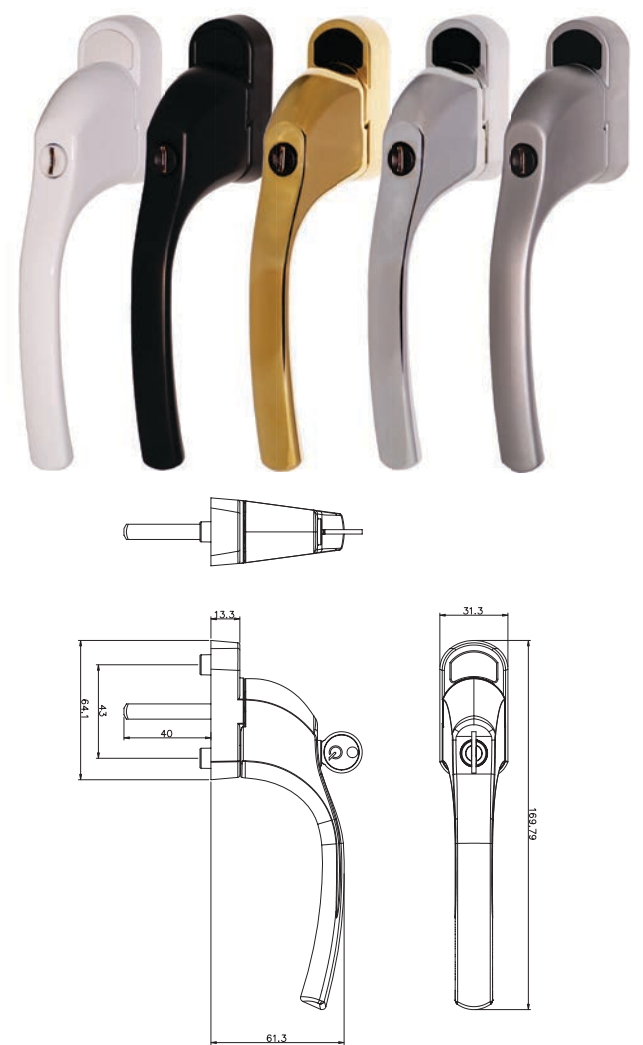


Description	VBH Code	Box Qty
Turn Lock Silver	5SIE3025	50
Turn Lock White	5SIE3148	50
Key To Suit	5SIE3026	10

Tilt & Turn Handles

greenteQ

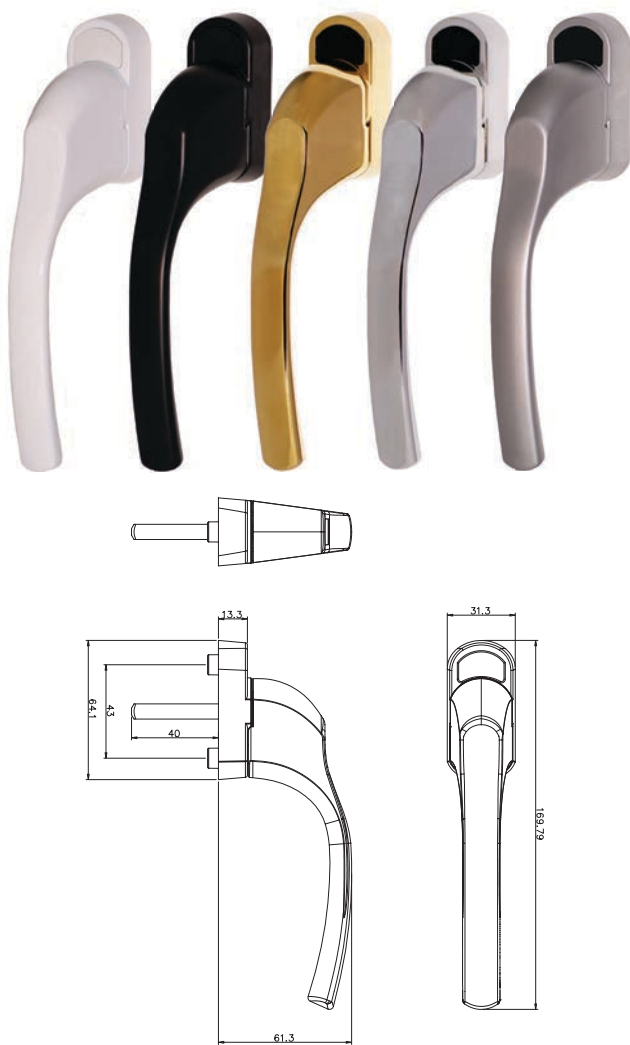
Alpha TBT - Locking



40mm spindle length
 Part of the greenteQ suite
 TBT function for child safety
 Locates in 4 positions at 90° intervals
 Supplied with cover caps, fixings and key

Finish	VBH Code	Box Qty
White	2QTT0061	10/60
Black	2QTT0066	10/60
PVD Gold	2QTT0062	10/60
Polished Chrome	2QTT0063	10/60
Satin Chrome	2QTT0065	10/60
Anthracite Grey	2QTT0067	10/60
Smokey Chrome	2QTT0068	10/60
Enduro Steel	2QTT0069	10/60

Alpha TBT - Non-Locking



40mm spindle length
 Non-locking handle for basic tilt and turn windows
 Part of the greenteQ suite
 Locates in 4 positions at 90° intervals
 Supplied with cover caps and fixings

Finish	VBH Code	Box Qty
White	2QTT0261	10/60
Black	2QTT0266	10/60
PVD Gold	2QTT0262	10/60
Polished Chrome	2QTT0263	10/60
Satin Chrome	2QTT0265	10/60
Anthracite Grey	2QTT0267	10/60
Smokey Chrome	2QTT0268	10/60
Enduro Steel	2QTT0269	10/60

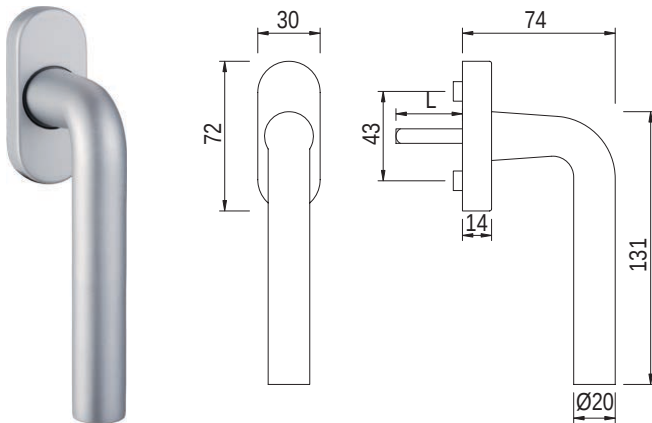
Accessories

Description	White	Black	Green	Box Qty
Cover Cap	2QTT0101	2QTT0102	2QTT0103	1
Description	VBH Code	Box Qty		
Spare Key	2QTT0106	1		

Tilt & Turn Handles

greenteQ

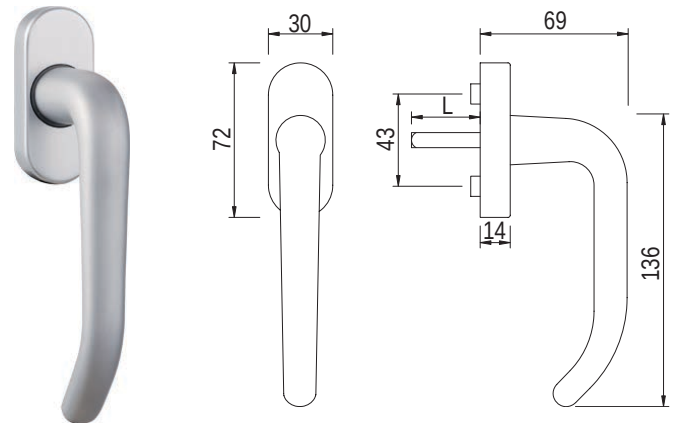
FG62.AL Non-Locking



Locates at 90° intervals
 Certified to EN 13126-3
 Features 10mm locating lugs
 Supplied with screws
 Aluminium construction

Description	VBH Code	Box Qty
Silver Anodised F1 32mm SP	394.965/0100	1
Silver Anodised F1 37mm SP	394.966/0100	1
Silver Anodised F1 43mm SP	394.967/0100	1
10/12mm Sleeves for Locating Lugs	397.414/0000	100

FG65.AL Non-Locking

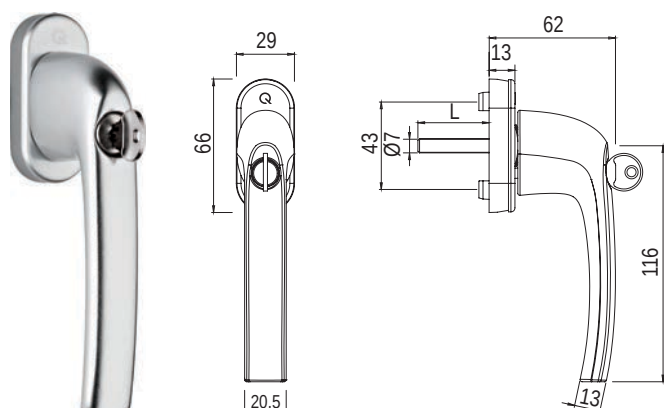


Locates at 90° intervals
 Certified to EN 13126-3
 Features 10mm locating lugs
 Supplied with screws
 Aluminium construction

Description	VBH Code	Box Qty
Silver Anodised F1 32mm SP	394.968/0100	1
Silver Anodised F1 37mm SP	394.969/0100	1
Silver Anodised F1 43mm SP	394.971/0100	1
10/12mm Sleeves for Locating Lugs	397.414/0000	100

Tilt & Turn Handles greenteQ

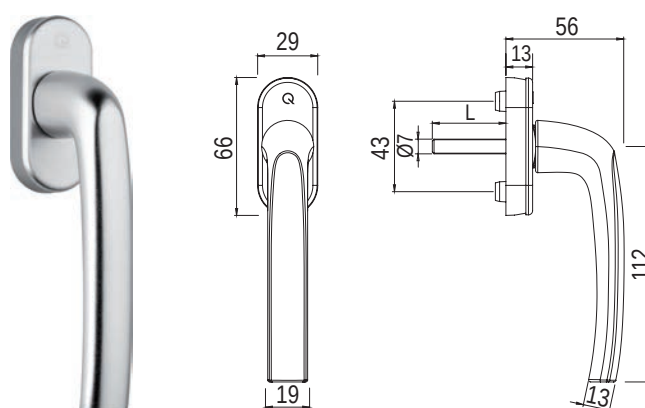
FG10.TBT1.AL Locking TBT Handle



Key locking handle allows free movement to 90° tilt position
Locates in 4 positions at 90° intervals
Aluminium construction
5 year mechanical guarantee
Supplied with 1 key and 2 screws

Finish/Description	VBH Code	Box Qty
Silver F1 32mm SP	394.408/0100	1
Silver F1 43mm SP	394.418/0100	1
Gold F3 32mm SP	394.408/0300	1
Gold F3 43mm SP	394.418/0300	1
Brone F4 32mm SP	394.408/0400	1
Brone F4 43mm SP	394.418/0400	1
Dark Silver F9 32mm SP	394.408/0900	1
Dark Silver F9 43mm SP	394.418/0900	1
Brown RAL8077 32mm SP	394.408/8077	1
Brown RAL8077 43mm SP	394.418/8077	1
White RAL9016 32mm SP	394.408/9016	1
White RAL9016 43mm SP	394.418/9016	1

FG10.AL Non-Locking TBT Handle



Locates in 4 positions at 90° intervals
Aluminium construction
5 year mechanical guarantee
Features 10mm locating lugs
Supplied with 2 screws

Finish/Description	VBH Code	Box Qty
Silver F1 32mm SP	394.404/0100	1
Silver F1 43mm SP	394.414/0100	1
Gold F3 32mm SP	394.404/0300	1
Gold F3 43mm SP	394.414/0300	1
Brone F4 32mm SP	394.404/0400	1
Brone F4 43mm SP	394.414/0400	1
Brown RAL8077 32mm SP	394.404/8077	1
Brown RAL8077 43mm SP	394.414/8077	1
White RAL9016 32mm SP	394.404/9016	1
White RAL9016 43mm SP	394.414/9016	1

Spare Key

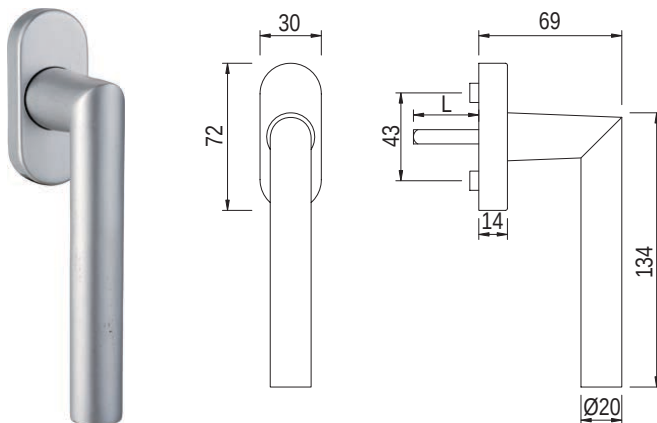


Description	VBH Code	Box Qty
Spare Key for FG10.TBT1.AL	394.041/0002	1



Tilt & Turn Handles greenteQ

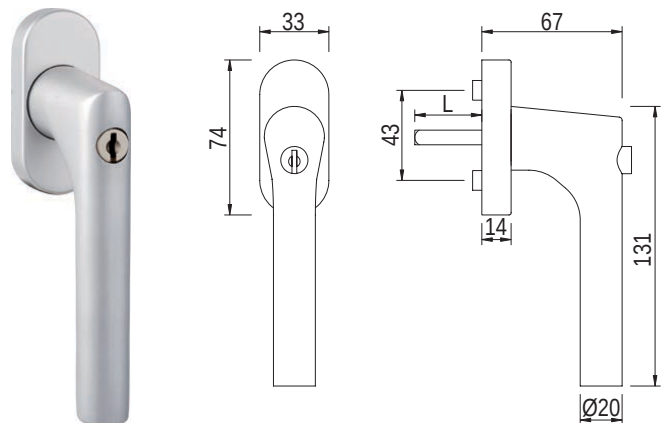
FG61.AL Non-Locking



Locates at 90° intervals
Certified to EN 13126-3
Features 10mm locating lugs
Supplied with screws

Description	VBH Code	Box Qty
Silver Anodised F1 32mm SP	394.954/0100	1
Silver Anodised F1 37mm SP	394.955/0100	1
Silver Anodised F1 43mm SP	394.956/0100	1
10/12mm Sleeves for Locating Lugs	397.414/0000	100

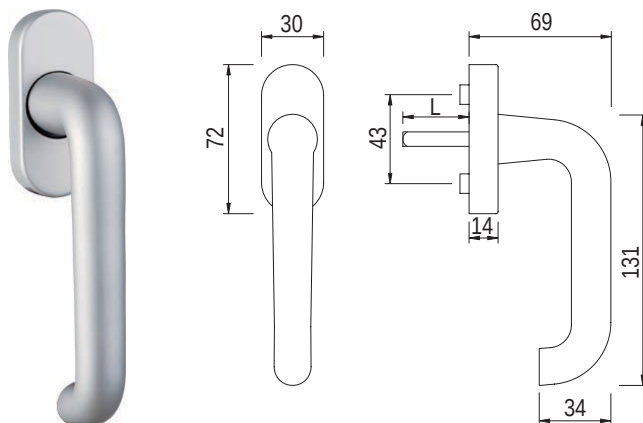
FG61.S.AL Locking



Lockable handle with push cylinder
Locates at 90° intervals
Supplied with screws and 2 keys
Features 10mm locating lugs

Description	VBH Code	Box Qty
Silver Anodised F1 32mm SP	394.985/0100	1
Silver Anodised F1 37mm SP	394.986/0100	1
Silver Anodised F1 43mm SP	394.987/0100	1
Spare Key	394.041/0003	1
10/12mm Sleeves for Locating Lugs	397.414/0000	100

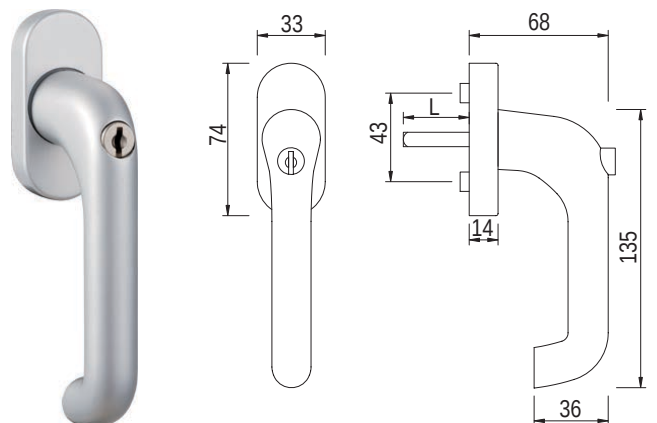
FG60.AL Non-Locking



Locates at 90° intervals
Certified to EN 13126-3
Features 10mm locating lugs
Supplied with screws

Description	VBH Code	Box Qty
Silver Anodised F1 32mm SP	394.951/0100	1
Silver Anodised F1 37mm SP	394.952/0100	1
Silver Anodised F1 43mm SP	394.953/0100	1
10/12mm Sleeves for Locating Lugs	397.414/0000	100

FG60.S.AL Locking



Lockable handle with push cylinder
Locates at 90° intervals
Supplied with screws and 2 keys
Features 10mm locating lugs

Description	VBH Code	Box Qty
Silver Anodised F1 32mm SP	394.982/0100	1
Silver Anodised F1 37mm SP	394.983/0100	1
Silver Anodised F1 43mm SP	394.984/0100	1
Spare Key	394.041/0003	1
10/12mm Sleeves for Locating Lugs	397.414/0000	100

Tilt & Turn Handles

Hoppe

Atlanta - Locking

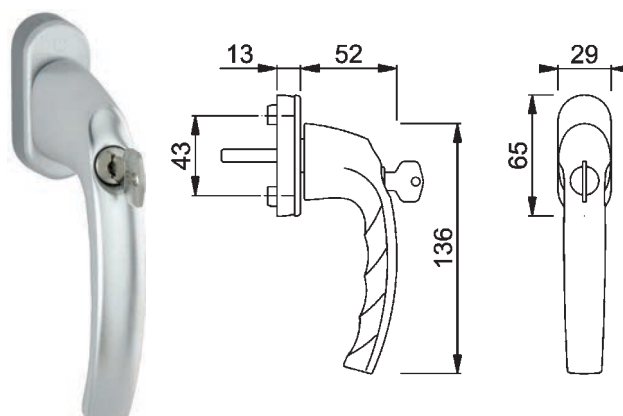
Key locking handle allows free movement to 90° tilt position

Locates in 4 positions at 90° intervals

Turn position accessible only when key is turned

If lever is rotated through 180° prior to fitting, handle reverts to normal locking function (locked in closed position)

Spindle Size	White	Gold F3	Silver F1	Brassed	Box Qty
32mm	2HOP0683	2HOP0681	2HOP0680	2HOP0686	40
38mm	2HOP0663	2HOP0661	2HOP0660	2HOP0666	40
Spindle Size		Polished Gold	Black	Polished Chrome	Box Qty
32mm		2HOP0684	2HOP0682	2HOP0685	40
38mm		2HOP0664	2HOP0662	2HOP0665	40
44mm		#	2HOP0656	#	40



Accessories

Description	VBH Code	Box Qty
Spare Key	2HOP0434	1

Tokyo - Locking

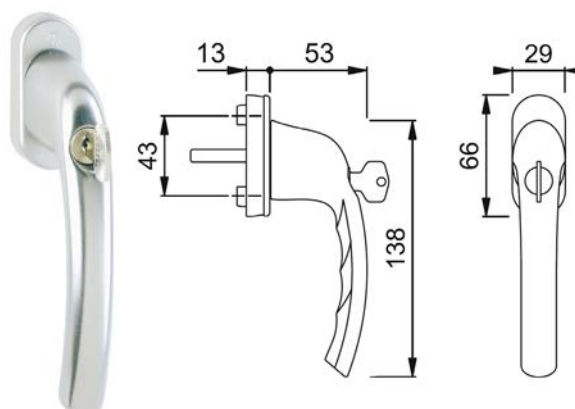
Key locking handle allows free movement to 90° tilt position

Locates in 4 positions at 90° intervals

Turn position accessible only when key is turned

If lever is rotated through 180° prior to fitting, handle reverts to normal locking function (locked in closed position)

Spindle Size	White	Gold F3	Silver F1	Brassed	Polished Chrome	Box Qty
32mm	2HOP0852	2HOP0851	2HOP0850	2HOP0859	2HOP0860	40
38mm	2HOP0855	2HOP0854	2HOP0853	#	#	40
44mm	2HOP0858	2HOP0857	2HOP0856	#	#	40



Accessories

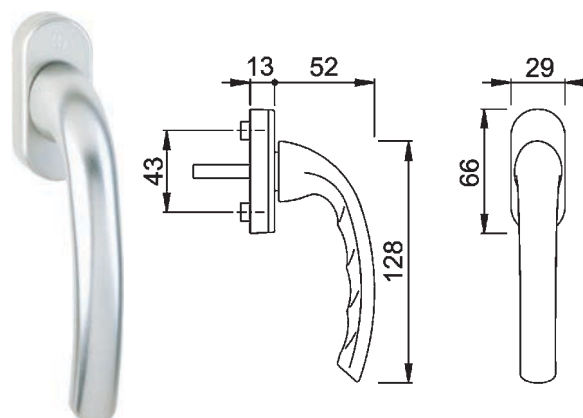
Description	VBH Code	Box Qty
Spare Key	2HOP0434	1

Tokyo - Non-Locking

Non locking handle for basic tilt and turn windows

Locates in 4 positions at 90° intervals

Spindle Size	White	Gold F3	Silver F1	Box Qty
32mm	2HOP0826	2HOP0825	2HOP0824	100
38mm	2HOP0829	2HOP0828	#	100
44mm	2HOP0822	2HOP0821	2HOP0820	100



All locking handles supplied with key

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



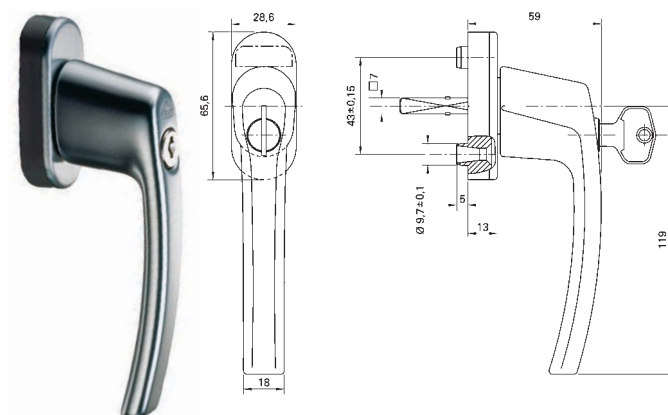
Tilt & Turn Handles

Roto

Rotoline - Locking with TBT function

Key locking handle allows free movement to 90° tilt position
Turn position accessible only when key is turned

Spindle Size	White	Gold F3	Silver F1	Box Qty
32mm	5ROT5079	5ROT5077	5ROT5075	20



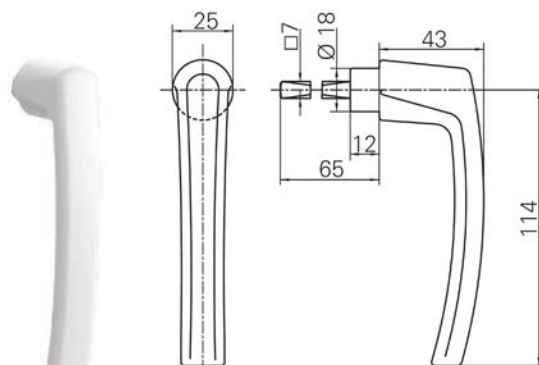
Removable 'Service Handle' & Rosette

Ideal for windows where it is not desirable for a handle to be permanently fixed but occasional operation may be necessary (e.g. remotely operated window)

Ideal in situations where a standard projecting handle is not feasible (e.g. It may interfere with an adjacent sliding pane)

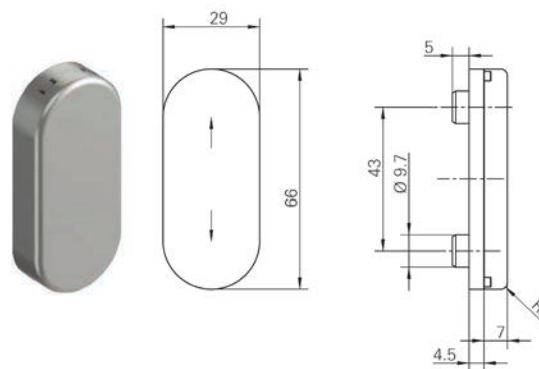
Service Handle

Description	VBH Code	Box Qty
Service Handle White	5ROT5071	20



Handle Rosette

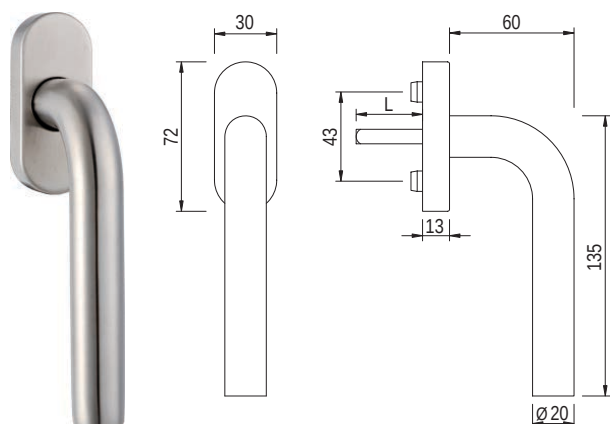
Description	VBH Code	Box Qty
Rosette White	5ROT5070	20
Rosette Silver	5ROT5074	20



All locking handles supplied with key

Tilt & Turn Handles - Stainless Steel greenteQ

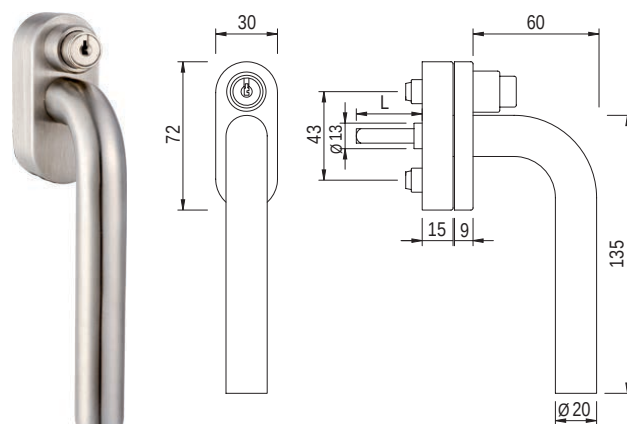
FG62L.ER Non-Locking



Locates at 90° intervals
 Certified to EN 13126-3
 Features 10mm locating lugs
 Supplied with 10/12mm sleeves for locating lugs
 Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.965/6500	1
Matt Brushed Stainless Steel 37mm SP	394.966/6500	1
Matt Brushed Stainless Steel 43mm SP	394.967/6500	1

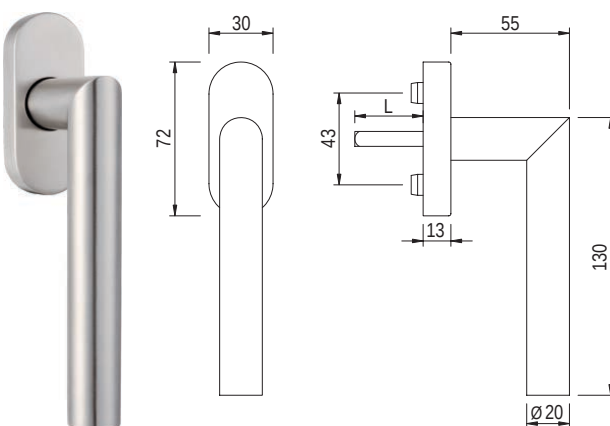
FG62.S.ER Locking



Locates at 90° intervals
 Key lockable with push cylinder
 Features 10mm locating lugs
 Supplied with 10/12mm sleeves for locating lugs
 Supplied with screws & 2 keys

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.988/6500	1
Matt Brushed Stainless Steel 37mm SP	394.989/6500	1
Matt Brushed Stainless Steel 43mm SP	394.990/6500	1
Spare Key	394.041/0004	1

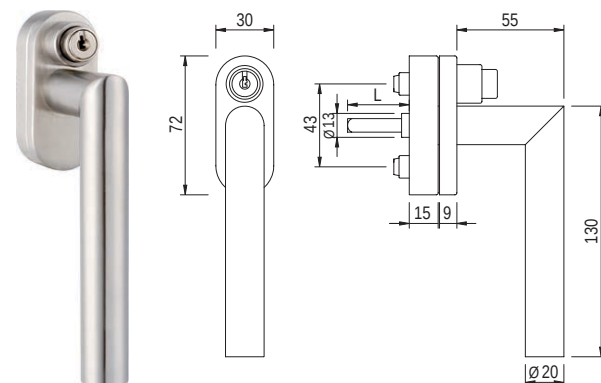
FG61L.ER Non-Locking



Locates at 90° intervals
 Certified to EN 13126-3
 Features 10mm locating lugs
 Supplied with 10/12mm sleeves for locating lugs
 Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	2QTT1001	1
Matt Brushed Stainless Steel 37mm SP	394.955/6500	1
Matt Brushed Stainless Steel 43mm SP	394.956/6500	1

FG61.S.ER Locking



Locates at 90° intervals
 Key lockable with push cylinder
 Supplied with 2 keys
 Features 10mm locating lugs
 Supplied with 10/12mm sleeves for locating lugs
 Supplied with screws

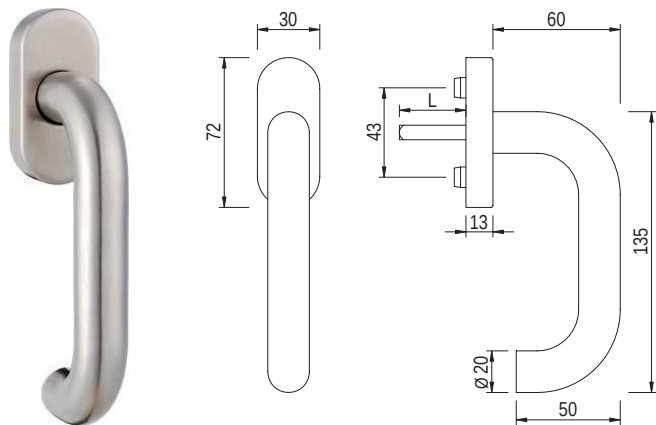
Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.985/6500	1
Matt Brushed Stainless Steel 37mm SP	394.986/6500	1
Matt Brushed Stainless Steel 43mm SP	2QTT1010	1
Spare Key	394.041/0004	1



Tilt & Turn Handles - Stainless Steel

greenteQ

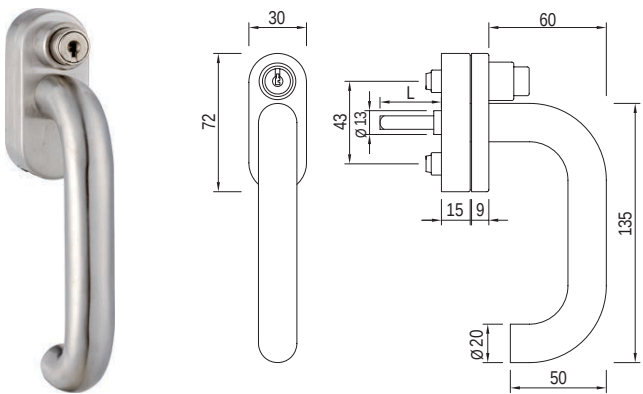
FG60L.ER Non-Locking



Locates at 90° intervals
 Certified to EN 13126-3
 Features 10mm locating lugs
 Supplied with 10/12mm sleeves for locating lugs
 Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.951/6500	1
Matt Brushed Stainless Steel 37mm SP	394.952/6500	1
Matt Brushed Stainless Steel 43mm SP	394.953/6500	1

FG60.S.ER Locking

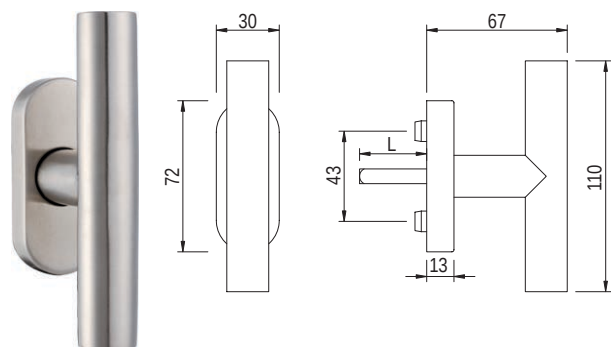


Locates at 90° intervals
 Key lockable with push cylinder
 Supplied with 2 keys
 Features 10mm locating lugs
 Supplied with 10/12mm sleeves for locating lugs
 Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.982/6500	1
Matt Brushed Stainless Steel 37mm SP	394.983/6500	1
Matt Brushed Stainless Steel 43mm SP	2QTT1012	1
Spare Key	394.041/0004	1

Tilt & Turn Handles - Stainless Steel

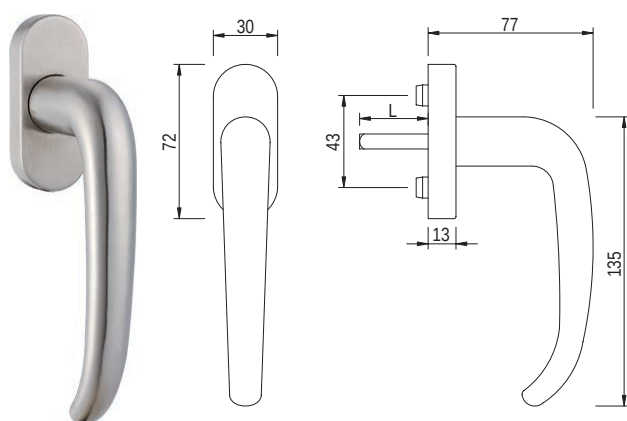
FG63L.ER T-Handle Non-Locking



- Locates at 90° intervals
- Certified to EN 13126-3
- Features 10mm locating lugs
- Supplied with 10/12mm sleeves for locating lugs
- Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.972/6500	1
Matt Brushed Stainless Steel 37mm SP	394.973/6500	1
Matt Brushed Stainless Steel 43mm SP	394.974/6500	1

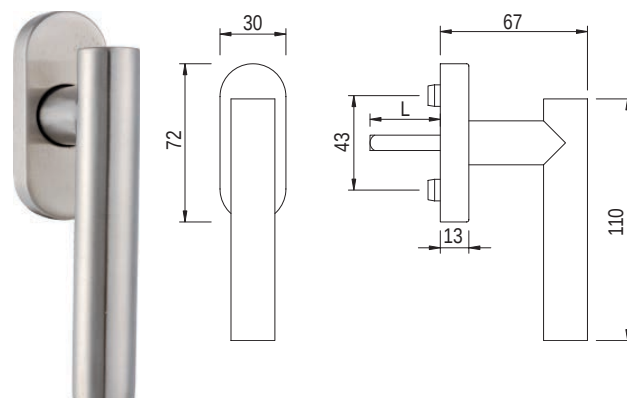
FG65L.ER Non-Locking



Locates at 90° intervals
 Certified to EN 13126-3
 Features 10mm locating lugs
 Supplied with 10/12mm sleeves for locating lugs
 Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.968/6500	1
Matt Brushed Stainless Steel 37mm SP	394.969/6500	1
Matt Brushed Stainless Steel 43mm SP	394.971/6500	1

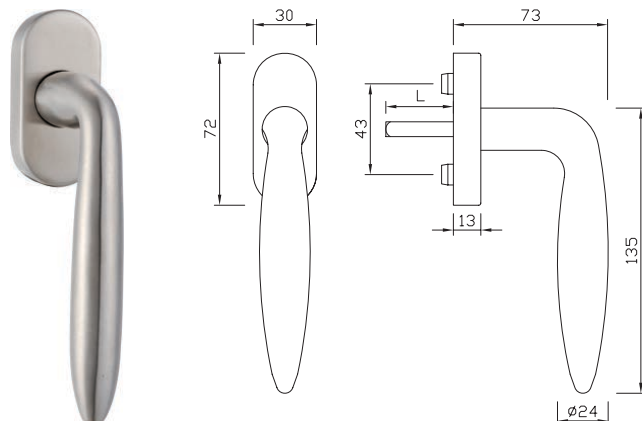
FG64L.ER Non-Locking



- Locates at 90° intervals
- Certified to EN 13126-3
- Features 10mm locating lugs
- Supplied with 10/12mm sleeves for locating lugs
- Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.975/6500	1
Matt Brushed Stainless Steel 37mm SP	394.976/6500	1
Matt Brushed Stainless Steel 43mm SP	394.977/6500	1

FG69L.ER Non-Locking



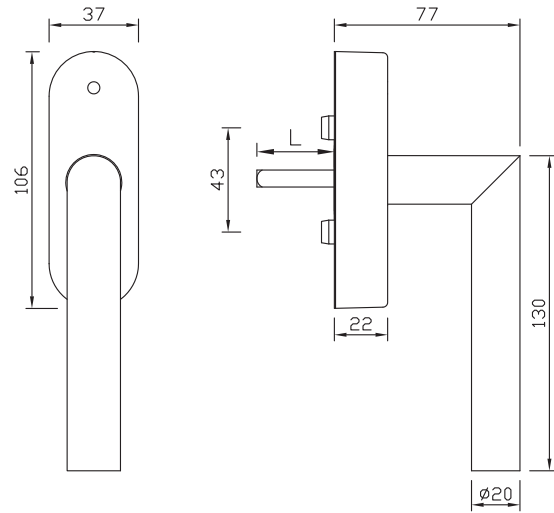
- Locates at 90° intervals
- Certified to EN 13126-3
- Features 10mm locating lugs
- Supplied with 10/12mm sleeves for locating lugs
- Supplied with screws

Description	VBH Code	Box Qty
Matt Brushed Stainless Steel 32mm SP	394.978/6500	1
Matt Brushed Stainless Steel 37mm SP	394.979/6500	1
Matt Brushed Stainless Steel 43mm SP	394.980/6500	1

Tilt & Turn Handles - with Climate Control & Alarm Functions

greenteQ

Senso



SENSO is the latest product from the German greenteQ range to be introduced into the British market.

greenteQ SENSO is an attractive matt brushed stainless steel tilt and turn handle with in-built electronic alarm and climate control functions.

The alarm function detects any vibration that may indicate an attempted break-in. The vibrations trigger a 115 db(A) alarm signal, emitted through the discreet opening in the front face of the handle backplate.

As soon as the handle is moved into the closed position the alarm function is activated. There is no need to enter a password or remember to click a switch.

The climate control function detects when the air humidity in a room exceeds a pre-set figure (50, 55 or 60%). The user is alerted via 2 LED lights on the sides of the handle backplate that it is advisable to open the window to ventilate the room for 5 – 10 minutes in order to prevent condensation. Without relying exclusively on the judgement of the user, the SENSO handle thus provides a solution for efficient room ventilation to prevent mould formation within the building.

Power is provided by a standard 1/2AA battery which is readily available from normal retailers. The pre-installed battery gives a service life of approximately 2 years and 200 days (based on an average of 3 alerts per day).

Description	VBH No	Box Qty
SENSO with 32mm Spindle	2QTT1014	1
SENSO with 37mm Spindle	2QTT1015	1
SENSO with 43mm Spindle	2QTT1016	1

Setting up the handle is easy. Simply insert the battery and fix to the installed window. In just a few moments SENSO calibrates itself and is ready to protect.

SENSO has a positive location at all 90° points. It is supplied complete with M5 fixing screws which are fully concealed by a stainless steel cover when the handle is fitted.

The handle is available with a 32, 37 or 43mm spindle so is suitable for most window profile systems.

Although tilt & turn is not the norm in the UK, there is still a healthy market for this style of window. We see greenteQ SENSO as an excellent product in the fight against the dual problems of crime and of mould formation brought about by insufficient ventilation.

It can be fitted on new installations and, as there is no requirement to wire it to the mains electricity supply, it can just as easily be retro-fitted.

Features

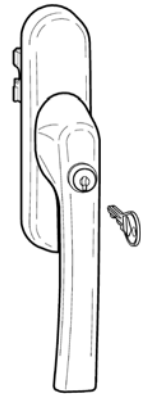
- Matt brushed grade 1.4301 stainless steel construction
- Supplied with M5 x 40/45/55mm fixing screws
- 37 x 106 x 22mm backplate
- Alarm duration - 180 Seconds / VdS H113006
- Supplied with battery
- Locates at 90°

Tilt & Turn Handles

Fork Drive

Roto Rotoline

Description	Silver	White	Black	Box Qty
Locking Handle	5ROT5014	5ROT5015	5ROT5032	10



Siegenia Si-FG Line LM

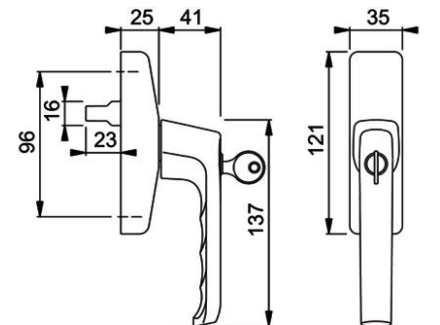
Description	Silver (EV1)	White	Black	Box Qty
Locking Handle	5SIE4026	5SIE4027	5SIE4028	10



Hoppe - GK12 TBT

For use on Siegenia LM Tilt & Turn windows
Tilt before turn operation

Description	Silver (EV1)	Box Qty
Locking TBT Handle	2HOP1081	20



All locking handles supplied with key



Folding Openers

Folding openers (or cam stays) are a convenient way to operate and lock windows, using a surface fit mechanism. They are best suited to top hung outward opening windows but can also be fitted to bottom hung, fully reversible and pivot windows in aluminium, PVCu, timber or steel. They can be linked together for wider windows.

We offer two main types of Caldwell folding opener as detailed below.

Style 110

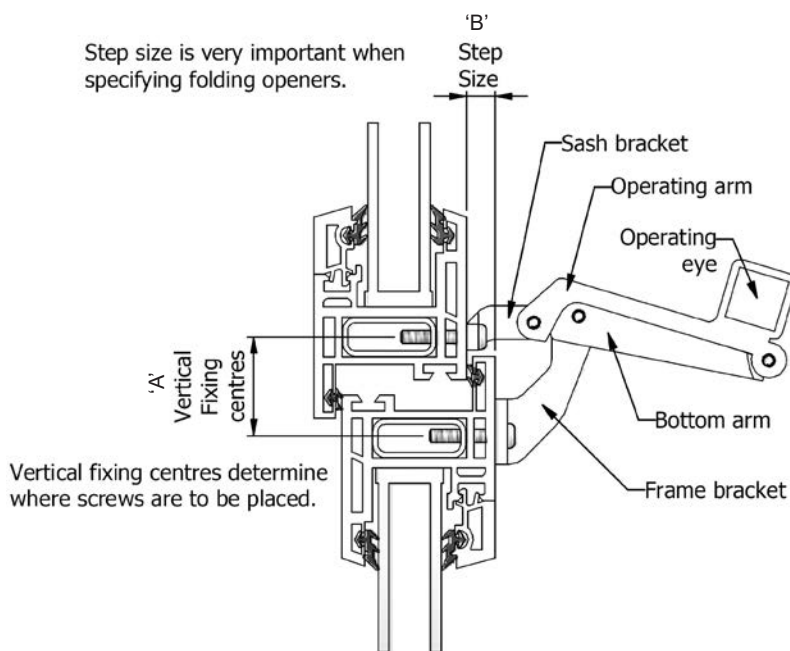
This allows the operating eye to remain inside the building when the window is fully open, making it ideal for use on high level windows where pole operation is required. It is not recommended for hand operation as the geometry of these openers means that there is a risk of fingers becoming trapped. Types 111, 131 and 191 also fall under the header 'Style 110'

Style 112

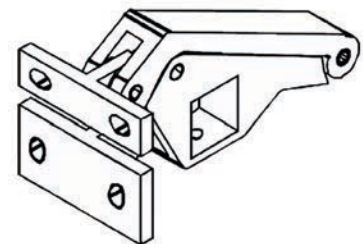
The action of Style 112 openers ensures that the operating eye or tandem bar does not interfere with internal sills. The position of the operating eye gives an extended arc of operation making it ideal for hand operation on low level windows. Types 113, 130 and 190 also fall under the header 'Style 112'. It is not suitable for pole operation.

Other versions, including those with fixings in different planes for timber windows are available to special order. Please ask.

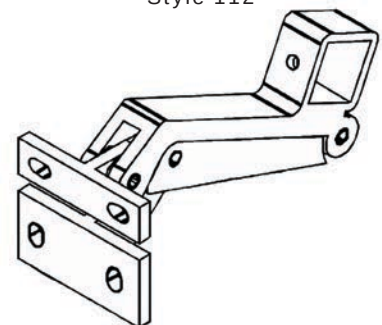
When ordering folding openers you should take into account the application (high or low level), the step size (dimension 'B') and the vertical fixing centres (dimension 'A')



Style 110



Style 112



Style	Type	Dim A	Dim B	VBH Code	Box Qty
110	111	25	7	2CAL0077	Each
112	112	25	5	2CAL0042	Each
112	112	25	7	2CAL0045	Each
112	113	15	5	2CAL0044	Each
112	113	15	7	2CAL0052	Each

Folding Openers

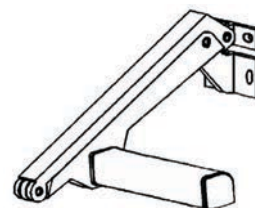
Caldwell

Folding Openers

Extended Operating Handle

If openers are to be operated individually, and by hand, it is recommended that the manual operating handle is used to prevent trapping of fingers

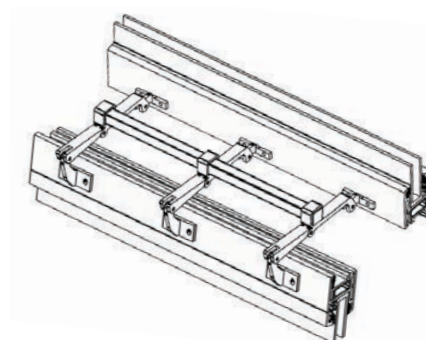
Description	VBH Code	Box Qty
PE164 Extended Operating Handle	2CAL0007	Each



Tandem Bar

Tandem bars are used to link together two or more openers to allow wider windows to be operated. The manufacturer's guideline for tandem bars is shown below:

Sash Size (mm)	Recommendation
< 400	1 Opener
401 - 900	2 Linked Openers
901 - 1800	3 Linked Openers
1801 - 2700	4 Linked Openers
> 2700	Refer to VBH Technical



Description	Length	VBH Code	Box Qty
Tandem Bar	215mm	2CAL0081	Each
Tandem Bar	315mm	2CAL0082	Each
Tandem Bar	415mm	2CAL0059	Each
Tandem Bar	515mm	2CAL0083	Each
Tandem Bar	615mm	2CAL0060	Each
Tandem Bar	715mm	2CAL0084	Each
Tandem Bar	815mm	2CAL0061	Each
Tandem Bar	915mm	2CAL0085	Each
Tandem Bar	1015mm	2CAL0062	Each
Tandem Bar	1215mm	2CAL0063	Each
Tandem Bar	1515mm	2CAL0064	Each
Tandem Bar	3000mm	2CAL0039	Each

Openers should be positioned between 100-200mm from sash corner



Folding Openers

Caldwell

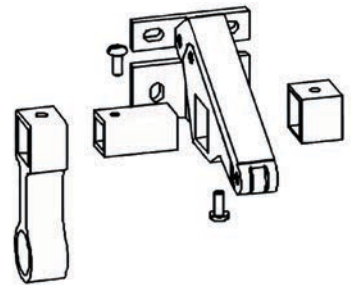
Folding Openers

Tandem Eye Kit

Tandem eye kits are fitted centrally to the tandem bar to allow high level windows to be pole operated

They are supplied complete with the end caps and screws

Description	VBH Code	Box Qty
260 Tandem Eye (for 110)	2CAL0021	Each
263 Tandem Eye (for 110)	2CAL0024	Each
262 Tandem Eye (for 112)	2CAL0023	Each
Tandem Sleeve (1 per Tandem Eye)	2CAL0072	Each



Packers

These packers are fitted to either frame or sash fixing point to obtain the correct step size (dimension 'B')

For example if your profile has a step of 18mm, use a 16mm step opener with a 2mm packer on the frame

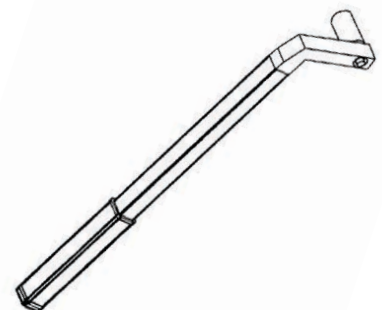
If your step size is 14mm use the same opener but fit the packer to the sash

Description	VBH Code	Box Qty
2mm Packer Mill Finish	2CAL0016	100
3mm Packer SAA	2CAL0026	Each
5mm Packer Nylon	2CAL0025	Each

Pole Operator

Pole operators are needed to operate high level windows. Choose either small or large boss depending on Tandem Eye Kit used

Description	VBH Code	Box Qty
1400mm Pole Operator for 260/263 (small boss)	2CAL0043	Each
2000mm Pole Operator for 260/263 (small boss)	2CAL0020	Each
1400mm Pole Operator for 262 (large boss)	2CAL0041	Each
2000mm Pole Operator for 262 (large boss)	2CAL0057	Each



End Caps and Screws

End caps and fixing screws are supplied within the Tandem Eye Kit. However, if no tandem eye is being used, order them separately using the codes below

Description	VBH Code	Box Qty
Tandem Bar End Cap Black	2CAL0040	Each
Self Tapping Assembly Screw	2CAL0028	Each

Openers should be positioned between 100-200mm from sash corner.
All folding openers and aluminium accessories are finished in silver anodised finish unless stated otherwise.
Other finishes, including painted RAL colours may be available to special order. Please ask.

Folding Openers Strand

Duoflex

British-made to contemporary design

3 options for flush, recessed and stepped window types

Easily adjustable on site with no need for packers

Suitable for sashes up to 600mm wide with single opener, 900mm (2 openers) and 1500mm (3 openers)

Tested to over 100,000 cycles

Opens window to approx. 150mm

Minimum sash height 250mm if hung on butt hinges or 400mm if using friction stays

Silver finish as standard

Satin stainless steel, polished brass plated, white and other RAL colours available to order

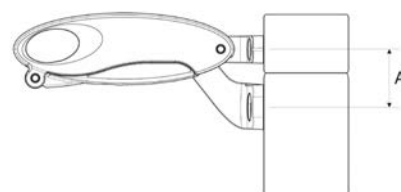


Flush

Dim A - 25mm

Offset between sash and frame faces can be up to 10mm

Description	VBH Code	Box Qty
Duoflex Flush Silver	4SQL1042	1



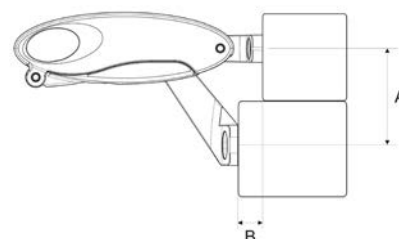
Stepped

Dim A - 48mm

Dim B - 16mm

Offset between sash and frame faces can be up to 26mm

Description	VBH Code	Box Qty
Duoflex Recessed Silver	4SQL1043	1



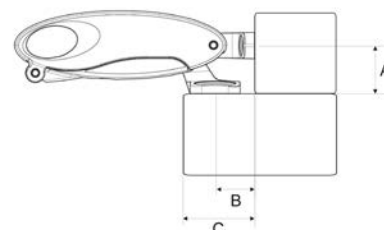
Recessed

Dim A - 25mm

Dim B - 19mm

Dim C - minimum 38mm

Description	VBH Code	Box Qty
Duoflex Recessed Silver	4SQL1041	1



Link Bar

Note: Link bar should be between 2/3 - 3/4 sash width

Description	VBH Code	Box Qty
Duoflex Link Bar Silver 200mm	4SQL1061	1
Duoflex Link Bar Silver 400mm	4SQL1062	1
Duoflex Link Bar Silver 600mm	4SQL1063	1
Duoflex Link Bar Silver 800mm	4SQL1064	1
Duoflex Link Bar Silver 1000mm	4SQL1065	1
Duoflex Link Bar Silver 2000mm	4SQL1066	1



Accessories

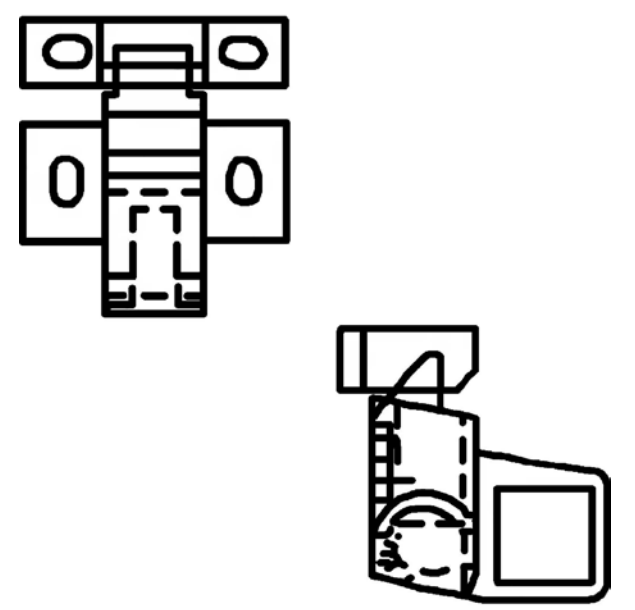
Description	VBH Code	Box Qty
Centre Ring Silver	4SQL1055	1
End Cap Each Silver	4SQL1056	1
Operating Pole 1.5m	4SQL1051	1
Operating Pole 2m	4SQL1052	1

Openers should be positioned between 100-200mm from sash corner



Spring Catch Caldwell

Spring Catch



Description	VBH Code	Box Qty
5mm SAA Spring Catch & Keep	2CAL0050	Each
7mm SAA Spring Catch & Keep	2CAL0051	Each

Pole Operator



Description	VBH Code	Box Qty
1400mm Pole Operator for 260/263 (small boss)	2CAL0043	Each
1400mm Pole Operator for 260/263 (small boss)	2CAL0020	Each

*If linking 2 or more spring catches together please refer to page 136-137 for details of tandem bar and tandem eyes



Notes

Top Swing PN Uni

Fully Reversible

For Top Hung fully reversible windows

Integrated restrictor for two ventilation and two reversed positions

Sold in pairs (1 restricted & 1 unrestricted hinge)

Max sash height 1558mm

Max sash weight 60Kg

One basic set of gear comprises a pair each of hinges, centre brackets and top gliders



Module Size	Standard Hinge	Hotel Variant	Hinge Length (mm)	Sash Height (mm)	Optimum Size Range*	Box Qty
M6	2AST0001	2AST0101	524	458-558	458-537	10
M6.5	2AST0089	#	580	515-615	537-579	10
M7	2AST0002	2AST0102	624	558-658	579-637	10
M7.5	2AST0090	2AST0103	680	615-715	637-679	10
M8	2AST0003	2AST0104	724	658-758	679-737	10
M8.5	2AST0091	2AST0105	780	715-815	737-779	10
M9	2AST0004	2AST0106	824	758-858	779-837	10
M9.5	2AST0092	2AST0107	880	815-915	837-879	10
M10	2AST0005	2AST0108	924	858-958	879-937	10
M10.5	2AST0093	2AST0109	980	915-1015	937-979	10
M11	2AST0007	2AST0110	1024	958-1037	979-1037	10
M11.5	2AST0094	2AST0111	1080	1015-1079	1038-1079	10
M12	2AST0008	2AST0112	1124	1058-1137	1079-1137	10
M12.5	2AST0095	2AST0113	1180	1115-1215	1138-1179	10
M13	2AST0009	2AST0114	1224	1158-1258	1179-1237	10
M13.5	2AST0096	2AST0115	1280	1215-1315	1238-1279	10
M14	2AST0010	2AST0116	1324	1258-1358	1279-1337	10
M14.5	2AST0097	#	1380	1315-1415	1338-1379	10
M15	2AST0015	2AST0117	1424	1358-1458	1379-1437	10
M15.5	2AST0098	#	1480	1415-1515	1438-1479	10
M16	2AST0016	2AST0118	1524	1458-1558	1479-1537	10

Top Gliders & Centre Brackets

Profile Name	Top Glider Pair	Centre Bracket Pair	Box Qty
AluK	2AST0011	2AST0012	10
A.M. Profiles	2AST0056	2AST0054	10
Comar	2AST0011	2AST0012	10
Kawneer	2AST0011	2AST0012	10
Metal Tech	2AST0011	2AST0012	10
Sapa	2AST0058	2AST0012	10
Senior	2AST0011	2AST0012	10
Technal	2AST0011	2AST0012	10
Smart - Aliplast	2AST0011	2AST0012	10

Accessories

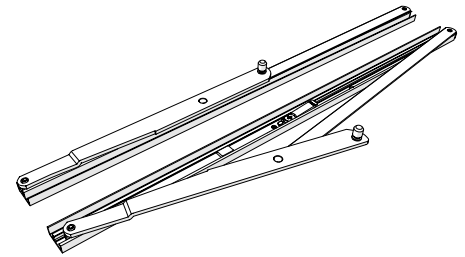
Description	VBH Code	Box Qty
Stop Block	2AST0014	10
Guide Block	2AST0017	10
Blocking Device	2AST0029	10

*Select hinges within this range to have minimum overswing.



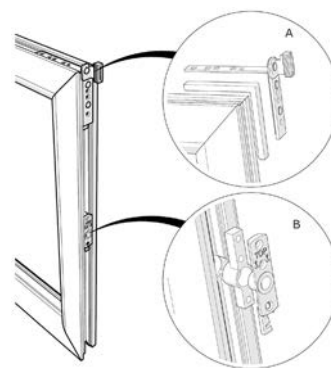
Fully Reversible

Fits most fully reversible window systems with 32 x 12mm groove*
 Built-in anti blow back feature
 Accommodates sash heights from approximately 290 - 1790mm depending on profile design*
 Maximum sash weight 80Kg (60Kg on modules M17 & 18)
 Sold in pairs consisting of 1 restricted and 1 unrestricted hinge (Top Brackets and Sash Castings to be ordered separately)
 Key operated lock out feature available
 Fire egress options are available on certain sizes*
 Performs to BS6375 Parts 1 & 2, BS8213 and BS EN1670 Grade 3
 10 year Yale guarantee



Module Size	VBH Code	Hinge Length (mm)	Built-in Restrictor	Max. Weight (Kg)
M4	2YTT0001	318	No	80
M4.5	2YTT0002	368	No	80
M5	2YTT0003	418	No	80
M5.5	2YTT0004	468	No	80
M6	2YTT0005	518	Yes	80
M6.5	2YTT0006	568	Yes	80
M7	2YTT0007	618	Yes	80
M7.5	2YTT0008	668	Yes	80
M8	2YTT0009	718	Yes	80
M8.5	2YTT0010	768	Yes	80
M9	2YTT0011	818	Yes	80
M9.5	2YTT0012	868	Yes	80
M10	2YTT0013	918	Yes	80
M10.5	2YTT0014	968	Yes	80
M11	2YTT0015	1018	Yes	80
M11.5	2YTT0016	1068	Yes	80
M12	2YTT0017	1118	Yes	80
M12.5	2YTT0018	1168	Yes	80
M13	2YTT0019	1218	Yes	80
M13.5	2YTT0020	1268	Yes	80
M14	2YTT0021	1318	Yes	80
M14.5	2YTT0022	1368	Yes	80
M15	2YTT0023	1418	Yes	80
M15.5	2YTT0024	1468	Yes	80
M16	2YTT0025	1518	Yes	80
M17	2YTT0027	1618	Yes	60
M18	2YTT0029	1718	Yes	60

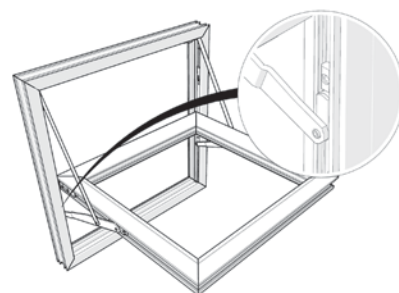
Profile Related* Top Brackets, Sash Castings & Packers*



Description	Standard Fitting	Security Fitting	Qty Per Sash	Max. Weight (Kg)
Top Bracket LH	2YTT ----	2YTT ----	1	80
Top Bracket RH	2YTT ----	2YTT ----	1	80
Sash Casting	2YTT ----	2YTT ----	2	80
Top Bracket Packer (if required)	2YTT ----	2YTT ----	2	80
Sash Casting Packer (if required)	2YTT ----	2YTT ----	2	80
Sash Casting Packer Red (if required)	2YTT ----	2YTT ----	2	80
Hinge Packer	2YTT ----	2YTT ----	2	80
Top Bracket Arm Packer	N/A	2YTT ----	2	80

These products are also available to order in profile related kit form - please enquire

Accessories



Description	VBH Code	Quantity Per Sash
Arm Stopper	2YTT0038	2

*Please contact VBH for details of suitability to your system



Link-Vent Ventilator Range

Glazpart Standard & Coloured Vents

Glazpart Link-Vent is a new ventilator that offers exceptional air flow through a compact size thanks to the design of the external canopy and internal opening flap.

The innovative 'link' allows the flap to be positioned to reduce draughts by directing air away from the occupants without reducing the air flow.

Available in two sizes, Link-Vent meets the requirements of Building Regulations Approved Document F1. Size 2500 EQA delivers similar performance to a traditional 4000mm² (free area) vent even though it is only the size of a traditional 2000mm² product. 5000 EQA delivers significantly more EQA performance than a 4000mm² vent. The 5000 EQA Link-Vent features a split internal flap for added comfort and ease of use.

Link-Vent is available in Screw fix or Clip fix variants. Screw fix can be used on PVCu, aluminium and timber windows. The rounded ends allow the vent to be rebated into timber frames if required. Clip fix vents are a good option for PVCu and aluminium windows, speeding up the fitting process as no screws are required.

Link-Vent is available in all the usual finishes (white, brown, tan and black) but can also be supplied in five woodgrain finishes and a host of colours including Chartwell Green, Anthracite and Slate Grey and Cream. There is also the option to spray vents in any RAL colour to special order. With the increasing popularity of woodgrain and coloured profiles this is a real benefit to the window manufacturer, specifier and installer (not to mention the home-owner) as it allows the vent to blend in fully with the frame material.

Benefits at a glance:

- Meets requirements of Approved Document F1
- Superior air flow with reduced vent size
- 2500 and 5000 EQA sizes (5000 EQA flap is split for additional comfort)
- Compact size means minimal routing of frame
- Versatile inner flap allows air to be directed up or downwards
- Screw fix or Clip fix installation
- Rounded ends look good and allow vent to be rebated into timber frames
- Over 20 standard colour options including 5 woodgrain finishes
- Available sprayed in any RAL colour to special order



Link-Vent

Vent Type	Vent Size (mm)	Slot Size (mm)	Free Area (mm ²)	Equivalent Area (mm ²)
2500 EQA	236	204 x 13	2574	2500
5000 EQA	454	2 @ 204 x 13	5158	5000

Link-Vent - Bagged Sets (Inner & Outer)

Size	Colour	VBH Code Screw Fix	VBH Code Clip Fix
2500	White	5GPV0126	5GPV0101
2500	Dark Brown	5GPV0127	5GPV0102
2500	Tan (Oak Brown)	5GPV0128	5GPV0103
2500	Black	5GPV0129	5GPV0104
2500	Cream RAL1015	5GPV0130	5GPV0105
2500	Slate Grey RAL7015	5GPV0131	5GPV0106
2500	Anthracite Grey RAL7016	5GPV0132	5GPV0107
2500	Chartwell Green	5GPV0133	5GPV0108
2500	Plain Irish Oak	5GPV0134	5GPV0109
2500	White In/Cream Out	5GPV0135	*
2500	White In/Slate Grey Out	5GPV0136	*
2500	White In/Anthracite Grey Out	5GPV0137	*
2500	White In/Chartwell Green Out	5GPV0138	*
2500	White In/Plain Irish Oak Out	5GPV0139	*
5000	White	5GPV0176	5GPV0151
5000	Dark Brown	5GPV0177	5GPV0152
5000	Tan (Oak Brown)	5GPV0178	5GPV0153
5000	Black	5GPV0179	5GPV0154
5000	Cream RAL1015	5GPV0180	5GPV0155
5000	Slate Grey RAL7015	5GPV0181	5GPV0156
5000	Anthracite Grey RAL7016	5GPV0182	5GPV0157
5000	Chartwell Green	5GPV0183	5GPV0158
5000	Plain Irish Oak	5GPV0184	5GPV0159
5000	White In/Cream Out	5GPV0185	*
5000	White In/Slate Grey Out	5GPV0186	*
5000	White In/Anthracite Grey Out	5GPV0187	*
5000	White In/Chartwell Green Out	5GPV0188	*
5000	White In/Plain Irish Oak Out	5GPV0189	*

Note: Box Qty:50

*These and many other colours and combinations are available to special order. Please ask.

Link-Vent - Bulk Internal

Size	Colour	VBH Code Screw Fix	VBH Code Clip Fix
2500	White	5GPV0226	5GPV0201
5000	White	5GPV0276	5GPV0251

Link-Vent - Bulk Internal

Size	Colour	VBH Code Screw Fix	VBH Code Clip Fix
2500	White	5GPV0231	5GPV0206
2500	Dark Brown	5GPV0232	5GPV0207
2500	Tan (Oak Brown)	5GPV0233	5GPV0208
2500	Black	5GPV0234	5GPV0209
2500	Mahogany	5GPV0227	5GPV0202
2500	Rosewood	5GPV0228	5GPV0203
2500	Light Oak	5GPV0229	5GPV0204
2500	Irish Oak	5GPV0230	5GPV0205
2500	Cream	5GPV0235	5GPV0210
2500	Slate Grey	5GPV0236	5GPV0211
2500	Anthracite Grey	5GPV0237	5GPV0212
2500	Chartwell Green	5GPV0238	5GPV0213
2500	Plain Irish Oak	5GPV0239	5GPV0214
5000	White	5GPV0281	5GPV0256
5000	Dark Brown	5GPV0282	5GPV0257
5000	Tan (Oak Brown)	5GPV0283	5GPV0258
5000	Black	5GPV0284	5GPV0259
5000	Mahogany	5GPV0277	5GPV0252
5000	Rosewood	5GPV0278	5GPV0253
5000	Light Oak	5GPV0279	5GPV0254
5000	Irish Oak	5GPV0280	5GPV0255
5000	Cream	5GPV0285	5GPV0260
5000	Slate Grey	5GPV0286	5GPV0261
5000	Anthracite Grey	5GPV0287	5GPV0262
5000	Chartwell Green	5GPV0288	5GPV0263
5000	Plain Irish Oak	5GPV0289	5GPV0264

Note: Box Qty:50

Ventilators

Renson

Tip Vent - 487

Can be purchased ready made with end caps pre-assembled or in bar length



Ready-Made

Description	Equivalent Area	VBH Code	Box Qty
275 x 23mm White	4229mm ²	5REN0108	25
375 x 23mm White	6080mm ²	5REN0109	25
475 x 23mm White	7496mm ²	5REN0110	25
700 x 23mm White	12527mm ²	5REN0111	25

Bar Length

Description	VBH Code	Box Qty
3m Length SAA	5REN0153	1
3m Length Mill Finish	5REN0152	1
End Cap Pair White	5REN0164	100 Pr
End Cap Pair Black	5REN0149	100 Pr

Canopy - 586

Can be purchased ready made with end caps pre-assembled or in bar length



Ready-Made

Description	Equivalent Area	VBH Code	Box Qty
275 x 28mm White	4249mm ²	5REN0124	25
375 x 28mm White	5520mm ²	5REN0125	25
475 x 28mm White	8161mm ²	5REN0126	25
700 x 28mm White	11335mm ²	5REN0127	25

Bar Length

Description	VBH Code	Box Qty
3m Length SAA	5REN0161	1
3m Length Mill Finish	5REN0160	1
End Cap Pair White	5REN0156	100 Pr
End Cap Pair Black	5REN0157	100 Pr

Fly Screen

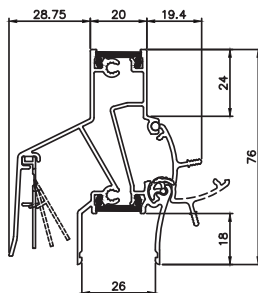
Description	VBH Code	Box Qty
Fly Screen (100m Roll)	5REN0168	1



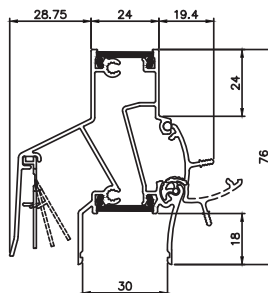
Glazed-in Ventilators and Louvre Grilles Renson

Glazed-in-Ventilator - AR60

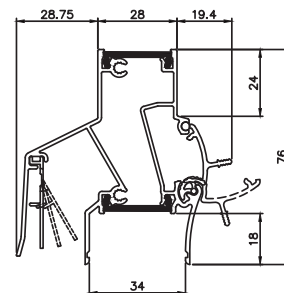
AR 60 / 20



AR 60 / 24



AR 60 / 28



Made to measure

Thermally broken, slimline glazed-in ventilator

Inner and outer can be finished in different colours

Suitable for all window materials

Only 60mm glass reduction

Perforated inner grille acts as insect mesh

Manual or rod control (6 stages)

Built-in upwards air deflection

Self-regulating flap ensures a constant airflow

20, 24 or 28 unit thickness

10427mm²/m Equivalent Area

Airflow at 2pa: 42.3m³./h/m

When ordering your made to measure vents please advise:

Vent type

Glass unit thickness (e.g. 20, 24 or 28mm)

Total length (including end caps)

Colour(s)

Which control option



414 Glazed-in-Louvre Grilles



Available in 24, 28 and 32mm unit thicknesses

Minimum size : 130 x 130mm

Finished in satin or bronze anodised or any RAL or Syntha Pulvin® colour

Supplied with 304 stainless steel insect screen (6 x 6mm mesh upon request)

When ordering your made to measure vents please advise:

Louvre type

Glass unit thickness (e.g. 24, 28 or 32mm) - type 414 only

Overall size

Colour(s)

Which control option

411 Wall-Mounted Louvre Grilles



Depth: 28.5mm

Flange size : 21mm

Minimum size : 100 x 100mm

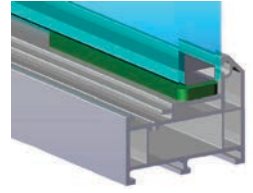
Finished in satin or bronze anodised or any RAL or Syntha Pulvin® colour

Supplied with 304 stainless steel insect screen (6 x 6mm mesh upon request)

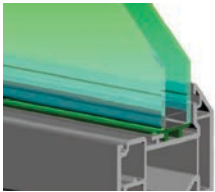
All Renson vents are available to special order. Please contact us with your requirements

Flat Glazing Packers

Size	VBH Code	Box Qty	Size	VBH Code	Box Qty	Size	VBH Code	Box Qty
15 x 100 x 1	6PRP0001	1000	24 x 100 x 1	6PRP0031	1000	30 x 100 x 1	6PRP0061	1000
15 x 100 x 2	6PRP0002	1000	24 x 100 x 2	6PRP0032	1000	30 x 100 x 2	6PRP0062	1000
15 x 100 x 3	6PRP0003	1000	24 x 100 x 3	6PRP0033	1000	30 x 100 x 3	6PRP0063	1000
15 x 100 x 4	6PRP0004	1000	24 x 100 x 4	6PRP0034	1000	30 x 100 x 4	6PRP0064	1000
15 x 100 x 5	6PRP0005	1000	24 x 100 x 5	6PRP0035	1000	30 x 100 x 5	6PRP0065	1000
15 x 100 x 6	6PRP0006	1000	24 x 100 x 6	6PRP0036	1000	30 x 100 x 6	6PRP0066	1000
20 x 100 x 1	6PRP0011	1000	26 x 100 x 1	6PRP0041	1000	32 x 100 x 1	6PRP0071	1000
20 x 100 x 2	6PRP0012	1000	26 x 100 x 2	6PRP0042	1000	32 x 100 x 2	6PRP0072	1000
20 x 100 x 3	6PRP0013	1000	26 x 100 x 3	6PRP0043	1000	32 x 100 x 3	6PRP0073	1000
20 x 100 x 4	6PRP0014	1000	26 x 100 x 4	6PRP0044	1000	32 x 100 x 4	6PRP0074	1000
20 x 100 x 5	6PRP0015	1000	26 x 100 x 5	6PRP0045	1000	32 x 100 x 5	6PRP0075	1000
20 x 100 x 6	6PRP0016	1000	26 x 100 x 6	6PRP0046	1000	32 x 100 x 6	6PRP0076	1000
22 x 100 x 1	6PRP0021	1000	28 x 100 x 1	6PRP0051	1000	34 x 100 x 3	6PRP0083	1000
22 x 100 x 2	6PRP0022	1000	28 x 100 x 2	6PRP0052	1000	34 x 100 x 4	6PRP0084	1000
22 x 100 x 3	6PRP0023	1000	28 x 100 x 3	6PRP0053	1000	34 x 100 x 5	6PRP0085	1000
22 x 100 x 4	6PRP0024	1000	28 x 100 x 4	6PRP0054	1000	34 x 100 x 6	6PRP0086	1000
22 x 100 x 5	6PRP0025	1000	28 x 100 x 5	6PRP0055	1000			
22 x 100 x 6	6PRP0026	1000	28 x 100 x 6	6PRP0056	1000			



Bridge Packers

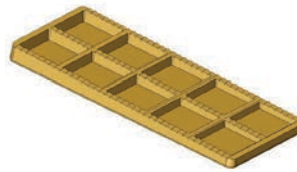


Size	VBH Code	Box Qty
20 x 100 x 5	6PRP0215	1000
22 x 100 x 5	6PRP0225	1000
24 x 100 x 5	6PRP0235	1000
26 x 100 x 5	6PRP0245	1000
28 x 100 x 3	6PRP0253	1000
28 x 100 x 4	6PRP0254	1000
32 x 100 x 5	6PRP0275	1000
32 x 100 x 7	6PRP0277	1000

Drain Hole Covers

Size	VBH Code	Box Qty
Round White	6PRP0501	1000
Rectangular Wht	6GPP1104	1000

Wedge Packers



Locit Universal Sash Jack Toe & Heel Device



Description	VBH Code	Box Qty
Universal Sash Jack	2GBA0261	20
Ball End 4mm Allen Driver	3TLS0047	1

Size	VBH Code	Box Qty
14 x 80 x 1-3	6PRP0101	1000
14 x 80 x 3-5	6PRP0102	1000
14 x 100 x 2-4	6PRP0103	1000
14 x 100 x 4-6	6PRP0104	1000
20 x 60 x 1-3	6PRP0111	1000
20 x 60 x 3-5	6PRP0112	1000
20 x 60 x 2-4	6PRP0113	1000
20 x 60 x 4-6	6PRP0114	1000
20 x 60 x 1-3	6PRP0131	1000
24 x 60 x 3-5	6PRP0132	1000
24 x 60 x 2-4	6PRP0133	1000
24 x 60 x 7.5-9.5	6PRP0134	1000
24 x 100 x 1-4	6PRP0135	1000
26 x 80 x 3-5	6PRP0141	1000
28 x 80 x 1-3	6PRP0151	1000
28 x 80 x 3-5	6PRP0152	1000
28 x 100 x 2-4	6PRP0153	1000
28 x 100 x 4-6	6PRP0154	1000
30 x 80 x 3-5	6PRP0162	1000
32 x 80 x 2-4	6PRP0173	1000
32 x 80 x 4-6	6PRP0174	1000

Frame Packers



Size	VBH Code	Box Qty
53 x 62 x 1	6PRP0301	1000
53 x 62 x 2	6PRP0302	1000
53 x 62 x 3	6PRP0303	1000
53 x 62 x 4	6PRP0304	1000
53 x 62 x 5	6PRP0305	1000
53 x 62 x 6	6PRP0306	1000
53 x 62 x 10	6PRP0307	1000



Glazing & Frame Packers etc

Glazing Art Packers for Professionals

Packers for Professionals are top quality Glazing art injection moulded products, including glazing packers and frame packers, but packaged in much smaller quantities than the usual bulk boxes of 1000. They are ideal for issuing to fitting teams per installation to keep control of packer consumption and keep down costs.

Flat Glazing Packers

Size	VBH Code	Box Qty
24 x 100 x 1mm (Bag of 100)	6GPP2010	10 Bags
24 x 100 x 2mm (Bag of 100)	6GPP2011	10 Bags
24 x 100 x 3mm (Bag of 100)	6GPP2012	10 Bags
24 x 100 x 4mm (Bag of 100)	6GPP2013	10 Bags
24 x 100 x 5mm (Bag of 100)	6GPP2014	10 Bags
24 x 100 x 6mm (Bag of 100)	6GPP2015	10 Bags
28 x 100 x 1mm (Bag of 100)	6GPP2022	10 Bags
28 x 100 x 2mm (Bag of 100)	6GPP2023	10 Bags
28 x 100 x 3mm (Bag of 100)	6GPP2024	10 Bags
28 x 100 x 4mm (Bag of 100)	6GPP2025	10 Bags
28 x 100 x 5mm (Bag of 100)	6GPP2026	10 Bags
28 x 100 x 6mm (Bag of 100)	6GPP2027	10 Bags
24 x 100 x 1-6mm Mixed (Bag of 100)	6GPP2040	10 Bags
26 x 100 x 1-6mm Mixed (Bag of 100)	6GPP2041	10 Bags
28 x 100 x 1-6mm Mixed (Bag of 100)	6GPP2042	10 Bags
30 x 100 x 1-6mm Mixed (Bag of 100)	6GPP2043	10 Bags
32 x 100 x 1-6mm Mixed (Bag of 100)	6GPP2044	10 Bags
44 x 100 x 1-6mm Mixed (Bag of 50)	6GPP2049	10 Bags

Flexi-Corner/Wedge Sets

Size	VBH Code	Box Qty
20mm Flat (Bag of 40 Sets)	6GPP2055	10 Bags
24mm Flat (Bag of 40 Sets)	6GPP2056	10 Bags
28mm Flat (Bag of 40 Sets)	6GPP2057	10 Bags
20mm Ridged (Bag of 40 Sets)	6GPP2061	10 Bags
24mm Ridged (Bag of 40 Sets)	6GPP2062	10 Bags
28mm Ridged (Bag of 40 Sets)	6GPP2063	10 Bags
34mm Ridged (Bag of 40 Sets)	6GPP2066	10 Bags

Glazing Accessories

Description	VBH Code	Box Qty
Glazing Shovels (Each)	6GPP2127	10

Drain Hole Covers

Description	VBH Code	Box Qty
Oblong White (Bag of 100)	6GPP2110	40 Bags
Oblong Brown (Bag of 100)	6GPP2111	40 Bags
Oblong Black (Bag of 100)	6GPP2112	40 Bags
Round White (Bag of 500)	6GPP2115	8 Bags
Round Brown (Bag of 500)	6GPP2116	8 Bags
Round Black (Bag of 500)	6GPP2117	8 Bags



Flat Glazing Packers



Flexi-Corner/Wedge Sets



Glazing Accessories



Frame Packers



Klip Frame Packers



Screw Washer Cover Caps



Drain Hole Covers

Frame Packers

Size	VBH Code	Box Qty
45 x 60 x 1mm (Bag of 100)	6GPP2071	10 Bags
45 x 60 x 2mm (Bag of 100)	6GPP2072	10 Bags
45 x 60 x 3mm (Bag of 100)	6GPP2073	10 Bags
45 x 60 x 4mm (Bags of 100)	6GPP2074	10 Bags
45 x 60 x 5mm (Bags of 100)	6GPP2075	10 Bags
45 x 60 x 6mm (Bag of 100)	6GPP2076	10 Bags
45 x 60 x 10mm (Bag of 100)	6GPP2080	10 Bags
45 x 60mm Mixed (Bag of 100)	6GPP2081	5 Bags

Klip Frame Packers

Size	VBH Code	Box Qty
60 x 50 x 1mm (Bag of 100)	6GPP2091	10 Bags
60 x 50 x 2mm (Bag of 100)	6GPP2092	10 Bags
60 x 50 x 3mm (Bag of 100)	6GPP2093	10 Bags
60 x 50 x 4mm (Bag of 100)	6GPP2094	10 Bags
60 x 50 x 5mm (Bag of 100)	6GPP2095	10 Bags
60 x 50 x 6mm (Bag of 100)	6GPP2096	10 Bags
60 x 50 x 10mm (Bag of 100)	6GPP2100	5 Bags
60 x 50mm Mixed (Bag of 100)	6GPP2101	10 Bags

Screw Washer Cover Caps

To fit 4mm screw

Description	VBH Code	Box Qty
10mm White (Bag of 100)	6GPP2120	10 Bags
10mm Brown (Bag of 100)	6GPP2121	10 Bags
10mm Black (Bag of 100)	6GPP2122	10 Bags
10mm Oak (Bag of 100)	6GPP2123	10 Bags
10mm Mixed Colours (Bag of 100)	6GPP2124	10 Bags

Cleaner, Superglue & Lubricants

Cosmo CL-300.150 Aluminium Cleaner



A quickly evaporating, low odour cleaner for cleaning powder coated and anodised profiles
Previously known as Cosmofen 60

Description	VBH Code	Box Qty
Cleaner 1 Litre	3COS0072	10

GT85 Lubricant Spray with PTFE



Non-sticky lubricant with PTFE for effective lubrication with no residue to attract grit and dirt
The lubricant of choice for locksmiths and repair professionals

Description	VBH Code	Box Qty
400ml Spray Can	3TLS0516	36

Superglue & Activator



For quick and stain-free bonding of trims, end caps etc

Description	VBH Code	Box Qty
Superglue 20g	3GLU0212	10
Superglue 50g	3GLU0211	10
Activator Spray 200ml	3GLU0213	24

WD-40 White Lithium Grease



Ideal for metal to metal applications where heavy duty lubrication and protection against rust and corrosion are required
Sprays on evenly as a liquid and sets dry for a thick, protective coating that won't run-off, melt or freeze

Description	VBH Code	Box Qty
250ml Spray Can	3TLS0518	12

Adhesive and Sealants

greenteQ 2C/Weiss Cosmo Pu-200.281 2 Part Adhesive



These solvent and odour-free 2-part adhesives are ideal for bonding corner angles in many materials
Easy to use as it has a long working time

Ensure you read the Safety Data Sheet prior to purchasing

Description	greenteQ	Weiss	Box Qty
2C Twin Cartridge 550g White	2QTC0031	3COS0070	6
2C Twin Cartridge 550g Beige	2QTC0032	-	6
2C Twin Cartridge 900g White	2QTC0033	3COS0075	6
2C Twin Cartridge 900g Beige	2QTC0034	-	6
Static Mixing Tube	2QTC0030	3COS0071	75
Manual Applicator Gun	3COS0074	3COS0074	1

Weiss COSMO Pu-100.130 1-Part Adhesive



This solvent and odour-free 1-part adhesive is ideal for bonding corner angles in many materials.

Very fast bonding time when over-sprayed with water

Ensure you read the Safety Data Sheet prior to purchasing

Description	VBH Code	Box Qty
Cosmopur 819 310ml White	3COS0073	20
Cosmopur 819 310ml Grey	3COS0078	20
Cosmopur 819 310ml Black	3COS0079	20

Weiss COSMO 1C-MS Anti Corrosion Sealant



Provides corrosion protection for cut aluminium sections including mitre joints

Fills gaps and provides elastic joint to compensate for joint expansion

Can be powder-coated

Previously known as Comofen AluProtektor

Description	VBH Code	Box Qty
HD-100.410 310ml Cartridge White	3COS0085	20
HD-100.411 310ml Cartridge Grey	3COS0086	20
HD-100.412 310ml Cartridge Black	3COS0087	20
HD-100.300-120 150g Tube Grey	3COS0088	20

Hand Tools

Hi-Tension Hacksaw



Description	VBH Code	Box Qty
Hi-Tension Hacksaw	3TLS0510	1

Glazing Shovel



Description	VBH Code	Box Qty
Glazing Shovel	3TLS0001	1

Key Sets



Description	VBH Code	Box Qty
8-Piece Folding Torx Key Set	3TLS0514	1



Description	VBH Code	Box Qty
8-Piece Folding Hex Key Set	3TLS0515	1

Easi-Gauge Sealed Unit Measuring Caliper



Description	VBH Code	Box Qty
Easi-Gauge Caliper	3TLS0093	1

Ribbed Level



Description	VBH Code	Box Qty
600mm (24") Ribbed Level	3TLS0511	1

Hand Tools

Mallets & Shears



Description	VBH Code	Box Qty
Fixed Mitre Shears	3TLS0004	1
Spare Blade	3TLS0064	1
Spare Cutting Plate	3TLS0065	1



Description	VBH Code	Box Qty
16 oz Fibreglass Rubber Mallet White Head	3TLS0502	1/24



Description	VBH Code	Box Qty
Multi-Purpose Shears	3TLS0007	1

Hand Tools

Utility Knife



Description	VBH Code	Box Qty
Utility Knife	3TLS0512	1/24

Tape Measure



Description	VBH Code	Box Qty
3m x 16mm Tape Measure	3TLS0110	1
5m x 19mm Tape Measure	3TLS0111	1
8m x 25mm Tape Measure	3TLS0112	1

Suction Cup Glass Lifter



Description	VBH Code	Box Qty
Heavy Duty Dual Suction Cup Lifter	3TLS0513	1

Driver Bits & Holder

Description	VBH Code	Box Qty
Magnetic Driver Bit Holder	3TLS0203	1
#2 Phillips Bit 25mm	3TLS0202	1
#2 Phillips Bit 50mm Long	3TLS0207	1
#2 Phillips Bit 70mm Long	3TLS0205	1

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- Current price checks
- Product configurator for Bi-Folds, Tilt & Turns etc
- Order tracking facility
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- Ordering function

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You



www.vbhgb24.com



VBH despatch



You

Concise Buyers' Guide

By Brand

Adams Rite -

Access Control
Door Locks
Emergency Exit Hardware
Transom Closers

Alpro -

Door Closers
Pull Handles

Argenta -

Door Hinges
Window Hinges

Axim -

Flush Bolts

J Banks -

Door Restrictors
Window Restrictors

Caldwell -

Folding Openers
Spring Catches
Window Restrictors

Cotswold -

Friction Stays
Parallel Opening Stays
Window Restrictors

Dorma -

Door Closers

Dr Hahn -

Door Hinges

Duco -

Louvre Grilles
Ventilators

Exidor -

Emergency Exit Hardware

Exitex -

Door Threshold

Fenster -

Window Restrictors

Gea -

Door Closers

greenteQ

Adhesive
Bi-Fold Door Hardware
Door Handles
Door Hinges
Door Knockers
Door Restrictors
Door Threshold
Door Viewers
Friction Stays
Friction Stay Security Devices
Gaskets
Hand Tools
Letterboxes
Monkey Tail Decorative Casement Stays
Monkey Tail Espag Handles
Patio Door Handles
Profile Cylinders
Pull Handles and Rosettes
Silicone
Sliding Door Handles
Tilt & Turn Handles
Weather Bar
Window Espagnolettes
Window Handles (Espagnolette, Monkey Tail & Cockspur)

Giese -

Door Locks

Glaß art -

Drain Hole Covers
Frame Packers
Glazing Packers
Glazing Bridges
Run-Up Blocks
Packers for Professionals
Ventilators

Greenwood -

Ventilators

GU/Ferco -

Door Locks
Stable Door Locks
Window Restrictors
Window Hinges

Gutmann -

Drain Track

Haps -

Door Hinges
Window Hinges

Hautau -

Window Restrictors

Hoppe -

Door Knockers
Door Handles
Door Numerals
Letterboxes
Patio Door Handles
Tilt & Turn Handles
Window Handles (Espagnolette)

Kaba -

Profile Cylinders

Kenrick -

Espagnolettes
Window Shootbolts

KFV -

Door Locks
Finger Bolts
Stable Door Locks

Locit -

Door Restrictors
Toe & Heel Sashjacks
Window Restrictors

Maco -

Door Hinges
Door Locks
Door Restrictors
Finger Bolts
Friction Stay Security Devices
Lift/Slide Patio Gear
Parallel Sliding Hardware
Tilt & Turn Gear
Tilt/Slide Patio Door Gear
Window Espagnolettes
Window Restrictors
Window Security Espagnolettes (RAIL)
Window Shootbolts



Concise Buyers' Guide

By Brand

Paddock - (Yale)

Door Furniture
Letterboxes

Peder Nielsen (PN) -

Reversible Window Gear

PetSafe -

Cat Flaps
Pet Doors

Renson -

Door Hinges
Louvre Grilles
Ventilators
Window Hinges

Roto -

Bi-Fold Door Gear
Door Handles
Door Hinges
Door Locks
Door Restrictors
Door Threshold
Lift/Slide Door Gear
Sliding Door Gear (Inline)
Tilt & Turn Gear
Tilt & Turn Handles
Tilt/Slide Patio Door Gear
Window Espagnolettes
Window Restrictors
Window Security Espagnolettes (TSL)
Window Shootbolts

Securistyle -

Friction Stays
Friction Stay Security Devices
Parallel Opening Stays
Window Handles
Window Restrictors

Siegenia -

Bi-Fold Door Gear
Lift/Slide Door Gear
Sliding Door Gear (Inline)
Tilt & Turn Gear
Tilt & Turn Handles
Tilt/Slide Patio Door Gear

Staywell -

Cat Flaps
Pet Doors

Strand -

Door Restrictors
Electric Fanlight Gear
Emergency Exit Hardware
Fanlight Winding Gear
Finger Protection
Folding Openers
Motorised Emergency Exit Hardware
Screwjacks

Weiss-Chemie -

Adhesives
Care & Maintenance Sets
Cleaners

WD-40 -

GT85 Lubricant Spray
SG85 White Grease

Yale -

Access Control
Door Furniture
Door Handles
Door Locks
Electronic Door Locks
Emergency Exit Hardware
Finger Bolts
Friction Stays
Letterboxes
Profile Cylinders
Repair Door Handles
Repair Door Locks
Replacement Gearboxes
Sliding Door Gear (Inline)
Top Swing Fully Reversible
Window Security Espagnolettes (Encloser, Defender and Blade)
Window Shootbolts

Concise Buyers' Guide By Product

Access Control -

Adams Rite
Yale

Adhesive -

greenteQ
Weiss-Chemie

Bi-Fold Door Hardware -

greenteQ
Roto
Siegenia

Cat Flaps -

PetSafe
Staywell

Cleaners & Care Kits -

greenteQ
Weiss-Chemie

Door Closers - (Overhead & Transom)

Adams Rite
Alpro
Dorma
Geø

Door Finger Protection -

Strand

Door Furniture -

greenteQ
Hoppe

Door Handles -

greenteQ
Hoppe
Roto
Yale

Door Hinges

greenteQ
Argenta
Dr. Hahn
Giesse
Haps
Maco
Roto

Door Locks - Multipoint

Ferco
GU
KFV
Maco
Roto
Yale

Door Locks: Mortice -

Adams Rite
esco
Giesse
Yale

Door Restrictors -

greenteQ
Locit
Maco
Roto
Siegenia
Strand

Door Security Products -

greenteQ
J Banks
Yale

Door Threshold -

greenteQ
Exitex
Roto

Drain Track -

Gutmann

Emergency Exit Hardware -

Adams Rite
Exidor
Strand
Yale

Fanlight Gear -

Caldwell (Spring Catches & Folding Openers)
Highline (Electric or Winding System)
Quickline (Electric or Winding System)
Pace (Folding Openers)
Strand (Folding Openers)

Friction Stays -

greenteQ
Cotswold
Securistyle
Yale

Friction Stay Security Devices -

greenteQ
Maco
Securistyle
Yale

Flush & Finger Bolts -

Axim
Maco
Siegenia
Yale

Glas ng Packers & Bridges -

Glap art

Hand Tools -

greenteQ
Various

Inline Sliding Door Hardware -

greenteQ
Roto
Siegenia
Yale

Letterboxes -

greenteQ
Black Antique
Paddock
VBH Commercial
Yale

Lift/Slide Door Hardware -

Maco
Roto
Siegenia

Louvre Grilles -

Duco
Renson

Lubricants -

GT85 Spray with PTFE
SG85 White Grease

Motorised Emergency Exit Hardware -

Strand

Parallel Sliding Door Gear -

Maco



Concise Buyers' Guide By Product

Pet Doors -

PetSafe
Staywell

Profile Cylinders -

greenteQ
Kaba Gege
Yale

Pull Handles and Rosettes -

greenteQ
Alpro
Hewi

Repair Locks & Replacement Gearboxes

Yale Doormaster

Reversible Window Hardware -

PN (Peder Nielsen)
Yale

Run-Up Blocks -

Glap art

Seals & Draught-Proofing -

greenteQ

Security Casement Locking Systems -

Maco (RAIL)
Roto (TSL)
Yale (Encloser, Defender & Blade)

Silicone Sealant -

greenteQ
Soudal

Sliding Door Gear - (Inline)

Roto
Siegenia
Yale

Sliding Door Handles -

greenteQ
Roto
Yale

Stable Door Locks -

GU
KFV
Maco
Roto

Tilt/Slide Door Hardware -

Maco
Roto
Siegenia

Tilt & Turn Hardware -

Maco
Roto
Siegenia

Tilt & Turn Handles -

greenteQ
Hoppe
Roto
Siegenia

Ventilators - (Through-frame & Glazed-in)

Duco
Glap art
Greenwood
Renson

Weather Bar -

greenteQ
Exitex
Roto

Window Espagnolettes -

greenteQ
Kenrick
Maco
Roto
Yale

Window Handles -

greenteQ
Hoppe
Securistyle
Yale

Window Hinges - (Fixed Pivot)

GU
Haps
Roto
Siegenia

Window Security Locking Systems -

Maco (RAIL)
Roto (TSL)
Yale (Encloser, Defender & Blade)

Window Restrictors -

greenteQ
J Banks
Caldwell
Cotswold
Fenster
Hautau
Locit
Maco
Roto
Securistyle
Siegenia

Window Shootbolts -

greenteQ
Kenrick
Maco
Roto
Yale

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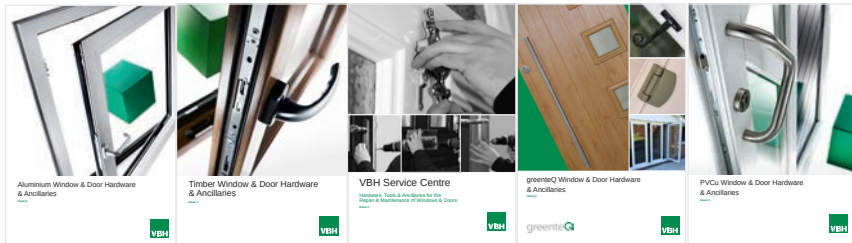


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