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Escutcheons

Oval Cylinder Escutcheons 3400 to 3500

Use with Legge 990 MF Series, Lockwood 3500 Series, Astra mortise locks (Australasia), and Union (UK).

Maximum door thickness with standard length cylinders	
3400, 3440, 3450, 3470, 3490 Escutcheon	56mm
3410, 3420, 3430 Escutcheon	52mm
3500 Escutcheon	50mm

Fastened with socket set screw on the underside.
To specify: 3400 etc., Finish.

Note: The term "spindle" below, is also termed "Tail Piece".

Turn Escutcheons 3401 to 3501

The turn mechanism is fastened to the door with screws, then concealed by either a 'screw-on' round style cover or a socket set screw on the underside of the square style covers. Key bars or recess for spindle to suit locks as detailed.

A – 6mm x 2mm bar for:

- Legge 990 MF Series and Lockwood 3500 Series mortise locks. (Australasia)
- Baton and similar tubular deadbolts.

B – $\frac{3}{16}$ " square spindle for Yale 4600, 8600 and 8700, and Schlage L Series mortise locks (USA)

C – 4.5mm square spindle
D – 7.0mm square spindle
E – 7.6mm square spindle
F – 8.0mm square spindle
G – 5.0mm square spindle
H – 6.0mm square spindle

These spindles have a 2mm flat extension bar when ordered with Emergency Turns. Add suffix ET to order code eg. To specify: 3401F/Finish/ET

J – $\frac{3}{16}$ " square spindle on the diamond (◊) for Accurate Locks and Baton privacy Bolts (USA)

L – 8mm square recess for chant™ Cylinder Turn Adaptor.
To specify: 3401/A, B, etc./Finish

Emergency Turn Escutcheons 3402 to 3502

The turn mechanism is fastened to the door with screws, then concealed by either a 'screw-on' round style cover or a socket set screw on the underside of the square style covers. Turn operated by the key bar on 3401 to 3501 Turn Escutcheon above.

To specify: 3402 etc., Finish

Emergency Turn / Indicator Escutcheons 3402i to 3502i

The turn mechanism is fastened to the door with screws, then concealed by either a 'screw-on' round style cover or a socket set screw on the underside of the square style covers. Turn operated by key bar on 3401 to 3501 Turn Escutcheon above. Red and green colour indicator behind the turn button shows the lock status.

To specify: 3402i etc., Finish

Bell Push

Chant™ provides two types of Bell Push, one having a luminous concentric screen around the push button and one without the luminous characteristics. The screen glows once the button is activated providing a positive visual feedback of the bell activation. These Bell Pushes are available with our range of escutcheons to match the interior style language.

Profile Cylinder Escutcheons 3403 to 3503

Use with all profile cylinder mortise locks.

Maximum door thickness	
3403, 3443, 3453, 3473, 3493 escutcheon with 5 pin cylinder	46mm
3403, 3443, 3453, 3473, 3493 escutcheon with 6 pin cylinder	54mm
3413, 3423, 3433, 3503 escutcheon with 5 pin cylinder	42mm
3413, 3423, 3433, 3503 escutcheon with 6 pin cylinder	50mm

Fastened with socket set screw on the underside.
To specify: 3403 etc., Finish

Pull Turns 3404A to 3504A and 3405A to 3505A For Legge 990 Series mortise locks.

Pull Turns 3404B to 3504B and 3405B to 3505B For SAB and similar profile cylinder mortise locks.

Pull Turns are fitted to the inside of entrance doors to withdraw the latch bolt, when key entry is used on the outside. The turn base is securely fastened to an adaptor plate which is fixed to the side of the lock case prior to installation in the door.

The Pull Turns in group 3405 to 3505 are a styling alternative to the previous group. The turn knob is fitted to a boss on the rose base with a socket set screw.

Depending on the lock used, specify the spindle bar type required from the chart opposite for turn escutcheons: typically A, E or F. Note: the 3444 to 3494 and 3445 to 3495 Pull Turns can not be used with the adaptor plate because of their narrow body. They are fastened instead with four woodscrews to the surface of the door. Refer to Technical Section for an exploded view of the fastening of the Pull Turn to the lock.
To specify: 3404A or B etc., Spindle Type, Finish

Escutcheon Dimensions

Diameter or square	50mm
Line range 1 (vertical)	32mm x 50mm
Line range 2 (horizontal)	50mm x 32mm
Line range 3	50mm x 38mm
Line range 4	60mm x 32mm
Line range 5	60mm x 38mm

3400, 3403, 3440, 3443, 3450, 3453
3470, 3473, 3490, 3493
Cylinder escutcheon projection
 7mm |

3410, 3413, 3420, 3423, 3430, 3433
Cylinder escutcheon projection
 9mm |

3500, 3503
Cylinder escutcheon projection
 10mm |

3401, 3411, 3421, 3431, 3441, 3451
3461, 3471, 3481, 3491, 3501
Turn escutcheon projection
 30mm |

3404, 3414, 3424, 3434, 3444, 3454
3464, 3474, 3484, 3494, 3504
Pull/Turn escutcheon projection
 48mm |

Non-standard Escutcheons: Custom shaped escutcheons can be produced to order.

Side Profile	Radius	Facet	Square	Pyramid	Line	Line A1	Angle/ Rod
	3400	3410	3420	3430	3440	3440 - A1	3450
	3401	3411	3421	3431	3441	3441 - A1	3451
	3402	3412	3422	3432	3442	3442 - A1	3452
	3402i	3412i	3422i	3432i	3442i	3442i - A1	3452i
	3403	3413	3423	3433	3443	3443 - A1	3453
	3404	3414	3424	3434	3444	3444 - A1	3454
	3405	3415	3425	3435	3445	3445 - A1	3455

Threaded USA Cylinders

*3406-(1,2,3)	*3416-(1,2,3)	*3426-(1,2,3)	*3436-(1,2,3)	*3456-(1,2,3)

* Refer to page C#@ for technical information on USA Cylinder Options

Bell Pushes

3407-1	3417-1	3427-1	3437-1	3447-1	3447 - A1 - 1
3407-2	3417-2	3427-2	3437-2	3447-2	3447 - A1 - 2

Side Profile	Line 2	Line 3	Line 4	Line 5	Motor/Axis	Curve	Line 6
	340	3470	3480	3490	3500	3540	3550
	3461	3471	3481	3491	3501	3541	3551
	3462	3472	3482	3492	3502	3542	3552
	3462i	3472i	3482i	3492i	3502i	3542i	3552i
	3463	3473	3483	3493	3503	3543	3553
	3464	3474	3484	3494	3504	3544	3554
	3465	3475	3485	3495	3505	3545	3555

Threaded USA Cylinders

	*3476-(1,2,3)	*3496-(1,2,3)	*3506-(1,2,3)	*3546-(1,2,3)	*3556-(1,2,3)
* Refer to page C#@ for technical information on USA Cylinder Options					
3467-1	3477-1	3487-1	3497-1	3507-1	3547-1
3467-2	3477-2	3487-2	3497-2	3507-2	3547-2

Side Profile

Square Line

Line 7



3550 - A1

3560



3551 - A1

3561



3552 - A1

3562



3552i - A1

3562i



3553 - A1

3563



3554 - A1

3564



3555 - A1

3565

Covered cylinder escutcheons for round or USA cylinder barrels



3516-1



3516-2



closed



3526-1



3526-2

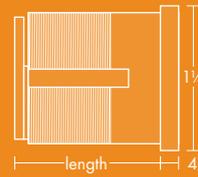


closed

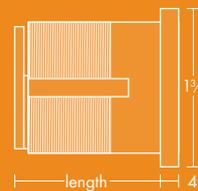
Cylinder Escutcheons for Round or USA Cylinder Barrels

These escutcheons are designed to suit three types of round cylinders. The code number suffix denotes the type of cylinder, e.g.

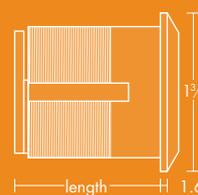
3601-1 1 1/4" Ø (32mm) x 1/8" (4mm) deep recess for 1 1/4" Ø Cylinders



3601-2 1 3/8" Ø (35mm) x 1/8" (4mm) deep recess for 1 3/8" Ø Cylinders



3601-3 1 3/8" Ø (35mm) x 1/16" (1.6mm) deep recess for 1 3/8" Ø Cylinders with a chamfered face



* These escutcheons are not available as they are 32mm high and will not accommodate the 35mm Ø cylinder flange.

Threaded USA Cylinders



*3555 - A1-(1,2,3)



*3566-(1,2,3)



3555-1



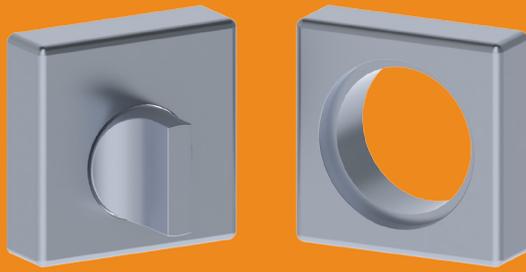
3566-1



3555-2



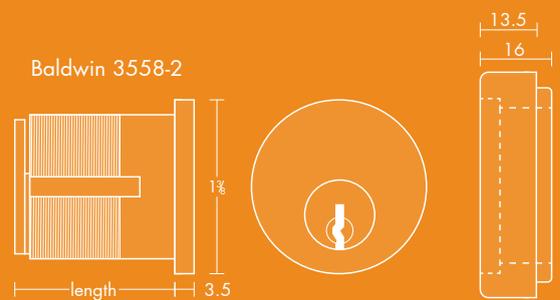
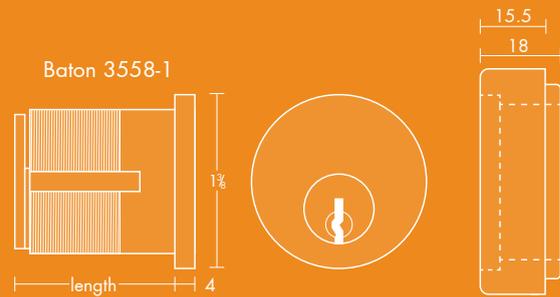
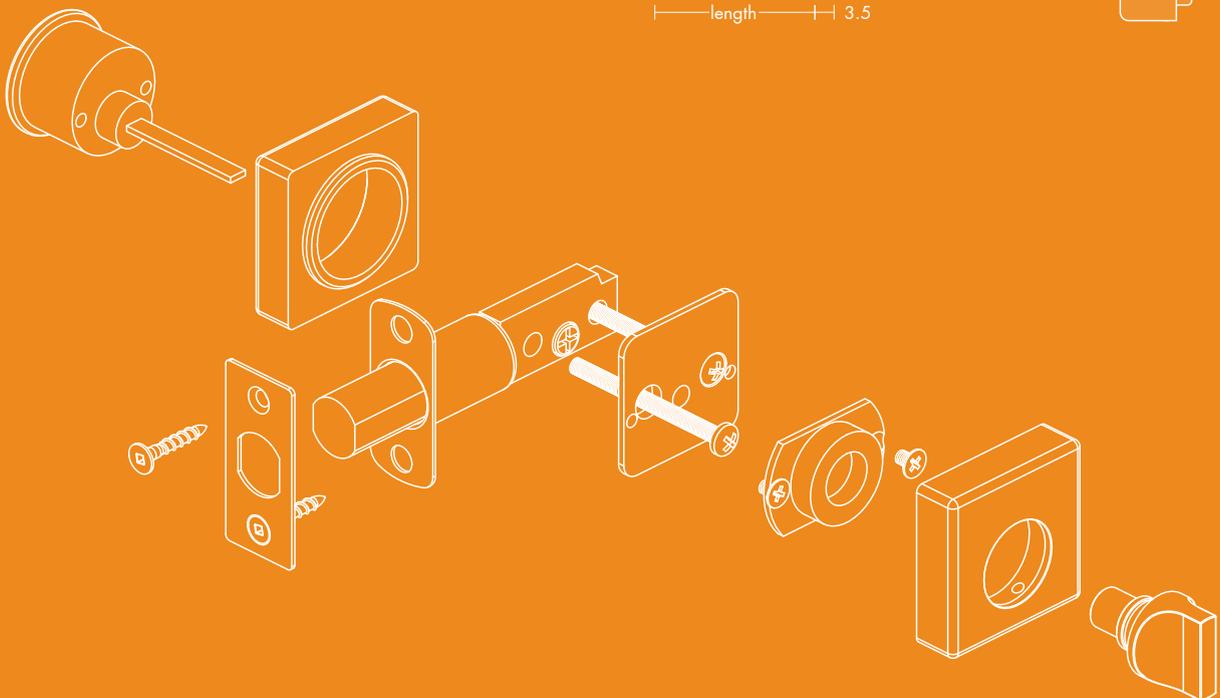
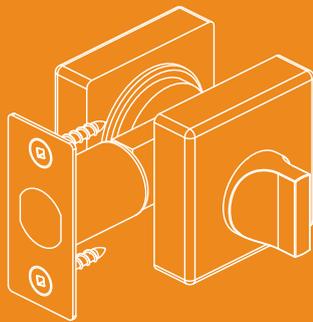
3566-2



USA Deadbolt Escutcheons

These escutcheons are designed to suit two types of round Deadbolt cylinders. The code number suffix denotes the type of cylinder, e.g.

3887-1 1 $\frac{1}{8}$ " \varnothing (35.3mm) x $\frac{1}{8}$ " (4mm) deep recess for 1 $\frac{1}{8}$ " \varnothing Cylinders



Door Stops



Wall Door Stop 3201

Diameter at base 25mm
Projection 75mm

The mounting collar is fastened to the wall with an 8 gauge screw. The Door Stop is fastened to the collar with 2 x socket set screws.



Floor Door Stop 3202

Diameter at base 38mm
Projection 35mm

Fastened to the floor with 2 x woodscrews or, 2 x 6.0 or 6.5mm countersunk masonry anchors. The rubber insert is fastened by a hex cap screw from the rear.



Floor Door Stop 3203 with 15mm Extension

Diameter at base 42mm
Projection 50mm

Fastened to the floor with 2 x woodscrews or, 2 x 6.0 or 6.5mm countersunk masonry anchors. The rubber insert is fastened by a hex cap screw from the rear.



Wall Door Stop 3205

Diameter at base 25mm
Projection 75mm

The mounting collar is fastened to the wall with an 8 gauge screw. The Door Stop is fastened to the collar with 2 x socket set screws.



Floor Door Stop 3206

Diameter at base 38mm
Projection 35mm

Fastened to the floor with 2 x woodscrews or, 2 x 6.0 or 6.5mm countersunk masonry anchors. The rubber insert is fastened by a hex cap screw from the rear.



Floor Door Stop 3207

Diameter at base 38mm
Projection 50mm

Fastened to the floor with 2 x woodscrews or, 2 x 6.0 or 6.5mm countersunk masonry anchors. The rubber insert is fastened by a hex cap screw from the rear.



Carpet Base 3209

Diameter 44mm
Height 6mm

Fastened to a carpeted floor first then fasten a 3202, 3206 or 3207 Floor Door Stop to it. The Carpet Base is secured to the floor with two screws on its centreline to keep it flat. the door stop then stays perpendicular to the door.



Line Door Stops

Bifold Door Stop 3210

Width 50mm
Height 25.4 mm
Projection 17.5mm

Two mounting collars are fastened to the door with two 6 gauge screws. The Door Stop is fastened to the collars with 2 x socket set screws.



Wall Door Stop 3211

Square 22mm
Projection 75mm

The mounting collar is fastened to the wall with an 8 gauge screw. The Door Stop is fastened to the collar with 2 x socket set screws.



Floor Door Stop 3212

Square 32mm
Projection 35mm

Fastened to the floor with 2 x woodscrews or, 2 x 6.0 or 6.5mm countersunk masonry anchors. The rubber insert is fastened by a hex cap screw from the rear.



Floor Door Stop 3213

Square 32mm
Projection 50mm

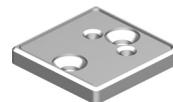
Fastened to the floor with 2 x woodscrews or, 2 x 6.0 or 6.5mm countersunk masonry anchors. The rubber insert is fastened by a hex cap screw from the rear.



Sliding Door Stop 3214

Rectangular 15 x 32mm
Length 40mm

The mounting base is fastened to the door with 4 x 8g screws. Door Stop clips onto the base.



Carpet Base 3219

Square 38mm
Height 6mm

Fastened to a carpeted floor first then fasten a 3212 or 3213 floor door stop to it. The Carpet Base is secured to the floor with two screws on its centreline to keep it flat. the door stop then stays perpendicular to the door.



Door stop below shown with the magnet discs rotated to the round position.

Magnetic Wall Stop 3220

Square 32mm
Lengths 70mm
Projection 86 or 89mm

The mounting collar is fastened to the wall with an 8 gauge screw. The Door Stop is fastened to the collar with 2 x socket set screws. The cap is fastened with a socket set screw on one side.



Magnetic Floor Stop 3221

3221W
(wall mount, radiused on all sides)
Square 38mm
Projection 54 or 57mm

Fastened to the floor with 2 x woodscrews or, 2 x 6.5mm countersunk masonry anchors. The cap is fastened with 2 x socket set screws on the sides.



Magnetic Floor Stop 3222

Square 38mm
Height 60mm
Projection 54 or 57mm

Fastened to the floor with 2 x woodscrews or, 2 x 6.0 or 6.5mm countersunk masonry anchors. The cap is fastened with 2 x socket set screws on the sides.



Bifold Magnetic Catch 3223

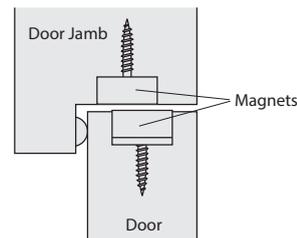
Height 25mm
Width 50mm
Projection 21mm

Two magnets encased in brass blocks, semi-concealed fixing with mounting collars.



Pro Magnet Catch 3228

Diameter 22mm



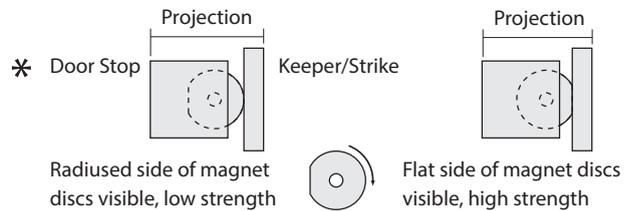
Magnetic Door Stops

Chant™ magnetic door stops are unique in that they have multiple hold strengths. The two steel magnet discs can be rotated 180 degrees to provide two different hold back strengths along with two keeper styles providing two additional strength options.

The magnet and discs are mounted on a spindle with flats on each end. The spindle flats press against two springs in the base and the cap and align the magnet discs either way. The springs also cushion the contact of the door and keeper onto the magnet discs.

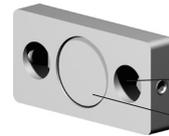
The steel magnet discs, the plug in Keeper A and Keeper B are Electroless Nickel Plated for a long service life outdoors.

One use of a magnetic door stop is as a hold back function on an exterior door. Therefore, wind loadings play an important role in their performance. As an example, the direct pressure exerted on a door of area, 2 square metres, from a wind at 40kph (24mph) is approximately 7kg. Air movements around the door will have different effects on the hold back function.



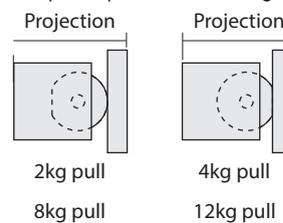
Keeper A

Size 25 x 50mm
Projection 10mm
Brass or bronze body with a thin wall in front of the steel plug. Provides more flexibility with the "Living" finishes.



Holes for the semi-concealed fix mounting collars
Steel plug

Keeper A provides less magnetic hold back force



* Keeper B provides greater magnetic hold back force



Keeper B

Size 19 x 50mm
Projection 10mm
Steel body. Finishes available: all electroplated finishes.

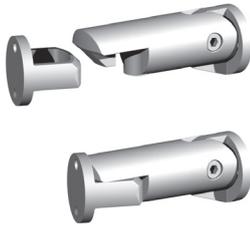


Semi-concealed fix mounting holes
Steel body

To order Magnetic Door Stops, specify: (example)

Code Number	Keeper	Finish
3221	A or B	SCPV

Hold Backs



Hold Back 3240
Installed length 80mm

The hook bar has an integral rubber door stop and a nylon anti-rattle catch mechanism.



Line Hold Backs

Line Hold Back 3250
Installed length 80mm
The hook bar has an integral rubber door stop and a nylon anti-rattle catch mechanism.



Pedestal Hold Back 3241
Height 160mm

Fastened to the floor with 3 x countersunk woodscrews or, 3 x 6.0 or 6.5mm countersunk masonry anchors.



Line Pedestal Hold Back 3251

Overall Height 160mm
Fastened to the floor with 4 x countersunk wood screws or 4 x 6.0 or 6.5mm countersunk masonry anchors.



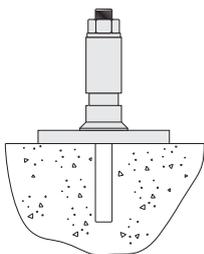
Pedestal Hold Back 3242
Height 160mm

Fastened to concrete with an M8 masonry anchor.



Line Pedestal Hold Back with Foot Release 3252

Overall Height 160mm
Fastened to the floor with 4 x countersunk wood screws or 4 x 6.0 or 6.5mm countersunk masonry anchors.



Masonry Anchor Fixing and Stem for Pedestal Hold Back

The column of the holdback fastens to the stem with 2 x socket set screws from the rear.



Line Pedestal Hold Back 3253

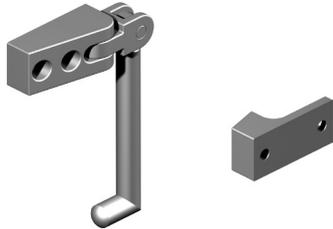
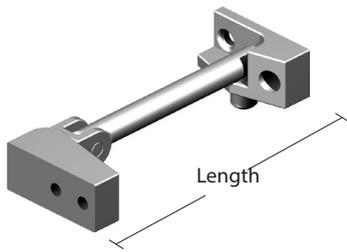
Overall Height 160mm
Fastened to the concrete floor with an M8 masonry anchor.



Line Pedestal Hold Back with Foot Release 3254

Overall Height 160mm
Fastened to the concrete floor with an M8 masonry anchor.

Cabin Hook 3270



Cabin Hooks

This door catch can be used when it is not practical or possible for a door to swing back against the wall and be held by magnetic catches, hold backs, or pedestal hold backs.

This is a contemporary version of a classic product. Designed to complement the style of our other accessories.

The lengths stated are taken from the faces of the hook mounting block and the anchor block.

The two blocks measure 36mm x 16mm and are fixed with 8g screws.

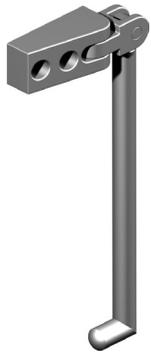
The hook bar is 8mm in diameter.

Handing - These cabin hooks are handed Left and Right. Left Hand shown.

Cabin Hook Sizes and Code Numbers

Code Number	Length
3270	100mm
3271	150mm
3272	200mm
3273	300mm

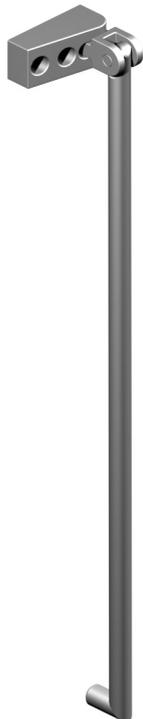
3271



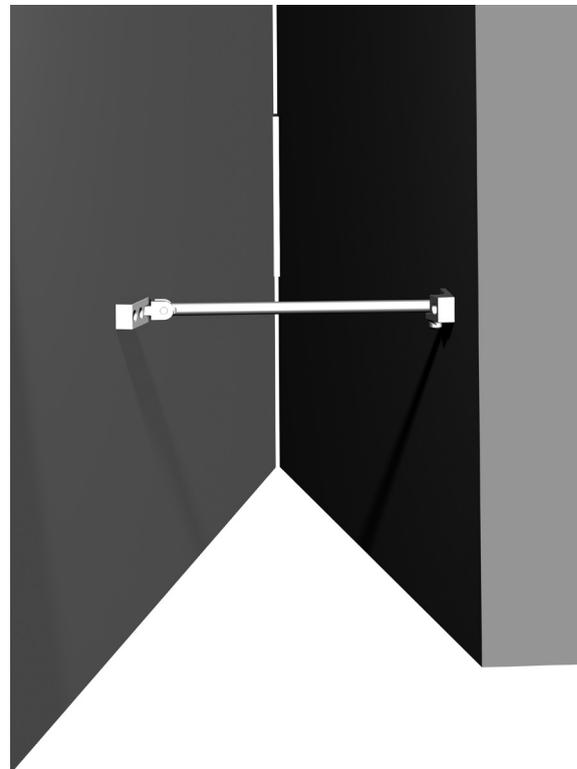
3272



3273



Images shown are all Left Hand "LH"



Introduction to Flush Pulls and Associated Locking Systems

Our range of flush pulls has expanded over time to become an extensive collection of sizes and styles, with many complementary locking versions which can be used in a variety of design concepts and applications.

Our manufacturing methods allow for customisation, and the ability to add new configurations between the standard flush pulls and the locking versions.

Specification and Ordering

Our designs have grown from our own observations of gaps in available hardware, new requests, higher levels of complexity in the construction industry, and often inadequacies in other proprietary products.

In order to provide high quality solutions, it is essential for the designer and specifier to have a good understanding of, and the potential of our designs, and be able to relate them to the project in hand.

If you have queries and need clarification of any detail, please consult our Technical Support Team for advice to ensure the specification is correct first time.

Typical features are:

- Machine radiused edges with an enlarged internal recess for a soft touch
- 2mm face flange for minimal projection off the door surface
- Made from brass for the electroplated and "Living" finishes, and bronze for polished bronze and its "Living" finishes
- Two piece construction allows for fully machined and finished surfaces
- Internal finger depth of 12.5mm for all standard products, the exception being the Off Set Flush Pulls which are 20mm deep
- A variety of fixing options for all applications as detailed below
- Style options for the outer shape to complement the interior design
- All locking screws are M6 socket set screws for a secure fixing

Fixing Options

These options generally relate to our flush pulls and the various locking flush pulls, with some of them being used on sliding bolts.

A Fixing. Aluminium doors, single side. This requires a machined opening to insert the flush pull into. The flush pull hooks into the aluminium at the bottom and is fastened by a socket set screw at the top of the finger recess into the top of the opening.

B Fixing. Wood doors, single side, or when flush pulls are on both sides of the door but not opposite each other. This requires an accurately routed recess to accept the flush pull, and its mounting blocks top and bottom, screwed in place. The flush pull is inserted into the mounting blocks, then fastened with a socket set screw at the top of the finger recess.

C Fixing. Wood doors, back to back, with flush pulls opposite each other. This requires accurate routing of the recesses on both sides of the door, exactly opposite each other. The outside flush pull is back fixed with mounting screws that pass through

A Fixing



B Fixing



C Fixing



D Fixing



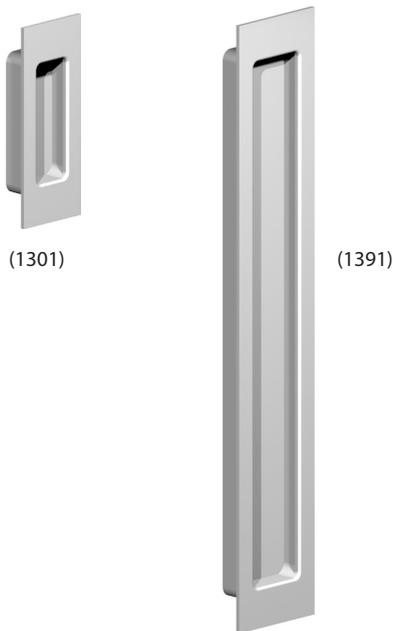
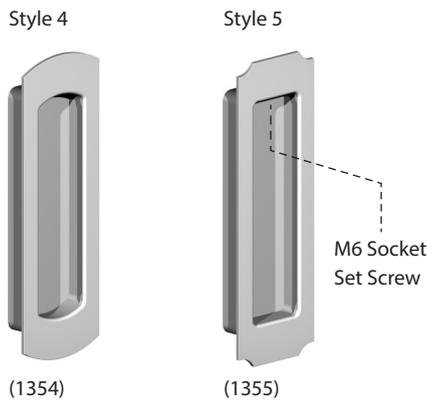
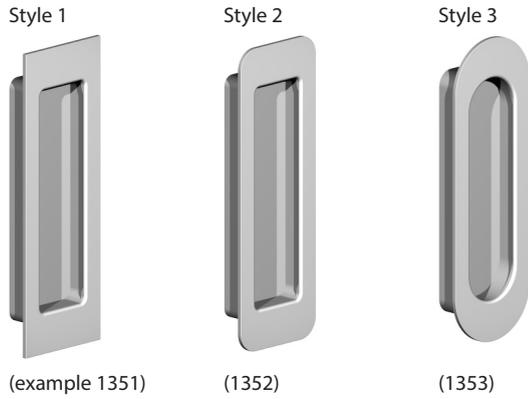
the mounting blocks on the inside of the door. The inside flush pull is inserted into the mounting blocks then fastened with a socket set screw at the top of the finger recess.

D Fixing. Aluminium doors, back to back fixing, where fixing security of the outside flush pull is essential. This requires a machined opening to insert the flush pulls into, on both sides of the door stile. The outside flush pull is fixed from the inside of the stile with screws and a clamp block. The inside flush pull is then fastened by a socket set screw at the top of the finger recess into the top of the opening. Used with Locking, VS Locking and VS Euro Locking Flush Pulls and VS Euro Locking Flush Bolts.

E Fixing. For drawer pulls only. One screw at each end of the drawer pull, fixing from the rear into the drawer pull through the drawer front.

Installation

For the full range of our flush pulls, locking versions and sliding bolts etc, we strongly recommend the use of our Door Machining Equipment to accurately and efficiently prepare wood doors for a high quality, installed finish to the hardware. Template guides, be them ours, or tooling made by a professional installer, are essential to minimise mistakes and provide a high quality finish.



Flush Pulls

Designed to fit on wood and aluminium doors with fixing options as previously detailed A to D. They have full machine radiused, internal edges for a soft touch. The wide range of sizes and styles enable them to be used in many design concepts and situations.

They complement other chant™ products and can be used to continue a theme throughout a project.

All internal flush pulls of a pair back to back, and singles, are fastened into their mounting blocks with an M6 socket set screw at the top of the finger recess.

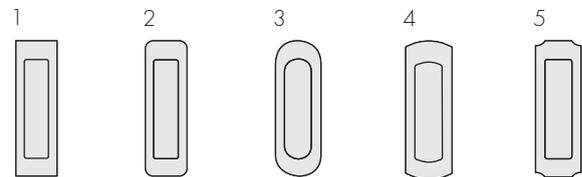
Flush Pulls with fixing option A are also suitable for glue fixing.

Back to back fixing on external doors of same size flush pulls, provide security of the outside pull without visible fixings showing, and the ability to use different finishes on each side of the door, order carefully.

When completing a specification with multiple flush pull sizes and fixing options, detail the requirements fully.

For quality and expedient installation, precise machining of the recesses required in wood doors can be achieved with our Door Machining Jigs. For aluminium doors, the cut outs required would normally be done in the fabrication shop on CNC machines.

Style Options:



Flush Pull Sizes and Code Numbers

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
38 x 100	20 x 60	1301	1302	1303	1304	1305
38 x 150	20 x 110	1311	1312	1313	1314	1315
38 x 175	20 x 135	1321	1322	1323	1324	1325
38 x 200	20 x 160	1331	1332	1333	1334	1335
38 x 250	20 x 210	1341	1342	1343	1344	1345
50 x 150	30 x 110	1351	1352	1353	1354	1355
50 x 175	30 x 135	1361	1362	1363	1364	1365
50 x 200	30 x 160	1371	1372	1373	1374	1375
50 x 250	30 x 210	1381	1382	1383	1384	1385
50 x 300	30 x 260	1391	1392	1393	1394	1395

To specify: (example)

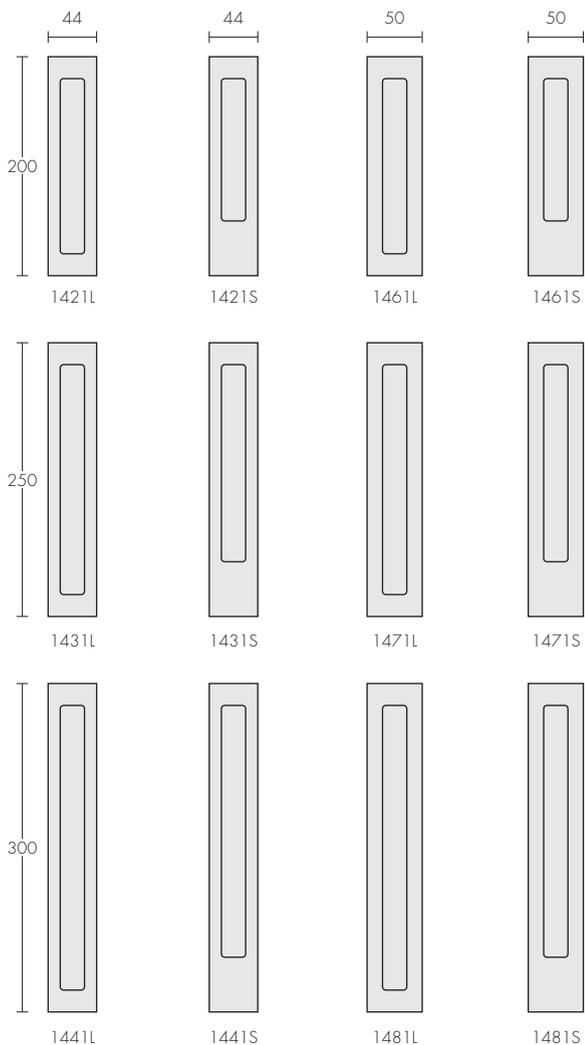
Code Number	Fixing Option	Door Thickness	Finish
1341 A, B, C, D	40mm	SCPV	

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.



1461S example
50mm x 200mm
Style 1

1861 example
50mm x 200mm
Style 1

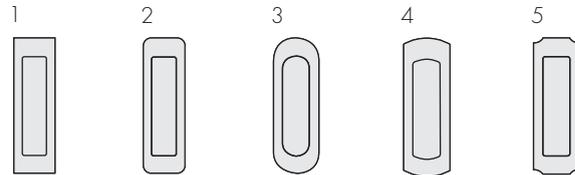


VS Flush Pulls

This range of flush pulls is designed to visually match the VS, and VS Euro Locking Flush Pulls, when used in single and double door applications, by matching the width and length of their finger recess, and the overall dimensions.

They can be installed with all fixing options, A, B, C, D. Order carefully when matching these flush pulls with locking flush pulls.

Style Options:



VS Flush Pull Sizes and Code Numbers

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
44 x 200	22 x 160	1421L	1422L	1423L	1424L	1425L
44 x 200	22 x 130	1421S	1422S	1423S	1424S	1425S
44 x 250	22 x 210	1431L	1432L	1433L	1434L	1435L
44 x 250	22 x 180	1431S	1432S	1433S	1434S	1435S
44 x 300	22 x 260	1441L	1442L	1443L	1444L	1445L
44 x 300	22 x 230	1441S	1442S	1443S	1444S	1445S
50 x 200	22 x 160	1461L	1462L	1463L	1464L	1465L
50 x 200	22 x 130	1461S	1462S	1463S	1464S	1465S
50 x 250	22 x 210	1471L	1472L	1473L	1474L	1475L
50 x 250	22 x 180	1471S	1472S	1473S	1474S	1475S
50 x 300	22 x 260	1481L	1482L	1483L	1484L	1485L
50 x 300	22 x 230	1481S	1482S	1483S	1484S	1485S

To specify: (example)

Code Number	Fixing Option	Door Thickness	Finish
1421L	C	45mm	SCPV

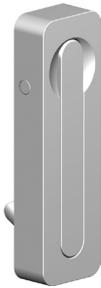
Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

To assist with installation, refer to Universal Jig 6043 in the Door Machining Equipment Section in this catalogue or on the website.

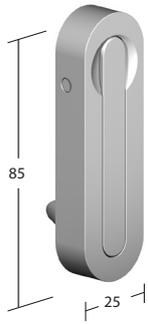
Recessed Pull
1501



Recessed Pull
1502



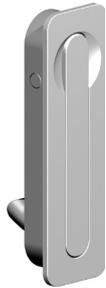
Recessed Pull
1503



1501R



1502R



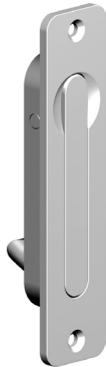
1503R



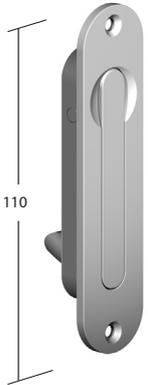
1501S
(25mm wide)/
1501SN
(23mm wide)



1501S
(25mm wide)/
1501SN
(23mm wide)



1501S
(25mm wide)/
1501SN
(23mm wide)



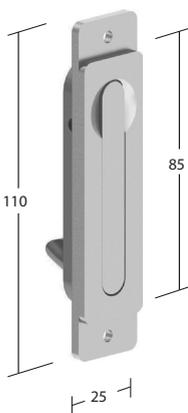
1502AS *



1502AS *



1502AS *



Recessed Pulls

Designed to be fitted to the edge of sliding doors or to the face of swinging doors.

1501 – 1503 are 25 x 85mm, conceal fixed.
1501R – 1503R are 25 x 85mm, conceal fixed.
1501S – 1503S are 25 x 110mm visible fixed.
1501SN – 1503SN are 23 x 110mm visible fixed.

Recessed Pull 1501 (wood doors)

Square corners – flush fitted. Machine recess as for 1502 with 9.5mm router cutter, then chisel the corners square. Use this style when being fitted with chant™ Sliding Door Privacy Flush Pull (the lock has a square cornered face plate to match).

1502 (wood doors)

4.75 mm radiused corners – flush fitted. Prepare recess with a 9.5 mm (3/8) diameter router cutter using a pilot guide and chant™ Routing Jig 6045; refer to Door Machining Equipment Section.

1503 (wood doors)

12.5mm radiused ends. Installation as for 1502 above, with the matching routing template.

1501R, 1502R, 1503R (Recessed for wood doors)

Square corners, radius corners, radiused end with rebate. These Recessed Pulls have a rebated body and 2mm thick face flange. Allows for more tolerance with the preparation of the recess in the door to accept the Recessed Pull.

1501S, 1502S, 1503S (Surface fixed, for aluminum doors)

Square corners, radiused corners, radiused end, 25mm wide with 3mm face flange and visible-fixing for fastening into aluminium door stiles.

1501SN, 1502SN, 1503SN (Surface fixed, narrow, for aluminum doors)

Square corners, radiused corners, radiused end, 23mm wide with 3mm face flange and visible-fixing for fastening into aluminium door stiles.

1501AS, 1502AS (Recess fixed inside aluminium profile)

5mm radiused corners, 25mm wide with 3mm face flange and visible-fixing for fastening into aluminium door stiles.

* - Provide section thickness eg. - 1.5 mm
- 2.0 mm
- 2.5 mm

To assist with installation, refer to Routing Jig 6045 in the Door Machining Equipment Section in this catalogue or on the website. There are two routing templates used for the installation of the 1500 – 1505 Recessed Pulls. The first template is used in the Routing Jig 6045 to guide the router for the primary or main recess to the correct depth, 12.5mm. The second template guides the router for the minor recesses to accommodate the ends of the pull handle.

Offset Flush Pulls

Designed primarily for heavy sliding doors when it is not possible to have protruding "D" handles, or similar, mounted on the door to assist in the opening function.

The finger recess is off to one side, so that the face of the flush pull rolls into one side of the recess, with no lip. This allows the door to be pulled open with good grip in the deep recess, until the door is opened sufficiently to be pushed on the edge of the stile.

The offset opening allows the lip on the leading edge to be double the width so that there is more finger grip when pulling the door closed from the opened position. The drawing shows the cross section of the offset flush pull and the handing.

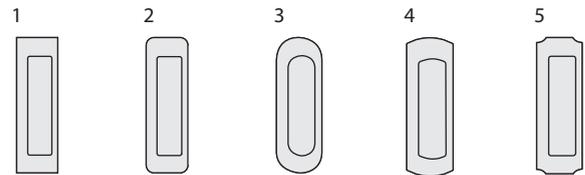
Handing must be specified so that the socket set screw fastening the flush pull, is in the top of the finger recess, out of sight.

The Offset pull has a flange thickness of 2mm and the recess depth is 20mm. Overall thickness with the back plate is 21.5mm.

A minimum door thickness of 47mm is required for back to back fixing. Less than this will limit installation to one side only, unless offset from each other.

Standard mounting options are available, A, B, C, D.

Style Options:



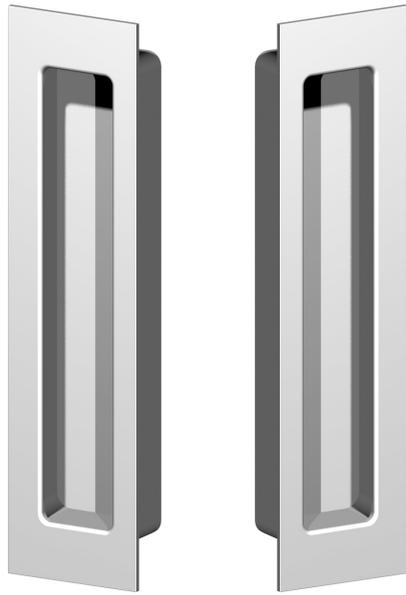
Offset Flush Pull Sizes and Code Numbers

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
50 x 150	29 x 110	1541	1542	1543	1544	1545
50 x 175	29 x 135	1551	1552	1553	1554	1555
50 x 200	29 x 160	1561	1562	1563	1564	1565
50 x 250	29 x 210	1571	1572	1573	1574	1575
50 x 300	29 x 260	1581	1582	1583	1584	1585

To specify: (example)

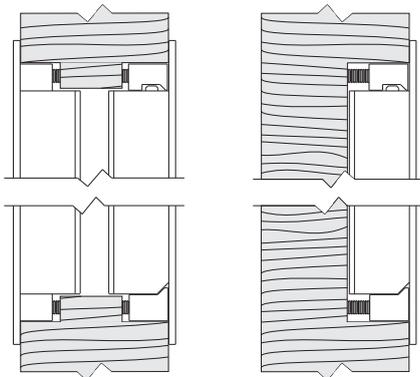
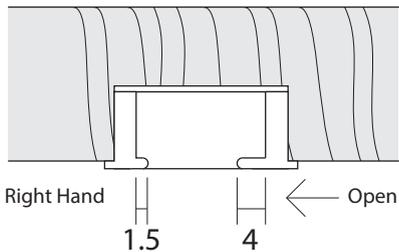
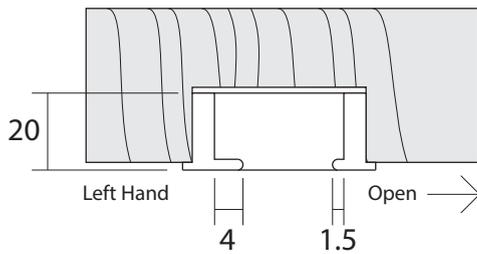
Code Number	Handing	Mounting Option	Door Thickness	Finish
1541	LH	A	40mm	SCPV

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.



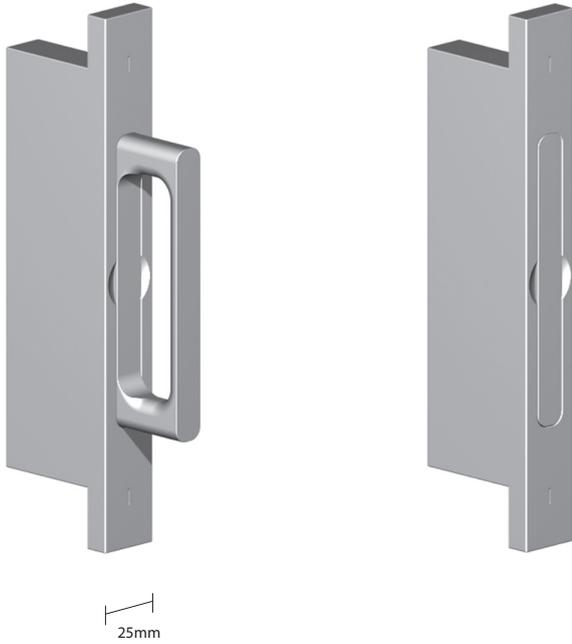
1561 LH example
50mm x 200 mm
Style 1

1561 RH example
50mm x 200 mm
Style 1



To assist with installation, refer to Universal Jig 6043 in the Door Machining Equipment Section in this catalogue or on the website.

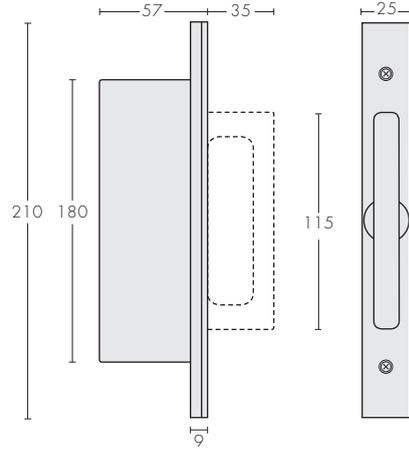
Sliding Door Hand Pull
1510



Sliding Door Hand Pulls

Sliding Door Hand Pull 1510

This is designed to be mortised into the edge of heavy sliding doors when a full hand grip is required. The handle ejects from the flush position with spring pressure, by being pushed in to release the catch mechanism holding it in. To store the handle, push it in to catch when flush.

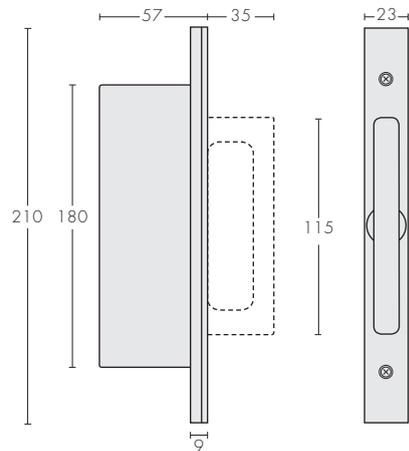


Sliding Door Hand Pull
1511

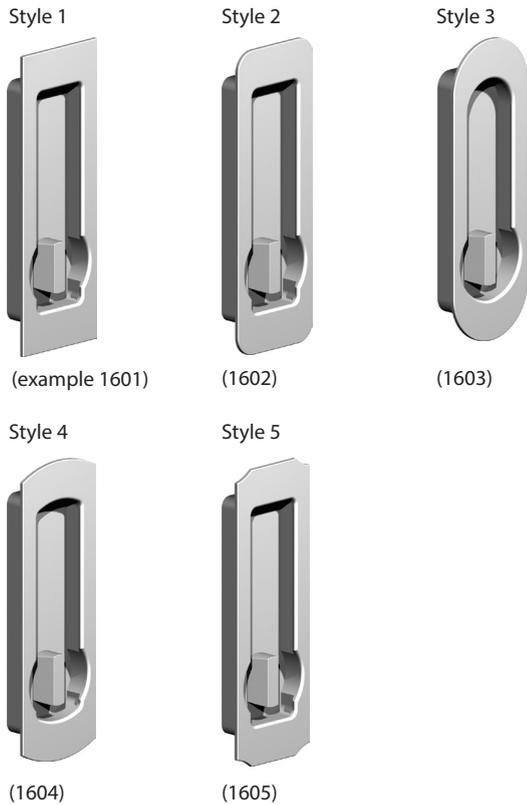


Sliding Door Hand Pull 1511

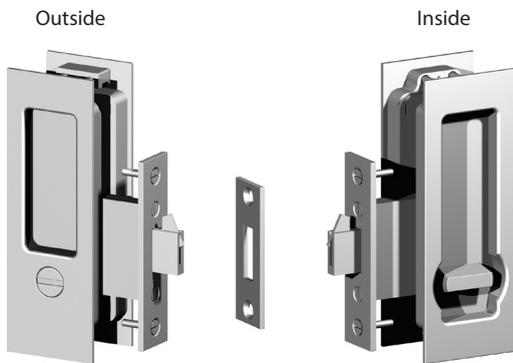
To fit into APL aluminium door stile.



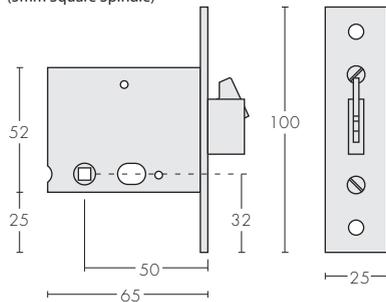
To assist with installation, refer to Mortising Machine 6005, Faceplate Routing Jig 6010 and Universal Jig 6043 in the Door Machining Equipment Section in this catalogue or on the website.



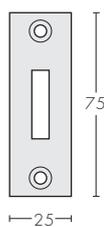
Privacy Flush Pull 1601TE



Privacy Sliding Door Lock 1647
(5mm Square Spindle)



Strike 1648



Privacy Flush Pulls

Designed to fit back to back on wood sliding doors of 35mm, minimum thickness.

The back set of the flush pull centreline is 50mm.

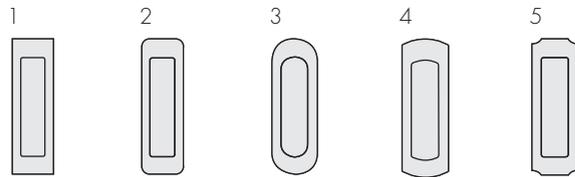
The outside flush pull is fastened into its recess by tie screws into the back of the flush pull body, through mounting blocks on the inside of the door. The inside flush pull is then inserted into its recess on the inside with a spindle passing through the lock into the outside emergency flush pull. It is then fastened to the mounting blocks by a socket set screw in the top of the finger recess. This is our "C" Fixing.

Door thickness must be specified so the correct length screws and spindle can be provided.

The Pulls are available in the following configurations:

- Turn and Emergency TE
- Turn and Turn TT

Style Options:



Privacy Flush Pull Sizes and Code Numbers

Overall Size	Style Option and Code Number				
	1	2	3	4	5
50 x 150	1601	1602	1603	1604	1605
50 x 175	1611	1612	1613	1614	1615
50 x 200	1621	1622	1623	1624	1625
50 x 250	1631	1632	1633	1634	1635
50 x 300	1641	1642	1643	1644	1645

To specify: (example)

Code Number	Turn Option	Door Thickness	Finish
1611	TE or TT	40mm	SCPV

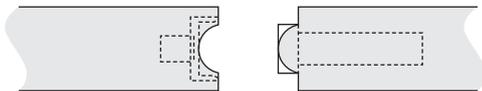
Privacy Sliding Door Lock 1647 Strike 1648 Escutcheon Fixing Kit 1649

Designed as a light duty lock with a thin case, 9.5mm, to fit between our flush pulls on doors of minimum 35mm thickness.

It can also be used in thin door applications, typically marine, with surface or back to back mounted turn escutcheons, ie 3401 Thumb Turn and 3402 Emergency Turn etc.

The lock case has through fixing holes at 35mm to 41mm centres horizontally about the spindle centreline for a back to back Escutcheon Fixing Kit, 1649. Specify door thickness when ordering.

To assist with installation, refer to Mortising Machine 6005, Faceplate Routing Jig 6010 and Universal Jig 6043 in the Door Machining Equipment Section in this catalogue or on the website.



Custom Components for Sliding Door Locks

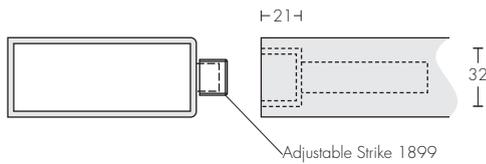
Guided Strike for Sliding Door Lock 1890

The "Guided Strike" set was designed for wood, double sliding doors that have a matching bull nose and a radiused recess for location and weather sealing on the mating stiles.

The face plate is the same depth as the bull nose on the stile.

The strike has a tapered entry to guide the lock face plate in.

Suits Locking, VS Locking and VS Euro Locking Flush Pulls.



Lock Box 1891

Designed for a wood sliding door, closing on to an RHS (Rectangular Hollow Section) steel door jamb. Not being practical to recess the 1899 Adjustable Strike into the steel jamb, it is surface fixed.

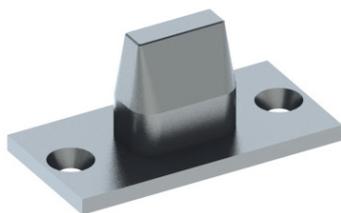
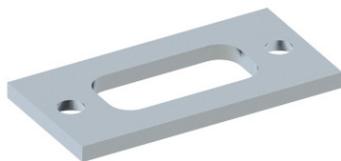
The lock box is made to fit onto the lockcase, then mortised into the door. The opening in the box has clearance to envelop the strike when the door is closed.

The Lock Box is 32mm wide x 21mm deep

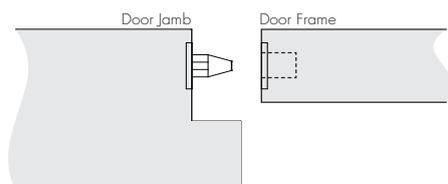
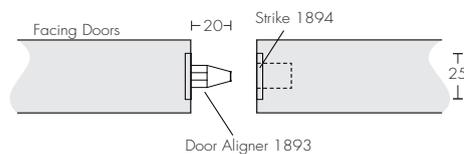
Suits Locking, VS Locking and VS Euro Locking Flush Pulls. Can be used on 35mm and 50mm backset locks. Ensure the style width is sufficient to accommodate the extra backset of the lock box.

Door Aligner and Strike

Door Aligner and Strike are used to align pair of sliding doors or a sliding door frame with the respective door Jamb. They can be custom built to suit client requirement.



Door Aligner 1893



1321 Flush Pull

1821 VS Locking Flush Pull
Satin Chrome Velvet Finish

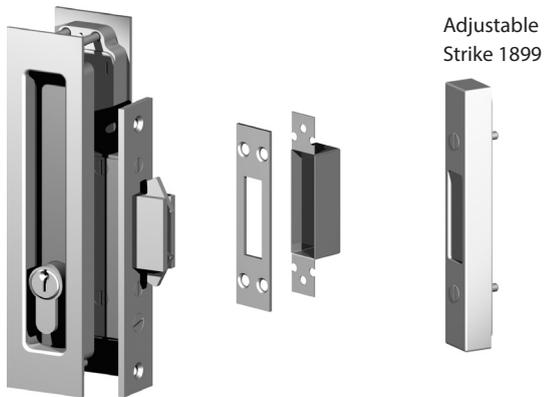


1941 VS Euro Locking Flush Pull, inside

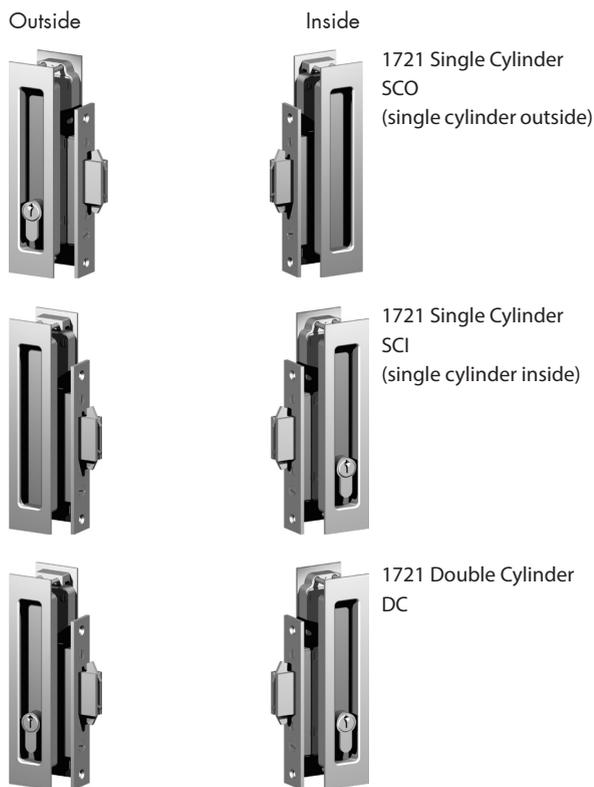


1941 VS Euro Locking Flush Pull, outside,
with 1899 Adjustable Strike

Locking Flush Pull 1721, with Strike, 35mm backset



Style Options: See previous pages



To specify: (example)

Code Number	Function	Wood W Aluminium A	Door Thickness	Finish
1711	SCO, SCI or DC	W or A*	40mm	SCPV

* If aluminium, specify the face plate width required.

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

To assist with installation, refer to [Mortising Machine 6005](#), [Faceplate Routing Jig 6010](#) and [Universal Jig 6043](#) in the [Door Machining Equipment Section](#) in this catalogue or on the website.

Locking Flush Pulls, 35mm Backset / 38mm Wide

While designed to fit primarily on aluminium sliding doors with narrow stiles, they can also be used on wood doors where there are space limitations. For wider stiles, there is also the 50mm backset lock model.

The versions available are single cylinder and double cylinder. Both use a 3pin Euro Profile Cylinder (C4 Key Profile).

The double cylinder is 42mm long, mounted central on the lock and flush pulls. The single cylinder is 21mm to the centreline and sits against the rear of the opposite side flush pull on minimum door thickness applications, and can be supplied "Cylinder Outside" or "Cylinder Inside".

Minimum door thickness is 38mm. The flanges are 2mm thick, making an overall thickness of 42mm. Door thickness must be specified when ordering.

The flush pulls are 38mm wide with lengths as stated below. Backset to the flush pull centreline is 35mm, including the 3mm thick lock faceplate. Standard face plate width is 25mm and lock case depth 50mm.

For aluminium applications, the outside flush pull hooks into the aluminium at the bottom of the machined opening and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into the aluminium at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" Fixing.

Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary. Some applications may need narrow faceplates.

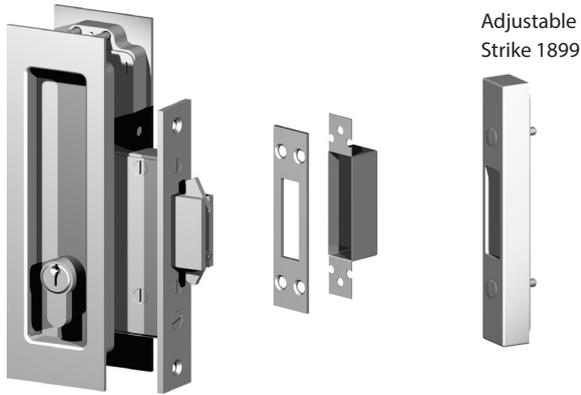
For wood applications the outside flush pull is fastened into its recess by tie screws into the back of the flush pull body through mounting blocks on the inside of the door. The inside flush pull is then fastened into the mounting blocks by a socket set screw in the top of the finger recess. This is our 'C' fixing. Door thickness must be specified so the correct length screws can be provided.

The Adjustable Strike 1899 is optional and may be needed in some applications to extend the locking face in the jamb, and be able to minimise end float in the door when it is locked. It measures 124mm x 19mm, and is adjustable from 15mm to 20mm high.

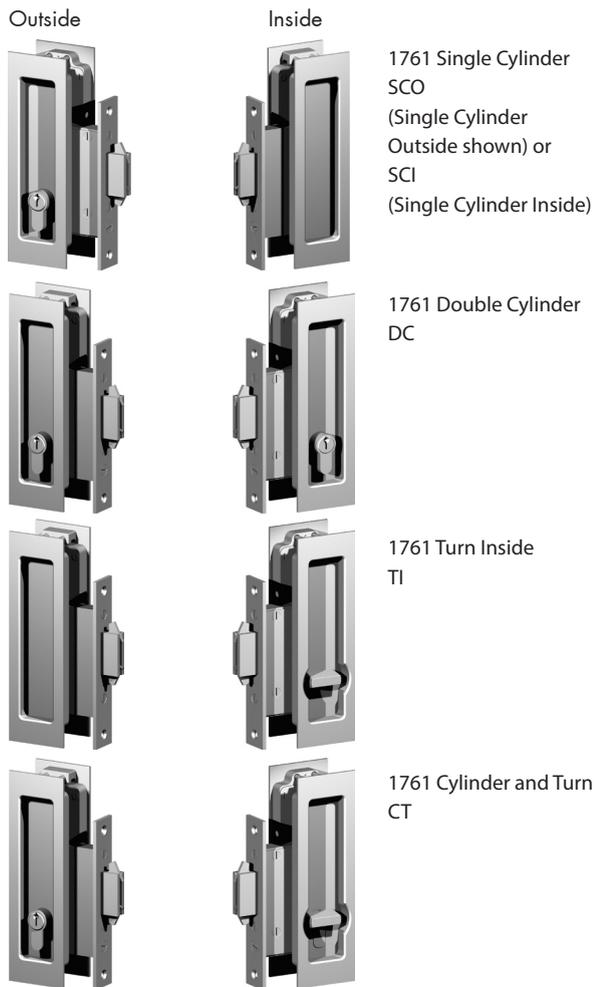
Locking Flush Pull Sizes and Code Numbers - 35mm Backset

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
38 x 175	20 x 135	1711	1712	1713	1714	1715
38 x 200	20 x 160	1721	1722	1723	1724	1725
38 x 250	20 x 210	1731	1732	1733	1734	1735

Locking Flush Pull 1761, with Strike, 50mm backset



Style Options: See previous pages



To specify: (example)

Code Number	Function	Wood W Aluminium A	Door Thickness	Finish
1751	SCO, SCI, DC, TI or CT	W or A*	40mm	SCPV

* If aluminium, specify the face plate width required.

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

To assist with installation, refer to [Mortising Machine 6005](#), [Faceplate Routing Jig 6010](#) and [Universal Jig 6043](#) in the [Door Machining Equipment Section](#) in this catalogue or on the website.

Locking Flush Pulls, 50mm Backset / 50mm Wide

Designed to fit primarily on wood sliding doors where the stile width allows the flush pull centreline to be 50mm back from the edge, and aluminium doors that are wide enough to accommodate the lock and the 50mm wide flush pulls within the stile section.

The versions available are single cylinder, double cylinder, turn inside, cylinder and turn. All use a 3 pin Euro Profile Cylinder (C4 Key Profile).

The double cylinder is 42mm long, mounted central on the lock and flush pulls. The single cylinder is 21mm to the centreline and sits against the rear of the opposite side flush pull on minimum door thickness applications, and can be supplied "Cylinder Outside" or "Cylinder Inside". Maximum door thickness for 3 pin cylinder is 58mm, then it changes to a 5 pin cylinder.

Minimum door thickness is 38mm. The flanges are 2mm thick, making an overall thickness of 42mm. Door thickness must be specified when ordering.

The flush pulls are 50mm wide with lengths as stated below. Backset to the flush pull centreline is 50mm, including the 3mm thick lock faceplate. Standard face plate width is 25mm and lock case depth 70mm.

For wood applications, the outside flush pull is fastened into its recess by tie screws into the back of the flush pull body, through mounting blocks on the inside of the door. The inside flush pull is then fastened to the mounting blocks by a socket set screw in the top of the finger recess. This is our "C" Fixing. Door thickness must be specified so the correct length screws can be provided.

For aluminium applications, the outside flush pull hooks into the aluminium at the bottom of the machined opening and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into the aluminium at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" fixing.

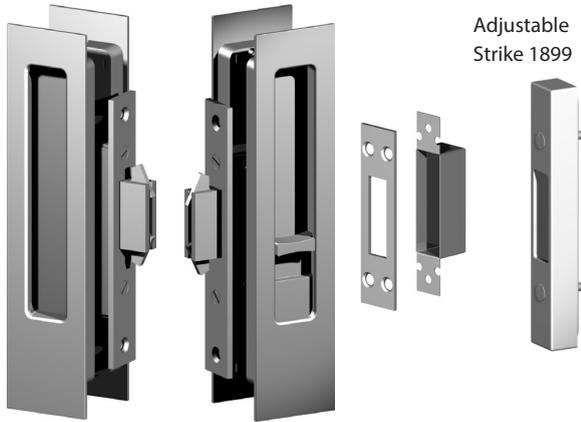
Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary. Some applications may need narrow faceplates.

The Adjustable Strike 1899 is optional and may be needed in some applications to extend the locking face in the jamb, and be able to minimise end float in the door when it is locked. It measures 124mm x 19mm, and is adjustable from 15mm to 20mm high.

Locking Flush Pull Sizes and Code Numbers - 50mm Backset

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
50 x 175	30 x 135	1751	1752	1753	1754	1755
50 x 200	30 x 160	1761	1762	1763	1764	1765
50 x 250	30 x 210	1771	1772	1773	1774	1775
50 x 300	30 x 260	1781	1782	1783	1784	1785

VS Locking Flush Pull 1821, 35mm backset



Style Options: See previous pages

Outside

Inside



1821 Short Opening
SO
(Short Opening on
outside pull, same as
inside pull)

1821 Long Opening
LO
(Long Opening on
outside pull)

1821 Privacy
P

1821 Inside Only
IO

To specify: (example)

Code Number	Function	Wood W Aluminium A	Door Thickness	Finish
1821	SO, LO, P or IO	W or A*	40mm	SCPV

* If aluminium, specify the face plate width required.

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

VS Locking Flush Pulls, 35mm Backset / 44mm Wide

While designed primarily to fit into aluminium sliding doors with narrow stiles, they can also be used on wood doors where there are space limitations. For wider stiles, there is also the 50mm backset model.

The versions available have the vertical slide (VS) on the inside flush pull, with either a short or long recess on the outside flush pull. The recess length provides matching options with other hardware.

The flush pulls are 44mm wide with lengths as stated below, and flanges 2mm thick. The minimum door thickness is 38mm. Thickness must be specified when ordering.

Backset to the flush pull centreline is 35mm, including the 3mm lock faceplate. Standard face plate width is 25mm and lock case depth 50mm.

For aluminium applications, the outside flush pull hooks into the machined opening at the bottom and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into its opening at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" Fixing.

Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary. Some applications may need narrow faceplates.

For wood applications, the outside flush pull is fastened by tie screws into the back of the flush pull body through mounting blocks on the inside of the door. The inside flush pull is then fastened into the mounting blocks by a socket set screw in the top of the recess. This is our "C" Fixing. Door thickness must be specified so the correct length screws can be provided.

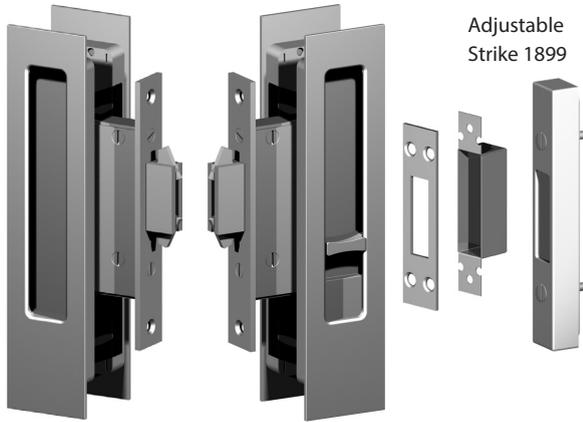
The Adjustable Strike 1899 is optional and may be needed in some applications to extend the locking face in the jamb, and be able to minimise end float in the door when it is locked. It measures 124mm x 19mm, and is adjustable from 15mm to 20mm high.

VS Locking Flush Pull Sizes and Code Numbers - 35mm Backset

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
44 x 200	22 x 130	1821	1822	1823	1824	1825
44 x 250	22 x 180	1831	1832	1833	1834	1835
44 x 300	22 x 230	1841	1842	1843	1844	1845

To assist with installation, refer to [Mortising Machine 6005](#), [Faceplate Routing Jig 6010](#) and [Universal Jig 6043](#) in the [Door Machining Equipment Section](#) in this catalogue or on the [website](#).

VS Locking Flush Pull 1871, 50mm backset



Style Options: See previous pages

Outside

Inside



1871 Short Opening
SO
(Short Opening on
outside pull, same as
inside pull)



1871 Long Opening
LO
(Long Opening on
outside pull)



1871 Privacy
P



1871 Inside Only
IO

To specify: (example)

Code Number	Function	Wood W Aluminium A	Door Thickness	Finish
1841	SO, LO, P or IO	W or A*	40mm	SCPV

* If aluminium, specify the face plate width required.

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

VS Locking Flush Pulls, 50mm Backset / 50mm Wide

Designed to fit on wood sliding doors where the stile width allows the flush pull centreline to be 50mm back from the edge, and aluminium doors that are wide enough to accommodate the lock and the 50mm wide flush pulls within the stile section.

The versions available have the vertical slide (VS) on the inside flush pull, with either a short or long recess, or a short recess with privacy function on the outside flush pull. The recess length provides matching options with other hardware.

The flush pulls are 50mm wide with lengths as stated below, and flanges 2mm thick. The minimum door thickness is 38mm. Thickness must be specified when ordering.

Backset to the flush pull centreline is 50mm, including the 3mm faceplate. Standard face plate width is 25mm and lock case depth 70mm.

For wood applications the outside flush pull is fastened by tie screws into the back of the flush pull body through mounting blocks on the inside of the door. The inside flush pull is then fastened into the mounting blocks by a socket set screw in the top of the finger recess. This is our "C" Fixing. Door thickness must be specified so the correct length screws can be provided.

For aluminium applications, the outside flush pull hooks into the machined opening at the bottom and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into its opening at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" Fixing.

Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary. Some applications may need narrow faceplates.

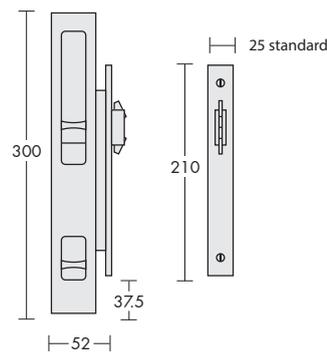
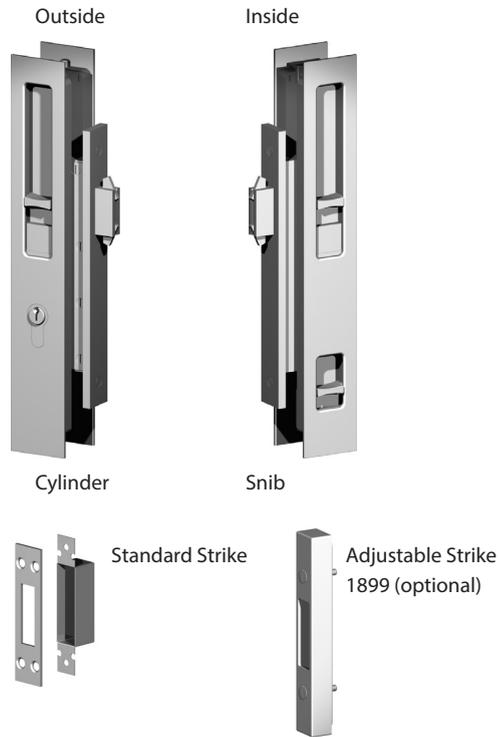
The Adjustable Strike 1899 is optional and may be needed in some applications to extend the locking face in the jamb, and be able to minimise end float in the door when it is locked. It measures 124mm x 19mm, and is adjustable from 15mm to 20mm high.

VS Locking Flush Pull Sizes and Code Numbers - 50mm Backset

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
50 x 200	22 x 130	1861	1862	1863	1864	1865
50 x 250	22 x 180	1871	1872	1873	1874	1875
50 x 300	22 x 230	1881	1882	1883	1884	1885

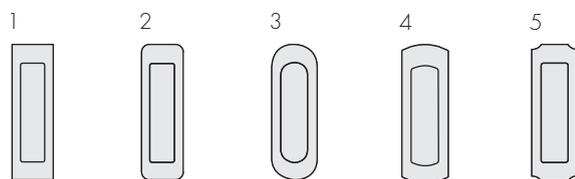
To assist with installation, refer to [Mortising Machine 6005](#), [Faceplate Routing Jig 6010](#) and [Universal Jig 6043](#) in the [Door Machining Equipment Section](#) in this catalogue or on the [website](#).

VS Euro Locking Flush Pull 1941, with Strike, 35mm backset



1941 style 1

Style Options:



To specify: (example)

Code Number	Handing	Wood W Aluminium A	Door Thickness	Finish
1941	L or R	W or A*	40mm	SCPV

* If aluminium, specify the face plate width required.

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

To assist with installation, refer to Mortising Machine 6005, Faceplate Routing Jig 6010 and Universal Jig 6043 in the Door Machining Equipment Section in this catalogue or on the website.

VS Euro Locking Flush Pulls, 35mm Backset / 44mm Wide

While designed to fit primarily on aluminium sliding doors with narrow stiles, they can also be used on wood doors where there are space limitations. For wider stiles, there is also the 50mm backset lock model.

This version has the vertical slide (VS) to operate the lock on the outside flush pull with a 5 pin Euro Profile Cylinder mounted below, flush to the surface of the pull. The rear of the cylinder protrudes into a recess in the flush pull on the inside of the door. The inside flush pull has the vertical slide with a snib below. This lock becomes handed with the cylinder off set in the lock case.

The flush pulls are 44mm wide x 300mm long, and flanges 2mm thick. The minimum door thickness is 38mm. Thickness must be specified when ordering.

Backset to the flush pull centreline is 35mm, including the faceplate which is a two piece design. The packer behind is 6mm thick and the cover which hides all fixing screws is 3mm thick, total 9mm. Standard face plate width is 25mm and lock case depth 50mm.

For aluminium applications, the outside flush pull hooks into the machined opening at the bottom and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into its opening at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" Fixing.

Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary. Some applications may need narrow faceplates.

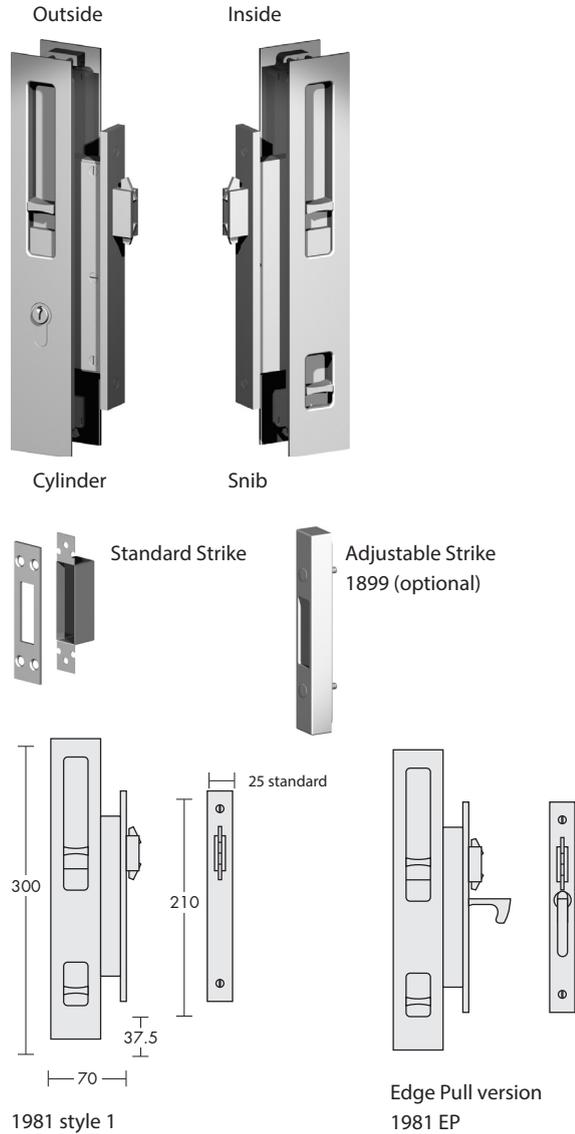
For wood applications the outside flush pull is fastened into its recess by tie screws into the back of the flush pull body, through mounting blocks on the inside of the door. The inside flush pull is then fastened to the mounting blocks by a socket set screw in the top of the finger recess. This is our "C" Fixing. Door thickness must be specified so the correct length screws can be provided.

The Adjustable Strike 1899 is optional and may be needed in some applications to extend the locking face in the jamb, and be able to minimise end float in the door when it is locked. It measures 124mm x 19mm, and is adjustable from 15mm to 20mm high.

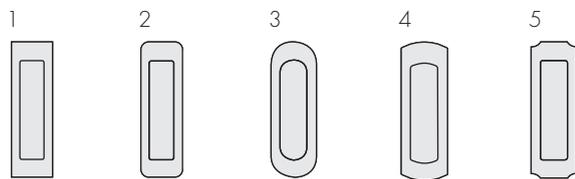
VS Euro Locking Flush Pull Size and Code Numbers - 35mm Backset

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
44 x 300	22 x 135	1941	1942	1943	1944	1945

VS Euro Locking Flush Pull 1981, with Strike, 50mm backset



Style Options:



To specify: (example)

Code Number plus Edge Pull	Handing	Wood W Aluminium A	Door Thickness	Finish
1981 plus EP	L or R	W or A*	40mm	SCPV

* If aluminium, specify the face plate width required.

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

To assist with installation, refer to Mortising Machine 6005, Faceplate Routing Jig 6010 and Universal Jig 6043 in the Door Machining Equipment Section in this catalogue or on the website.

VS Euro Locking Flush Pulls, 50mm Backset / 50mm Wide

Designed to fit on wood sliding doors where the stile width allows the flush pull centreline to be 50mm back from the edge, and aluminium doors that are wide enough to accommodate the lock and the 50mm wide flush pulls within the stile section.

This version has the vertical slide (VS) to operate the lock on the outside flush pull with a 5 pin Euro Profile Cylinder mounted below, flush to the surface of the pull. The rear of the cylinder protrudes into a recess in the flush pull on the inside of the door. The inside flush pull has the vertical slide with a snib below. This lock becomes handed with the cylinder off set in the lock case.

A sliding door edge pull can be incorporated in this lock when the door goes back into a pocket. Add suffix "EP" with handing.

The flush pulls are 50mm wide x 300mm long, and flanges 2mm thick. The minimum door thickness is 38mm. Thickness must be specified when ordering.

Backset to the flush pull centreline is 50mm, including the faceplate which is a two piece design. The packer behind is 6mm thick and the cover which hides all fixing screws is 3mm thick, total 9mm. Standard face plate width is 25mm and lock case depth 70mm.

For wood applications the outside flush pull is fastened into its recess by tie screws into the back of the flush pull body, through mounting blocks on the inside of the door. The inside flush pull is then fastened to the mounting blocks by a socket set screw in the top of the finger recess. This is our "C" Fixing. Door thickness must be specified so the correct length screws can be provided.

For aluminium applications, the outside flush pull hooks into the aluminium at the bottom of the machined opening and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into the aluminium at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" Fixing.

Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary. Some applications may need narrow faceplates.

The Adjustable Strike 1899 is optional and may be needed in some applications to extend the locking face in the jamb, and be able to minimise end float in the door when it is locked. It measures 124mm x 19mm, and is adjustable from 15mm to 20mm high.

VS Euro Locking Flush Pull Size and Code Numbers - 50mm Backset

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
50 x 300	22 x 135	1981	1982	1983	1984	1985

Flush Sliding Bolts

Flush Sliding Bolts

This range of Flush Sliding Bolts is designed for use on conventional doors, bifold, sliding and aluminium stile doors. The design of the body has a 2mm thick face flange for minimal projection off the door surface. They can be fitted fully flush with careful recess preparation into wood doors if required.

The standard Flush Sliding Bolts are fitted flush to the door edge on wood and aluminium doors. Mounting blocks are fitted into the recess on wood doors to fasten the flush bolt to, and a machined opening in aluminium stiles will accept the Flush Bolt. Fastening is by socket set screw in the top of the finger recess.

The body sizes are:

- 50mm wide x 200 long - 20mm bolt projection
- 50mm wide x 220 long - 40mm bolt projection

The standard Flush Sliding Bolts have a 5mm x 15mm flat bolt.

Recess size in wood doors: 40mm wide x 12.5mm deep with special lengths to suit the different types and lengths of bolts.

Extended Sliding Bolts

The Extended Flush Sliding Bolts are fitted into their appropriate recess, 40mm wide x 12.5mm deep, away from the door edge. The bolt size is 16mm diameter machined with flats to 12.7mm across, with extensions of 100mm, 200mm and 300mm from the door edge. Extension rod is M8.

For wood doors, where extended bolts are required; a drill jig is available from chant™ to accurately drill the extension rod hole into the stile. Particularly useful for 200mm and 300mm versions. Extension lengths are 100mm, 200mm, and 300mm from the door edge.

Special offsets for thick doors and custom applications can be produced to order.

Locking Versions

All bolts are lockable with a Key Insert Lock 2899.

Mounting Options and Offsets

Options A to D cover some alternatives for sliding doors and the position of the bolt. Consideration needs to be made for the:

- thickness of the door
- type of guide track and its width; hence available space for the strike and its function

Example A 10.5mm from the face of the door to the back of the 5mm bolt

Example B 5.5mm from the face of the door to the back of the 5mm bolt and is for sliding doors only

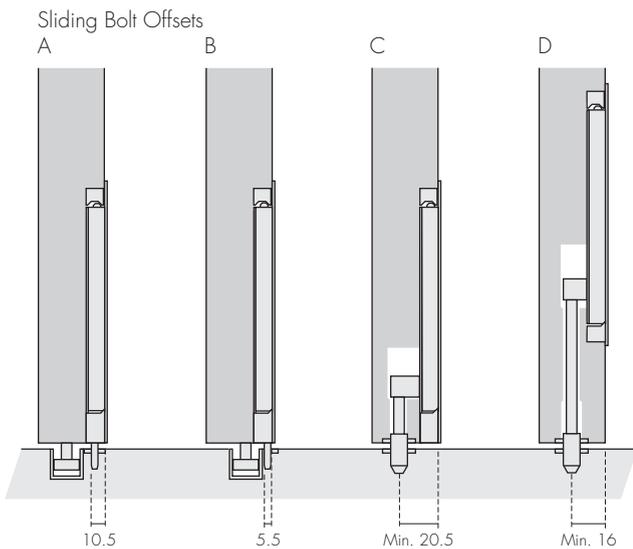
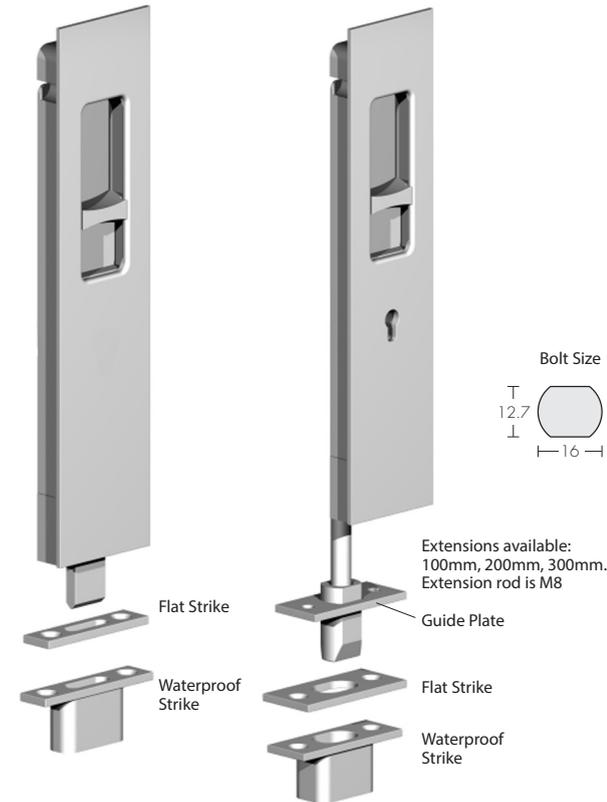
Example C Extended bolt "zero", fitted flush to the edge of the door. Used where the bolt needs to be located into the middle of the door guide track

Example D Extended bolt, away from the edge of the door

Allowance needs to be made for the offsets when the bolts are flush fitted to the surface of the doors, plus 2mm.

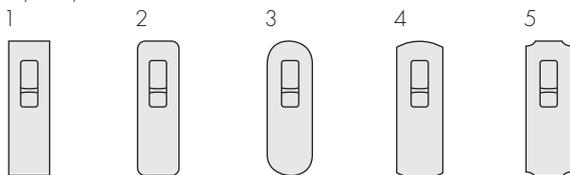
The above options A, C, D can be used on opening doors depending on:

- the relationship between the door and the sill, or head
- suitable mounting of the strike

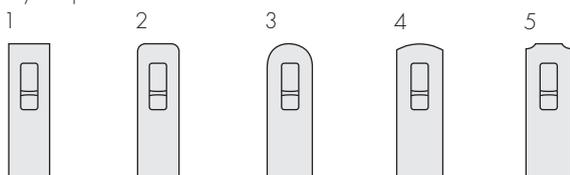


* Extensions available: 100mm, 200mm, 300mm.

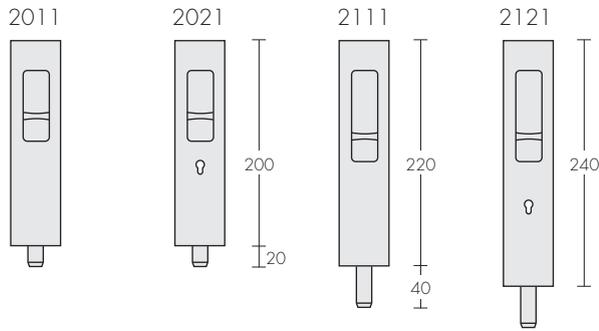
Style Options: Extended Bolts



Style Options: Flush with the bottom of the door



Flush Sliding Bolt/Standard, 15 x 5mm flat bolt (2111/2121 are suitable for sliding doors only. Offsets A or B from previous page.)

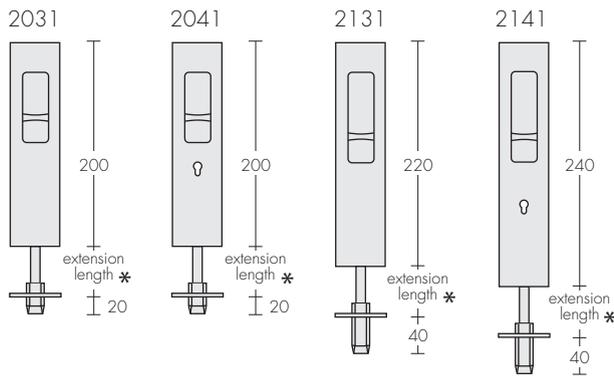


Flush Sliding Bolts

Flush Sliding Bolts – Code Numbers for 20mm Throw Bolts

		Style Option and Code Number			
		1	2	3	45
Standard					
50 x 200	Non Locking	20112012	2013	2014	2015
50 x 200	Locking	20212022	2023	2024	2025
Extended					
50 x 200	Non Locking	20312032	2033	2034	2035
50 x 200	Locking	20412042	2043	2044	2045

Flush Sliding Bolt – 12.7mm Bolt Extended 100, 200, 300mm (Offsets C or D from previous page.)



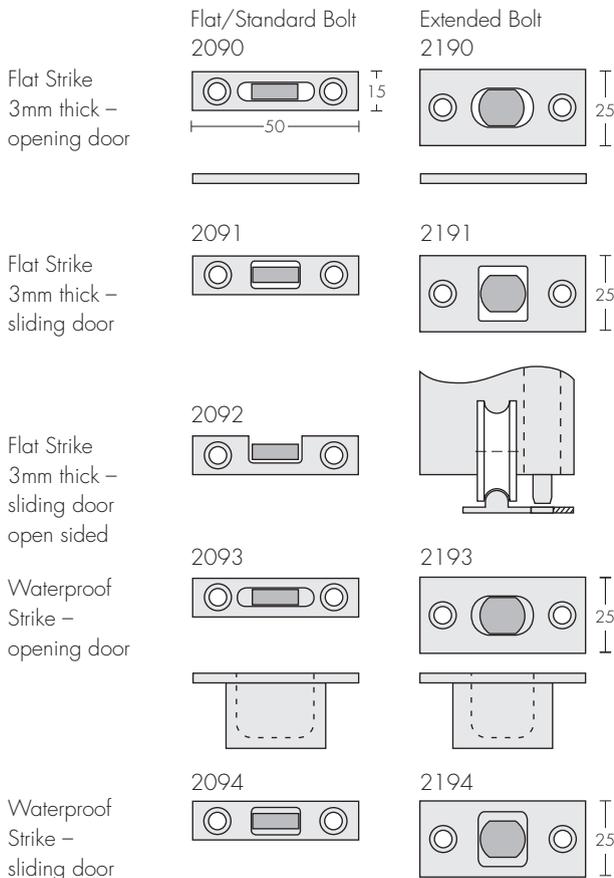
Flush Sliding Bolts – Code Numbers for 40mm Throw Bolts

		Style Option and Code Number			
		1	2	3	45
Standard					
50 x 220	Non Locking	21112112	2113	2114	2115
50 x 240	Locking	21212122	2123	2124	2125
Extended					
50 x 220	Non Locking	21312132	2133	2134	2135
50 x 240	Locking	21412142	2143	2144	2145

To order specify: (examples)

Code Number	Offset Dimension	Extension Length *	Wood W Aluminium A	Strike Type	Finish
2011	10.5mm	-	W or A	2090	SCPV
2111	18mm	200mm		2190	PBZ

Strikes:



Strikes:

There are various options available to suit specific site requirements. The strikes are designed with over-length slots for opening doors, and over-width slots for sliding doors. This provides restricted movement of the bolt and door in the correct direction.

All flat strikes are 3mm thick.

Refer to Dust Sockets on the following page as additional options to the strikes detailed here.

To assist with installation, refer to Mortising Machine 6005, Faceplate Routing Jig 6010 and Universal Jig 6043 in the Door Machining Equipment Section in this catalogue or on the website.

Flush Sliding Bolt
2201



Flush Sliding Bolt
2211



Flush Sliding Bolt
2221



Flush Sliding Bolt
2231



Short Flush Sliding Bolts

These bolts are for situations where there is restricted height for the concealed mounting versions and therefore require visible fixings.

Offsets and strike options are as shown on the Flush Sliding Bolts page.

A – 10.5mm

B – 5.5mm

Flush Sliding Bolt – 10mm Throw

55mm x 65mm: 2201

Flush Sliding Bolt – 15mm Throw

55mm x 80mm: 2211

Flush Sliding Bolt – 20mm Throw

55mm x 100mm: 2221

Flush Sliding Bolt – 40mm Throw

55mm x 140mm: 2231

To order bolt specify: (examples)

Code Number	Offset Dimension	Finish
2201	5.5mm	SCPV
2211	10.5mm	PBZ

To order strike specify: (examples)

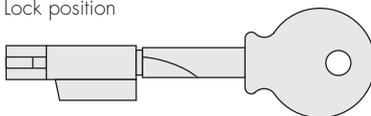
Code Number	Finish
2092	SCPV
2091	PBZ

Please contact chant™ if you have a requirement for custom variations of these Flush Sliding Bolts.

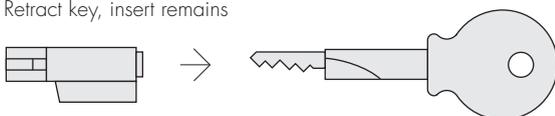
Key Insert Lock 2899
Insert position



Lock position



Retract key, insert remains



Key Insert Lock

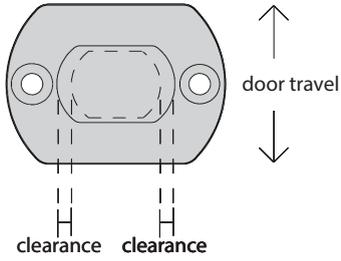
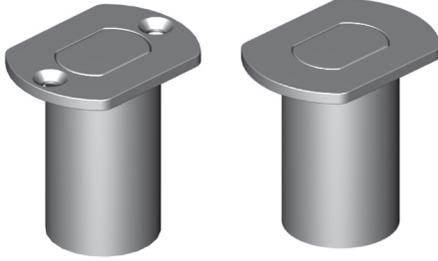
Our Key Insert Lock is used to lock the bolts on our Flush Sliding Bolts and Square Bolts. The 'insert' part of the lock which is attached to the key, is inserted into the bolt to be locked, the key rotated 90° and then withdrawn. The bolt is then prevented from operating. To unlock, insert the key, rotate and remove the insert. This is a practical alternative to wafer locks that can be easily forced and cannot be master-keyed; or much larger locks that may be master-keyed, but interfere with the door structure.

These are included in the pricing of our Flush Sliding Bolts and Square Bolts. They are also priced individually as replacements.

Keys are only available in a Polished Chrome finish. Insert is available in Polished Chrome, Polished Brass Uncoated or Weathered Brass.

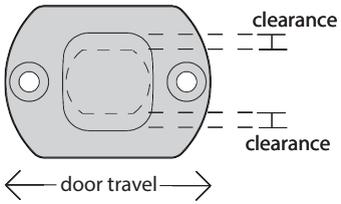
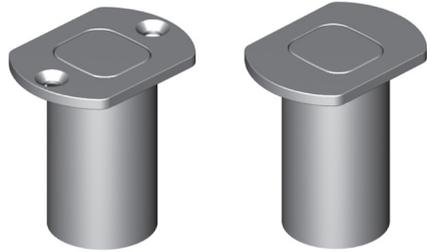
2180

2180A



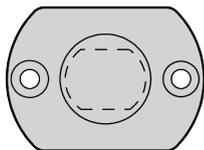
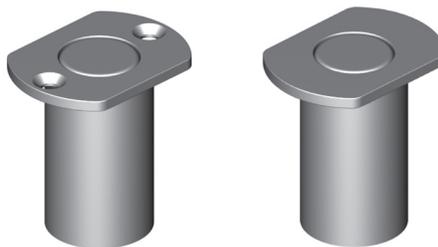
2181

2181A



2182

2182A



To locate a top hung sliding door, or similar in both directions.

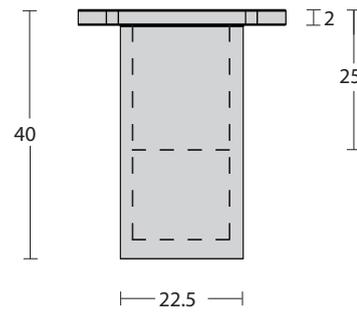
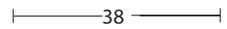
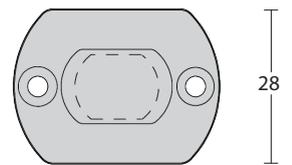
Dust Sockets

This range of Dust Sockets are designed to locate doors with chant™ Flush Sliding Bolts or Two Point Lock Bolts.

The shape of the bolt opening is to restrict movement in the desired direction, while providing clearance and alignment tolerance at 90 degrees to the direction of the bolt or door travel.

The Dust Socket can be screw or glue fixed.

Refer to Finishes Section for finish options.



Bolt Assembly



2300

Bolt Assembly and Strike



Cylindrical Projection Bolt

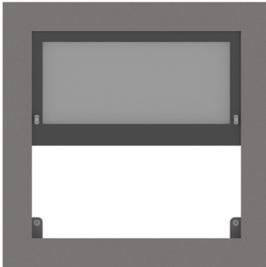
Used on vertical sliding windows where the sliding window has to be held in the open position as well as locked in the closed position. The Cylindrical Projection Bolt assembly is fastened to the sliding window with two counter sunk screws and the strike is anchored in the fixed window (for open position) as well as in the window jamb (for closed position). The diameter and length of the Cylindrical Projection Bolt can be customised, based on the thickness of the window frame and the bolt travel distance, for effective engagement in the strike.

Strike

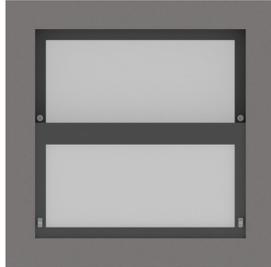
They are cylindrical sections, press fit into the window jamb as well as in to the window frame. Their diameter is based on the bolt diameter for effective engagement. They can have a flange with counter sunk screw fixing and an elongated bolt cavity to allow expansion and contraction of the window frame.

Code Numbers	'A'	'B'	'C'	'D'
2300	60mm	16mm	10mm	14mm
2301	62mm	16mm	10mm	20mm
2302	52mm	19mm	12.5mm	14mm

Open Window



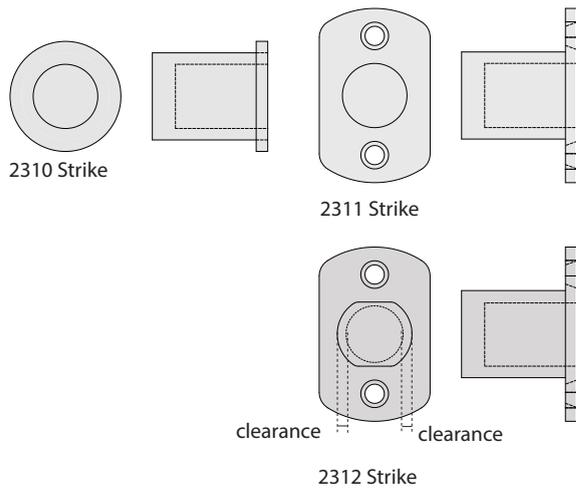
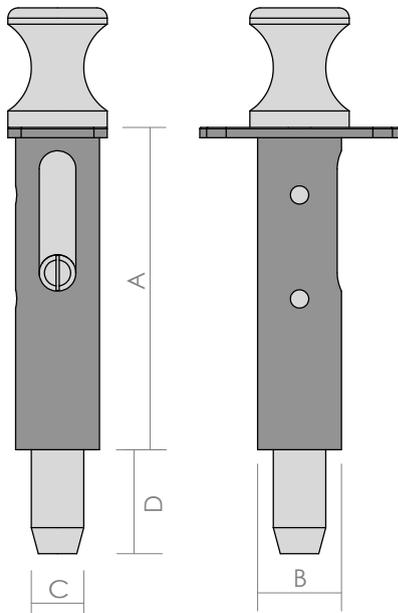
Closed Window



Vertical sliding window. Bolt used to hold the window in closed as well as open position.



Typical engaged position of the Cylindrical Projection bolt.



Bolt Assembly



2320

Bolt Assembly and Strike



Sprung Slide Bolt

This bolt has a mechanism and spring that holds the bolt in the retracted position, unless the operating peg is pushed forward and engaged in its slot, holding the bolt out. Sprung Slide Bolt can be used on vertical sliding windows where they have to be held in the open position, as well as locked in the closed position. The Sprung Slide bolt assembly is fastened to the sliding window with counter sunk screws.

Strike

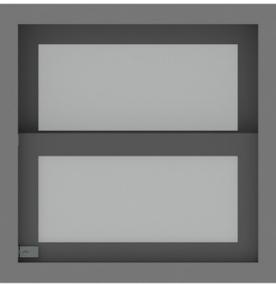
It is a 3mm thick plate fastened with two counter sunk screws on the window jamb to receive the sliding bolt. Custom surface mount strikes can be produced to suit specific requirement.

These bolts can be customised to an extent, please contact Chant with your requirements.

Open Window



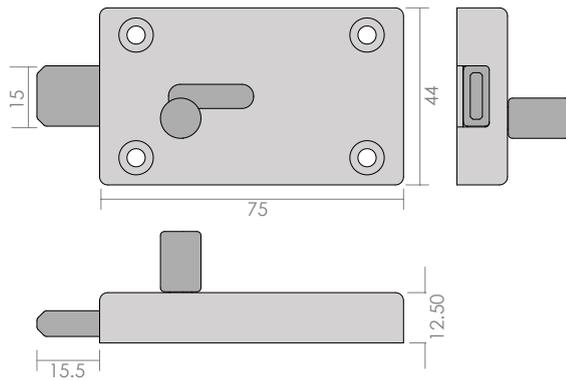
Closed Window



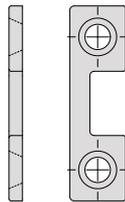
Vertical sliding window. Bolt used to hold the window in closed as well as open position.



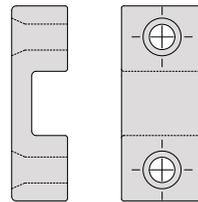
Typical engaged position of the Sprung Slide bolt.



2320 Sprung Slide Bolt Assembly



2330 Strike

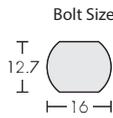


2331 Strike - Surface Mounted

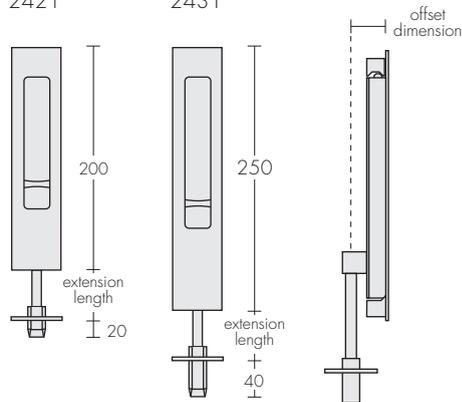
Flush Pull Bolt
2421



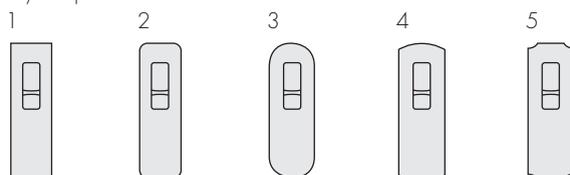
Flush Pull Bolt
2431



Flush Pull Bolt – 12.7mm x 16mm Bolt
Extended as required
2421 2431



Style Options: Extended Bolts



Flush Pull Bolts

Designed for use on wood or aluminium sliding doors as a combination Flush Bolt and Flush Pull where the combined function minimises components on the door. The concealed fixing is the same as standard Flush Sliding Bolts.

Allowance needs to be made for the offsets when the bolts are flush fitted to the surface of the doors, plus 2mm.

Flush Pull Bolt

– Code Numbers for 20mm Throw Bolts

		Style Option and Code Number				
		1	2	3	4	5
Conceal-fixed, Extended						
50 x 200	Non Locking	2421	2422	2423	2424	2425

Flush Pull Bolt

– Code Numbers for 40mm Throw Bolts

		Style Option and Code Number				
		1	2	3	4	5
Conceal-fixed, Extended						
50 x 250	Non Locking	2431	2432	2433	2434	2435

To order specify: (example)

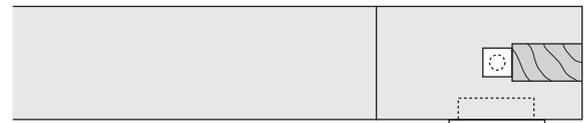
Code Number	Offset Dimension	Extension Length	Strike Type	Finish
2431	18mm	1000mm	2190	SCPV

When these bolts are fitted to a wood door, it must be custom built, as the stile requires a trench, vertically positioned to allow the bolt to operate. The position of the trench will depend on the operation of the door, opening or sliding and the construction of the door, particularly in relation to tennon joints in the corners. On a sliding door, consideration will need to be made in relation to the track, bolt position, and space for the strike.

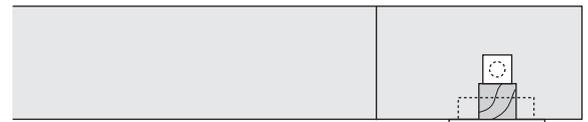
Option A: Split stile, trenched before the two sections are glued together. Alternative join line shown as dotted line.



Option B: Trenched from the edge and back-filled with an insert.



Option C: Trenched from the front face and back filled with an insert.



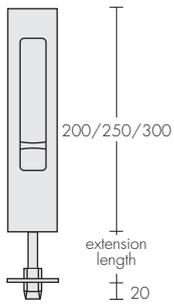
Flush Pull Bolt
2521



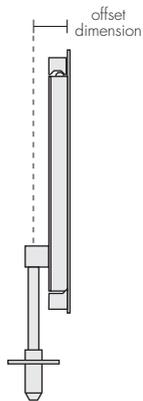
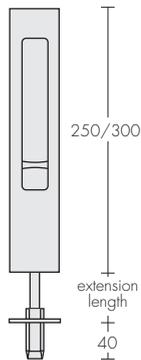
Flush Pull Bolt
2581



Flush Pull Bolt – 12.7mm x 16mm Bolt
Extended as required
2521 - 2541



2571, 2581 etc.

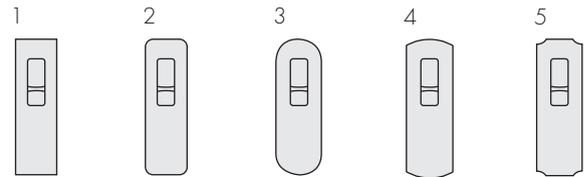


Flush Pull Bolts - Aluminium Doors

Designed for use on narrow stile aluminium sliding doors where width restrictions limit flush pull width to 44mm. The combination of the flush bolt and flush pull minimises the components on the door. The concealed fixing is the same as standard flush sliding bolts with an M6 socket set screw.

Strikes and Guides – Strikes shown are possibilities as used in flush sliding bolts. Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary.

Style Options: Extended Bolts



Flush Pull Bolt – Code Numbers for 20mm Throw Bolts

Style Option and Code Number
1 2 3 4 5

Conceal-fixed, Extended

44 x 200 Non Locking	2521	2522	2523	2524	2525
44 x 250 Non Locking	2531	2532	2533	2534	2535
44 x 300 Non Locking	2541	2542	2543	2544	2545

Flush Pull Bolt – Code Numbers for 40mm Throw Bolts

Style Option and Code Number
1 2 3 4 5

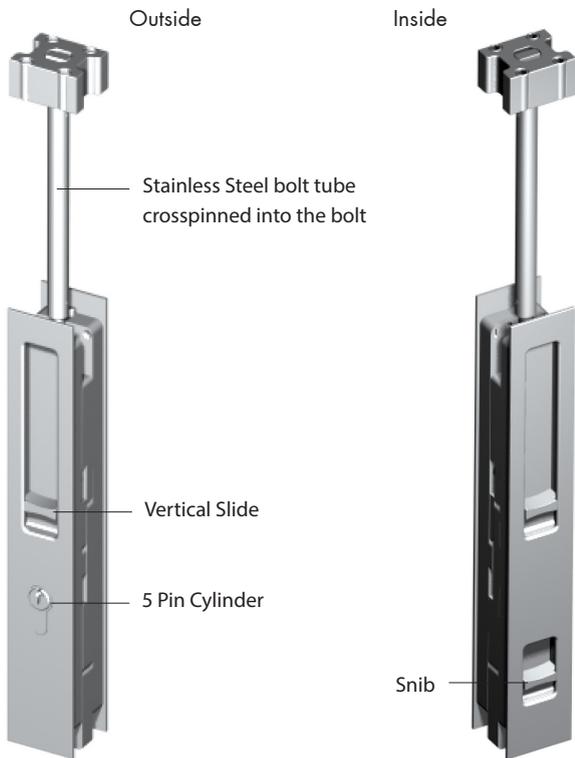
Conceal-fixed, Extended

44 x 250 Non Locking	2571	2572	2573	2574	2575
44 x 300 Non Locking	2581	2582	2583	2584	2585

To order specify: (example)

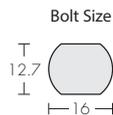
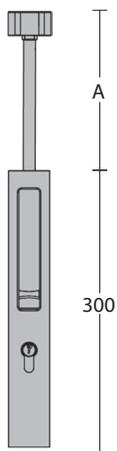
Code Number	Offset Dimension	Extension Length	Strike Type	Finish
2521	18mm	1000mm	2191	SCPV

VS Euro Locking Flush Bolt 2641



Bolt Guide Block custom made to suit particular stile sizes. It is keyed into the stile with 4 x M8 capscrews.

2641 Inside Only IO



VS Euro Locking Flush Bolt 44mm wide

Designed to fit on aluminium sliding or bifolding door stiles. The vertical slide operates a bolt at the top and the bottom of the door. Bolt throw is 20mm.

The flush bolts are 44mm wide x 300mm long, and flanges 2mm thick. The minimum door thickness is 38mm. Thickness must be specified when ordering.

As the top and bottom bolts are likely to be different lengths, they are weight balanced to ensure the operating pressure on the vertical slide is equal up and down.

For aluminium applications, the outside flush pull hooks into the machined opening at the bottom and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into its opening at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" Fixing.

Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary.

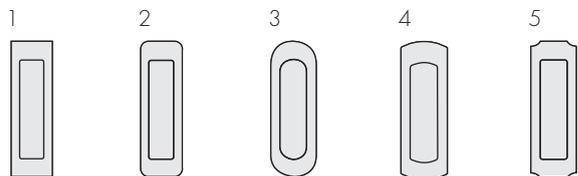
Strikes

These can be selected from the Flush Sliding Bolt page or customised to suit the site application.

VS Euro Locking Twin Bolt Size and Code Numbers - 44mm wide

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
44 x 300	22 x 135	2641	2642	2643	2644	2645

Style Options:

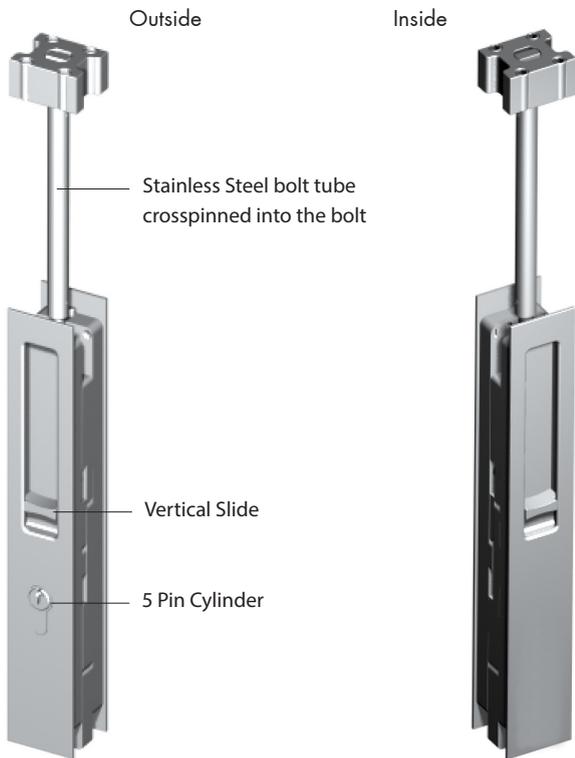


To specify: (example)

Code Number	Handing	Door Thickness	Dimensions A mm	Finish
2641	L or R	40mm	1100 mm 900 mm	SCPV

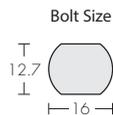
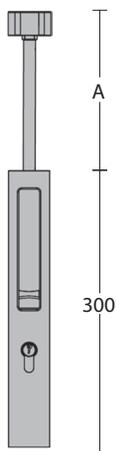
Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

VS Euro Locking Flush Bolt 2641



Bolt Guide Block custom made to suit particular stile sizes. It is keyed into the stile with 4 x M8 capscrews.

2641 Inside Only IO



VS Euro Locking Flush Bolt 44mm wide

Designed to fit on aluminium sliding or bifolding door stiles. The vertical slide operates a bolt at the top and the bottom of the door. Bolt throw is 20mm.

The flush bolts are 44mm wide x 300mm long, and flanges 2mm thick. The minimum door thickness is 38mm. Thickness must be specified when ordering.

As the top and bottom bolts are likely to be different lengths, they are weight balanced to ensure the operating pressure on the vertical slide is equal up and down.

For aluminium applications, the outside flush pull hooks into the machined opening at the bottom and is fastened by a clamp on the inside of the stile section at the top. The inside flush pull hooks into its opening at the bottom and is fastened by a socket set screw in the top of the finger recess. This is our "D" Fixing.

Because of variations in aluminium door design, it is essential to provide section details of the stile and jamb on first time applications so that customised solutions of standard product can be provided when necessary.

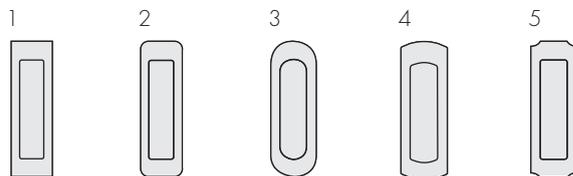
Strikes

These can be selected from the Flush Sliding Bolt page or customised to suit the site application.

VS Euro Locking Twin Bolt Size and Code Numbers - 44mm wide

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
44 x 300	22 x 135	2641	2642	2643	2644	2645

Style Options:

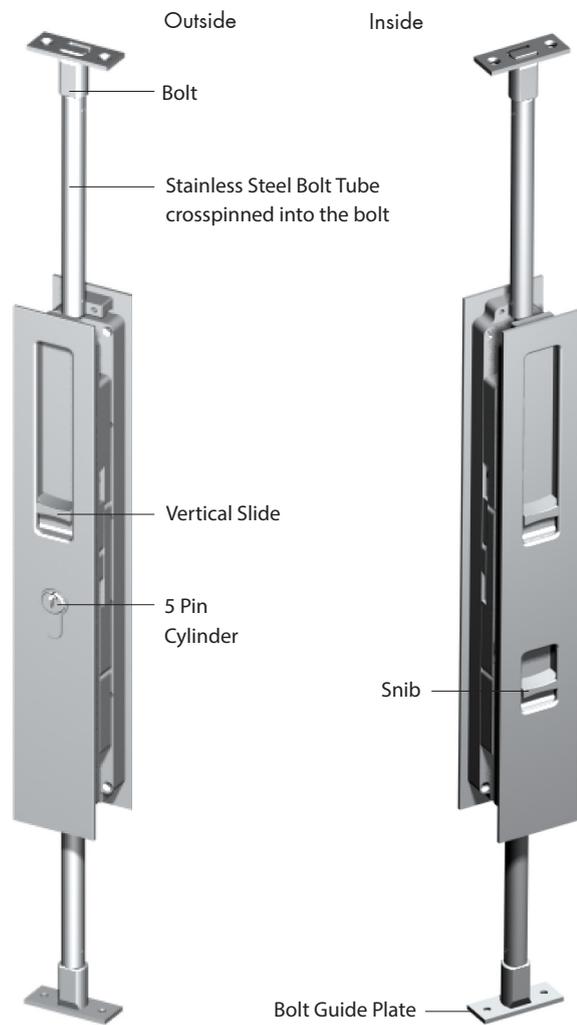


To specify: (example)

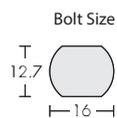
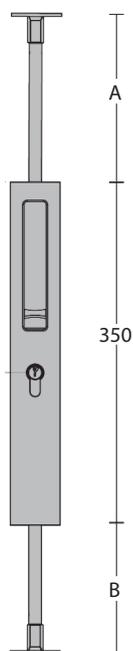
Code Number	Handing	Door Thickness	Dimensions A mm	Finish
2641	L or R	40mm	1100 mm 900 mm	SCPV

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

VS Euro Locking Flush Bolt 2661



2661 Inside only IO



VS Euro Locking Flush Bolt 44/50mm wide for Wood Doors

Designed to fit on wood sliding or bifolding door stiles. The vertical slide operates a bolt at the top and the bottom of the door. Bolt throw is 20mm.

The flush bolts are 50mm wide x 350mm long, and flanges 2mm thick. The minimum door thickness is 38mm.

As the top and bottom bolts are likely to be different lengths, they are weight balanced to ensure the operating pressure on the vertical slide is equal up and down.

For wood applications the outside flush pull is fastened into its recess by tie screws into the back of the flush pull body, through mounting blocks on the inside of the door. The inside flush pull is then fastened to the mounting blocks by a socket set screw in the top of the finger recess. This is our "C" Fixing. Door thickness must be specified so the correct length screws can be provided.

Strikes

These can be selected from the Flush Sliding Bolt page or customised to suit the site application.

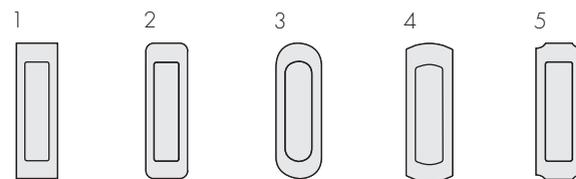
Construction of Doors

When these bolts are fitted to a wood door, it must be custom built, as the stile requires a trench, vertically positioned to allow the bolt to operate. The position of the trench will depend on the operation of the door, opening or sliding and the construction of the door, particularly in relation to tennon joints in the corners. On a sliding door, consideration will need to be made in relation to the track, bolt position, and space for the strike. Refer to Flush Pull Bolt page for additional information.

VS Euro Locking Twin Bolt Size and Code Numbers - 50mm wide

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
50 x 350	22 x 135	2661	2662	2663	2664	2665

Style Options:

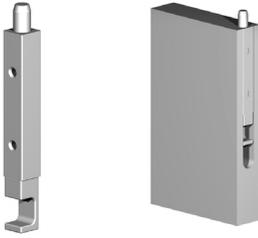


To specify: (example)

Code Number	Handing	Door Thickness	Dimensions		Finish
			A mm	B mm	
2661	L or R	40mm	1100 mm	900 mm	SCPV

Note: Custom versions will be given a suffix after the code number and will be recorded for future production.

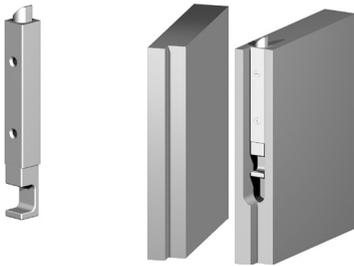
Socket Bolt 2810 Socket Bolt shown in the edge of the door
Also suitable for fitting into a rebated door and to the face of the door



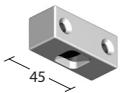
Necked Bolt 2840 Necked Bolt shown on the face of the door



Spring Bolt 2870 Spring Bolt shown fitted into a rebated door



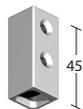
Surface Strike for Socket Bolt 2890



Surface Strike for Spring Bolt 2891



Surface In-line Strike for Socket Bolt 2892



Flat Strike for Necked Bolt 2893



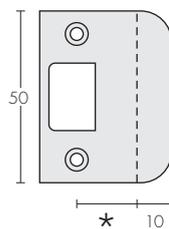
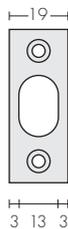
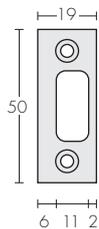
Flat Strike for Socket Bolt 2895



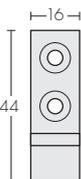
Waterproof Strike 2896



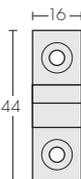
Flat Strike for Spring Bolt 2894



Spring Bolt Strike 2897



Spring Bolt Strike 2898



Square Bolts

This unique range of bolts with clean simple lines are extremely versatile in their operating functions. The bolts can be surface or flush mounted on the face or edge of a door, or fitted into the rebate of the inactive leaf of a pair of doors.

A generous and accessible finger recess makes them practical to use. The surface mounted bolts can be machined with a 2mm radius to match the Line door handles range, specify B1 after the code number when ordering. ✧ See example below.

Uses:

- For securing standard or french doors with a Spring Bolt at the top and a Socket or Necked Bolt at the bottom
- Securing the inactive leaf on a pair of doors when fitted into the rebate. Avoids the need for locking bolts on the face of the door
- Self latching at the top of a bifold door with a socket bolt at the bottom
- Positive latching at the top of a door leading to a swimming pool
- On a sliding door, for latching in the closed position. This application may need a custom strike

Socket Bolt

12.7mm diameter bolt x 20mm throw.

Necked Bolt

Although not a true necked bolt, it serves the same function. The bolt has a flat on it which allows the strike to be flush to the edge of a door sill. Reversible onsite if necessary.

Spring Bolt

14mm diameter bolt with a flat face for latching into the strike. Reversible onsite if necessary.

Bolt Packer

For use with Socket, Necked or Spring Bolts where the bolt needs to be spaced over the door seals.

Mounting

The bolts are secured to the door by two 12 gauge x 50mm countersunk, square drive stainless steel screws on the 150mm and 300mm bolts. The 450mm and 600mm bolts have 3 screws.

Locking

The Socket and Necked Bolt can be locked with a Key Insert Lock 2899. Refer to Flush Sliding Bolts.

Size

The body of all bolts is 19mm square.

To order a Square Bolt: (example)

Code Number	✧	Finish
2810	B1	SCPV

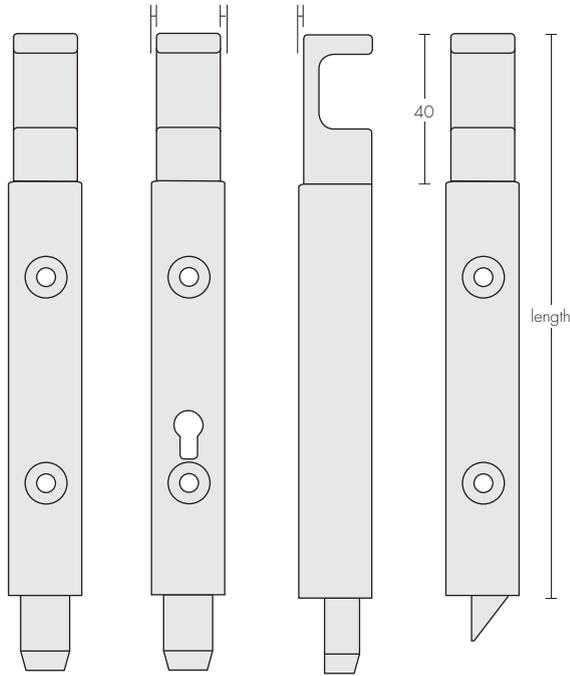
To order a Strike: (example)

Code Number	Strike/Bolt centerline to door frame edge✧	Finish
2894	20mm	SCPV

✧This applies to Flat Strike for Spring Bolt 2894

Clearance for a recessed installation

Clearance to prevent scratching of door surface

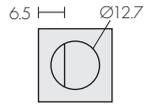


Example of a standard Socket Bolt

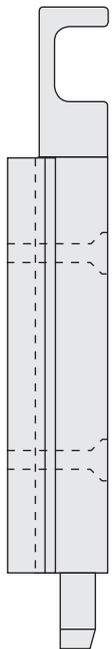
Example of a locking Socket Bolt

Example of a Necked Bolt

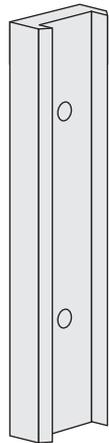
Example of a Spring Bolt



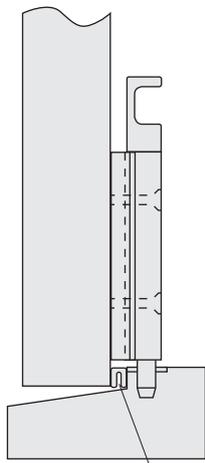
19mm Square



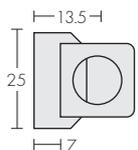
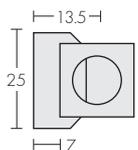
Necked Bolt using Bolt Packer



Bolt Packer



Weather seal



2mm radius can be applied to these outer edges to match the Line ranges of handles.

Square Bolt Code Numbers

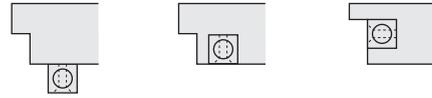
(viewed from the bolt end of the square bolt)

Socket Bolts

Mounting options on standard doors



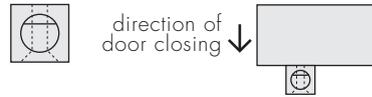
Mounting options on rebated doors



Code numbers based on length in mm

	150	200	300	450	600
Socket Bolt	2810	2811	2812	2813	2814
Socket Bolt Locking	2820	2821	2822	2823	2824

Necked Bolts

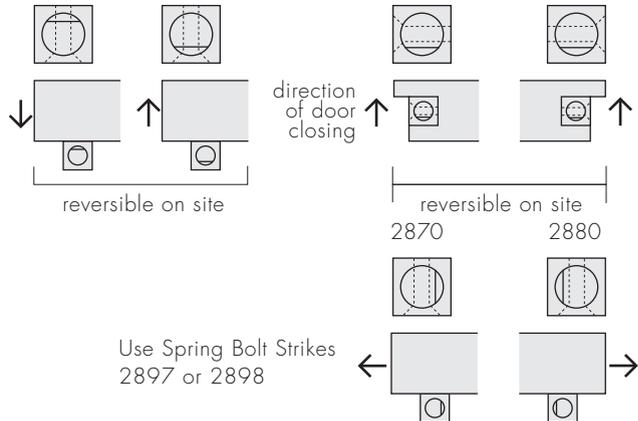


Code numbers based on length in mm

	150	200	300	450	600
Necked Bolt	2830	2831	2832	2833	2834
Necked Bolt Locking	2840	2841	2842	2843	2844

Spring Bolts

2850 2860 2870 2880



Code numbers based on length in mm

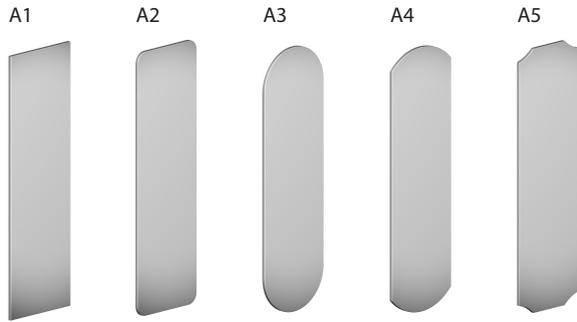
	150	200	300	450	600
	2850	2851	2852	2853	2854
	2860	2861	2862	2863	2864
	2870	2871	2872	2873	2874
	2880	2881	2882	2883	2884

Bolt Packer

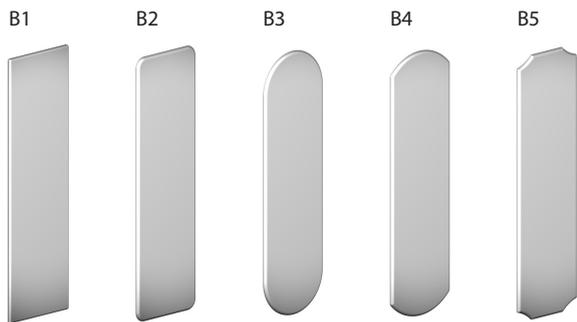


2800	2801	2802	2803	2804
------	------	------	------	------

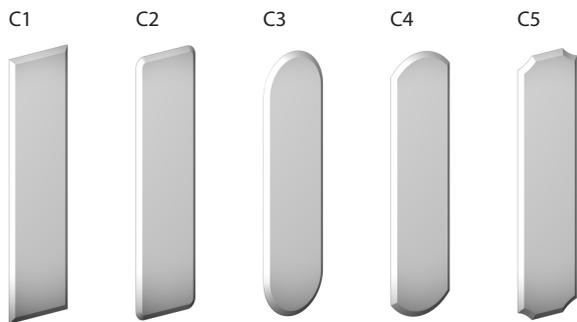
Push Plate Styles
Plates with square edges



Plates with soft edges (2mm radius)



Plates with chamfered edges (3mm x 30°)



Push Plates

This range of plates can be used with chant™ door hardware to complement lever handle back plate styles.

Standard plates measure 75mm x 250mm x 3mm thick. The thickness allows radiused and chamfered edges from groups B and C, in Technical Section, "Door Handle Plates".

Style Option and Code Number

	1	2	3	4	5
75 x 250 "A" group	3301	3302	3303	3304	3305
75 x 250 "B" group	3311	3312	3313	3314	3315
75 x 250 "C" group	3321	3322	3323	3324	3325

Fixing Options:

- X Glue fix
- Y Countersunk screw
- Z As a back plate behind a pull handle. The pull handle style, hole centres and hole size need to be specified

To order specify: (example)

Code Number	Fixing Option	Finish	Quantity
3301	Y	PBZ	2

Custom Sizes

Please note that special sizes of backplates can be made to order, please contact Chant.

Pull Handle Back Plate
3390, Example A



Pull Handle Back Plate
Example B



Pull Handle Back Plates

Pull Handle Back Plates and Strengthening Plates

This product is custom designed for applications where back to back fixing is required, and the ability to provide strengthening on a narrow stile timber door when a mortise lock is fitted.

These plates are made from 6.4mm thick brass bar. The outside plate has threaded studs on its back side, with tie screws coming through from the inside plate to clamp them onto the door.

Edge detail as per push plate and lever handle back plate options. If pull handles are being fitted, the handle style, hole centres and hole size need to be specified.

Special sizes of plates to suit particular mortise locks may be required to allow space for the lock to fit between the tie screws on the top or the bottom half of the plate.

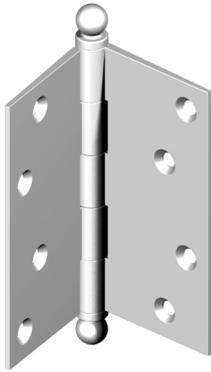
Plates can be made with pull handles on one or both sides, and options of double cylinder, cylinder and turn, or chant™ Cylinder/Turn Adaptor (refer to Lock Section).

Custom sizes of plates tailoring individual requirements are generally widths from 50mm to 75mm and lengths to 300mm.

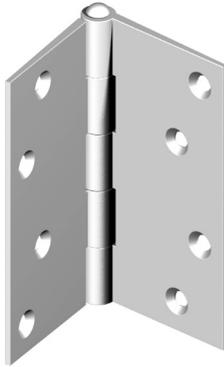
Specify:

- plate size
- lock type
- handle style and size
- fixing centres
- fixing bolt size of the pull handle
- sketch or drawing of the proposed assembly

Ball Tip Hinge



Mushroom Tip Hinge



BP Hinges

This range of hinges are made from solid **brass** extrusion with tapered leaves.

Hinge Dimensions

Height	100mm
Leaf Thickness	5mm
Overall Thickness	11mm
Widths	75mm/100mm

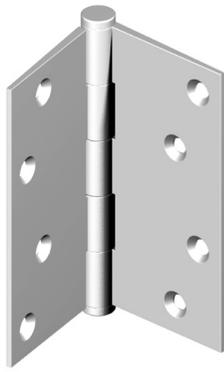
Hinge Sizes and Code Numbers

	75 x 75	100 x 75	100 x 100
Loose Pin Ball Tip	3601	3602	3603
Loose Pin Mushroom	3611	3612	3613
Loose Pin Acorn Tip	3621	3622	3623
Loose Pin Button Tip	3631	3632	3633
Fixed Pin Butt Hinge	3651	3652	3653
Security Pin Butt Hinge	3661	3662	3663

Acorn Tip Hinge



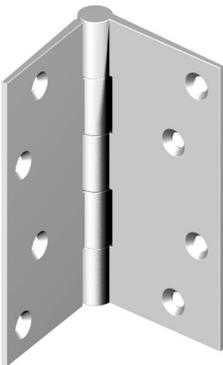
Button Tip Hinge



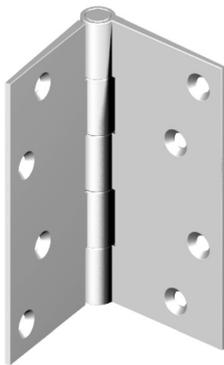
Finishes Available

All Standard Electroplated and "Living" Finishes on brass.
Refer to Finishes Section.
Supplied complete with matching screws.

Fixed Pin Butt Hinge



Security Pin Butt Hinge



Hinge 100 x 75mm



Hinge 100 x 75mm with handle



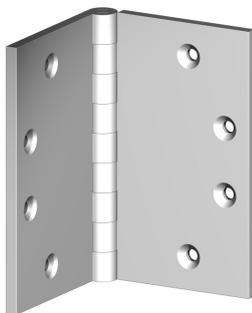
Hinge 100 x 75mm with ball tips



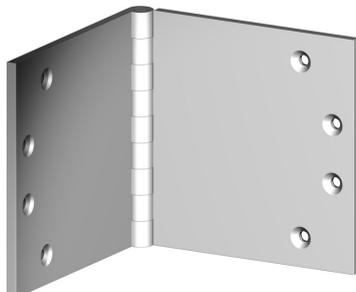
Hinge 100 x 100mm



Hinge 100 x 120mm



Hinge 100 x 200mm



Bronze Hinges

This range of Hinges, made from bronze as the base metal, are designed for doors and applications where a substantial hinge is required, and are finished only in the bronze finishes.

The Hinges feature a nine knuckle design, providing four load bearing faces per hinge, with a 316 stainless steel hinge pin.

Screw hole patterns can be positioned to suit individual requirements.

Hinge Dimensions

Height	100mm
Leaf Thickness	5mm
Overall Thickness	11mm
Widths	75mm, 100mm, 120mm, 200mm

Special hinge widths from 120mm to 200mm can be produced to order.

Hinge Sizes and Code Numbers

	Loose Pin	Fixed Pin	Ball Tip	Handle
100 x 75mm	3701	3702	3703	3704
100 x 100mm	3711	3712	3713	3714
100 x 120mm	3721	3722	3723	3724
100 x 200mm	3731	3732	3733	3734

Finishes Available

Polished Bronze	PBZ
Satin Bronze Aged	SBZA
Weathered Bronze	WBR
Weathered Bronze Dark	WBRD
Sand Bronze Aged	SABA

To order, specify: (example)

Code Number	Finish
3701	PBZ

1363 Flush Pull
Weathered Brass Finish



2810 Socket Bolt, retracted



2810 Socket Bolt, extended

Comma 3901



Comma 3902



Sabre 3911



Sabre 3912



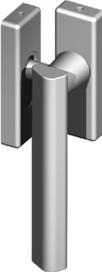
Cobra 3921



Cobra 3922



Delta 3931



Delta 3932



Swan 3941



Swan 3942



Line 3951

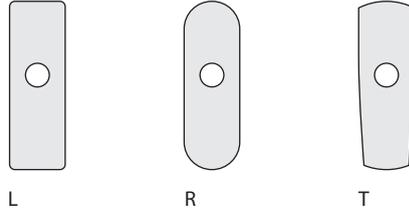


Line 3952



Casement Fasteners

Designed for wood and aluminium windows. The lever style options complement various ranges of lever handles. Base plate styles are rectangular based on the Line range (L), round ended on the Stretch, Motor and Axis ranges (R) or a Tapered (T) design.



The Casement Fasteners have a semi-concealed fixing for both the lever and the strike.

The Mortise Strike, at right angles to the Fastener; has a nylon insert to avoid metal to metal contact with the locking pin.

The Wedge Strike is either flush to the base of the casement or offset 8mm. The pin length is standard 32mm, providing fixing centres of 27mm. Overlength pin is 40mm, providing fixing centres of 35mm. Other sizes can be made to order.

Handing of Casement Fasteners

The Casement Fasteners shown are all Left Hand (LH). Specify Left Hand (LH) or Right hand (RH).

Casement Fasteners and Code Numbers

	With Mortise Strike	With Wedge Strike (flush)	With Wedge Strike (8mm offset)
Comma	3901	3902	3903
Sabre	3911	3912	3913
Cobra	3921	3922	3923
Delta	3931	3932	3933
Swan	3941	3942	3943
Line	3951	3952	3953
Angle	3961	3962	3963
Rod	3971	3972	3973
Curve	3981	3982	3983
Stretch	3991	3992	3993
Tri	4001	4002	4003

To order specify; (example)

Code number	Base Plate Style*	Pin Length	Handing	Finish
3901	T	32mm	LH	SCPV

Angle 3961



Angle 3962



Rod 3971



Rod 3972



Curve 3981



Curve 3982



Stretch 3991



Stretch 3992



Tri 4001



Tri 4002

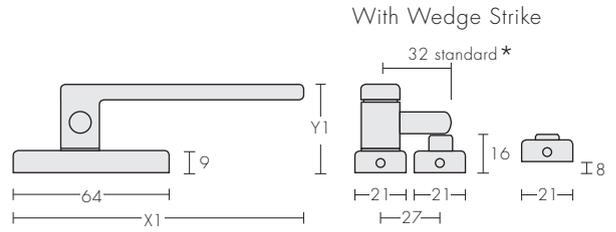


Mortise Strike 3995

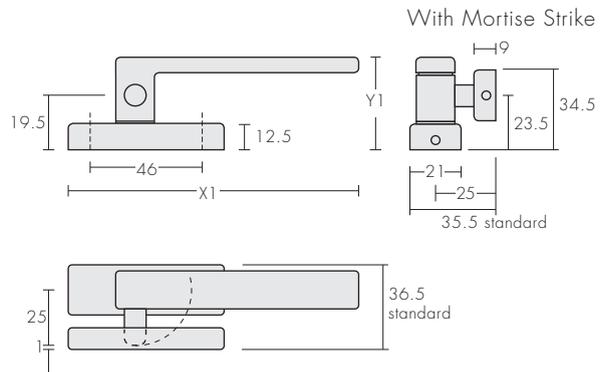
This Mortise Strike is for inward opening windows. It is flush mounted, visible fixed and has a nylon insert to avoid metal to metal contact with the locking pin.

Dimensions

Line 3952 example shown



*Note: Extended pins can be provided for the fasteners. Specify the distance from the pivot centreline to the end of the pin.

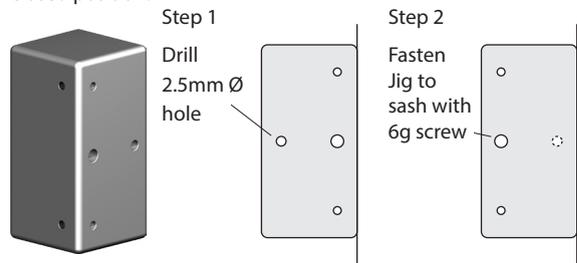


Dimensions overall (mm)

	casement length X1	fastener height Y1
Comma	125	47
Sabre	125	47
Cobra	120	47
Delta	120	38
Swan	120	47
Line	120	38
Angle	120	38
Rod	120	38
Curve	120	40
Stretch	120	38
Tri	120	38

Installation Drill Jig 4089

This drill jig is an aid to accurately drill the mounting holes for the Casement Fastener and Mortise Strike. The jig is positioned at the vertical height of the casement fastener base, fastened to the sash, then acts as a guide for drilling pilot holes for the fixing screws into the sash and frame, when the sash is in its closed position.

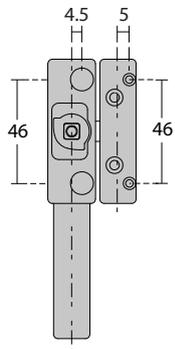
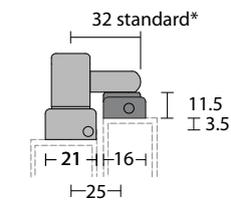
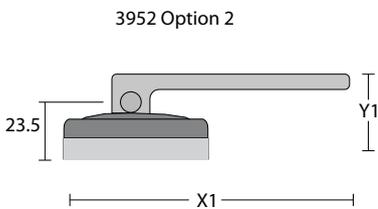
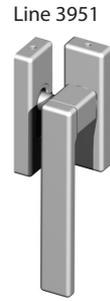
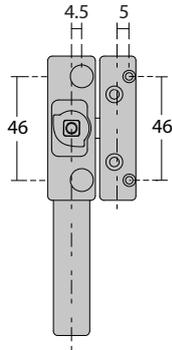
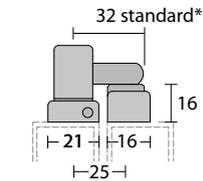
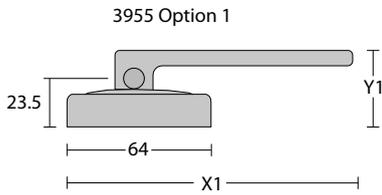


Step 3 Drill 4 holes 2.5mm Ø

Step 4 Remove Jig and install Casement Fastener

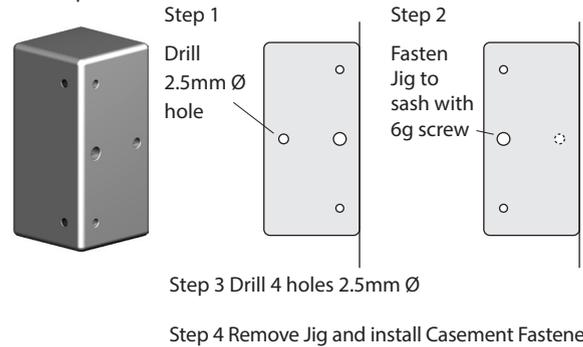
Dimensions

Line 3952 example shown



Installation Drill Jig 4089

This drill jig is an aid to accurately drill the mounting holes for the Casement Fastener and Mortise Strike. The jig is positioned at the vertical height of the casement fastener base, fastened to the sash, then acts as a guide for drilling pilot holes for the fixing screws into the sash and frame, when the sash is in its closed position.



Mortise Strike 3995

This Mortise Strike is for inward opening windows. It is flush mounted, visible fixed and has a nylon insert to avoid metal to metal contact with the locking pin.

Casement Fastener 4101

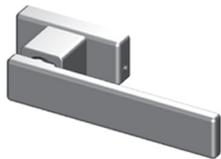
Closed



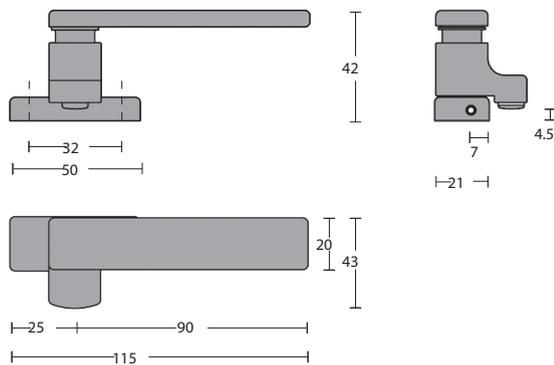
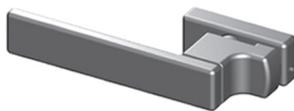
Open



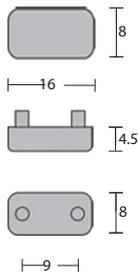
Closed



Open



Flush Strike 4102



180 Degree Casement Fastener

This Casement Fastener is designed in the "Line" style with a unique, 180 degree operation, for wood and aluminium windows. It is available in three variations;

- Wedgeless
- Flush Strike

When the window is shut, the handle is parallel to the bottom or side rail of the sash. To unlock, the handle is rotated through 90 degrees to relax the clamp from the transom or bottom of the frame, or strike, then rotating the handle and carrying the clamp with it to the 180 degree position. The handle is parallel again to the bottom or side rail of the sash.

This provides a "clear" view through the window, whether the window is closed or open.

The Casement Fastener is semi concealed fixed onto two mounting collars at standard 32mm fixing centres, and can be used in the two following configurations.

Wedgeless (no strike)

There is an 4.5mm offset from the base of the Casement Fastener to the clamping face, which suits many aluminium window designs, where the sash closes against a seal on the lip of the outer frame. This version does not use a strike.

Flush Strike

Same Casement Fastener as above, but combines with a flush strike. The base of the Casement Fastener on the sash, is flush or in line with the surface of the outer frame, adjacent transom or mullion. Specify in addition to the Casement Fastener.

The strike is adhesive fixed with two locating pins at 9mm fixing centres.

Handing of Casement Fasteners

The Casement Fasteners shown are all Left Hand (LH). Specify (LH) or (RH).

LH Rotates anticlockwise to open.

RH Rotates clockwise to open.

To order specify: (example)

Code Number	Handing	finish
4101	LH	SCPV

Handle styles/Plate examples

Delta Handle on a A2-18 Plate



Line Handle on a B1-18 Plate



Tilt and Turn

These levers and door handle plates are designed to fit Tilt and Turn window mechanisms and complement our matching door furniture on the project.

Plate styles are detailed in the Technical Section, 32mm Wide Plates. The handles have detents at 90 degree positions.

Fixing centres are 43mm, semi concealed fixing to suit standard Tilt and Turn mechanisms.

The flanged mounting collars are designed to retrofit onto existing installations.

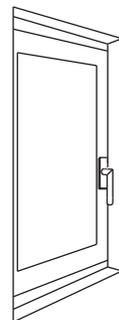
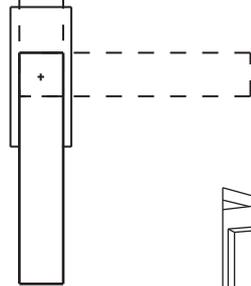
Additional Chant handle styles available

- Curve
- Bow
- Sabre
- Arc
- Cobra
- Cubic
- Swan
- Rod
- Tri

To order specify: (example)

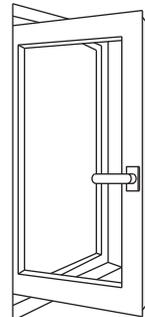
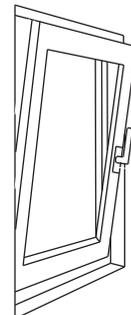
Handle Style	Plate Style	Plate Type (18)	Handing	Spindle Size	Finish
Line 691	B1	18	LH	LH	SCPV

Left hand handle shown.
Handing is required only on asymmetrical handles, ie Delta or Swan.

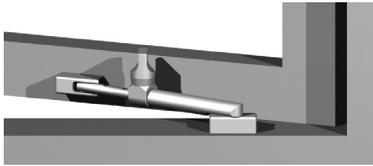


Handle is Down
Window is Closed

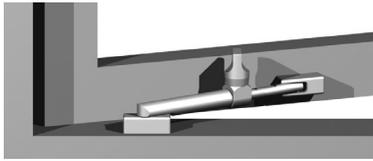
Handle is Upward
Window is Tilted



Handle is Horizontal
Window is Open

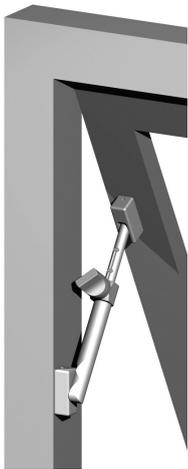


4201 LH



4201 RH

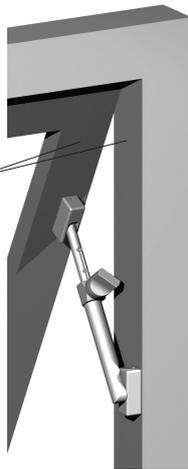
Casement window - side hung.
The mounting faces are at right angles to each other.



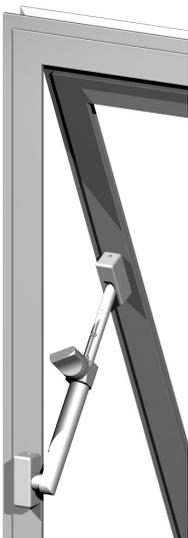
4211 LH

Awning window top hung.

These two faces
are at right angles
when the window
is closed.



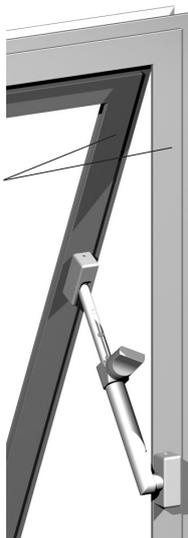
4211 RH



4221 LH

Awning window top hung.
Typically steel windows.

These two faces
are in line and
parallel when
the window
is closed.



4221 RH

Security Stays

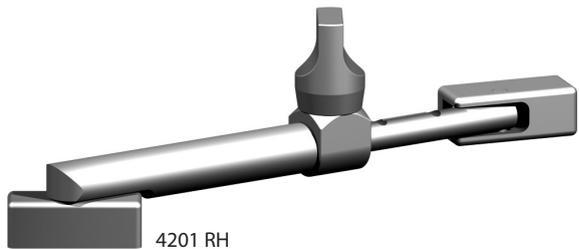
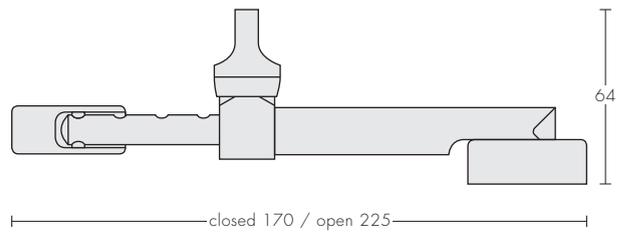
The Security Stays have semi-concealed fixing at each end on the mounting blocks. The thumb turn locks a ball into the recess in the telescoping shaft for a positive lock. Thumb turn rotation is less than two turns from lock to unlock, and there is no need to over tighten.

The Security Stay travel is limited to 55mm to limit the window opening. The stay needs to be positioned so that at its full extension, the window opening is limited to 100mm, as required by some local body bylaws for upper story windows.

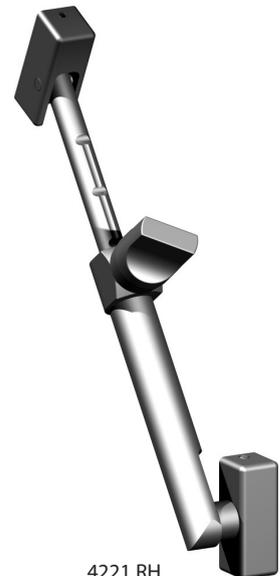
The Security Stays are handed Left Hand and Right Hand as shown.

The pictures opposite show the various mounting options available:

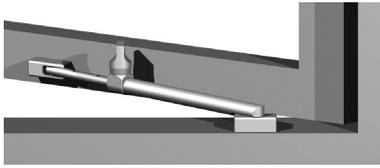
- Casement windows, where the mounting blocks are at 90 degrees to each other
- Awning windows where the mounting blocks are at 90 degrees to each other (these and the security stays above are not interchangeable)
- Awning windows where the mounting blocks are both in the same plane



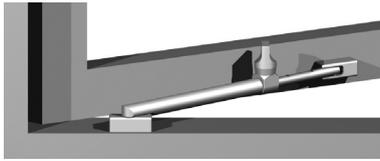
4201 RH



4221 RH

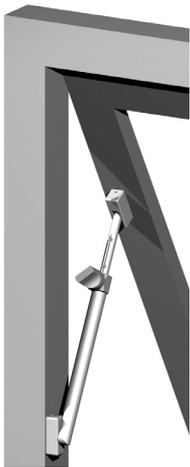


4231 LH



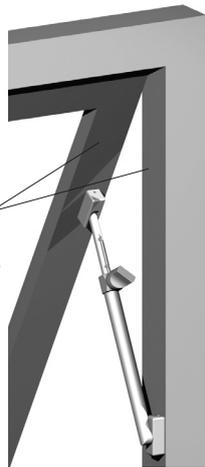
4231 RH

Casement window - side hung.
The mounting faces are at right angles to each other.



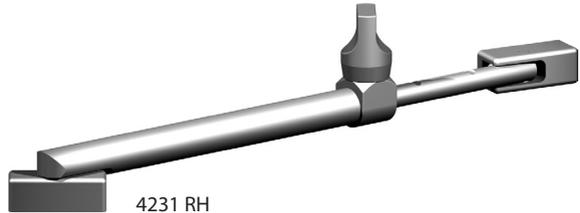
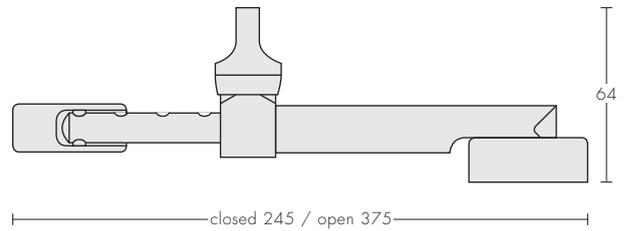
4241 LH

Awning window top hung.

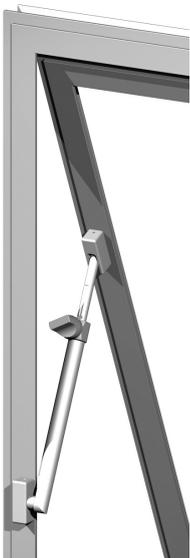


4241 RH

These two faces
are at right angles
when the window
is closed.

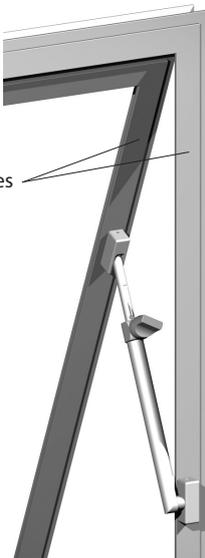


4231 RH



4251 LH

Awning window top hung.
Typically steel windows.



4251 RH

These two faces
are in line and
parallel when
the window
is closed.



4251 RH



Typical installation of Telescopic Stays

Telescopic Stays

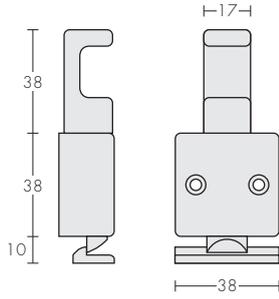
The Telescopic Stays have semi-concealed fixing at each end on the mounting blocks. The thumb turn locks a ball into the recess in the telescoping shaft for a positive lock. Thumb turn rotation is less than two turns from lock to unlock, and there is no need to over tighten.

The Telescopic Stays are handed Left Hand and Right Hand as shown.

The pictures opposite show the various mounting options available:

- Casement windows, where the mounting blocks are at 90 degrees to each other
- Awning windows where the mounting blocks are at 90 degrees to each other (these and the telescopic stays above are not interchangeable)
- Awning windows where the mounting blocks are both in the same plane

Spring Catch 4290



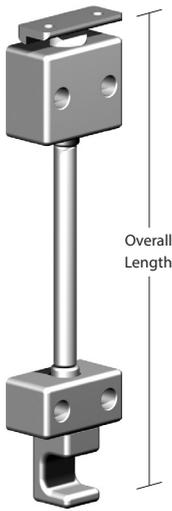
Spring Catch

Used on double windows where there is no mullion to lock the first closing leaf or bifolding windows, the Spring Catch is fastened to this leaf to lock the window to the sill. The second closing leaf is fastened to the first with a Casement Fastener and a Wedge Strike. (There may be a need to extend the length of the casement pin depending on the placement of the Casement Fastener and the width of the window stiles.)

Spring Catch travel is 6mm.

The Spring Catch is not designed to be used on French Doors. For this application refer to Square Bolts on pages 32 - 33.

Extended Spring Catch 4291



Extended Spring Catches

Available in extension multiples of 100mm.

Code Numbers	Extension	Overall Length
4291-1	100mm	186mm
4291-2	200mm	286mm
4291-3	300mm	386mm

To order specify; (example)

Code number	Finish
4290	SCPV

Twin Bolts

Designed for use generally on wood and aluminium bifolding doors. The bolt projection is 20mm top and bottom.

The actuator moves 60 degrees to the left or right, to suit the installation of the operating mechanism. A drive cam allows the actuator handle to return to the vertical position after the bolts have been retracted so it is not at an angle over the glass. The handle is then operated in the opposite direction to throw the bolt, and again returning to the vertical. In some applications, it may not be possible for the handle to swing in the opposite direction and therefore a straight spindle is required.

The bolt operating mechanism is made from brass and measures 25mm x 18mm in section. For both wood and aluminium applications, it is secured by an M5 screw and mounting collar onto the stile to hold it in position with the bolt rods attached and extending out the end of the stile.

The actuator has a semi concealed fixing screw at the top that fits on to the mounting collar and a second M5 screw at the bottom, hidden behind the actuator lever when it is in the vertical position.

The bolt rods are 12.7mm diameter stainless steel tube, made to length and pinned into the bolt tips.

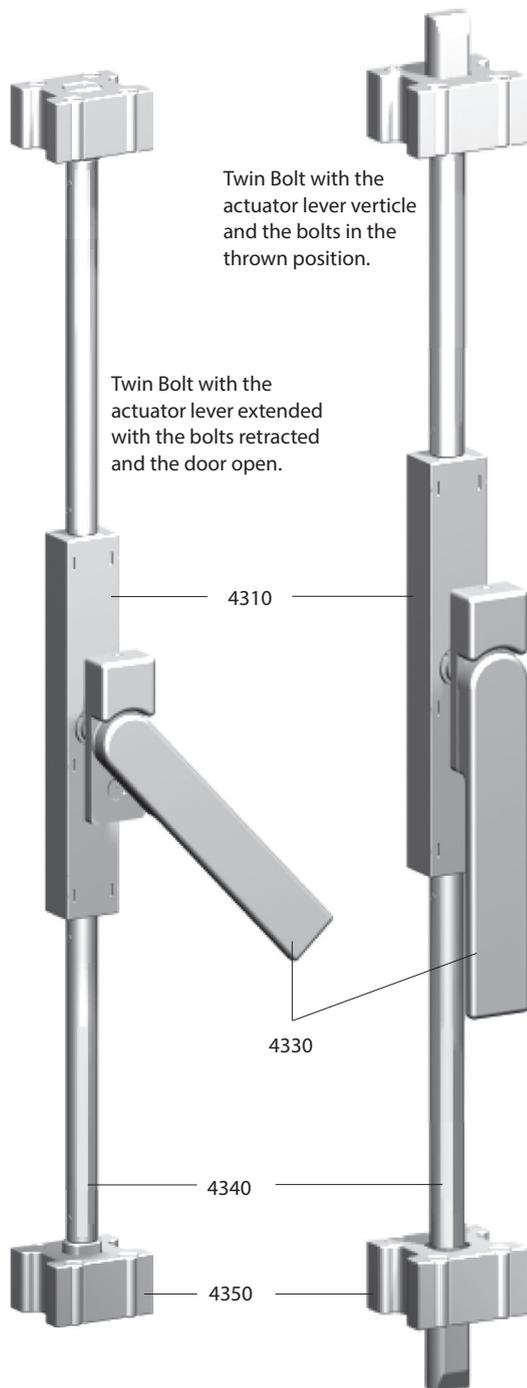
Aluminium guide blocks are custom made to suit the aluminium stile sections.

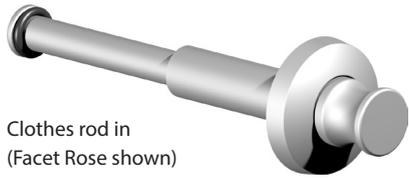
For wood doors, the twin bolt mechanism can be installed into custom made stiles in a manner as detailed elsewhere.

Refer to "Flush Sliding Bolts" and "Dust Socket" for details of available strikes to suit the site requirements. Custom strikes can be produced.

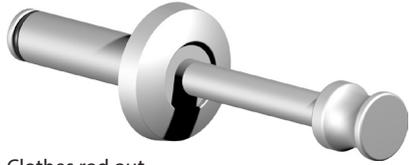
Refer to Finishes Section for options of the actuator handles.

Code Numbers
 4300 Twin Bolt Assembly
 4310 Twin Bolt Mechanism
 4330 "Line" Style Actuator
 4340 Bolt/Rod Set
 4350 Bolt Guide Block Set

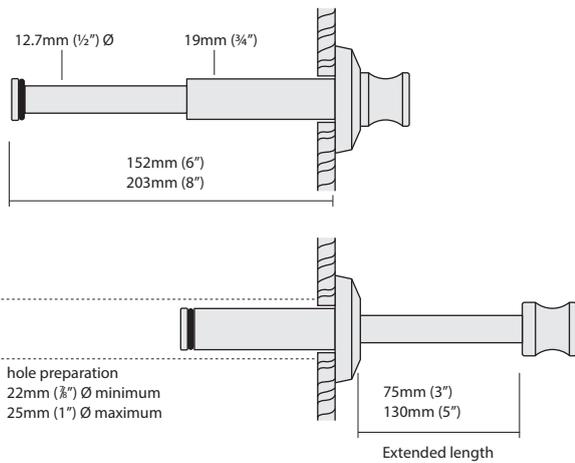




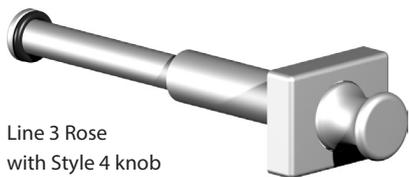
Clothes rod in
(Facet Rose shown)



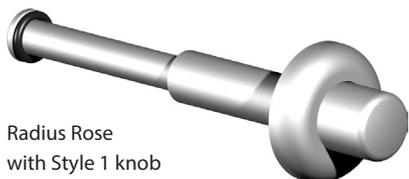
Clothes rod out
(Facet Rose shown)



All knobs are 25mm (1") \varnothing x 25mm (1") long and will suit any of our escutcheons.



Line 3 Rose
with Style 4 knob



Radius Rose
with Style 1 knob

Pull Out Clothes Rod

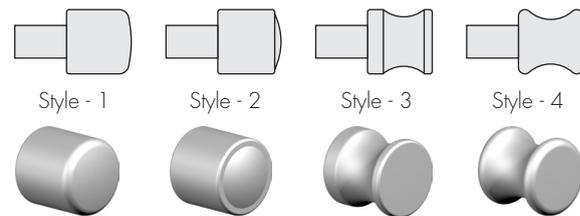
This is generally fitted into the wall adjacent to a wardrobe or closet to hang selected garments on.

Designed to complement the styling of chant™ door handles on roses using the various ranges of matching escutcheons. They are code numbered in a similar sequence, with optional pull knobs.

The 12.7mm (1/2") shaft has a smooth slide action in its guide tube with a rubber ring on the end to cushion the rod when it is pulled out. The conceal fixed mounting base is fastened to the wall with 4, 6g countersunk screws. Mounting in the wall requires a 22-25mm hole (7/8 - 1") diameter hole drilled into the wall surface, to accept the guide and rod. It must be perpendicular to the wall surface, otherwise binding of the rod will occur.

	75mm (3")	130mm (5")
Radius	4400	4401
Facet	4410	4411
Square	4420	4421
Pyramid	4430	4431
Line 1	32 x 50 vertical	4440
Rod/Angle		4450
Line 2	32 x 50 horizontal	4460
Line 3	38 x 50 horizontal	4470
Line 4	32 x 60 horizontal	4480
Line 5	38 x 60 horizontal	4490
Motor/Axis	4500	4501

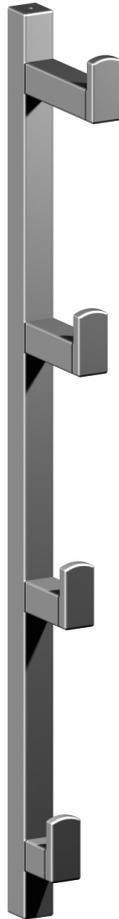
To specify the knob style required add suffix as follows:
eg. 4400 - 1



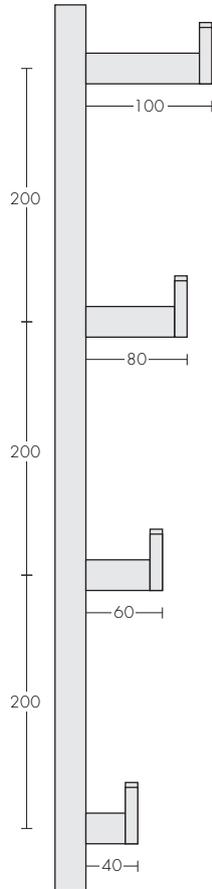
Two Hook Vertical
4622



Four Hook Vertical
4624



Three Hook Vertical
4623



Line Robe and Coat Hooks

This range of hooks are designed as singular or multiple hook designs.

The hooks are mounted onto a single or multiple mounting collars fastened to the wall by wood screws, plaster board anchors (if the plaster board is thick enough to hold the weight), gravity toggles, masonry anchors or similar fixing devices.

The multiple hooks, as vertical or horizontal designs, are available in the sizes stated, or can be custom made in length to suit site conditions, where solid mounting onto wall studs is desirable or necessary. The hooks are spaced at 200mm centres.

The main bar is 25.4mm (1") square and has the recesses machined into it for the mounting collars, with socket set screw fixing from the underside or at each end onto the mounting collars. On the horizontal coat hooks, these recesses can therefore be moved along the bar to suit solid mounting options that may be available. If custom variations are required, provide detailed drawings of:

- bar length
- mounting points
- number of hooks, spacing and distance in from each end (The end hooks can be flush to the end of the bar with mounting points to the inside)
- length of the hooks if there is a special requirement

Code Numbers

- 4601 50mm x 25mm x 50mm projection, one piece
- 4602 25mm x 25mm x 50mm projection, two piece
- 4603 30mm x 25mm x 50mm projection, two piece

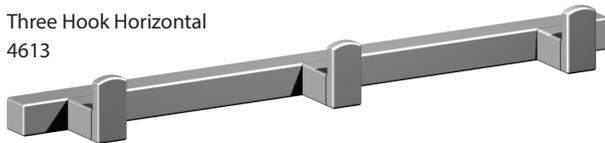
- 4612 Two hook, 200mm hook centres x 300mm overall length
- 4613 Three hook, 500mm overall length
- 4614 Four hook, 700mm overall length

- 4622 Two hook, 200mm hook centres x 225mm overall length
- 4623 Three hook, 500mm overall length
- 4624 Four hook, 700mm overall length

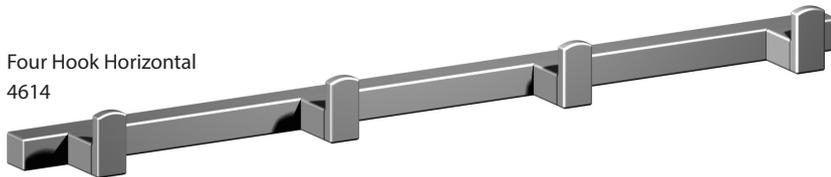
Two Hook Horizontal
4612



Three Hook Horizontal
4613



Four Hook Horizontal
4614



One Piece
4601

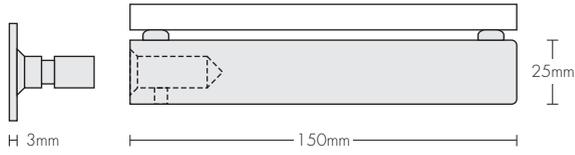
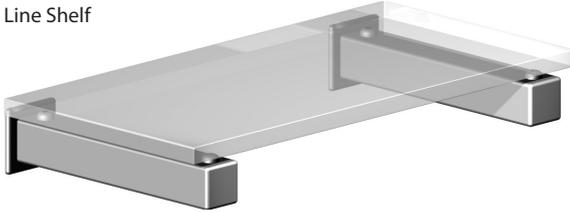


Two Piece
4602

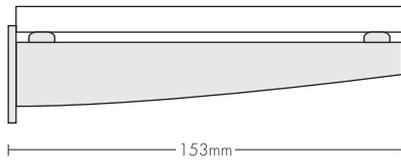
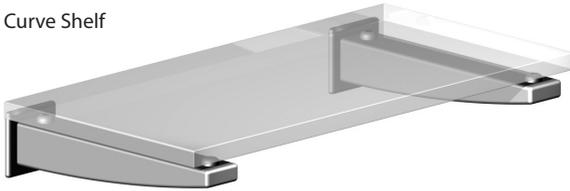


Two Piece
4603

Line Shelf



Curve Shelf



Line Shelf and Curve Shelf

Designed to complement the Line and Curve ranges of door handles.

The mounting brackets are 25mm (1") square and fix to the wall onto mounting collars. The square backplates are essential to prevent crushing of the wall surface and add support to the bracket.

The glass shelves are toughened with polished and arrased edges and rest on plastic non skid buttons. The brackets are fastened to the mounting collars with socket set screws from the underside.

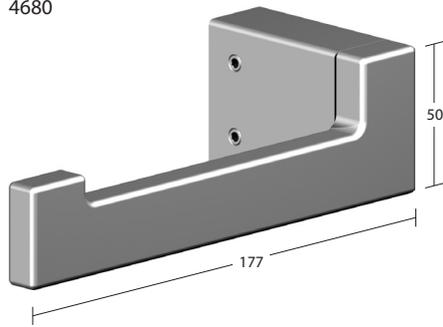
Line Shelf Code Numbers

4650	Pair of bracket assemblies
4651	Complete with glass shelf 300mm
4652	Complete with glass shelf 450mm
4653	Complete with glass shelf 600mm

Curve Shelf Code Numbers

4660	Pair of bracket assemblies
4661	Complete with glass shelf 300mm
4662	Complete with glass shelf 450mm
4663	Complete with glass shelf 600mm

Line Toilet Roll Holder
4680

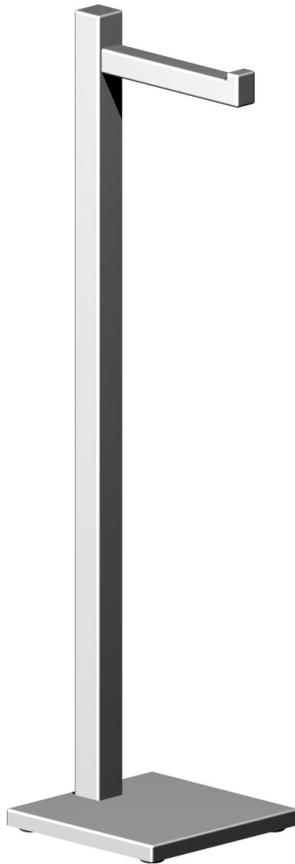


Line Toilet Roll Holder

The Toilet Roll Holder is fixed to the wall with semi-concealed fixing onto two mounting collars. The mounting collars need to be fastened to solid wood behind plaster board, wooden wall or masonry anchors onto concrete/tile.

Specify the wall type when ordering. Available as a left hand (LH) or right hand (RH) style. Right hand shown.

Pedestal Toilet Roll Holder
4681



Pedestal Toilet Roll Holder

The base of the Pedestal Toilet Roll Holder is solid cast brass or bronze with rubber feet in each corner.

Dimensions: Height: 600mm, Base: 150mm square.

4711 Drawer Pull 44 x 150



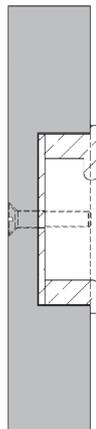
4735 Drawer Pull 44 x 200



4753 Drawer Pull 44 x 300



Cross section of a flush pull showing the offset lip. Fitted to the drawer front and fixed from the rear.

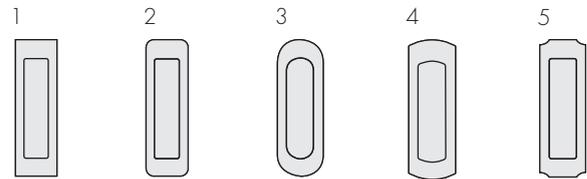


Drawer Pulls

Designed with an offset recess to provide easy finger grip in use. The examples shown are in some different style options to suit decor alternatives.

Back fixed on to the drawer front with M4 screws. Specify drawer thickness when ordering so that the correct length screws can be supplied.

Style Options



Drawer Pull Sizes and Code Numbers

Overall Size	Finger Recess	Style Option and Code Number				
		1	2	3	4	5
44 x 150	25 x 110	4711	4712	4713	4714	4715
44 x 175	25 x 135	4721	4722	4723	4724	4725
44 x 200	25 x 160	4731	4732	4733	4734	4735
44 x 250	25 x 210	4741	4742	4743	4744	4745
44 x 300	25 x 260	4751	4752	4753	4754	4755

To Specify: (example)

Code Number	Drawer Thickness	Finish
4711	19mm	SCPV

Installation of the flush pulls and turn in an aluminium stile



Retrofit Flush Pulls and Turn (USA)

Designed to fit on aluminium doors as retrofits onto Fleetwood Archetype Locks. These flush pulls have clean simple lines with a generous finger recess length, including a lip on the verticle edges to provide extra finger grip.

The flush pulls fit back to back with semi concealed fixings on the inside flush pull. The outside flush pull has mounting collars that fit into the inside pull at the top and bottom of the finger recess. Fixing is with two M6 socket set screws.

The finger recess measures 35mm (1³/₈") x 115mm (4¹/₂") x 16mm (5⁵/₈") deep.

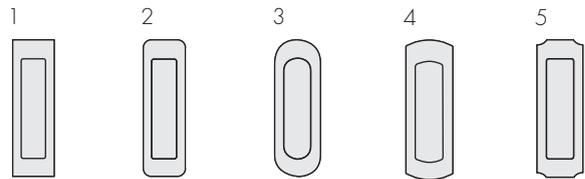
The thumb turn body fastenes to the lockcase. The turn is positioned vertical when the door is unlocked and rotates 120 degrees into the locked position.

All of these components fit into the standard cutout detail for the Fleetwood Flush Pulls.

The style options below can be applied to the flush pulls to suit decor alternatives and to match other Chant Flush Pulls and door hardware on the project.

All finishes options apply, refer to Finishes Section.

Style Options:



Style Options and Code Numbers

1	2	3	4	5
4781	4782	4783	4784	4785

To cover the machined opening in the aluminium stile, the Style Options 1, 2, 4 and 5 flush pulls are 175mm (6¹¹/₁₆") tall, and Style Option 3 is 200mm (7⁷/₈") tall.

To specify:

Code Number	Finish
4781	SCPV

Lift and Slide Assembly 4790
Example Line 5011 Lever Handle Style



Lift and Slide Handle

A lever handle and flush pull designed to be mounted back to back to operate GU Lift and Slide door mechanisms.

The lever handle plate is semi concealed fixed to the outside flush pull through the Lift and Slide mechanism. The plate can be produced in a variety of styles as detailed in the Technical Section.

The plate has detents to hold the handle in the upright and downward positions. Available with fixed or removable lever handle.

Spindle size is 9.7mm (3/8").

