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# Handing of Handles

## A technical view

The world has a variety of practices for the handing of door handles. We adopt the following method:

Handing is necessary in the following situations:

- When lever handles are to have their **visible-fixed side on the inside**, and the **concealed-fixed side on the outside**
- When lever handles are asymmetrical, i.e. cannot be reversed
- When lever handle back plates have different functions on each side of the door, i.e. lock cylinder on one side, thumb turn on the other
- Pull handles that are asymmetrical (not mirrored around the centreline)

## Hinges

We do not consider where the hinges are, as some doors do not have hinges. Our terminology applies to doors that swing out, swing in, slide to the left or to the right.

'Outside' is generally the outside of the building, or when standing in front of a door in a;

- Foyer, opening to the dining room, or lounge, or office
- hall opening to a bedroom
- bedroom opening to an ensuite
- or the most commonly viewed side
- or whichever side you choose is the 'outside'

## Pairs of handles back to back

The outside is the side that has the concealed-fixed handle on it, or the side which is fixed by the handle fastened on the inside.

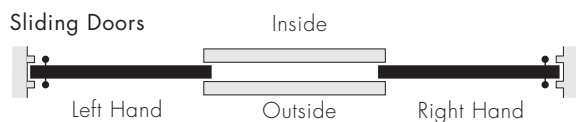
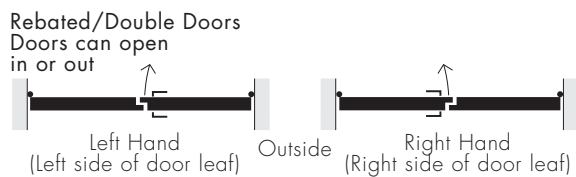
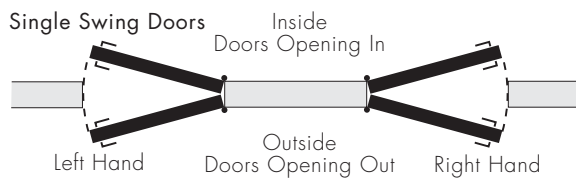
Refer to Technical Section for Mounting Options.

1. To determine the handing, select the side of the door which is the 'outside' or the most commonly viewed side. The handle on this side of the door is the concealed fixed handle.
2. If the handle is on the right, it is a RIGHT HAND pair of door handles, if on the left, it is a LEFT HAND pair of door handles.

Note: Applies to doors that open IN or OUT

## Single Handle

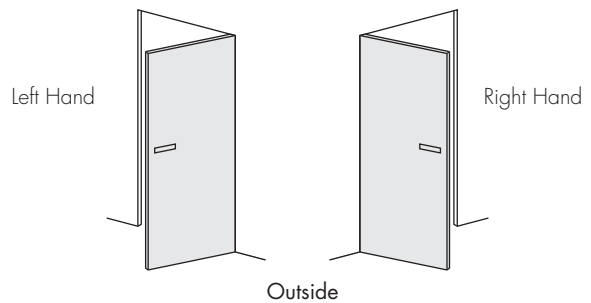
If the handle is on the right, it is a RIGHT HAND handle, on the left, it is a LEFT HAND handle.



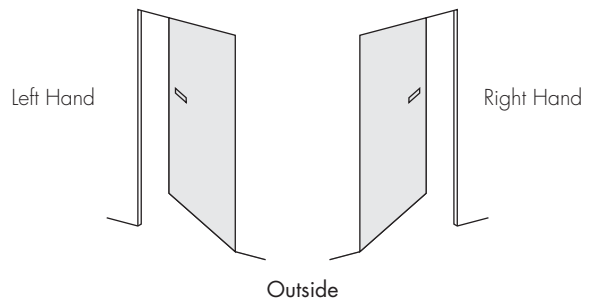
# Handing of Handles

## Being simplistic

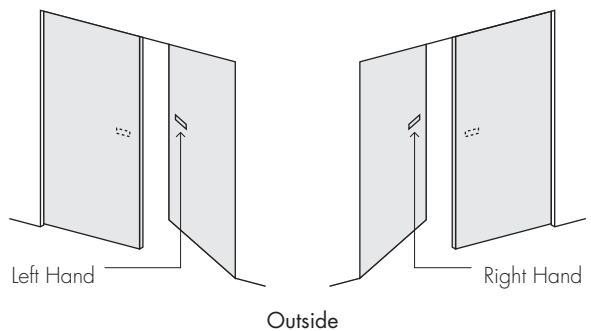
### Doors that open out



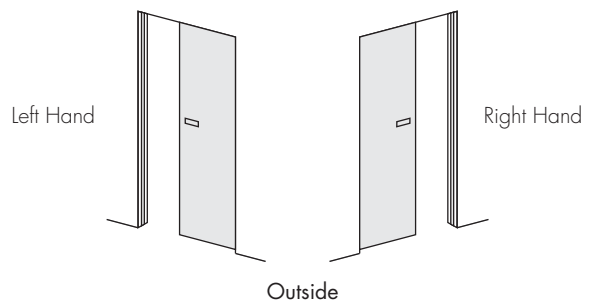
### Doors that open in



### Rebated/Double Doors that can open in or out



### Doors that slide



Record in your specifications for future reference what your choice is, as to the outside, for each door.

# chant™ Lever Handles on Rose

The following features are incorporated in the design of the roses:

- The handles are reversible on the roses
- 4 hole back to back fixing, 2 holes vertically for use with tubular latches and 2 holes horizontally for use with mortise locks
- Fixing centres available: - 38mm and 41mm
- Spring return on all handles
- Snap on rose cover to provide concealed fixing with screw driver recess to assist removal (these are generally on the inside rose only)
- Fixing plate available to lock the handle from turning
- Spindles supplied, 7.6mm or 8mm
- 5/32" x 3" BSW (76mm) stainless steel screws supplied
- Three rose cover styles: F=Facet, R=Radius, S=Square to complement lever styles and escutcheons in the 3400, 3410, 3420 Series
- Rose cover styles: P=Pyramid and C=Cylinder are designed for the Cubic, Rod and Angle lever handle styles. These styles are complemented by the escutcheons in the 3430 and 3450 series

## Rose Types 38F, 38R, 38S, 38P, 38C, 38M

F=Facet, R=Radius, S=Square, P=Pyramid, C=Cylinder,

38mm fixing centres for:

- Tubular latch: 60mm backset or longer
- Profile cylinder mortise locks:
  - AGB, CES, chant™, CISA, Dorma, FSB, GSV, Häfele, JADO, KfV, Protector Series, SAB
  - Legge 8762, 57mm backset
- Oval cylinder mortise locks:
  - Astra Brass and Astra S Series
  - Legge 990 MF
  - Union 2041, 127mm backset (has the lock cylinder horizontally in line with the lever handle)
  - Union 2241, 57mm and 82.5mm backsets
- Mortise latch: Union 2677, 57mm backset

## Rose Types 41F, 41R, 41S, 41P, 41C, 41M

F=Facet, R=Radius, S=Square, P=Pyramid, C=Cylinder,

41mm fixing centres for:

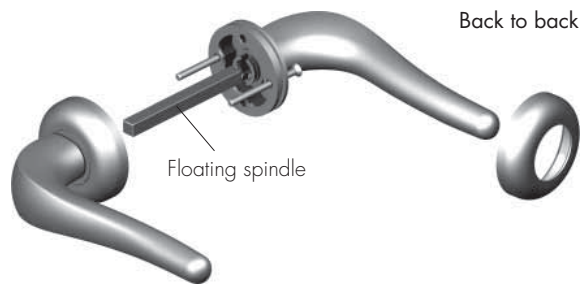
- some Tubular latches, 60mm backset or longer
- Lockwood 3500 Series mortise lock (Australia)
- NT Falcon mortise lock (USA)

Example and specification of an order for lever or fixed handle on rose.

Handle Type	Rose Style	Handing	Lever (L) Fixed (F)	Finish	Spindle Size	Quantity
531	38F	LH	L	SCPV	8mm	5pr

It is recommended that the lock type is stated when ordering lever handles.

## Mounting Options



Back to back



Surface fixed

The inside handle has a two piece rose which includes a removable cover.



Back fixed

The external handle generally has a one piece rose.

## Rose Styles



Facet



Radius



Square



Pyramid



Cylinder



Line

## Examples of handles on plates, and with turn options



Sabre 531 Handle on C4-250 Plate



Arc 551 Handle on B3-256 Plate with a conventional profile cylinder and turn



Delta 631 Handle on A2-258 Plate with a chant™ Profile Cylinder Turn Adaptor



Cubic 671 on C1-110 Plate



Swan 651 on A3-211 Plate



Segment 5071 on B1-111 Plate

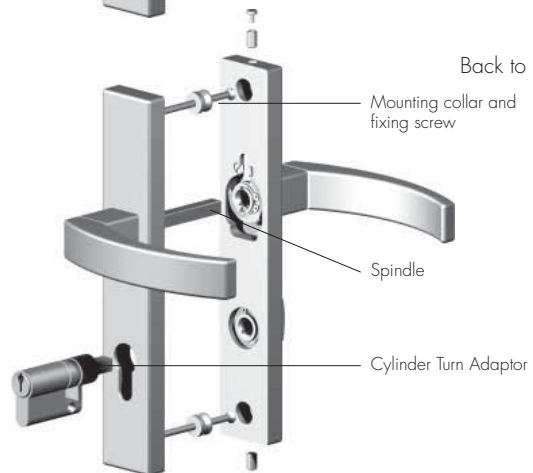
## Mounting Options



Surface fixed



Back fixed



Back to back



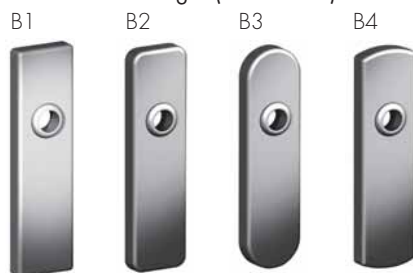
# chant™ Door Handle Plates

## Plate styles

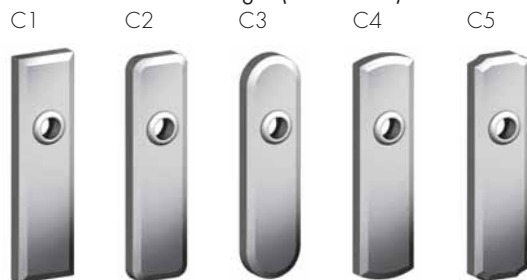
### Plates with square edges



### Plates with soft edges (2mm radius)



### Plates with chamfered edges (5mm radius)



This style C1–C5 is available only in 38mm, 44mm and 50mm wide plates.

### Plates with chamfer (2mm x 2mm)



Suitable for 38mm and wider plates only.

The combinations of chant™ and Mason handles on different plate styles, allow them to be used to fit a variety of design applications, from contemporary to traditional. Narrow plates for narrow stiles and French doors, wider plates on solid internal doors, and large plates for entrance doors.

All chant™ and Mason handles can be fitted to the plates for all functions, except the Mason Swim lever handle in narrow style applications. The forward overhang of this handle style does not allow it to be used on locks with a backset of less than 55mm.

### Plate dimensions

The 32mm and 38mm plates are designed for glazed aluminium and wooden doors where there is space for narrow backset locks only (30mm minimum backsets), and on solid doors where the narrow plate style is required. Handles are not reversible on these plates. The 44mm and 50mm wide plates are designed for latches and locks with a minimum backset of 45mm, and are reversible LH/RH when used with symmetrical handle styles. All plates are 12.5mm deep.

### Fixing

The outside plates are concealed fixed and fastened to the door with two screws and mounting collars from the inside of the door. The inside plate slides over the mounting collars and is secured by two socket set screws on the top and bottom edge of the plate. A small plug drops into the socket set screw to cover it.

When plates with an emergency turn are required to have a coloured indicator function showing the lock status, specify 'i' after the plate number: eg 32i.

### 3-point locking systems

All lever handles on plates can be used with 2 or 3 point locking systems where the handle is operated upwards to set the bolts. Specify 3PL in the order code (Plate Combination), when ordering.

## To Create a Specification

1. Select handle style.
2. Select plate style from the chart (A1 – C5).
3. – Select plate width from the following:
  - 32mm, 38mm, 44mm, 50mm
  - Select the group corresponding with the lock type required, eg. 30–38 group for a chant™ lock.
  - Select the plate number to match the function for both outside and inside plates (if a pair is required) eg. 31+38, or a single plate only for outside or inside, eg. 30 or 35.
4. Select handing – refer to 'Handing of Handles'.
5. Select handle function: Lever (L) or Fixed (F).
6. Select handle finish. (Alternative finishes on each side of the door may be specified – order carefully!).
7. Specify spindle size: 7.6mm or 8mm.
8. Specify quantity required.

### Example of specifications required for an order

1. Handle Style	2. Plate Style	3. Plate Combination	4. Handing	5. Lever (L) or Fixed (F)	6. Finish	7. Spindle Size	8. Quantity
Sabre 531	C4	31+36*	LH	L	SCPV	7.6mm	2pr

Repeat this ordering sequence for each plate combination required for the project.

\*Please note that an additional specification will be required: The spindle to cylinder barrel or thumb turn centreline dimension, for group 40, 110, 260, 320, 710 and 810 plates, ie. 72, 85 or 92mm.

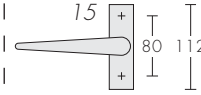
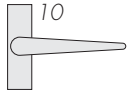
# 32mm Wide Plates

## Outside Plates – Concealed fixing.

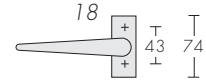
Left hand shown for both outside and inside plates, refer to 'Handing of Handles' for handing specification.  
Specify handing when ordering.

## Inside Plates - Semi concealed fixing.

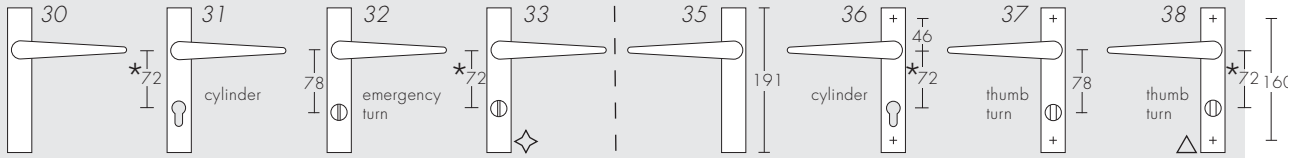
Plates to suit: **Tubular Latches**



**Tilt and Turn handle plate**



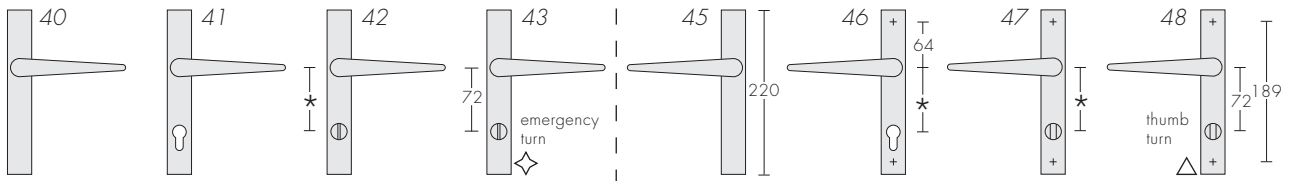
Plates to suit: **chant™, Dorma, FSB, Häfele, JADO, KfV, NEMEF, etc. mortise locks – 72mm centres\***



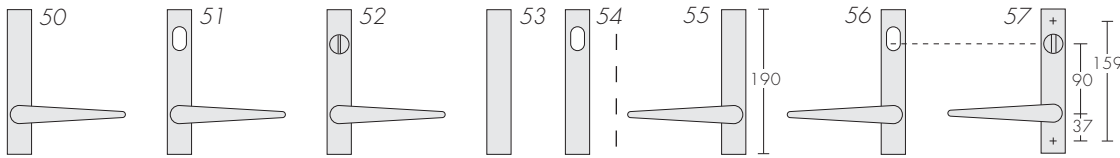
◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ locks fitted with a hub for a privacy function, refer to Lock Section.

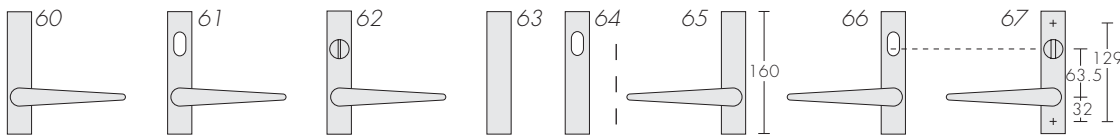
Plates to suit a variety of profile cylinder locks. After the plate number, specify the spindle to cylinder barrel or thumb turn centreline dimension. \* e.g. 41 + 46 - 85mm. ◇ or △ denote plates for chant™ mortise locks only. Also for Gainsborough 3400 and 3500 Series Locks with oval cylinders.



Plates to suit: **Legge 995 MF, Lockwood 5582 – 30mm backset, Lockwood 6582 – 38mm backset narrow stile mortise locks**



Plates to suit: **Legge 990 Series and Lockwood 3570 Series mortise locks – 60mm, 89mm and 127mm backset**



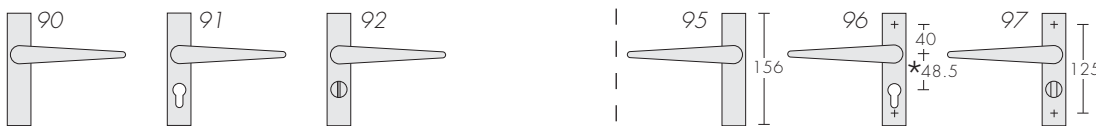
Plates to suit: **Legge 8512, 8642, 8762, Yale 3100, Jackson, etc. mortise locks – 47.5mm centres\***



Plates to suit: **Imperial G7000, G8020 etc. mortise locks – 51mm centres\***



Plates to suit: **Protector Series 735, Medio ME44 (short or deep backset) etc. mortise locks – 48.5mm centres\***



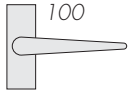
Plates shown on grey suit chant™ mortise Locks. Refer to Lock Section.

# 38mm Wide Plates

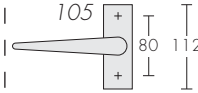
## Outside Plates – Concealed fixing.

Left hand shown for both outside and inside plates, refer to 'Handing of Handles' for handing specification.  
Specify handing when ordering.

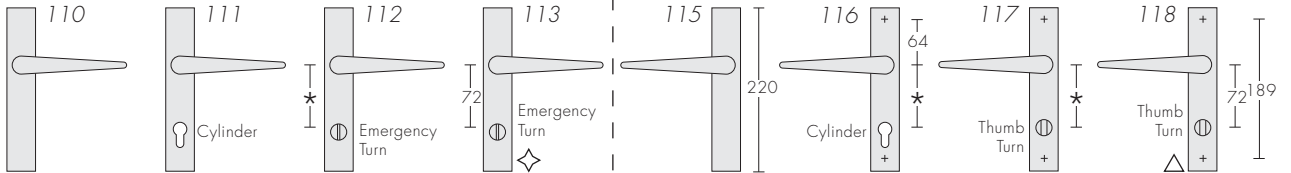
Plates to suit: **Tubular Latches**



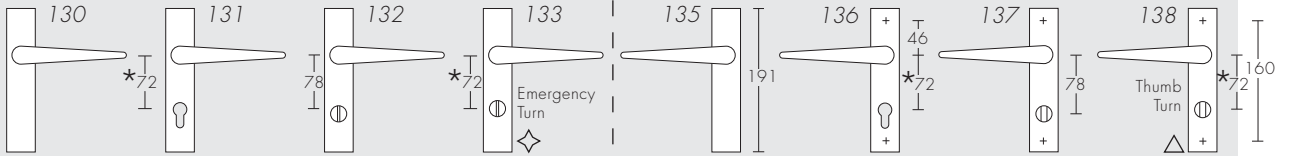
## Inside Plates - Semi concealed fixing.



Plates to suit a variety of profile cylinder locks. After the plate number, specify the spindle to cylinder barrel or thumb turn centreline dimension. \* e.g. 111 + 116 - 85mm. ◇ or △ denote plates for chant™ mortise locks only. Also for Gainsborough 3400 and 3500 Series Locks with oval cylinders.



Plates to suit: chant™, Dorma, FSB, Häfele, JADO, KfV, NEMEF, etc. mortise locks – 72mm centres \*



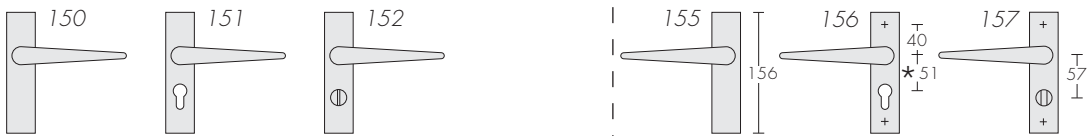
◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ locks fitted with a hub for a privacy function, refer to Lock Section.

Plates to suit: Legge 8512, 8642 and 8762; Yale 3100, Jackson, etc. mortise locks – 47.5mm centres \*



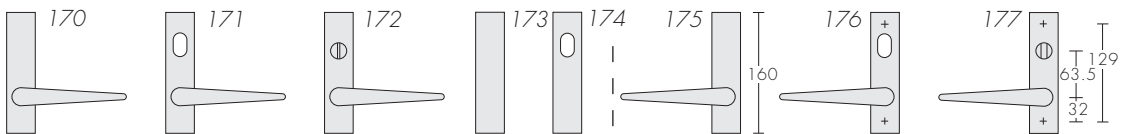
Plates to suit: Imperial G7000, G8020 etc. mortise locks – 51mm centres \*



Plates to suit: Protector Series 735, Medio ME44 (short or deep backset) etc. mortise locks – 48.5mm centres \*



Plates to suit: Legge 990 Series and Lockwood 3570 Series mortise locks – 60mm, 89mm and 127mm backset



Plates shown on grey suit chant™ mortise Locks. Refer to Lock Section.

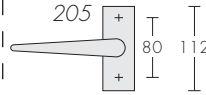
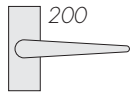
## 44mm Wide Plates *Handles on these plates are reversible on-site if the handle is a symmetrical style.*

### Outside Plates - Concealed fixing.

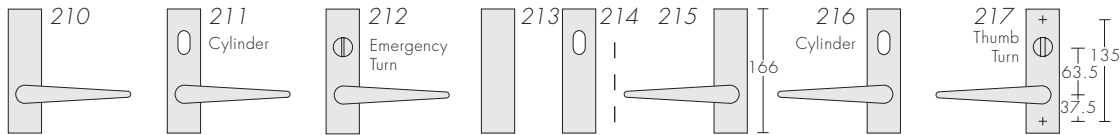
Left hand shown for both outside and inside plates, refer to 'Handing of Handles' for handing specification.  
Specify handing when ordering.

### Inside Plates - Semi concealed fixing.

Plates to suit: **Tubular Latches**



Plates to suit: **Legge 990 Series and Lockwood 3570 Series mortise locks** – 60mm, 89mm and 127mm backset



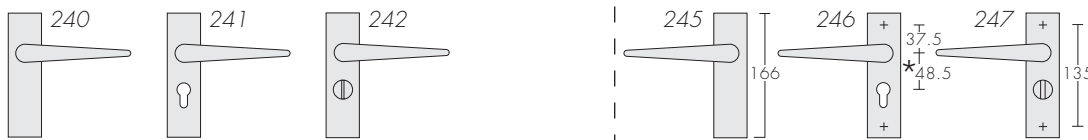
Plates to suit: **Legge 8512, 8642 and 8762; Yale 3100, Jackson, etc. mortise locks** – 47.5mm centres \*



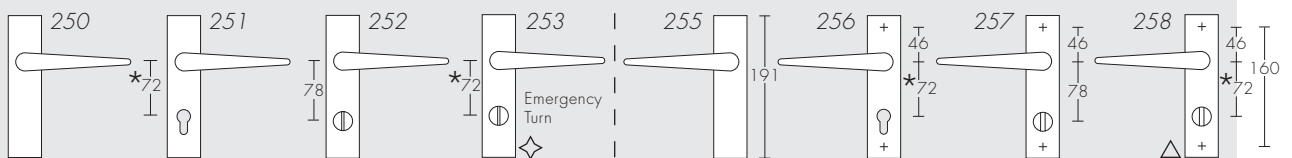
Plates to suit: **Imperial G7000, G8020 etc. mortise locks** – 51mm centres \*



Plates to suit: **Protector Series 735, Medio ME44 (short or deep backset) etc. mortise locks** – 48.5mm centres \*



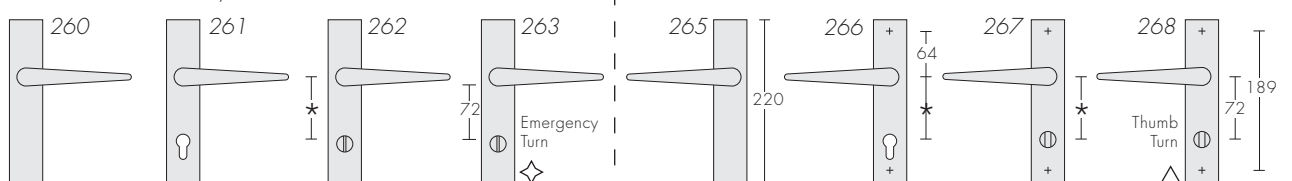
Plates to suit: **chant™, Dorma, FSB, Häfele, JADO, KfV, NEMEF, etc. mortise locks** – 72mm centres \*



◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ locks fitted with a hub for a privacy function, refer to Lock Section.

Plates to suit a variety of profile cylinder locks. After the plate number, specify the spindle to cylinder barrel or thumb turn centreline dimension. \* e.g. 261 + 266 - 85mm. ◇ or △ denote plates for chant™ Mortise Locks only. Also for Gainsborough 3400 and 3500 Series locks with oval cylinders.



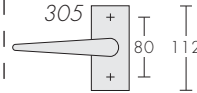
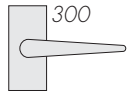
Plates shown on grey suit chant™ Mortise Locks. Refer to Lock Section.

**50mm Wide Plates** *Handles on these plates are reversible on-site if the handle is a symmetrical style.*

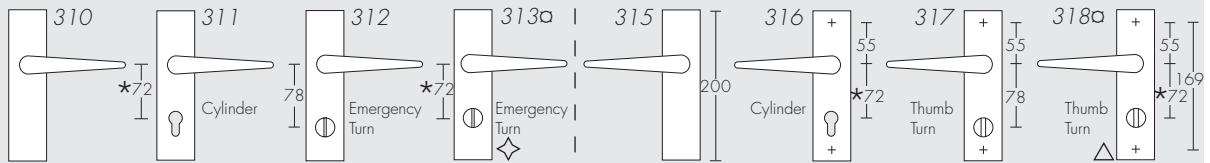
**Outside Plates – Concealed fixing.** | **Inside Plates - Semi concealed fixing.**

Left hand shown for both outside and inside plates, refer to 'Handing of Handles' for handing specification. Specify handing when ordering.

Plates to suit: **Tubular Latches**



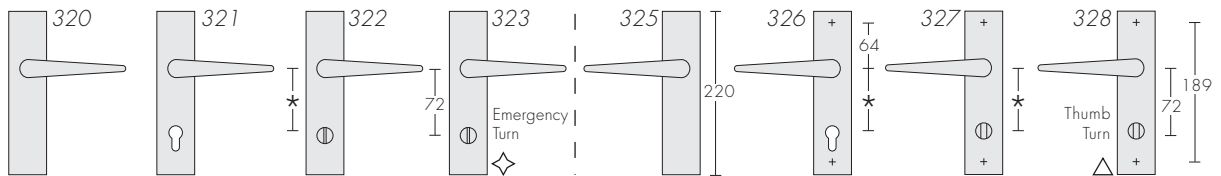
Plates to suit: chant™, Dorma, FSB, Häfele, JADO, KfV, NEMEF, etc. mortise locks – 72mm centres \*



◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ Lock fitted with a hub for a privacy function.

Plates to suit a variety of profile cylinder locks. After the plate number, specify the spindle to cylinder barrel or thumb turn centreline dimension. \* e.g. 321 + 326 - 92mm. Also for Gainsborough 3400 and 3500 Series Locks with oval cylinders.



◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adapter or chant™ Lock fitted with a hub for a privacy function.

Plates shown on grey suit chant™ Mortise Locks. Refer to Lock Section.

## Handle Style Specific Plates: (refer to Chant Door Handles Section)

### Outside Plates – Concealed fixing.

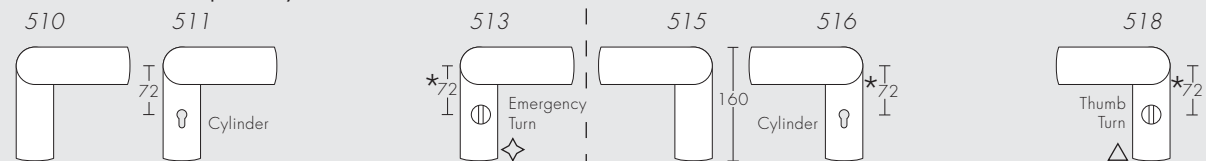
Left hand shown for both outside and inside plates, refer to 'Handing of Handles' for handing specification.  
Specify handing when ordering.

### Inside Plates - Semi concealed fixing.

## Radius Plates

These plates are designed specifically for the Radius style lever handles. The plates tie screw back to back at 38mm centres horizontally about the spindle and a single screw at the bottom of the plate. The inside lever handle is removed from its boss to expose the fixing screws. Designed for use with chant™ locks as they have lightly sprung hubs to suit the sprung lever handles.

Plates to suit: chant™ profile cylinder mortise locks – 72mm centres \*

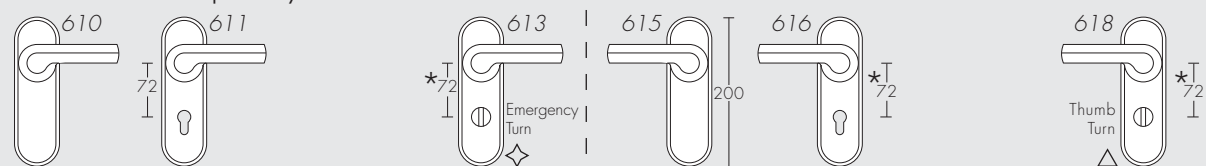


◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ locks fitted with a hub for a privacy function, refer to Locks Section.

## Motor/Axis Plates

Plates to suit: chant™ profile cylinder mortise locks – 72mm centres \*

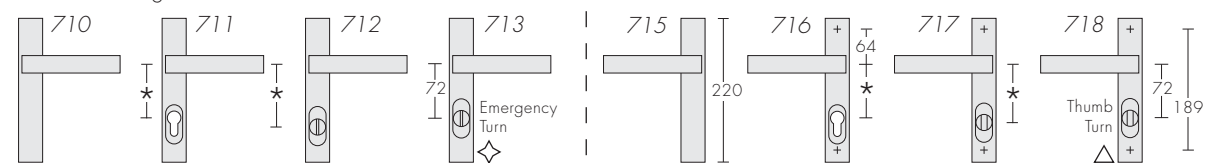


◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ locks fitted with a hub for a privacy function, refer to Locks Section.

## Segment Plates

Plates to suit a variety of profile cylinder locks. After the plate number, specify the spindle to cylinder barrel or thumb turn centreline dimension. \* e.g. 711 + 716 - 92mm.

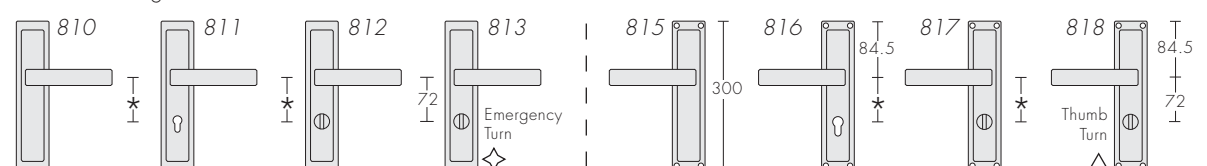


◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ locks fitted with a hub for a privacy function, refer to Locks Section.

## Regent 5191 Plates

Plates to suit a variety of profile cylinder locks. Inside plates visible fixed with tie screws to the outside plate, except when used with chant™ 'CF' locks. After the plate number, specify the spindle to cylinder barrel or thumb turn centreline dimension. \* e.g. 811 + 816 - 85mm.



◇ For chant™ locks fitted with a hub for a privacy function.

△ For locks using chant™ Cylinder Turn Adaptor or chant™ locks fitted with a hub for a privacy function, refer to Locks Section.

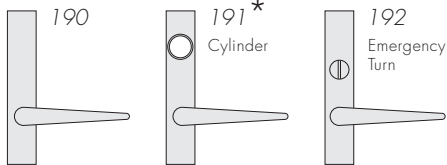
Plates shown on grey suit chant™ Mortise Locks. Refer to Locks Section.

## Plates to suit Accurate and similar USA mortise locks

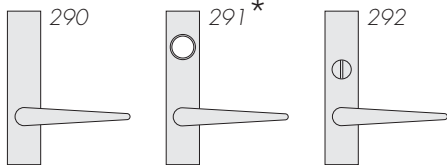
### Outside Plates - Concealed fixing.

Left hand shown for both outside and inside plates, refer to 'Handing of Handles' for handing specification.  
Specify handing when ordering.

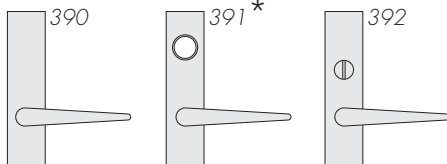
38mm wide plates to suit: **Accurate and similar USA mortise locks**



44mm wide plates to suit: **Accurate and similar USA mortise locks**



50mm wide plates to suit: **Accurate and similar USA mortise locks**

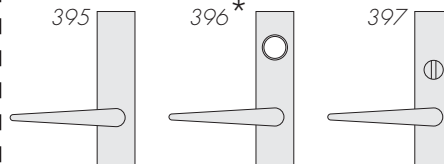
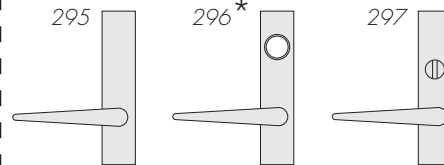
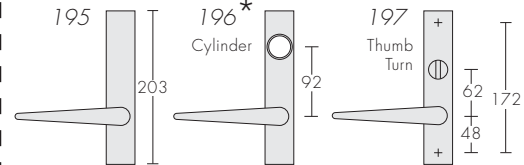


\* For 1 1/4" diameter cylinders add suffix -1

\* For 1 3/8" diameter cylinders add suffix -2

\* For 1 3/8" diameter Baldwin bevelled cylinders add suffix -3  
i.e. 191-1 or 191-2 or 191-3

### Inside Plates - Semi concealed fixing.

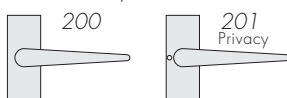


## Plates to suit Tubular latches (Refer also to previous pages for 32mm and 38mm wide plates.)

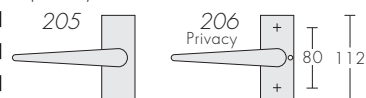
### Outside Plates - Concealed fixing.

Left hand shown for both outside and inside plates, refer to 'Handing of Handles' for handing specification.  
Specify handing when ordering.

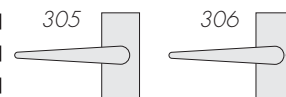
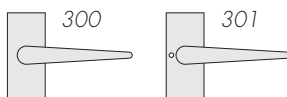
44mm wide plates to suit: Tubular latches and Baton Tubular Latch with privacy function



### Inside Plates - Semi concealed fixing.

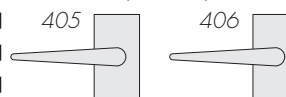
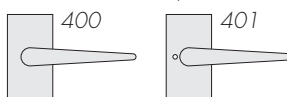


50mm wide plates to suit: Tubular latches and Baton Tubular Latch with privacy function



60mm wide plates to suit: Tubular latches and Baton Tubular Latch with privacy function

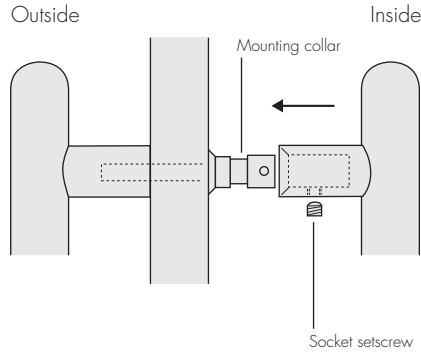
The 400 and 405 plates are designed to cover 2 1/8" diameter holes that have previously been made for knob sets.



# Pull Handle Mounting Options

## Mounting Option 1

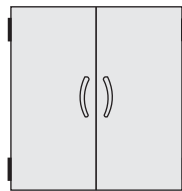
Back to Back (BTB) - Pairs of handles



Example and specification of an order for 2 pair Sabre 522 handles to be mounted back to back on 2 adjacent doors or 1 pair of Cobra 601 handles on a single door.

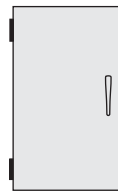
Example/Handle	Mounting	Handing (if applicable)	Finish	Quantity
A/522	BTB	RH	SCPV	1 pair
A/522	BTB	LH	SCPV	1 pair
B/601	BTB	-	COP	1 pair

Example A



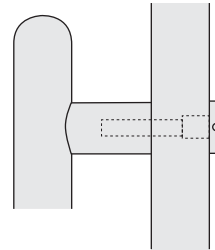
Right hand handle      Left hand handle\*

Example B



## Mounting Option 2

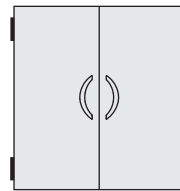
Back Fixed (BF) - One pair of handles on two adjacent doors or a single handle on one door.



Example and specification of an order for 1 pair of Luna 562 handles or 1 only Arc 541 handle.

Example/Handle	Mounting	Fastening Option	Handing (if applicable)	Finish	Quantity
C/562	BF	FS	LH/RH	PBZ	1 pair
D/541	BF	DS	RH	SBZA	1 only

Example C



Example D



\*Note: This is a left handle because it is on the left side of the door leaf, when viewed from the "outside" or concealed-fixed side. Refer to "Handing of Handles" at the front of this section.

## Fastening options for back fixed handles

Countersunk slotted screw - M6 x 50mm

Code CS



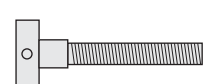
Dome Screw - For glass or wooden doors M6 x 75mm standard length supplied, OR specify door thickness.

Code DS



Flat Screw - For aluminium or wooden doors M6 x 75mm standard length supplied, OR specify door thickness.

Code FS

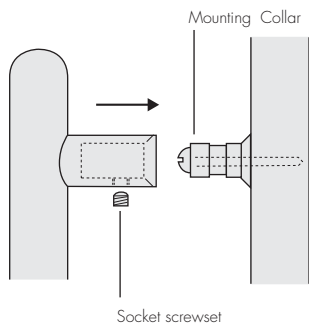


### Mounting Option 3

**Surface Fixed (SF) - One pair of handles on two adjacent doors or a single handle on one door**

Wooden Doors only. Mounting collars are screwed to the door with 10g x 50mm (2") stainless steel screws. The handle is fixed to the collars with socket set screws.

Aluminium Door Stiles. The mounting collar can be fastened through the aluminium section into a wooden block inserted into the stile before assembly, or use "clinch" nuts fitted to the stile.

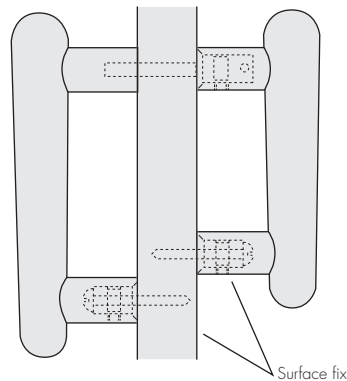


### Mounting Option 4

**Combination Handles (Pairs of dissimilar handles)**

Used in situations where handles are necessary on both sides of a door, and a change in size is required from one side to the other. Example: Large handle on the outside of a front door with a smaller handle on the inside for the entry foyer.

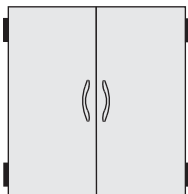
Top to Top, specify - TT



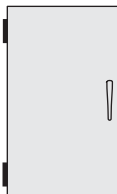
Example and specification of an order for 1 pair of Bow 502 handles or 1 only Cobra 602 handle.

Example/Handle	Mounting	Handing (if applicable)	Finish	Quantity
E/502	SF	LH/RH	SCPV	1 pair
F/602	SF	-	PCP	1 only

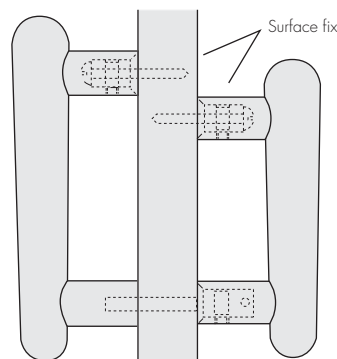
Example E



Example F



Bottom to Bottom, specify - BB



This surface fixed option can also be used when handles are required on both sides of the door, when they must be mounted independently of each other.

If the handles are a "handed" style, they must be ordered with the handing stated correctly for the handle on each side.

If there is any doubt about our required specification on handing of handles when placing an order, please supply a sketch of the plan view of the door, showing the outside, the hinge position/swing of the door, position of the handle(s) and code number(s).

Note: The options of 'Top to Top' or 'Bottom to Bottom' should be considered to obtain the preferred 'operating height' of both handles, and their position in relation to the lock.

Example and specification of an order for combination handles.

Handle Combination	Mounting	Handing (if applicable)	Finish	Quantity
522/524	TT	LH	SCPV	1 pair

#### Options for Combination Handles

1. Larger handle on outside of door, smaller handle on inside of door eg. 522/524.
2. Both handles are typically from the same suite eg. Sabre.

# Pull Handle Accessories

## Mounting of Door handles on Glass or Sliding Doors.

All Mason and chant™ handles can be mounted on wood, glass and aluminium stile doors. Additional accessories are as follows.

### Backing Washers

Available for all Mason pull handles and applications.

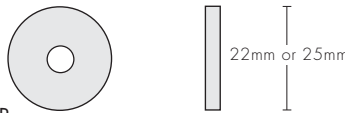
#### Type - BWA

Used to prevent handle pillars or mounting collars crushing into 'soft' timber surfaces, or as a general backing washer between handle pillars and the door surface on any installation.

Must be used on glass doors with all pull handles.

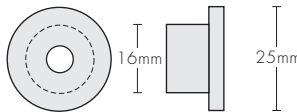
25mm washer diameter for PM01, PM10, PM11, PM12, PM21, PM31, PM32, PM41, PM42, PM51 and PM52 handles.

22mm washer diameter for PM02, PM13, PM22, PM23, PM33, PM36, PM43, PM46 handles.



#### Type - BWB

Used on 'soft' timber sliding doors. 16mm spigot provides greater bearing load in a lateral direction. Use with all chant™ and Mason handles.



To order with handles specify:

BWA or BWB/Finish required, as a suffix to the handle order specification. The finish on the washers may be different to the handles if required.

### Glass Door Mounting

All handles are suitable for mounting BACK TO BACK or SINGLY on glass doors. Hole positions on glass doors can be determined from the handle specification drawings. Particular care should be taken with any offset of mounting holes to obtain correct vertical alignment, e.g. PM01 Handle with 20mm offset. Ensure the offset is in the correct direction for left hand or right hand handles before making holes.

M8 (8mm diameter) mounting screw for Mason PM00-1200, PM00-800, PM09, PM20-1000, PM20-750, PM40 and chant™ Cobra 600-800 and 100, Cubic 660-800 and 1000, Delta 620-800, 1000 and 1200.

M6 (6mm diameter) mounting screw for Mason PM01, PM10, PM11, PM12, PM21, PM31, PM32, PM41, PM42 handles and all other chant™ handles.

M5 (5mm diameter) mounting screw for Mason PM02, PM13, PM22, PM23, PM33, PM36, PM43, PM46 handles.

Minimum hole size in glass is 12mm for M8 screws and 10mm for M6 and M5 screws.

Glass Door Kit includes: nylon washers and sleeves, and backing washers type BWA.

To specify: GDK/Finish (of BWA washers), as a suffix to the handle order specification.

### Offset Plates

Offset Plates allow Mason Pull Handles to be mounted on narrow stile doors, where there is insufficient hand clearance between the handle and the edge of the door.

Offset Plates are available for the following handles:

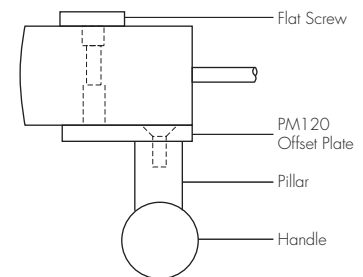
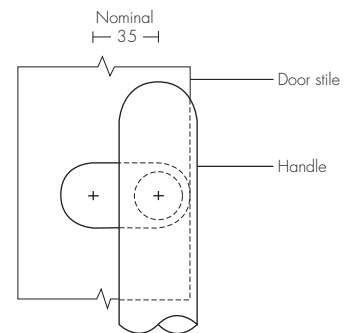
PM01, PM02

PM10, PM11, PM12, PM13

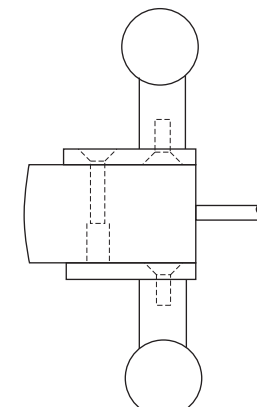
PM21, PM22, PM23

PM41, PM42, PM43

Offset Plates vary in length according to the handle style, and the offset of the handle pillars to the vertical line.



PM120, for mounting a single handle



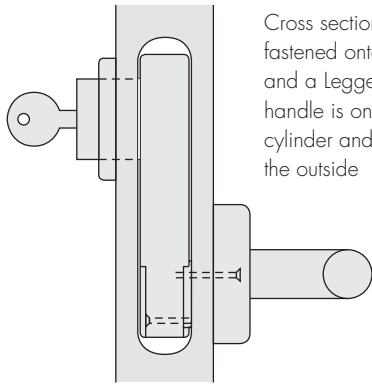
PM121, for mounting a pair of handles

To specify:

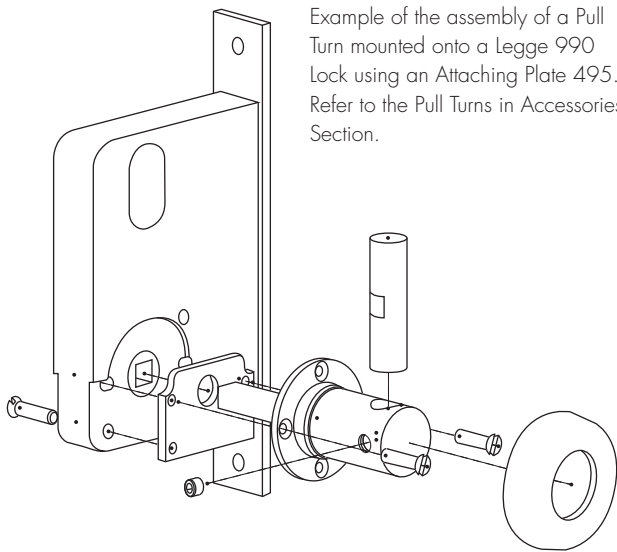
PM120/Handle style/Finish (one set of plates for mounting a single handle, one side only).

PM121/Handle style/Finish (one set of plates for mounting a pair of handles back to back).

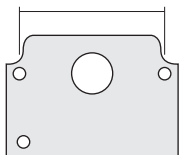
i.e. PM121/PM02/SCPV/Quantity.



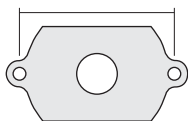
Cross section of a lever handle fastened onto the Attaching Plate and a Legge 990 Lock. The lever handle is on the inside, the lock cylinder and escutcheon is on the outside



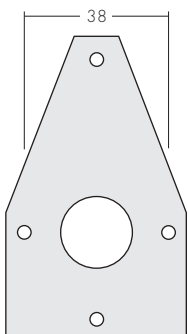
Example of the assembly of a Pull Turn mounted onto a Legge 990 Lock using an Attaching Plate 495. Refer to the Pull Turns in Accessories Section.



Attaching Plate 495-1 38mm  
495-2 39.5mm  
495-3 41mm  
for Legge 990 Series Mortise Lock



Attaching Plate 496-1 38mm centres  
496-2 39.5mm centres  
496-3 41mm centres  
for Lockwood 3500 Series Mortise Lock



Attaching Plate 497  
for SAB and similar Mortise Lock

## Attaching Plates

These Attaching Plates are used to fasten a single chant™, Mason handle or Pull Turn onto a single action mortise lock on the inside of:

- an entrance door with key entry, and a lever handle to withdraw the latch bolt to exit
- an egress door where the handle withdraws the latch

On an entrance door, this allows for the use of a chant™ or Mason pull handle on the outside of the door with a cylinder and escutcheon for key entry, and a lever handle on the inside.

This attaching plate avoids the need to use dummy roses on the outside of the door. The plate is made from 3mm or 5mm thick brass.

Plate 495 is for Legge 990 Locks.

The plate is attached to the lock body with one screw in the bottom corner. It brings the width of the lock case to a nominal 22mm wide, the width of a standard mortise for that lock. When the lock is installed, the plate is against the inside of the mortise. When the handle is fastened to the plate, the door is sandwiched between them. The fastening screws protrude into the lock case.

Plate 496 is for Lockwood 3500 Series Lock and is 3mm thick. It fits into the recess on the appropriate side of the case and is retained in the recess with double sided tape. It also brings the nominal width of the case to 22mm. It is suitable for chant™ lever handles on rose with 41mm fixing centres only.

When using this plate, the screws holding the pull turn or lever to the plate, at 38mm or 39.5mm centres, must be cut to the correct length so that the screws do not go beyond the plate, and push into the lock case.

Plate 497 is for SAB Locks.

The plate is attached to the lock body with two screws at the top and bottom of the plate. When the handle is fastened to the plate, the door is sandwiched between them. The fastening screws protrude into the lock case.

# Metric to Imperial conversions

(rounded up to the nearest 1/32)

mm	decimal inch	fraction
<b>1</b>	<b>0.04</b>	<b>1/32</b>
2	0.08	1/16
3	0.12	1/8
4	0.16	5/32
4.5	0.18	5/32
4.75	0.19	3/16
5	0.20	7/32
5.5	0.22	7/32
6	0.24	1/4
6.5	0.25	1/4
7	0.28	9/32
7.6	0.30	5/16
8	0.31	5/16
8.5	0.33	11/32
9	0.35	3/8
9.5	0.37	3/8
<b>10</b>	<b>0.39</b>	<b>13/32</b>
10.5	0.41	13/32
11	0.43	7/16
12	0.47	15/32
12.5	0.49	1/2
12.7	0.50	1/2
13	0.51	17/32
14	0.55	9/16
15	0.59	19/32
16	0.63	5/8
17	0.67	11/16
18	0.71	23/32
19	0.75	3/4
<b>20</b>	<b>0.79</b>	<b>25/32</b>
21	0.83	27/32
22	0.87	7/8
23	0.91	29/32
24	0.94	15/16
25	0.98	1
25.4	1.00	1
28	1.10	1 1/8
<b>30</b>	<b>1.18</b>	<b>1 3/16</b>
31	1.22	1 7/32
32	1.26	1 9/32
34	1.34	1 11/32
35	1.38	1 3/8
37.5	1.48	1 15/32
38	1.50	1 1/2
<b>40</b>	<b>1.57</b>	<b>1 19/32</b>
42	1.65	1 21/32
43	1.69	1 11/16
44	1.73	1 3/4
45	1.77	1 25/32
46	1.81	1 13/16
47.5	1.87	1 7/8
48.5	1.91	1 29/32
<b>50</b>	<b>1.97</b>	<b>1 31/32</b>
50.8	2.00	2
51	2.01	2

mm	decimal inch	fraction
53	2.09	2 3/32
54	2.13	2 1/8
55	2.17	2 3/16
56	2.20	2 7/32
57	2.24	2 1/4
58	2.28	2 9/32
<b>60</b>	<b>2.36</b>	<b>2 3/8</b>
62	2.44	2 7/16
63	2.48	2 1/2
63.5	2.50	2 1/2
65	2.56	2 9/16
66	2.60	2 19/32
68	2.68	2 11/16
<b>70</b>	<b>2.76</b>	<b>2 3/4</b>
72	2.83	2 27/32
74	2.91	2 29/32
75	2.95	2 31/32
76	2.99	3
78	3.07	3 3/32
<b>80</b>	<b>3.15</b>	<b>3 5/32</b>
82	3.23	3 1/4
82.5	3.25	3 1/4
85	3.35	3 11/32
87	3.43	3 7/16
89	3.50	3 1/2
<b>90</b>	<b>3.54</b>	<b>3 9/16</b>
92	3.62	3 5/8
95	3.74	3 3/4
96	3.78	3 25/32
<b>100</b>	<b>3.94</b>	<b>3 23/32</b>
105	4.13	4 5/32
<b>110</b>	<b>4.33</b>	<b>4 11/32</b>
112	4.41	4 13/32
114	4.49	4 1/2
<b>120</b>	<b>4.72</b>	<b>4 23/32</b>
125	4.92	4 15/16
127	5.00	5
128	5.04	5 1/16
132	5.20	5 7/32
135	5.31	5 5/16
<b>140</b>	<b>5.51</b>	<b>5 17/32</b>
145	5.71	5 23/32
<b>150</b>	<b>5.91</b>	<b>5 29/32</b>
152	5.98	6
153	6.02	6 1/32
154	6.06	6 1/16
155	6.10	6 1/8
156	6.14	6 5/32
159	6.26	6 9/32
<b>160</b>	<b>6.30</b>	<b>6 5/16</b>
162	6.38	6 3/8
166	6.54	6 17/32
169	6.65	6 21/32
<b>170</b>	<b>6.69</b>	<b>6 11/16</b>
174	6.85	6 27/32

mm	decimal inch	fraction
175	6.89	6 29/32
<b>180</b>	<b>7.09</b>	<b>7 3/32</b>
185	7.28	7 9/32
189	7.44	7 7/16
191	7.52	7 17/32
192	7.56	7 9/16
195	7.68	7 11/16
<b>200</b>	<b>7.87</b>	<b>7 7/8</b>
210	8.27	8 9/32
216	8.50	8 1/2
220	8.66	8 21/32
224	8.82	8 13/16
224	8.82	8 13/16
240	9.45	9 15/32
250	9.84	9 27/32
256	10.08	10 3/32
270	10.63	10 5/8
280	11.02	11 1/32
285	11.22	11 7/32
<b>300</b>	<b>11.81</b>	<b>11 13/16</b>
305	12.01	12
340	13.39	13 13/32
350	13.78	13 27/32
360	14.17	14 3/16
390	15.35	15 3/8
<b>400</b>	<b>15.75</b>	<b>15 3/4</b>
410	16.14	16 5/32
415	16.34	16 11/32
420	16.54	16 17/32
433	17.05	17 1/16
440	17.32	17 11/32
450	17.72	17 23/32
470	18.50	18 1/2
480	18.90	18 29/32
<b>500</b>	<b>19.69</b>	<b>19 11/16</b>
510	20.08	20 3/32
530	20.87	20 7/8
550	21.65	21 21/32
555	21.85	21 27/32
565	22.24	22 1/4
580	22.83	22 27/32
590	23.23	23 1/4
<b>600</b>	<b>23.62</b>	<b>23 5/8</b>
620	24.41	24 13/32
680	26.77	26 25/32
700	27.56	27 9/16
750	29.53	29 17/32
800	31.50	31 1/2
900	35.43	35 7/16
1000	39.37	39 3/8
1200	47.24	47 1/4
1500	59.05	59 1/16
2000	79.74	79 3/4
2500	98.43	98 7/16
3000	118.11	118 1/8