

A close-up photograph of two vertical, tapered bronze architectural hardware pieces. The piece on the left is a darker, matte bronze, while the one on the right is a lighter, more reflective bronze. They are set against a solid black background, which makes the metallic textures and colors stand out. The lighting is dramatic, highlighting the smooth, slightly curved surfaces of the hardware.

blacksand bronze
architectural hardware cast in bronze

The Blacksand Bronze range of door hardware is born from our family run studio that has been designing and making bronze door handles for 20 years. With a focus on cast metal, precise engineering and natural finishes our hardware is built to last. We make handles suitable for sliding doors, entrance doors, passage sets, windows, kitchens and bathrooms.

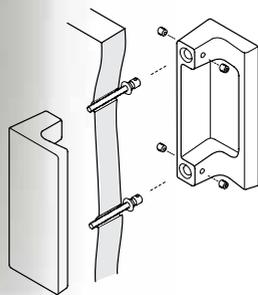
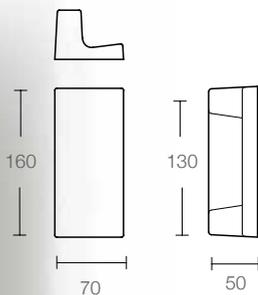
www.blacksandbronze.co

E carmen@blacksandbronze.co **M** + 64 21 834 894

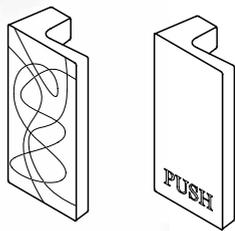
View at **Home Ideas Centre**, 165 The Strand, Parnell, Auckland

Slab Pull

Suitable for aluminum joinery minimum 30 mm back set, customized engraving available on request



Standard Back to Back Pair

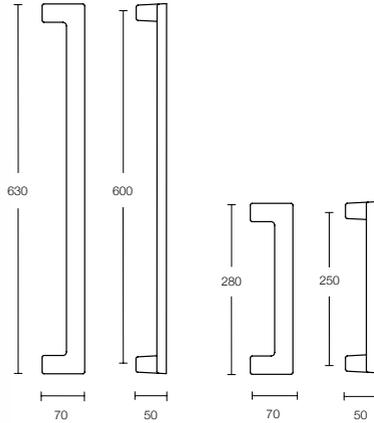


Sample engraving

Photo: Slab

Offset D Pull

Suitable for aluminum, timber and glass joinery, minimum 30 mm back set



Offset D 630

Offset D 280

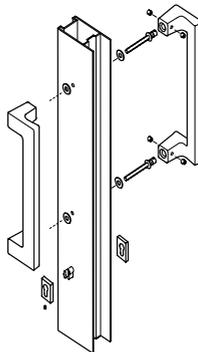
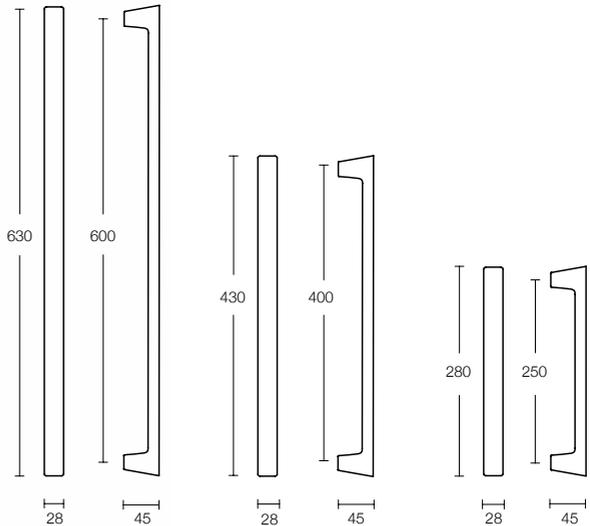


Photo: Offset D 280

Back to Back (BTB) pair on aluminum joinery with rectangular escutcheon

Straight Pull

Straight pull handles come in three different sizes, with a complimentary Slim Straight range which can be used on less prominent doors or windows and cabinetry. Recommended back set of 40mm.



Straight 630

Straight 430

Straight 280

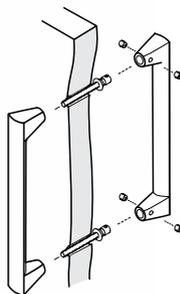
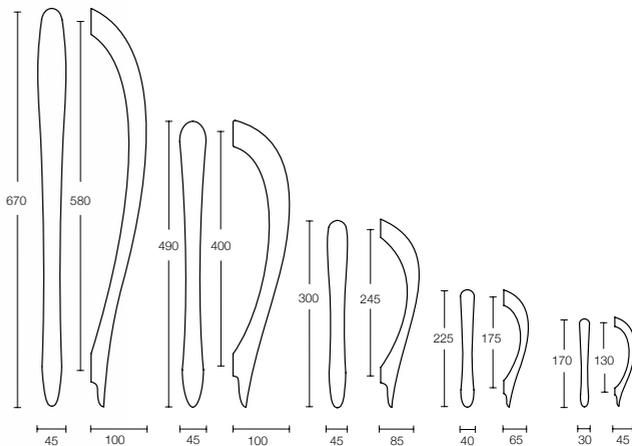


Photo: Straight 430

Back to Back (BTB) pair

Sprat Pull

Sprat pull handles come in 5 different sizes. The larger sizes are suitable for mixed sized pairs with a top to top fixing, recommended back set of 57mm.



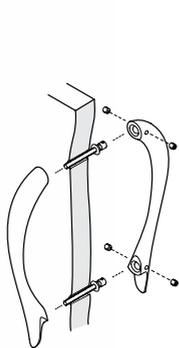
Sprat 670

Sprat 490

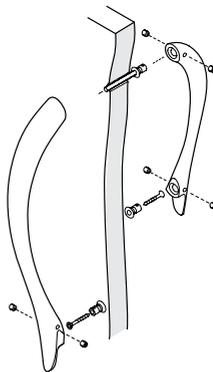
Sprat 300

Sprat 225

Sprat 170



Back to Back (BTB) pair



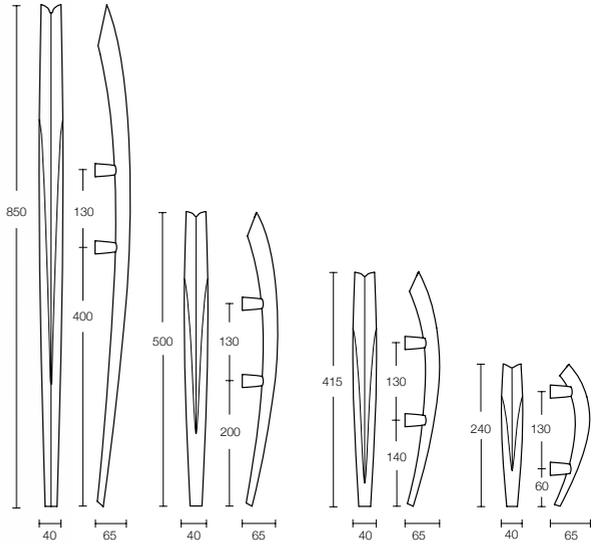
Sprat490/300 Top to Top Pair

Photo: Sprat 490



Flax Pull

Lineal design requires min back set of 57mm, for double doors we recommend a 65mm back set, if this is not possible use our offset plates. Mixed sized pairs available using standard back to back fixings, all sizes have 130mm hole centers.



Flax 850

Flax 500

Flax 415

Flax 240

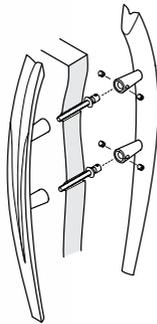


Photo: Flax 500

Back to Back (BTB) pair

Malibu Pull

Lineal design requires minimum back set of 57mm, for double doors we recommend a 65mm back set, if this is not possible use our offset plates. Mixed sized pairs available using standard back to back fixings, all sizes have 130mm hole centers.

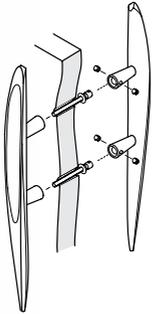
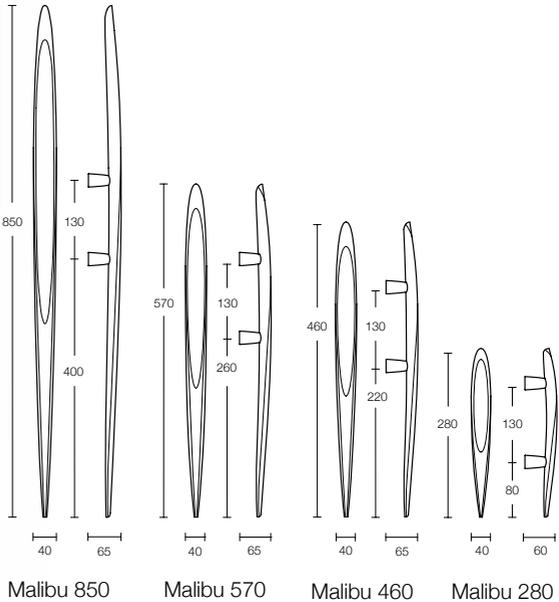
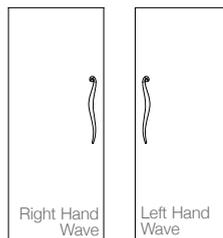
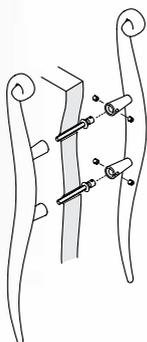
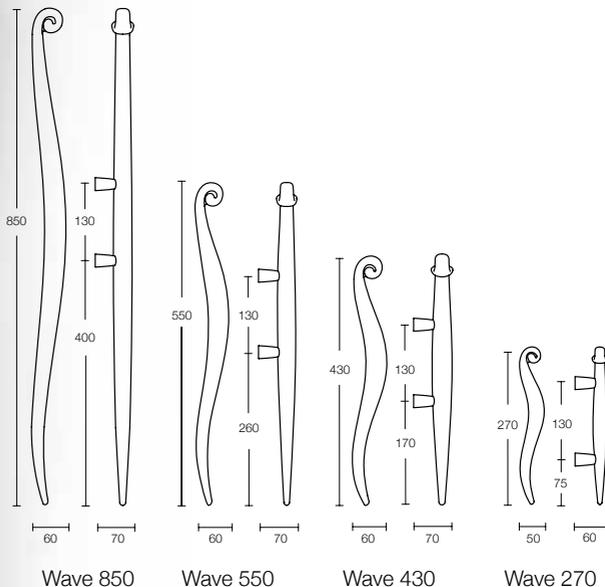


Photo: Malibu 570

Back to Back (BTB) pair

Wave Pull

Wave handles come in four sizes, mixed sized pairs are available. Wave handles are handed with the belly facing towards the hinges allowing more finger room from the door edge. Minimum back set 57mm posts are at 130mm centers.



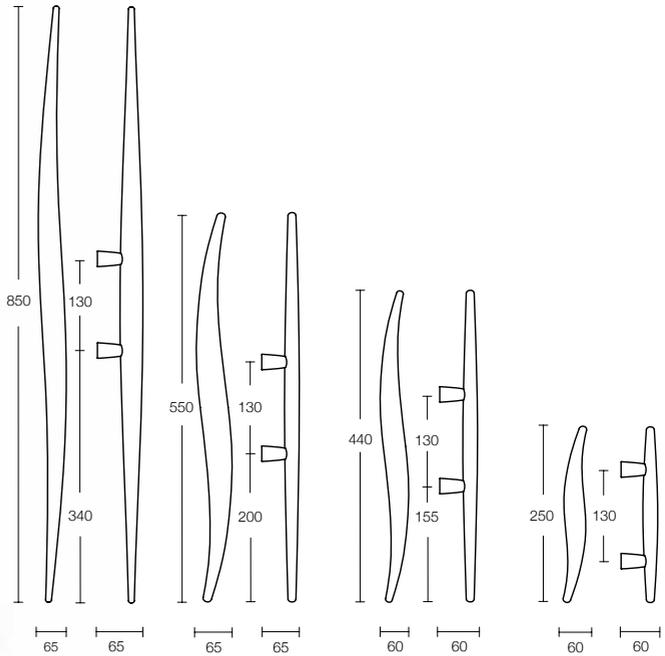
Wave handing viewed from 'outside' view

Photo: Wave 550

Back to Back (BTB) pair

Drift Pull

Drift comes in four sizes, mixed sized pairs available with some sizes, all sizes have 130mm hole centers, minimum back set 57mm



Drift 850

Drift 550

Drift 440

Drift 260

Photo: 550 Drift

Push Plates

Push plates come in two sizes, they can be face fixed or fixed from the rear with a through fixing. Rear fixed plates come with lugs at either 400, 250 and 130 centers to suit the various fixing positions of our handles. Face fixing screws are silicon bronze.

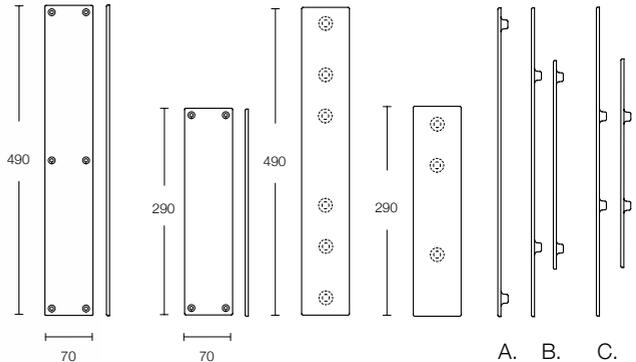


Plate 490 FF

Plate 290 FF

Push Plate 490 RF
Lugs at 400, 250 and 130 centers

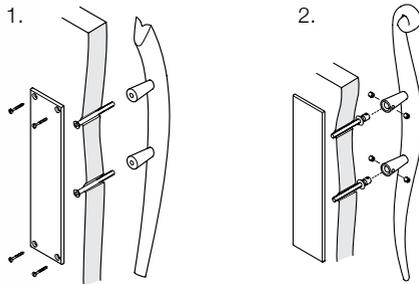


Photo: 490 Plate

1. Push Plate 290 Face Fixed

The handle is secured with a rear fixing through the door, the plate is then face fixed over the screws. This mounting option is a secure option when the Handle is on the exterior side of the door.

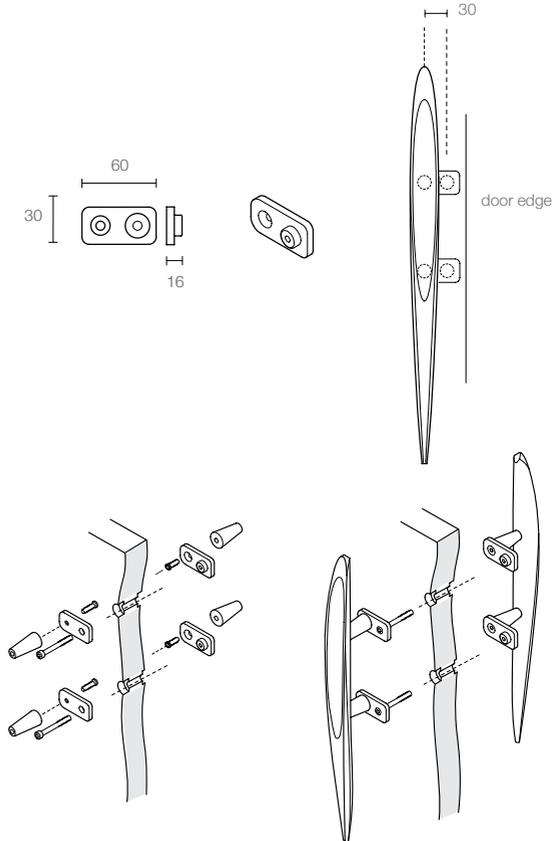
2. Push Plate 290 Rear Fixed 130 lugs

The plate is secured by a rear fixing, the pull handle uses our standard face fixings. This mounting option is a secure option when the Push Plate is on the exterior side of the door.

Offset Plates



Offset plates increase the back set of our pull handles by 30mm. Designed to be used on all of our pull handles. The handle posts are attached to the offset plates, the plates then use our standard back to back fixing method.



Posts are fixed onto offset plates, offset plates then use our standard through fixing

Photo: Flax 500 with offset plates



Straight Entrance Lever

A statement entrance lever, the large back plate can also be used with our other lever designs. Minimum back set of 57mm, suitable for 85mm euro locks, vertical fixings at 318mm, 8mm spindle

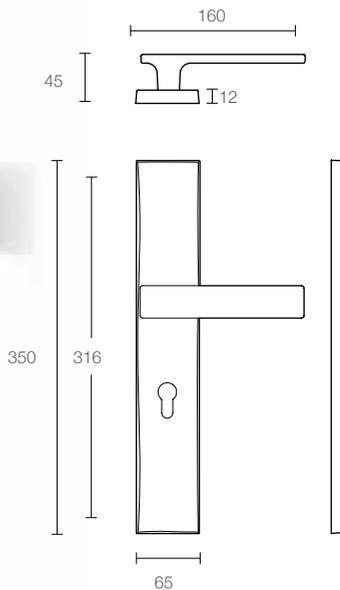
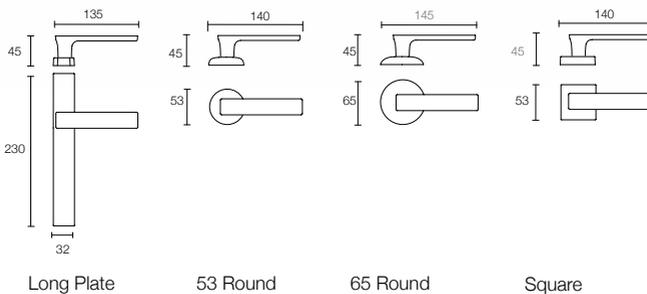
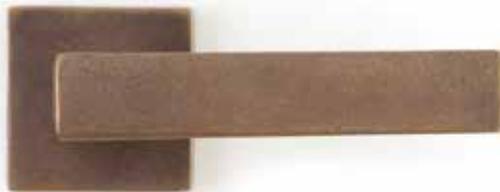
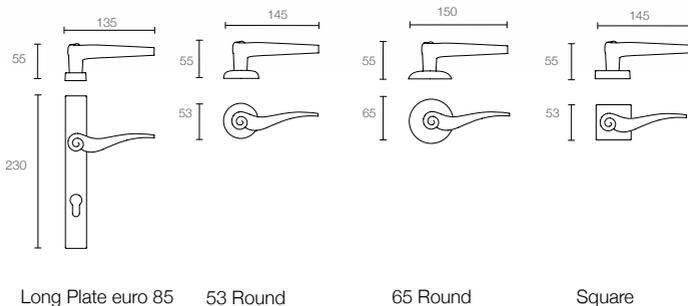


Photo: Straight Entrance Lever

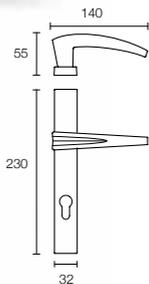
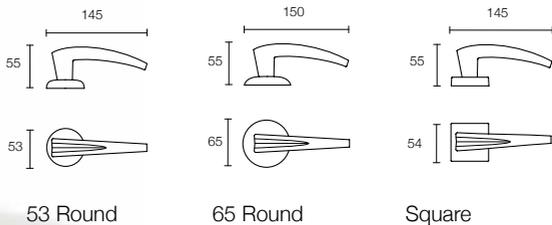
Straight Lever



Wave Lever

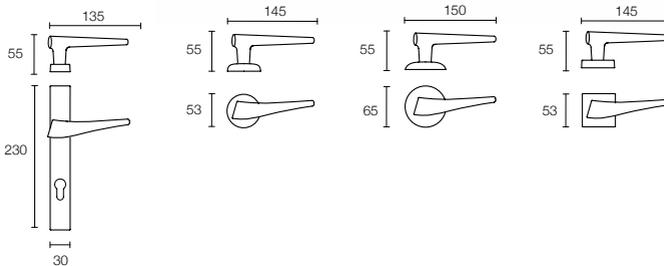


Flax Lever



Long Plate euro at 85

Drift Lever



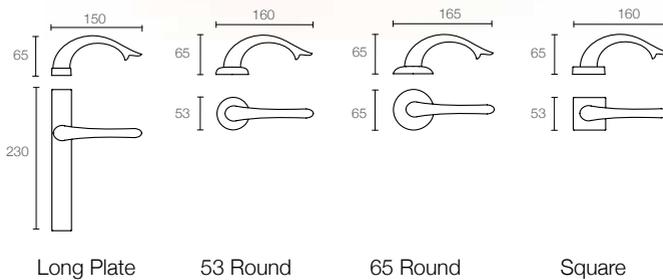
Long Plate euro 85

53 Round

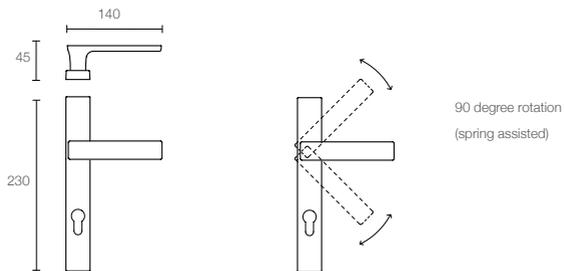
65 Round

Square

Sprat Lever



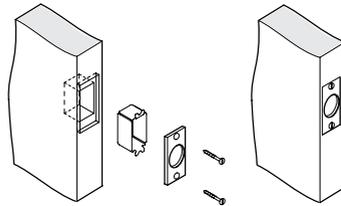
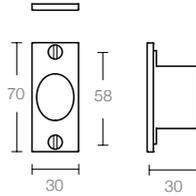
4 Point Lever Action



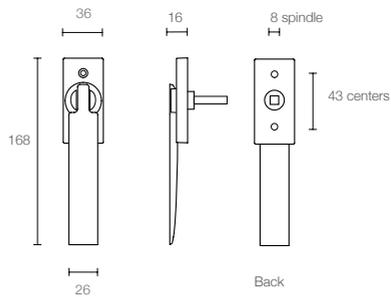
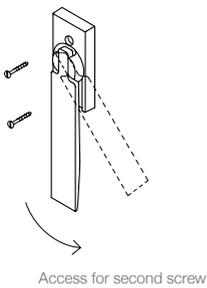
4 Point levers work with locks that throw bolts top and bottom, commonly used in aluminum joinery. This mechanism is available with all of our levers when using our long plate.

Edge Finger Pull

Edge finger pull is designed to be used in the edge of pocket doors.

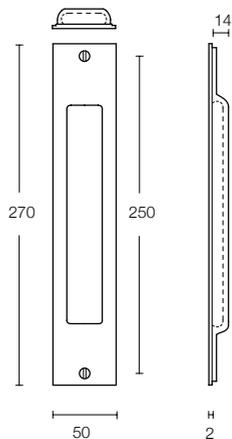


Bi Fold Lever

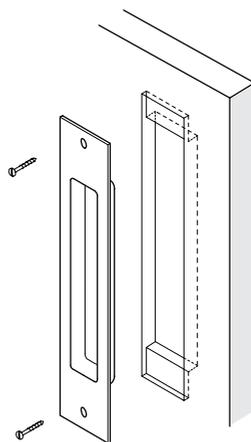


Flush Pull

Suitable for timber joinery has a deep undercut grip, overall thickness 16mm including a 2mm flange



Flush Pull 270



Flush Pull installation into timber

Photo: Flush Pull 270

Slider

Suitable for aluminum joinery, exposed fixings, deep grip, overall thickness 24mm including a 6mm flange, available in a narrow 38mm width, polycarbonate washers provided for aluminum joinery

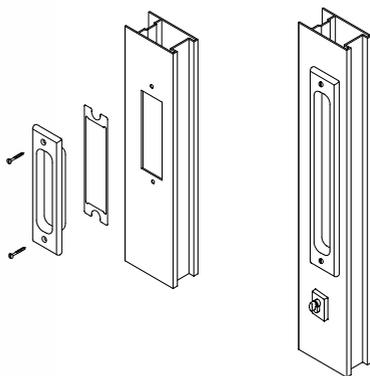
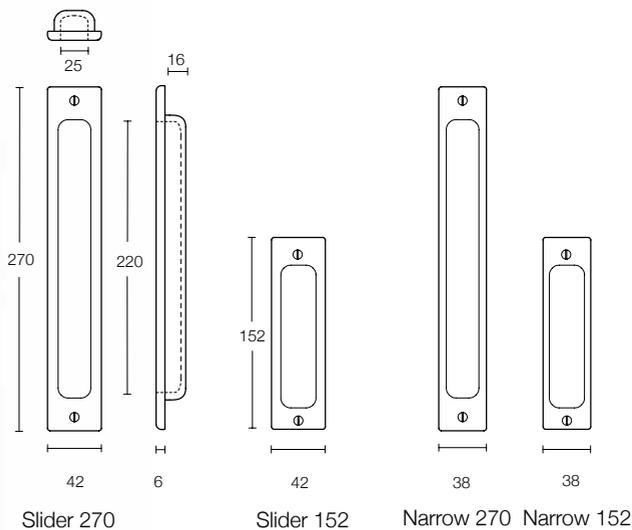


Photo: Slider 270

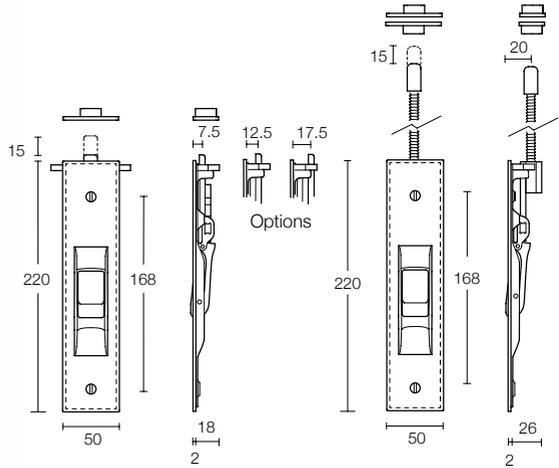
Slider 152 fixings for aluminum

Slider 270 with rectangular euro escutcheon

Flip Bolt

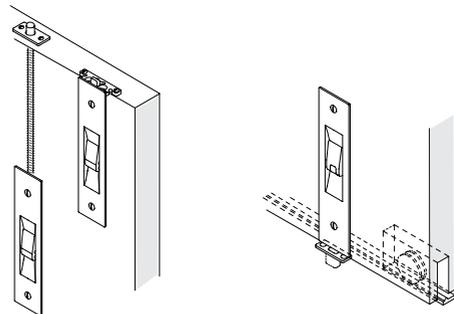


Mounted top or bottom, extension available with 20mm bolt offset, without extension bolt offsets available at 7.5,12.5,17.5 mm. Flip action provides an ergonomic grip. Offset options are measured from door edge to center of the bolt. Bolt is 5mm thick or 13mm round for the extension bolt. Weather proof strikes are available see Technical - Bolts page for options.



Flip Bolt top mount

Flip Bolt top mount with ext rod



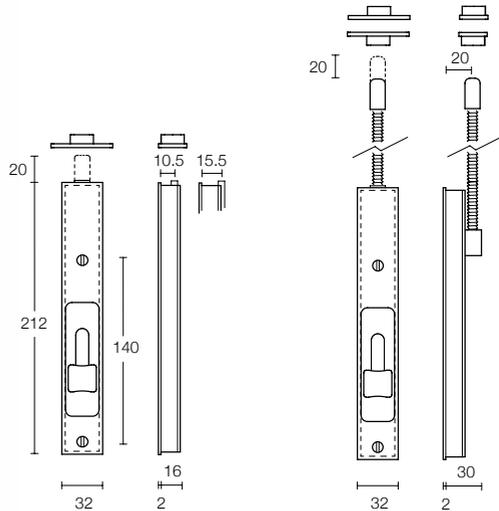
Extension rod max length 900mm

Photo: Flip Bolt

Top mount with and without extension and bottom mount bolt with sliding door runner

Slide Bolt

Mounted face or edge, top or bottom, extension available with 20mm bolt offset, non extended bolts can have an offset at 10.5, 15.5 or 20mm. Offset options are measured from door edge to center of bolt. Bolt is 5mm thick or 13mm round for the extended bolts. See Technical - Bolts page for more info



Slide Bolt top mount

Slide Bolt top mount extended

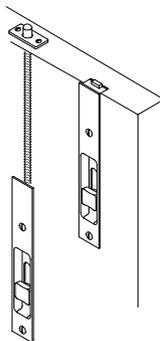


Photo: Slide Bolt

Top mount bolts, extended and standard mounting
Extension rod max length 900mm

Window Catch

Our window catch may be used when the jam and sill are flush, or when they are perpendicular. It is compatible with weather seals and aluminum joinery. Different strikes are available. Catches can be mounted vertically or horizontally. Custom strikes available on request.

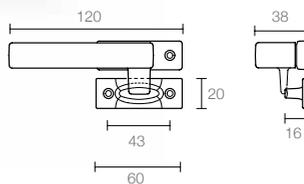
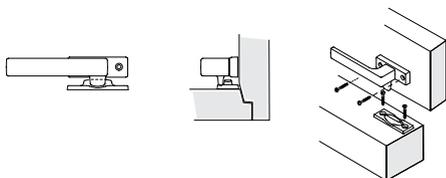
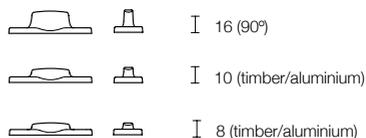


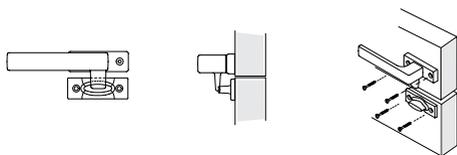
Photo: Window catch, flush mounted



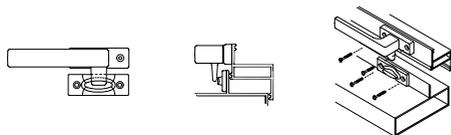
Perpendicular mounting on timber joinery



Strike Options



Flush mount with 16mm strike mounted on timber joinery



Used on aluminum joinery with an 8mm strike for weather seal

Escutcheons Turns and Emergencies - 9mm

Escutcheons sit over the cylinder turn they are secured by a grub screw.
 Turns and emergencies can be supplied with a 8 or 5mm square spindle or flat bar, depending on lock type. They can be ordered as BTB sets or as FF singles. Rectangular turns and emergencies only come as face fixed due to their narrow size.



Photos: Round Turn FF

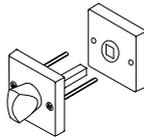
Round Euro

Rectangular Turn FF

Square Euro



Escutcheon sitting over cylinder turn



BTB turn with 8 mm spindle

Rectangular 50 x 30 x 9



Oval



Euro



Turn



Emergency



5 Key



Square 50 x 50 x 9



Oval



Euro



Turn



Emergency



5 Key



Round 50 x 50 x 9



Oval



Euro



Turn



Emergency



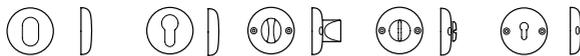
5 Key



Rose Euros, Turns and Emergencies

Rose euros, turns and emergencies are 12mm thick, they are a good choice when using with our lever handles. Turns and emergencies are available with either 8 or 5mm spindles or flat bars. They can be ordered as BTB sets or as FF singles. Rectangular turns and emergencies only come as face fixed due to their narrow size.

Round 53 53 x 53 x 12mm



Oval Euro Turn Emergency 5 Key

Square 54 x 54 x 12mm

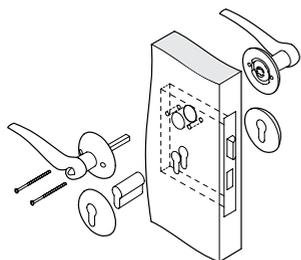


Oval Euro Turn Emergency 5 Key

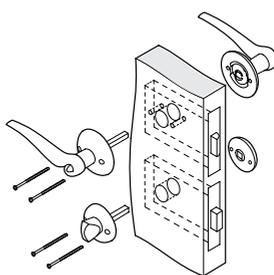
Round 65 65 x 65 x 12mm



Oval Euro Turn Emergency 5 Key



Lever with round 65 euro escutcheons with key cylinder



Lever on round rose with tubular latch and round 65 privacy set with privacy bolt

Cabinet - Straight Slim

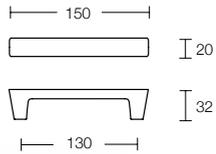
Straight slim handles are designed as cabinet handles, they can also be used with a back to back fixing on doors and face fixed on sliding windows.



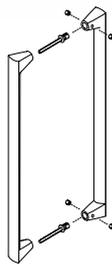
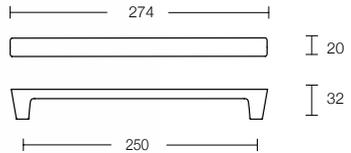
Straight Knob



Straight 160 Slim



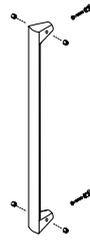
Straight 280 Slim



BTB Fixing



Rear Fixed



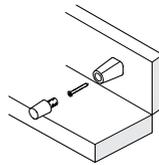
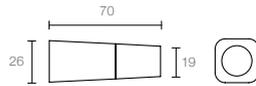
Face Fixed

Door Stops

Door stops can either be wall or floor mounted. They are designed for simple installation.



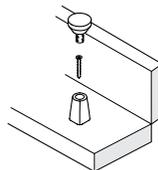
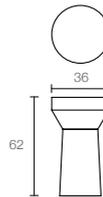
Photo: Wall Mounted Door stop



Wall mounted installation



Photo: Floor Mounted Door stop



Floor mounted installation

Technical - Lever Handles

Solid bronze with stainless steel and bronze fixings

Spindle size 8 mm

Roses have horizontal fixings at 40.5 mm (vertical fixings can be supplied on request)

Minimum back set for roses 57 mm

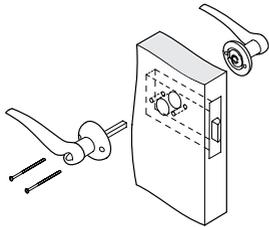
Minimum back set for long plates 30 mm

Long plates can be ordered with a 4 Action Lock mechanism

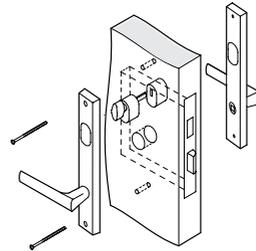
Fixings on long plates are at 214 mm

All roses and long plates are 12 mm thick

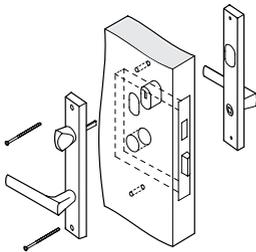
Long Plates are available as passage sets or machined with cylinder holes, integrated turns are available with some locks



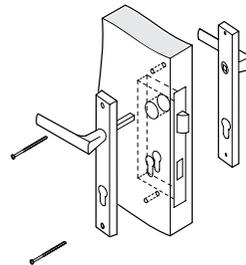
Lever on round rose with mortice latch, used as a passage set



Lever on long plate with oval lock



Lever on long plate with integrated turn, using an oval lock



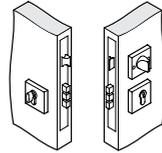
Lever on long plate with euro mortice lock

Technical - Pull Handle Common Lock Options

Uni Lock Set Up with Turn / Key Cylinder

A single face fix turn on the outside operates the latch (prevents being locked out)
Cylinder Turn operates the bolt and latch from the inside. Not recommend with a key/
key cylinder as this creates too much pressure on the key to retrieve the latch.

- 1 x BTB pair of BSB pull Handles
- 1 x BSB Turn / FF / square spindle
- 2 x BSB Escutcheons
- 1 x Commercial Cylinder
- 1 x Euro Mortise Lock

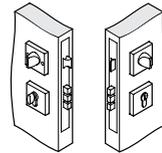


Inside Outside

Double Turn with Turn / Key Cylinder

Turns operate the latch from inside and outside
Cylinder Turn operates the bolt
When door is unlocked use the turn as entry from outside

- 1 x BTB pair of BSB pull Handles
- 2 x BSB Turns BTB with square spindle
- 2 x BSB Escutcheons
- 1 x Commercial Cylinder / turn / key
- 1 x Euro Mortice lock

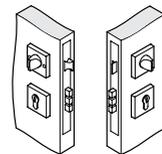


Inside Outside

Double Turn with Key / Key Cylinder

Same as above but unlocked from both inside and outside with key

- 1 x BTB pair of BSB pull Handles
- 2 x BSB Turns back to back with square spindle
- 2 x BSB Euro Escutcheons
- 1 x Commercial Cylinder key/key
- 1 x Euro Mortice Lock



Inside Outside

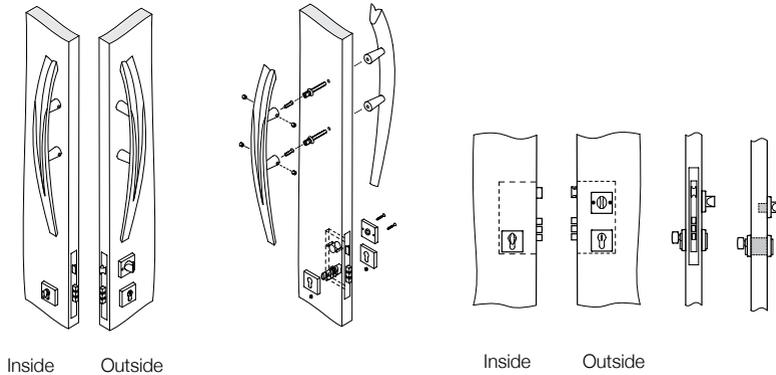
Roller Catch Mortice lock

A Roller Catch holds the door in a closed position when unlocked. Simple function, however not recommended in windy situations.

Night Latch

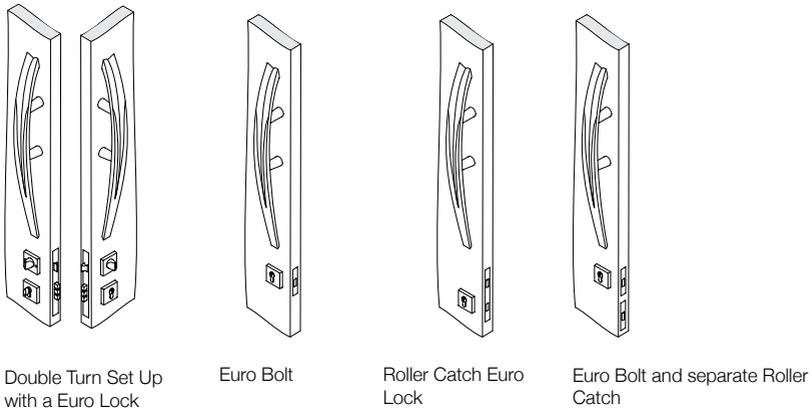
Simple solution, down side the door is always in a locked position, possible to lock yourself out

Uni Turn Set up



When installing note the top hole is for a half spindle, drill only half way through the door on the outside side, cut spindle down to suit door thickness

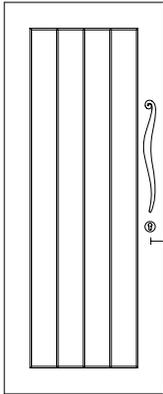
Other Options



Notes: When ordering a lock it is also important to know whether your door requires a rebate strike kit, if the door is in an aluminum frame the strike will need a packer. To work out required length of the cylinder add the width of the door + the width of the escutcheons. Cylinders come in set lengths so it is common to have a few millimeters protruding from the escutcheon. It is better to have the cylinder too long than too short. If the cylinder is too short you wont be able to operate the turn. Our escutcheons are 9mm and Rose escutcheons are 12mm thick.

Technical - Pull Handle Position on Door

The position of your door handle is a mixture of personal preference and the practical constraints of the door style, lock and required function.



Some common measurements to consider are;

a) Floor to Handle Center

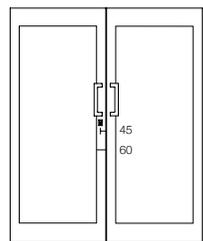
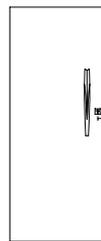
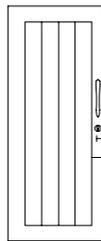
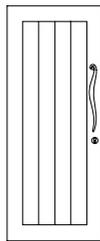
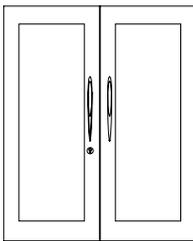
The height to the functional center of the handle, or to the middle of the fixing posts from the floor, generally this is about 1200mm

b) Lock Height

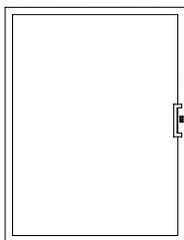
This is generally to the center of the key location for a euro or cylinder lock. Common heights are 900 - 1000mm from the floor.

c) Lock Back Set

This is the centerline of the key or spindle and is taken from the edge of the door, different back sets are available to account for stile size and rebate



Examples of different options depending on door style and construction

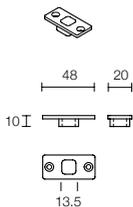


Narrow stile sliding doors with offset D Pull.

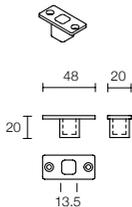
Locks can sometimes be placed in the middle of the handle, check lock case size first to ensure it doesn't interfere with fixing screws.

Technical - Bolts and Strikes

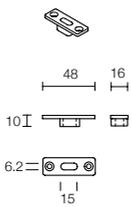
Standard



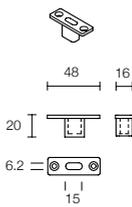
Standard WP



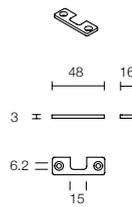
Narrow



Narrow WP

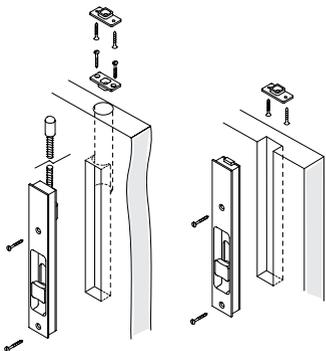


Open flat

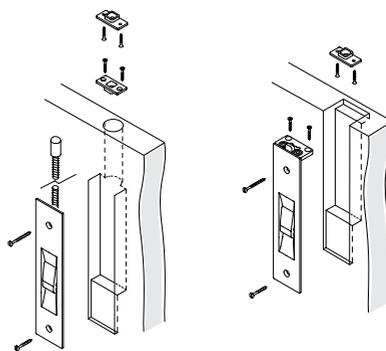


Waterproof strikes are an option for bottom mounted bolts, specify when ordering

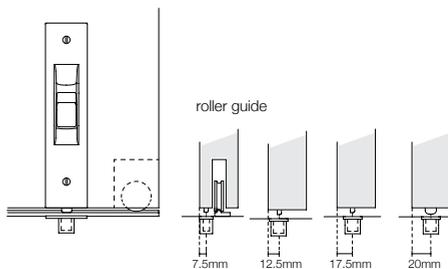
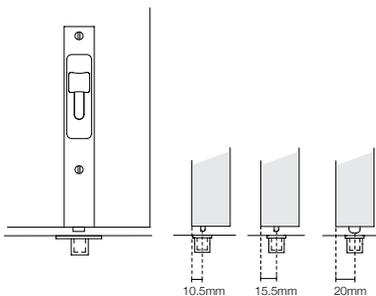
* WP Waterproof



Installation top mount Slide Bolt with and without extension



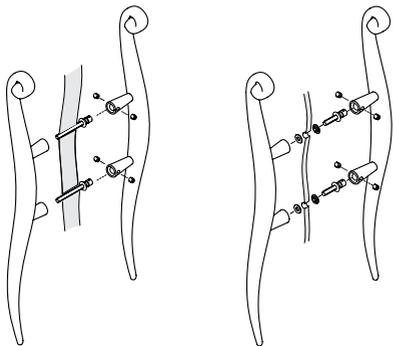
Installation top mount Flip Bolt with and without extension



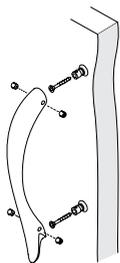
Offset options are measured from the door edge to the center of bolt

Technical - Pull Handle Fixings

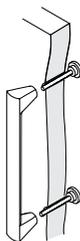
Fixings



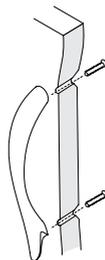
Pull handles as a standard come as a Back to Back Pair. We use a through fixing that is tightened up by grub screws on the internal handle. For glass doors a glass fixing kit is provided. The washer supplied will accommodate either a 10 or 12mm hole. Specify glass doors when ordering.



Face fixing

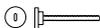


Bronze T nut rear fixing



Rear fixing with exposed or counter sunk screws

Single handles can be either face or rear fixed. However we only recommended face fixing for our smaller, lighter handles.



Notes

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