

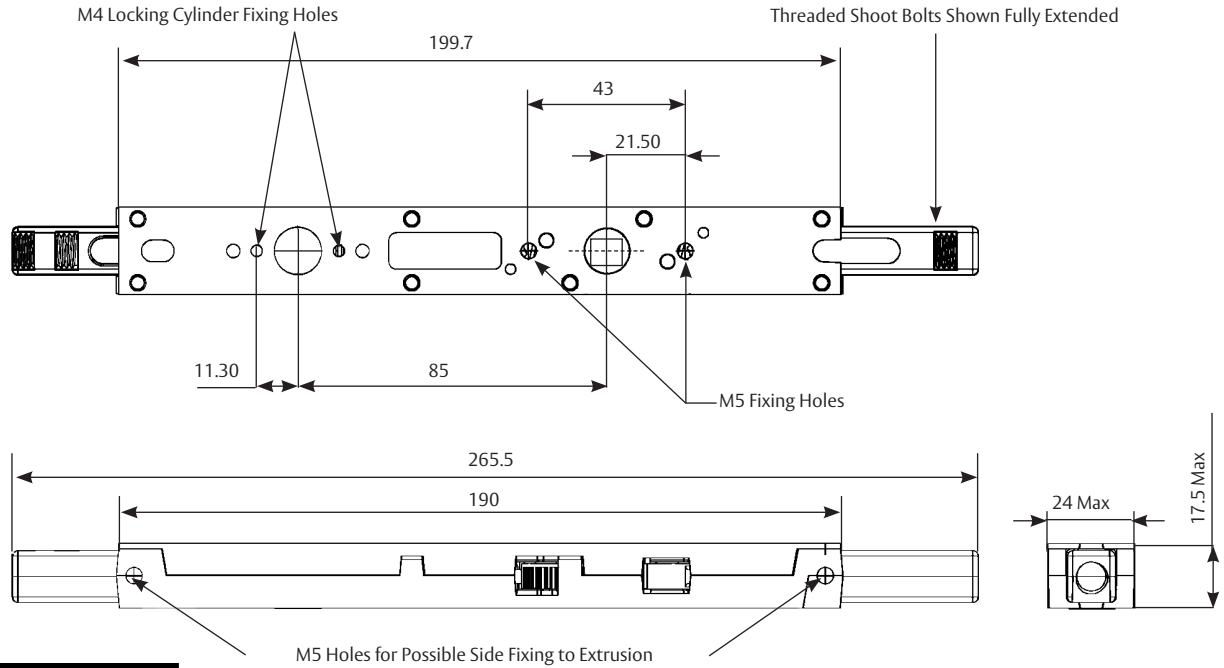
TWIN BOLT LOCK - FRENCH DOORS WITH LEVER FURNITURE

INSTALLATION INSTRUCTIONS FOR P84219, P84241 & PL30422##

Replace ## with: 27 = Aria 28 = Hakea 29 = Acacia 34 = Saltbush L1 = Summit L2 = Spire

Twin Bolt Lock Overall Dimensions:

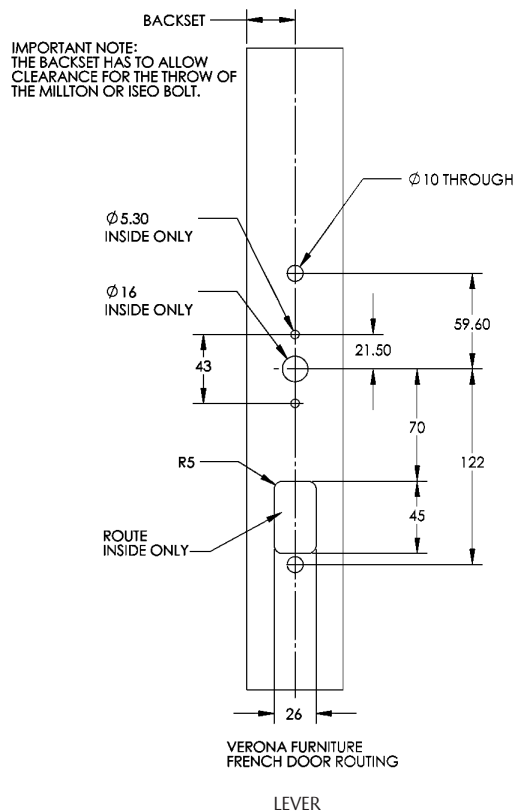
Figure 1. Twin Bolt Lock Dimensions



Routing Details:

Routing required for use with Lever Furniture

Figure 2. Face Routing for Lever Furniture



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Assembly Details:

For assembly through the end of the extrusion:

1. Cut the rod to length allowing for a lock throw of 13mm

Note: Allowance must also be made for the clearance between the door and frame, the D-tip length of 44mm and the multi point rod threaded 14mm into the lock.

2. Press the D-tips onto the end of the multi point rod making sure the hardened steel pin is inside the D-tip. Crimp the rods onto the D-tip to ensure a solid fit (a crimping tool – P84042 – is available for this task).

3. Screw the rods to the lock, tightening the lock nuts against the throw bolts (see warning on page 3).

4. Select the packers, interior and exterior, to be used and clip these onto the lock body. See the screw and packer selection guide on page 4.

5. Mount the lock assembly onto the door stile checking lock function, D-tip protrusion and D-tip orientation. Fix the lock to the extrusion using the M5 fixing screws (see the screw and packer selection guide on page 4).

Note: The square drive bar of the handle must protrude through the entire lock for adequate performance.

6. For Locking Version: Screw the Cyl 4 lock housing onto the lock body using the M4 fixing screw (see the screw and packer selection guide on page 4). Assemble the lock barrel and housing cover using the retainer wafer of the lock to hold the assembly together.

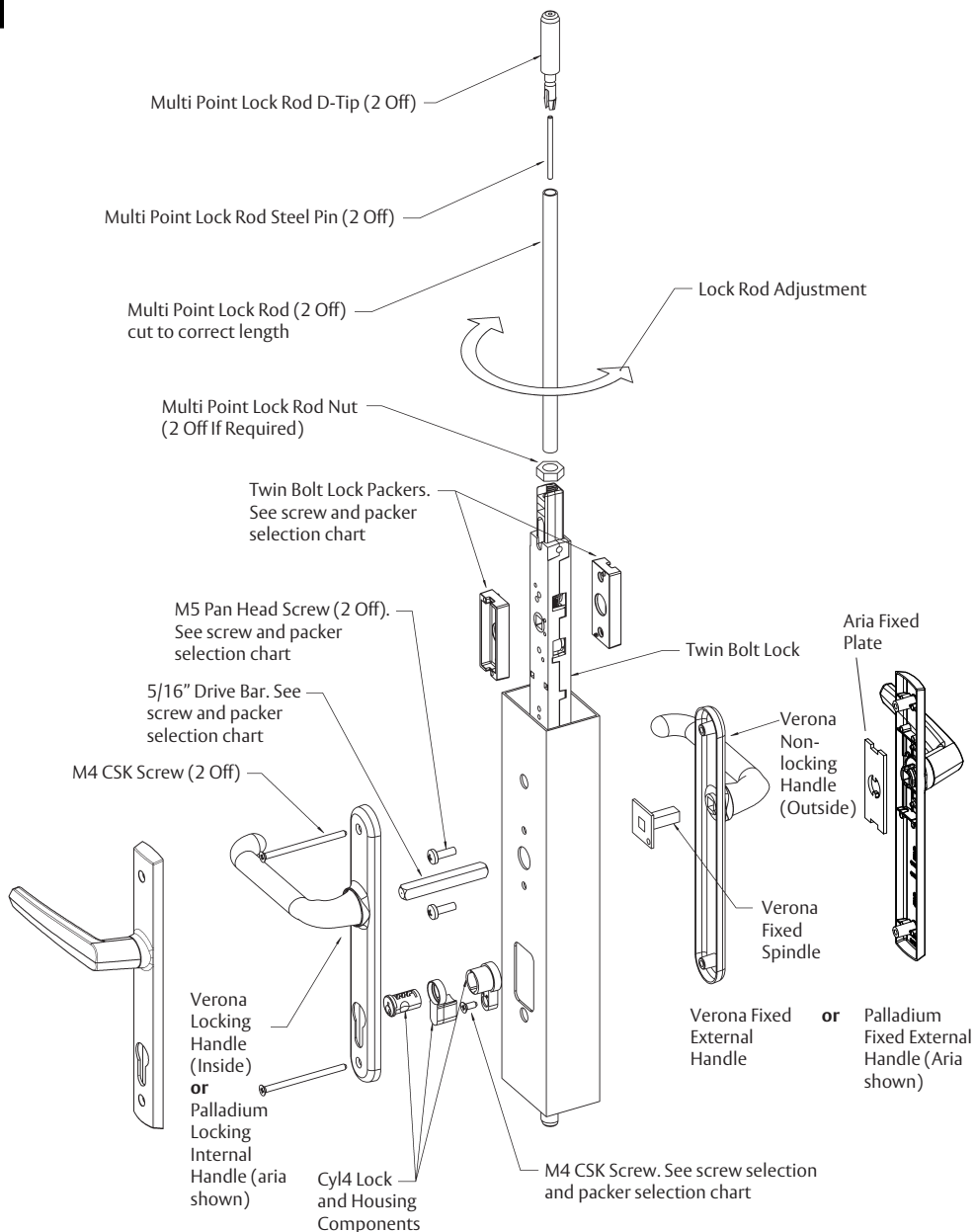


Figure 3. Lock Assembly

Important Notes:

- The cylinder has to be installed with the key inserted. Once the cylinder is in place, the key can be withdrawn, while at the same time preventing the cylinder from backing out. This allows the retaining wafer to pop up and hold the cylinder in place. Removal of the key prior to assembly will result in the detachment of the wafers from the cylinder.
- The cylinder should not be used externally.

7. For Verona Furniture Only: Depending on handing, select the appropriate plastic detent spring from the kit (073974) and install into the internal Verona handle, as shown in figure 4.

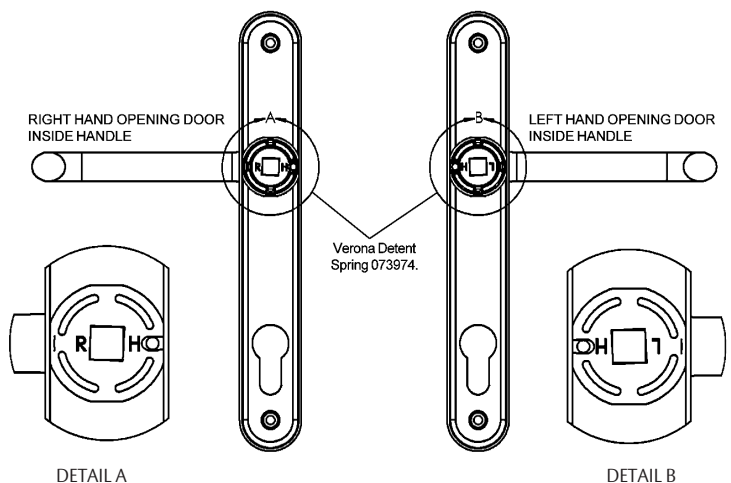


Figure 4. Verona plastic detent spring orientation diagram

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Assembly Details continued:

Note on Rods: The vertical locking rods supplied cater for a maximum door height of 2300mm. For taller applications a multi-point extension kit is available which caters for a maximum door height of 3300mm, the part number for the multi-point kit is P84017, one kit required per twin bolt lock body.

Warning:

When tightening the lock nut use a spanner to support the lock bolt. This will prevent any damage to the lock. See figure 5.

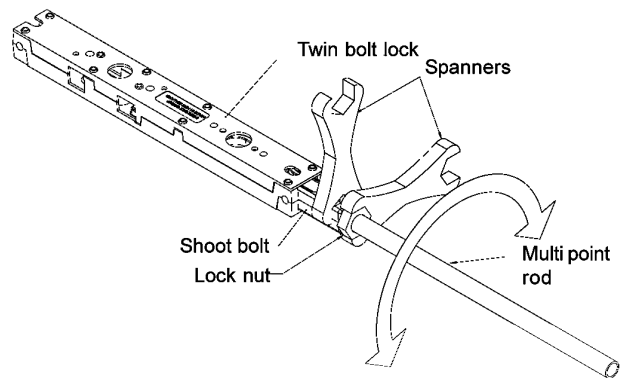


Figure 5. Rod tightening diagram

Screw Length Formula:

The length of the M5 fixing screws is critical to the performance of the lock.

If the screw is too short the lock will not be held correctly.
If the screw is too long the lock may bind and not operate.

Screw Length = $X + P + (4.5 \pm 0.5)$ mm. Refer figure 6.

Note: Refer to table on page 4 for correct packer and screw combinations.

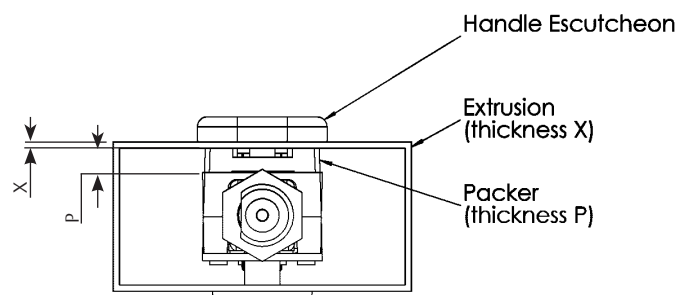


Figure 6. Screw length formula

Cylinder Packing:

In the situation where the lock is assembled into composite wood and aluminium sections, the locking cylinder assembly will require packing to ensure it sits proud of the door, see figure 7.

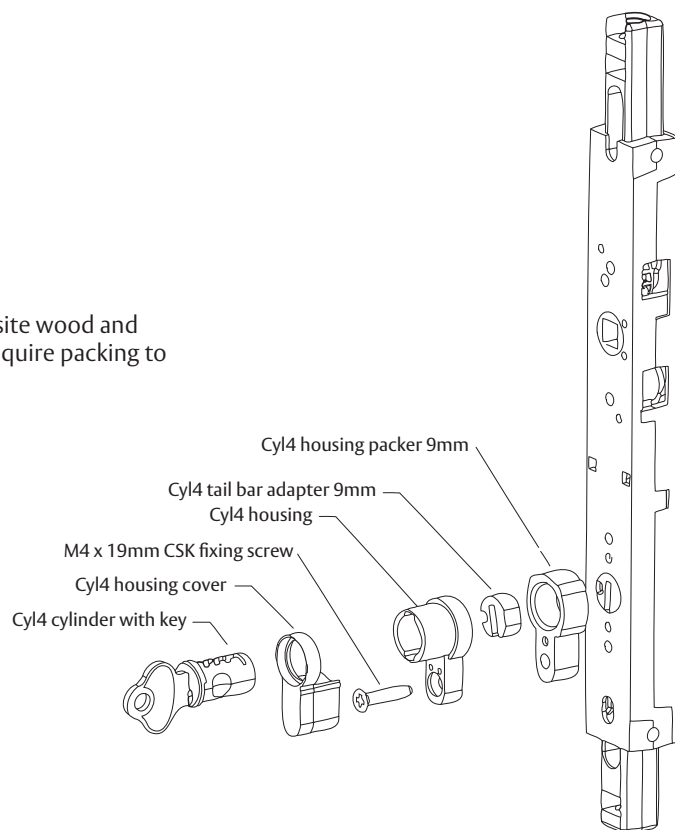


Figure 7. Packing system for locking cylinder on composite suites only

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Screw and Packer Selection Guide:

This guide shows the M5 pan head screws required for fixing the lock, the M4 CSK screws for fixing the locking cylinder (if locking version), the screws for fixing the furniture, the packers and the drive bars that should be used in each situation. Note: The screws and packers required for the composite sections are available under a separate part number - P84221.

Sections	Non Locking	Locking
Aluminium Sections 37 - 41mm internal extrusion width	<ul style="list-style-type: none"> • M5 x 15.5mm screws • 9.5mm packer interior side of lock • 9.5mm -12.5mm packer exterior side of lock • Square drive bar • M4 x 49mm CSK dome head furniture screws 	<ul style="list-style-type: none"> • M5 x 15.5mm screws • 9.5mm packer interior side of lock • 9.5mm -12.5mm packer exterior side of lock • Square drive bar • M4 x 10mm CSK screw • M4 x 49mm CSK dome head furniture screws
Aluminium Sections 34 - 37mm internal extrusion width	<ul style="list-style-type: none"> • M5 x 15.5mm screws • 9.5mm packer interior side of lock • 6.25mm - 9.5mm packer exterior side of lock • Square drive bar • M4 x 49mm CSK dome head furniture screws 	<ul style="list-style-type: none"> • M5 x 15.5mm screws • 9.5mm packer interior side of lock • 6.25mm - 9.5mm packer exterior side of lock • Square drive bar • M4 x 10mm CSK screw • M4 x 49mm CSK dome head furniture screws
Aluminium Sections 32 - 34mm internal extrusion width (Australia only)	<ul style="list-style-type: none"> • M5 x 12mm screws • 6.25mm packer interior side of lock • 6.25mm - 9.5mm packer exterior side of lock • Square drive bar • M4 x 49mm CSK dome head furniture screws 	<ul style="list-style-type: none"> • M5 x 12mm screws • 6.25mm packer interior side of lock • 6.25mm - 9.5mm packer exterior side of lock • Square drive bar • M4 x 10mm CSK screw • M4 x 49mm CSK dome head furniture screws
Composite Sections (17mm thickness of wood plus aluminium) Composite Packer and Screw Kit must be ordered separately under kit number P84221	<ul style="list-style-type: none"> • M5 x 23.5mm screws • 3.6mm packer interior side of lock • 12.5mm packer exterior side of lock • 83mm x 5/16" black drive bar (for use with Verona furniture only) NB: For Palladium furniture, use standard 64mm drive bar supplied with furniture kit • M4 x 65mm CSK dome head furniture screws 	<ul style="list-style-type: none"> • M5 x 23.5mm screws • 3.6mm packer interior side of lock • 12.5mm packer exterior side of lock • 83mm x 5/16" black drive bar (for use with Verona furniture only) NB: For Palladium furniture, use standard 64mm drive bar supplied with furniture kit • M4 x 19mm CSK screw • 9mm cylinder packer and adapter • M4 x 65mm CSK dome head furniture screws

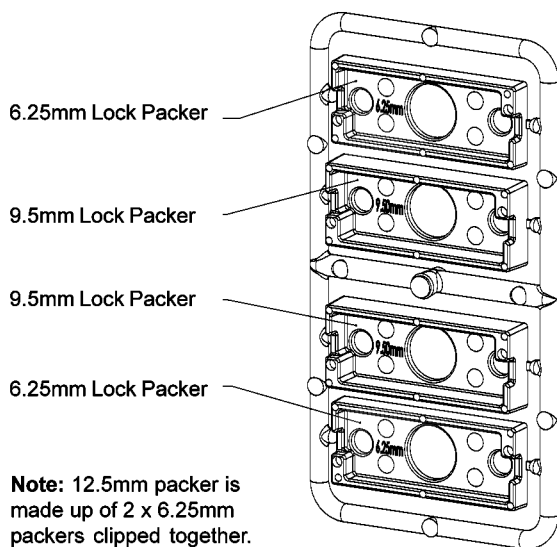


Figure 8. Standard packer set as supplied in kits.

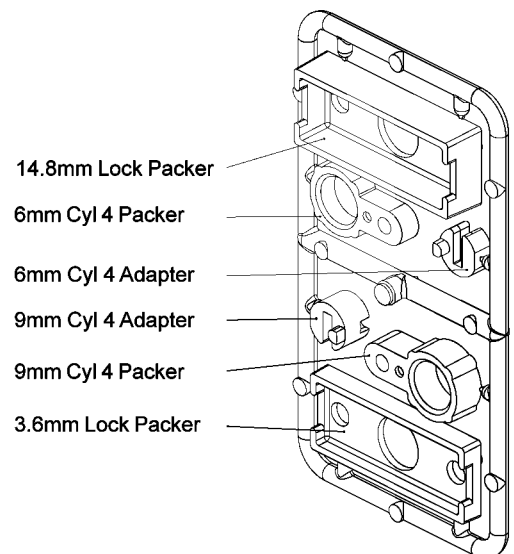


Figure 9. Packer set in P84221 Composite Packer and Screw kits.