

Laurens Ladder

Packing List

1	x	Laurens Ladder Left Hand Section complete with 4 joining/adjusting pieces
1	x	Laurens Ladder Right Hand Section complete with 2 joining/adjusting pieces
2	x	Laurens Ladder Support Brackets
2	x	Laurens Ladder Clamp Blocks
2	x	Large Star Knob Screws for Support Clamp Block (M8 x 25)
6	x	Small Star Knob Screws – Short (M6 x 15) for joining Ladder Sections & attaching Support Brackets
4	x	Small Star Knob Screws – Long (M6 x 30) for end adjustment
1	x	Lower Support Bracket
1	x	4mm T Key for Socket Button Screw
1	x	4mm Hexagon Key

Overview:

Laurens Ladder can be used as a single ladder for narrow soldier courses on windows and doors, or as a double ladder for larger window or garage door openings. Laurens Ladder can be extended infinitely for long band courses.

Instructions:

The Support Brackets should be attached to Laurens Ladder as near to the start and end of the soldier course to give maximum support. Select the appropriate support bracket mounting position then remove 2 of the vertical pillar support screws and attach the bracket using the Small Star Knobs Screws provided. The Clamp Block attaches to the Support Bracket using the Large Star Knob Screw and is then used to clamp Laurens Ladder securely to the facia brickwork. If access permits, a quick grip clamp can be used to clamp the lower bar of Laurens Ladder to the facia brickwork. Laurens Ladder can be used on a timber framed structure by moving the clamp block to the upper face of the support bracket which can then be screwed to the timber frame. In this application adjustment for cavity width is completed by using the appropriate ladder mounting positions on the support brackets.

In the case of a Band Course the Clamping Brackets will normally be attached to the far end of each ladder section. It is advisable in this instance to fit the lower support bracket to counter any deflection. If you do not have enough ladder sections to cover the complete band course, you can either build three "dead man soldiers" on the day before using Laurens Ladder or erect a temporary support pier to support the clamping bracket.

NB The T key provided has a long and short blade, final tightening and initial loosening should be completed with the short blade. Please do remember that Laurens Ladder is manufactured from aluminium components and excessive force when tightening will damage the screw threads.

The 4 long versions of the Small Star Knob Screws are used at each end of Laurens Ladder to compensate for existing out of plumb brickwork by tilting the ladder face.

Once fitted to the facia brickwork, the gauge of the soldier course to be completed is clearly shown, allowing for any adjustments to be planned in advance, and completed gradually as the course is completed. Each brick is laid behind Laurens Ladder using the top bar as a level and the vertical bar as a mortar joint gauge. The bricks are held securely in place, even allowing a pause in working – simply lean a clean brick against the last brick laid to apply sufficient lateral tension.



Ladder sections easily connected



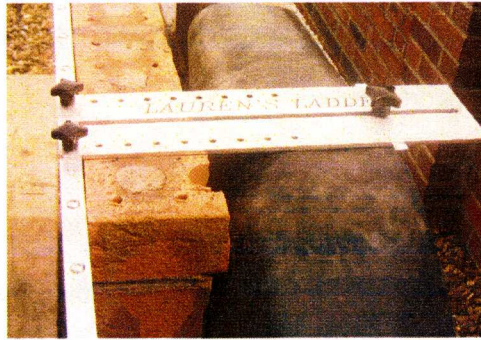
Securing ladder sections



Clamps adjustable for cavity width



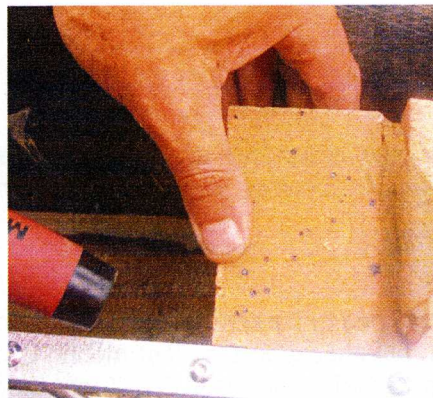
Gauge set by aligning rung



Two clamps secure Laurens Ladder



Adjuster screws allow the face of Laurens Ladder to be tilted



Top and bottom bars hold each brick in place.



Each brick is laid behind Laurens Ladder using the top bar as a level and the vertical bar as a mortar joint gauge

Manufactured and distributed by:

BBP

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