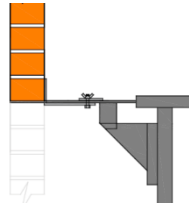




ECCENTRIC PROP PRO-TECTOR

Eliminating the systematic problems when using the tongued prop attachment, by reinforcing the bendable tongue and providing a superior factor of safety, X 4.



SIMPLY SAFER TO USE

To increase the variable working load, Slide the **Pro-Tector** over the tongue of the original sized tongued prop attachment until stopping against the weld of the web, centralise on the tongue and hand tighten both wing nuts.

With

Without



The main cause of collapse is overloading equipment due to the working load being variable. When using the last 100mm of the tongue, it bends from a load of 50kg and will only support the front edge of the masonry which causes further instability.

BENEFITS

The **Pro-Tector** ensures secure contact with the face & underside of the wall for increased prop & wall stability and prevents the tongue from bending.

Increases the variable working load & prolongs the working life of an attachment.

Reduces the risk of overloading (Acrow prop guidance is also provided).

The missing factor of safety X 4 when eccentrically propping.

Designed to fit onto a variety of different brands of attachment.

Identifying and also resolving the systematic problems of propping eccentrically.

As all propping methods rely on the unknown lateral strength of the structure to work correctly, also use the Brick Brace on lime mortar masonry and when suitable.

www.brickbrace.com



GUIDANCE

As every task of altering masonry is different, each opening should be planned upon its own merit and carried out safely by using the most suitable variety/combination of temporary masonry support equipment, of which stabilises and supports all of the masonry (to avoid injury from falling debris) and to provide sufficient fitting access without dangerously overloading the equipment from the weight of the structure.

Do not comment on a project until knowing all of the information required to discuss and to plan correctly within accordance of the specific task.

When fitting a permanent support within an existing cavity or solid wall, it's not possible to plan a task correctly or to choose the most suitable variety of equipment without knowing:

- 1, The materials, mortar mix, build/design, the structural stability, the bond and the weight of the structure.
- 2, the direction and depth of existing floor/joists, if any.
- 3, the variety of permanent support, fabrication details and the dimensions; length, depth and width.
- 4, the finished height/position of the permanent support, compared to the existing joist height.

Choosing the correct size of Acrow prop for the task.

The safe working load of the combined use of the Acrow prop & tongued prop attachment varies, of which depends upon the age and size of the Acrow prop, which pin-hole height is used, how plumb, how tightly fitted and the many variable measurements from the Acrow props central axis to the centre of the wall. To reduce the risk of overloading, the inner tube of an eccentrically loaded Acrow prop should not be raised from the outer tube any further than half way.

Recommended Acrow prop Size to height ratio when using the Pro-Tector & standard sized 215mm Tongued attachment

Size 0; Working Height from solid base, 1,280mm to 1,540mm

Size 1; Working Height from solid base, 1,825mm to 2,575mm

Size 2; Working Height from solid base, 1,975mm to 2,685mm

Size 3; Working Height from solid base, 2,485mm to 3,185mm

Size 4; Working Height from solid base 3,190mm to 3.600mm

Raising the collar of an Acrow prop with an anti-clockwise 360-degree turn, increases the height by approximately 8mm; overtightening increases the risk of overloading as the measurement from the underside of wall to solid base will not change; only the inner tube of the Acrow prop and/or attachment will distort. The tongue should remain level at all times to ensure it is capable of supporting the weight of the load correctly.

The **Pro-Tector** is supplied with m12 x 35mm, Hi-tensile set screws, if lost or damaged, replace with a minimum of 8.8 Hi-tensile. If in doubt please contact us to purchase replacements. To keep the **Pro-Tector** in good working condition, keep indoors when not in use and clean with a damp cloth and dry after every use.

Please read our propping guide via our website for further guidance on the many different task scenarios. As verbal instructions are inadequate; when any of our products are sold, hired or borrowed, please ensure to provide copies of the written instructions, available to print/download via our website;