PROP-WISE INSTRUCTIONS

Fitting the Prop-Wise securely onto an Acrow Prop

Hold the Acrow prop in one hand and place the Prop-Wise on top of the Acrow prop with your other hand. Slide the Prop-Wise over the Acrow prop until the head plate fits neatly into the rear slot of the Prop-Wise. Close the coupler around the inner tube of the Acrow prop and fully tighten with a 21mm scaffold spanner.

Fitting the Prop-Wise Blade

Depending on the task, either remove a sufficient amount of masonry below the fitting height or remove 200mm of the bed joint with a drill and masonry drill bit from under two bricks/blocks. Do not use club hammers as this only weakens a structure! Adjust the Acrow prop to the required height and fit the blade under and through as much of the wall as the tasks allows. Tighten the Acrow prop until the blade is cleanly engaged and fully supporting the masonry above.

The Prop-Wise has a maximum safe working load of 500kg per unit

To calculate the number of props and Prop-Wise masonry supports required, the user must know the amount and the weight of the load which requires support. Every opening without a load-point intact must be calculated on its own merit as loads will be different, see the Brick Brace masonry weight chart for awareness of the difference of masonry loads with and without a load-point. The number of props required should be calculated from the assessment of the loading and the distance between props should not exceed 900mm unless the Brick Brace is used to support the masonry in-between props.

Reduce the number of props by using the Brick Brace safety tool to re-instate a load-point where possible which reduces the load. For superior results and to avoid minor collapse in between props and unnecessary repair time, use the Brick Brace safety system where possible to stabilise masonry over the opening, especially upon lime mortar masonry.

Keep the Prop-Wise in a good working condition by cleaning off any mortar with a damp cloth after use and dry before storing. The Prop-Wise is supplied with a half coupler attached by a zinc finished 10.9 high-tensile 12mm counter sunk screw and a 12mm serrated flanged nut. Ensure to check the tightness and condition using an 8mm Allen key and a 19mm spanner before each use. Do not use the Prop-Wise without the fixed coupler. Replacement parts must be identical in strength and available either through our website or by contacting us.

Where the Prop-Wise is sold, hired or borrowed, copies of the instructions must be provided, it is the owner's responsibility to share this information as verbal instructions are inadequate; copies are available to print from our download page via our website.

www.brickbrace.com

Acrow Prop Guidance

The safe working load of an Acrow prop fitted with any prop attachment varies and depends on the size of Acrow prop used, which pin-hole height is used, how plumb and how far the Acrow prop is positioned from the centre of the wall. Maximum 225mm from the centre of the propped wall to the centre axis of the correct sized Acrow prop.

Recommended size of Acrow prop when using the Prop-Wise

Size 0; Working Height from solid base 1,050mm to 1,500mm

Size 1; Working Height from solid base 1,600mm to 2,100mm

Size 2; Working Height from solid base 2,100mm to 2,800mm

Size 3; Working Height from solid base 2,200mm to 3,000mm

Size 4; Working Height from solid base 3,000mm to 3.600mm

Size 1 is most suitable for internal use at typical door/window heights

Size 2 is most suitable for internal use at 2.4m -2.7m ceiling heights

Adjusting an Acrow prop, a full 360 degree turn is approximately 8mm higher or lower

Acrow props exhibiting the following defects should not be used. A tube with a bend, a tube with more than superficial corrosion, a prop with a bent head or base plate, an incorrect or damaged pin or a pin not properly attached by the correct chain or wire.

Install props vertical to ensure that it can support its specified load. Props must never be used more than 50mm out of true vertical for every 1.8m in height as this decreases the S.W.L. Wear gloves and the appropriate safety equipment. Ensure the base of your prop is bearing directly onto the surface and that the floor surfaces are capable of supporting the weight that will be placed upon them. To prevent an Acrow prop from kicking out, screw down the foot plate where possible. Do not attempt exterior wall tasks in severe wet or windy conditions due to further dynamic loads. Allow only the essential work force in the work area with no access to public or clients. Ensure props are installed by a team that has the necessary knowledge to carry out the task, the guidance of a competent structural engineer is recommended when in any doubt.

To reduce the number of props within the work area and to prevent overloading when working on load bearing walls, use concentrically loaded Acrow props to support floors, joists and beams separately to safely support the different possible live and static loads which they may be carrying. Position props at a maximum of 600mm from the wall, giving further room to work. Always check the condition of joists and beams before propping. Where in an unsatisfactory condition replace or repair before continuing. Reduce further live loads by ensuring rooms above are vacated and closed to clients until works are complete, respecting your legal responsibilities and the welfare of others around you. Our propping guide and further information are available through our website.

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