EU DECLARATION OF CONFORMITY

Prop Pal™
Needle System

Certificate Number: 1002

The Manufacturer: Prop Pal Ltd
27 Magda Road, Great Moor, Stockport,
Cheshire, United Kingdom, SK2 7LX

Declare that the product: PP1800 Prop Pal Plus Needle System

Is conformal to the following directives:

Directive: Use of Work Equipment Directive – 209/104/EC

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Stephen W Cheshire
Managing Director

Prop Pal™
Needle System

Prop Pal Plus Needle System
PP1800
Safety and Instruction Manual

www.proppal.co.uk
Tel: 0161 456 0758
Product patented

Rev 3, 10/10/23

Safety

-Read instruction manual before use

-Seek expert advice on the loads, number of needles required and their spacing

-Hard hat must be worn

-Gloves must be worn

-Do not exceed 1050kg per needle

-Three person operation (2x to lift needle, 1x to locate jacking sleave plate)

Product Features

- 1050kg safe working load
- Needle cross-section of 170x60mm is smaller than a brick, allowing easy insertion
- Length of 1800mm, allows good access for installing steel beam
- Manufactured from durable S275 steel
- Jacking screw plate can be attached to allow needle to be fixed to floor boards, providing greater security for supporting walls above floor chamber
- Needle allows props to be locked in place at one or both ends
- UK manufactured
- 35kg – 2 person lift

Intended Applications

The Prop Pal needle is intended for applications where wide spans of wall require support, while steel beams are being inserted and hidden in the ceiling void. The system can be configured for ceiling joists running either parallel or perpendicular to the wall.

Instructions for Use

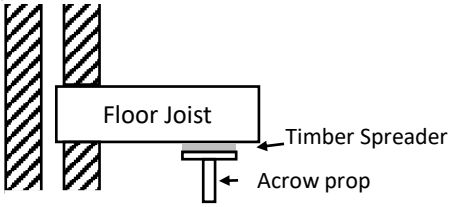
Before use:

- Seek advice from a structural engineer about how many Prop Pal needles are required and their spacing. Do not space more than 900mm apart.
- Ensure the wall is free from cracks or other damage which could affect its stability when supported.
- Identify whether the ceiling joists are parallel or perpendicular to the wall.
- Ensure the ground supporting the props is suitable. This includes being level, stable and able to bear the load.
- Ensure the ground surrounding the props is made secure against degradation by water during the life of the falsework.
- Note the position of services (particularly underground services in the region of the props).
- Ensure props to be used are jacking and of a suitable safe working load.
- All supports and supporting ground must be checked by qualified personnel before use. Prop Pal accepts no responsibility for the incorrect installation or use of this product.
- Inspect the Prop Pal Needle for defects, ensuring all fastenings are tight
- Risk assess and plan the insertion of the needles, demolition of wall and insertion of beam. Ensure those on site are familiar with the plan.

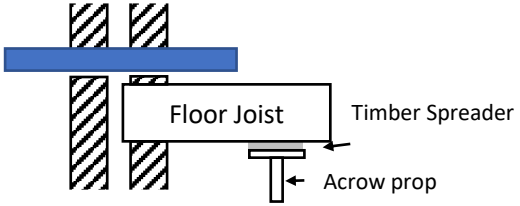
Operation:

For joists perpendicular to the wall:

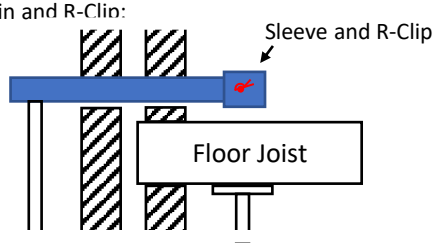
- Support the joist with a prop using best practice:



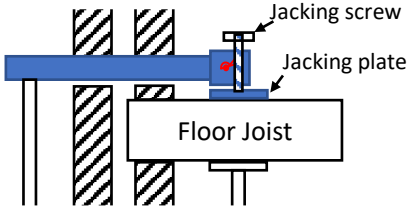
- Detach sleeve from main body by removing R-Clip and remove retaining rod
- Create holes in walls and insert needle from the outside:



- Support the outside end of the needle using a prop, using best industry practice and a 2-person lift.
- The third person to position sleeve on floor adjacent to aperture in wall to receive main body and secure with locating pin & clip
- To secure to the joist: insert sleeve over end of needle. Secure in place with locking pin and R-Clip:

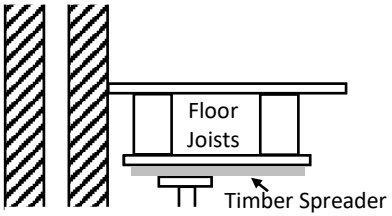


- Attach the jacking screw plate, wind into position and secure to the joist:

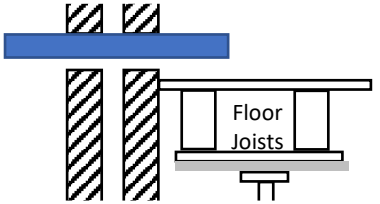


For joists parallel to the wall:

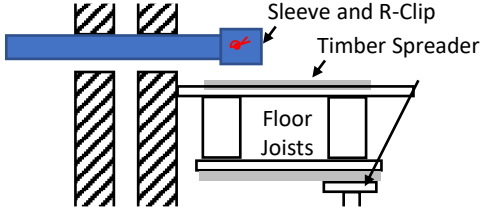
- Support the joist with a prop using best practice:



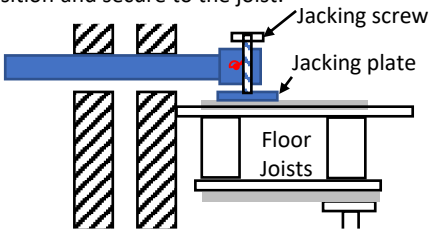
- Create holes in walls and insert needle so end is in line with the joist and its prop:



- Support the outside end of the needle using a prop using best industry practice.
- To secure to the joist: insert sleeve over end of needle. Secure in place with locking pin and R-Clip:

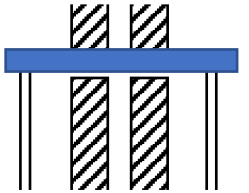


Attach the jacking screw plate, wind into position and secure to the joist:



Or, support via two props

- Props should be supported in line with best practice:



For all assembly methods:

- Ensure the props are vertical and resting on a suitable surface before extending to take up the slack.
- Ensure that the props can not come into collision with equipment, particularly mobile equipment on site.
- Remove the wall and insert the beam in line with best practice.
- Once the beam is in place, and the masonry has been made good, the props can be removed and the needles retracted.

Maintenance

The Prop Pal needle should be inspected before and after each use. Inspections should ensure fastenings are tight and all parts are present. While cosmetic damage is acceptable, do not use the equipment if any structural damage is found.

Additionally, once erected, the needle, props and prop supports should be checked each day to ensure they are safe and secure.

Thread support should be cleaned and lightly lubricated after use