



GROUNDWORKS

ADJUSTABLE PROPS

User Guide



HIRE & SALES

BH/07.26

Altrad Hire & Sales

Support for Construction & Industry



Altrad Hire & Sales is the UK's leading supplier of: Scaffolding, Temporary Fencing, Light Access, Edge Protection, Safety Decking and Groundworks for hire and sale.

OUR **CUSTOMER COMMITMENT** IS TO DELIVER:



BEST QUALITY

We work closely with our suppliers to ensure consistent product quality every time. All our products are specified to meet or exceed statutory requirements, verified by our Quality Assurance team.



BEST AVAILABILITY

Our nationwide branch network, transport fleet and stock holding ensure we can supply your equipment needs. What, When and Where you need equipment.



BEST PARTNERSHIP

We can take care of all your equipment needs; supplemented by a full range of engineering, design, specification and business services. Our focus is to work together, supporting the growth of your business.



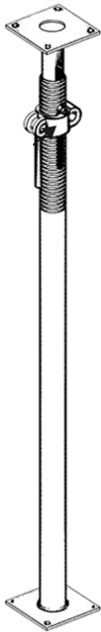
BEST VALUE

Our global supply chain, purchasing and lean business means we don't pass on unnecessary costs to you. We aim to provide consistently low prices and the best value when you buy or hire from us.

Adjustable Props

Identification of Components

Altrad Hire & Sales adjustable props can be identified from the details below in which lengths, weights and suggested working loads are given.



Codes	Prop No.	Dimensions		Weight (kg)
		Closed (m)	Extended (m)	
405050	0	1.07	1.82	10.9
405051	1	1.75	3.12	19.3
405052	2	1.98	3.35	20.2
405053	3	2.59	3.95	22.8
405054	4	3.20	4.87	27.5

Prop No.	Extended Lengths (m)	S.W.L (kN) Loaded concentrically and up to 1° 30' out of plumb
0	1.82	35
1	2.00	35
1	3.12	17
2	2.00	35
2	3.35	15
3	3.00	20
3	3.95	11
4	3.50	19
4	4.87	10

Prop No.	Extended Lengths (m)	S.W.L (kN) Loaded up to 25mm eccentricity and 1° 30' out of plumb
0	1.82	17
1	2.75	17
1	3.12	14
2	2.75	17
2	3.35	12
3	3.00	15
3	3.95	9
4	4.00	10
4	4.87	6

Stacking and Handling

Altrad Hire & Sales props should be carefully stacked either for transportation or for storage on site as shown.

Smaller quantities can be stored in post pallets.

A suitable dry, level, firm area should be made available for storage on site.

Before attempting to sling check that the lifting equipment available on site is of sufficient capacity and suitable for the lifting operations.

Slings should always be carried out by a suitably experienced and competent personnel.

DO NOT place any other equipment on a stack of props.

During transportation ensure stacks of props are securely restrained to the vehicle bed.

Usage and Safety Guidelines

Adjustable Steel Props are used for many different applications.

The following general guidelines are recommendations that should be borne in mind with props to ensure adequate safety is achieved. These guidelines are purely advisory and only state some of the many working practices or conditions that may arise using props. They should not be used to replace any existing safety procedures. It is recommended that all personnel using vertical props familiarise themselves with these guidelines.

- Ensure that all health and safety and regulations are adhered to.
- Inspect all equipment before using and never try to use any damaged I deteriorated props. Bent props should never be used.
- Any damage to the prop should be rectified and any parts replaced. The restraint wire should be in full working order prior to being used.
- Always ensure that props are fitted with the correct captive pins which are manufactured from high tensile material. Any use of reinforcing rods, tie rods or other materials may result in prop failure under load. Captive pins are always available to order from your supplier.
- Ensure the verticality of the prop during erection I before loading using a spirit level or similar.
- Be sure to inspect erected props before pouring begins and immediately after pouring has ceased.
- If in any doubt always consult your prop supplier and never take risks.
- Be sure to use the manufacturers recommended safe working loads relevant to the length of the props.
- To enable correct distribution of loads on props ensure that a solid footing is achieved and maintained.
- To ensure stability, all single vertical props should have sufficient bracing in the longitudinal, transverse and diagonal directions.
- Any re-shoring procedures should be approved by a qualified engineer.
- Timber bearers should be designed taking into account the type, condition and allowable stresses of the timber and the supplier's recommended loadings.
- In order to provide a safe system of work for erection / installation / dismantling, it will be necessary to draw up a method statement.

It is advised that all such work should be carried out by suitably trained and experienced personnel.

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