يونى ستيل
UNISTEEL
Formwork & Scaffolding

UNI-PROP JACKS

WE ARE FORMING YOUR IDEAS

UNI-PROP JACKS

Adjustable Uni Prop Jacks has been designed to support a wide range of temporary floors and beams and are available with spigot fork-head. It is also designed only with 2 main components, the outer leg and inner leg. To adjust, insert the pin through the threaded tube into the hole on the prop inner tube, then prop collar to achieve prop height.

ADVANTAGES:

- **Easy and practical to set up.**
- **High load capacity with low weight.**
- **Quickly shifted and adapted.**
- **Cost effective and efficient to be used in carrying out large-area slab projects.**
- **Wedge-lock allows quick and easy work regarding attaching and detaching the props.**
- **Low stacking height when transported and stored.**
- **Safe, fast shifting appliances, saving time and money.**
- **Minimum components identification difficulties**

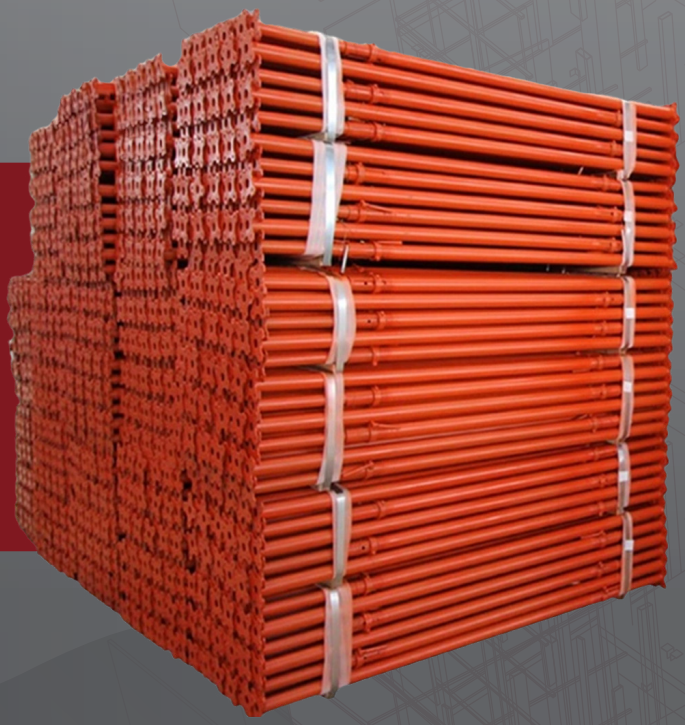


TABLE1

PRODUCT DESCRIPTION	Outer Tube			INNER TUBE		
	O.D (mm)	I.D (mm)	Thickness (mm)	O.D (mm)	I.D (mm)	Thickness (mm)
Heavy Duty Props	60.3	52.3	4	48.3	40.3	4
Medium Duty Props	60.3	53.9	3.2	48.3	41.9	3.2
Light Duty Props	60.3	56.7	1.8	48.3	44.7	1.8

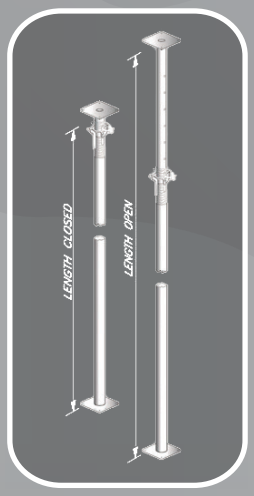


TABLE2

PRODUCT DESCRIPTION	Product Code	TUBE COMBINATION		LENGTH		Weight (Kg)	MAX. ATTAINED LOAD
		Outer	Inner	Open/ Max.	Closed/ Min.		
HEAVY DUTY PROPS NO. 1	110-100	3.00m	3.00m	5.6m	3.1m	30.95	11.49 KN @ 5.6 MTR.L
HEAVY DUTY PROPS NO. 2	110-101	2.50m	2.50m	4.6m	2.5m	26.00	12.75 KN @ 4.6 MTR.L
MEDIUM DUTY PROPS NO.1	110-103	3.00m	3.00m	5.6m	3.1m	25.37	10.36 KN @ 5.6 MTR.L
MEDIUM DUTY PROPS NO.2	110-104	2.50m	2.50m	4.6m	2.5m	21.34	11.51 KN @ 4.6 MTR.L
LIGHT DUTY PROPS	110-114	1.75m	2.35m	3.9m	2.45m	11.02	10 KN @ 3.9 MTR.L

THE LOAD TEST WAS APPLIED BY (FUGERO SUHAIMI LTD) | AVAILABLE UPON REQUEST.

Strong and durable.

- Manufactured from high yield steel to Unisteel specifications.
- The prop outer-tube features a rolled thread which retains the tube wall thickness and thereby maintains maximum strength.

Fast to erect in 3 simple movements by one person

1

Lift inner-tube to approximate height required.

The outer-tube is kept steady by placing foot on base-plate.

2

Insert pin through slot in outer-tube passing through the adjacent hole in the inner-tube.

3

Turn handle of nut for final adjustment.

Multitude of uses.

- **Falsework support:** formwork for reinforced concrete floors and beams.
- **Raking shores:** to brace formwork for columns, walls and stairs.
- **Temporary support:** Repair works for demolition or renovation work.
- **Load Distribution:** designed to bear substantial loads.




Components:

Prop Head and Base Plate :
150mm x 150mm steel plates with drilled holes for securing to timber beams or facilitating the use of accessories.

Prop Inner-Tube :
48.3mm OD tube with holes at 152.5mm centers. Tube diameter enables standard scaffold tube and couplers to be used for bracing purposes.

Prop Outer-Tube :
60.3mm OD tube which accommodates the thread section and slot for fine height adjustment. Reduction couplers enable standard scaffold tube to be connected to the outer tube for bracing purposes.

Thread :
The thread on the outer tube provides fine adjustment within the props given range. The rolled thread retains the wall thickness of the tube and thereby maintains maximum strength.

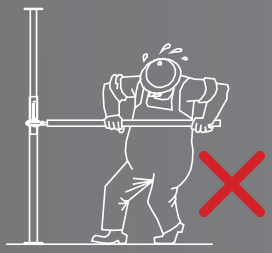
Prop Nut :
The self-cleaning nut has a hole at one end for easy turning when the prop handle is close to walls. An extra nut can be added to convert the prop to a push-pull strut.

Know how to use UNI Prop

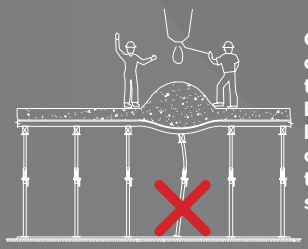
ALWAYS USE UNI PROP PINS.

Don't replace an UNI PROP pin with a piece of reo or a bolt.

UNI PROP MUST NOT BE USED AS A JACK.

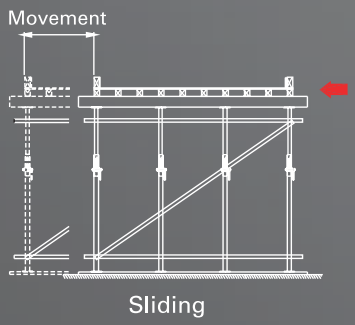


DO NOT OVERLOAD.

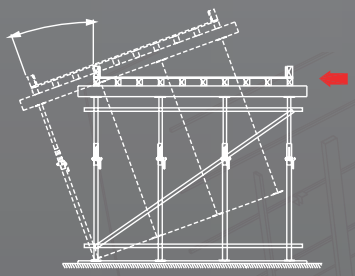


Overloading can cause the props to buckle and lead to the collapse of the shoring system.

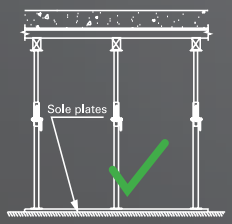
HORIZONTAL FORCES (EG: WIND LOADS) CAN CAUSE OVERTURNING OR SLIDING



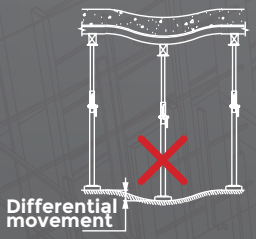
Attention must be given to prevent these situations



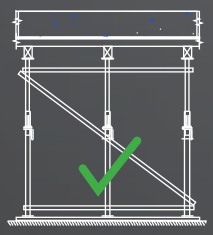
USE SOLE PLATES WITH ADEQUATE STIFFNESS UNDER THE PROPS WHERE THE PROP IS NOT BEARING ON A CONCRETE FOUNDATION.

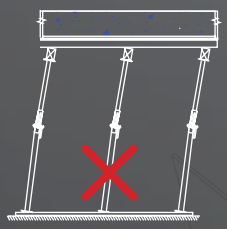


The foundation material must be sufficiently firm to prevent differential settlement and have adequate bearing capacity. Prevent differential settlement due to non-uniform foundation material.

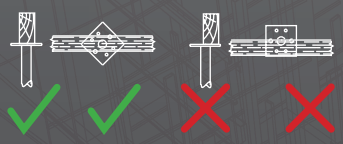


PROVIDE ADEQUATE BRACING TO PREVENT MOVEMENT OF FORMWORK AND PROVIDE STABILITY TO THE FALSEWORK.

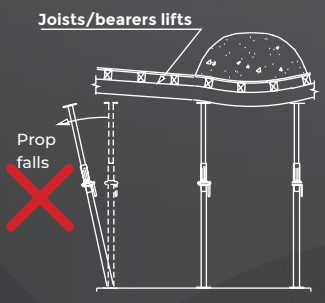


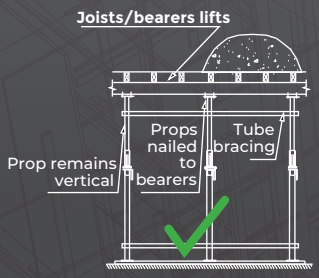


AVOID ECCENTRIC LOADS



AVOID DISLODGEMENT BY NAILING THE BEARERS TO THE PROP HEAD PLATE AND TIE THE PROPS TOGETHER.





يونى ستيل
UNISTEEL
Formwork & Scaffolding

Contact Us

Info@unisteel.com.sa

www.unisteel.com.sa

920000864