Prop and Strut Safe Working Loads

SAFE WORKING LOAD (KN) FOR PROP LOADED CONCENTRICALLY AND 1.50 MAX. OUT-OF-PLUMB.

Recommended safe working loads for props using Aluminium Formwork Beams from proprietary formworks systems or equivalent ensuring concentric loading. Also for timber beams where twisted and fixed forkheads are used to ensure concentric loading. A suitably qualified temporary works engineer should ensure timber beams allowable stress limits are not exceeded in the system before use.

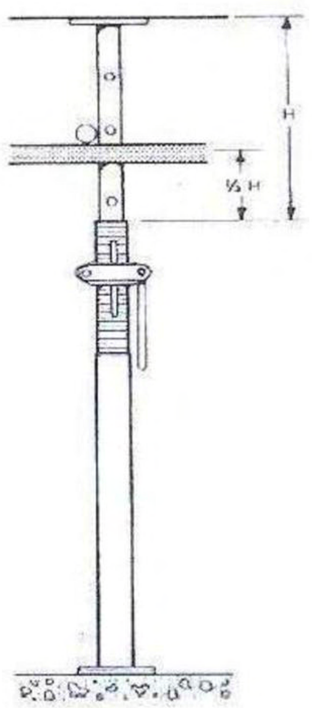
Height (m) Prop Size	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
0	32.0	32.0	21.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	32.0	32.0	32.0	26.0	23.0	19.0	-	-	-	-	-	-	-	-
2	-	-	-	-	32.0	26.0	23.0	19.0	17.0	-	-	-	-	-	-	-
3	-	-	-	-	-	26.0	23.0	19.0	17.0	15.0	13.0	-	-	-	-	-
4	-	-	-	-	-	-	-	-	24.0	19.0	15.0	12.0	11.0	10.0	9.0	-

SAFE WORKING LOAD (kN) FOR PROPS LOADED CENTRICALLY AND SUITABLY LACED WITH TUBE AND FITTINGS.

Recommended safe working loads for Props laced in two directions, at right angles, at a level 1/3 of the height of the extended inner tube (see sketch). The lacing and the formwork deck must be restrained against horizontal movement by tying to the building or by diagonal bracing.

When using the loading tables, the height of any drop head or similar attachment should be included in the prop height.

Height (m) Prop Size	2.0	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75
1,2,3	-	-	32.0	32.0	32.0	32.0	28.0	24.0	20.0	-	-	-
4	-	-	-	-	-	32.0	32.0	30.0	26.0	22.0	19.0	16.0



Based upon independent testing and analysis in accordance with BS5507-3 :1982 Falsework Equipment, Part 3, Props and statistical analysis and load factoring of the results in compliance with BS EN12811. All values rounded to the closest 0.50kN.

Trench Struts

Available in four sizes. Size 0, 1, 2, 3

Safe Working Load (SWL) of 3tonne at any length.

N.B. As a basic conversion of kN to tonnes or metric tonnes, divide values above by 10. `