FirstFence® HIRE & SALES

Acrow Prop
Load Bearing
Technical Sheet

Prop Load Data

SAFE WORKING LOAD (kN) FOR GENERATION PROP LOADED 25mm MAX. ECCENTRIC AND 1.5O MAX. OUT-OF-PLUMB.

Recommended safe working loads for Props where concentric loading cannot be guaranteed. When supporting timber bearers, prop load may be limited by allowable stress in timber.

Height (m)	1.25	1.5	1.75	2.0	2.25	2.5	2.75	3.0	3.25	3.5	3.75	4.0	4.25	4.5	4.75	5.0	5.25	5.5	5.75	6.0
Prop Size																				
0, 1, 2, 3	17	17	17	17	17	17	17	15	13	11	10	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	17	14	11	10	9	8	7	7	-	-	-	-

Source: Based on CIRIA Technical Note 79 (1977) (Except for size ‘0’ props).

SAFE WORKING LOAD (kN) FOR GENERATION PROPS LOADED CENTRICALLY AND 1.5O MAX. OUT-OF-PLUMB.

Recommended safe working loads for Props supporting Metriform or similar formwork systems, ensuring concentric loading. Also for timber bearers where fork heads are used to ensure concentric loading, but load on prop may be limited by allowable stress in timber.

Height (m)	1.25	1.5	1.75	2.0	2.25	2.5	2.75	3.0	3.25	3.5	3.75	4.0	4.25	4.5	4.75	5.0	5.25	5.5	5.75	6.0
Prop Size																				
0	32	32	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1, 2, 3	-	-	32	32	32	26	23	19	17	15	13	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	24	19	15	12	11	10	9	-	-	-	-	-

Source: Based on CIRIA Technical Note 79 (1977) (Except for size ‘0’ props).

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EnviroRail® Bow Top Railings

Specification Sheet

SPC-ENV-007A

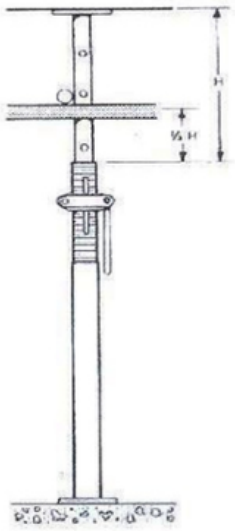
SAFE WORKING LOAD (kN) FOR GENERATION PROPS LOADED CENTRICALLY AND SUITABLY LACED WITH TUBE AND FITTINGS.

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)	2.0	2.25	2.5	2.75	3.0	3.25	3.5	3.75	4.0	4.25	4.5	4.75
Prop Size												
1, 2, 3	-	-	32	32	32	32	28	24	20	-	-	-
4	-	-	-	-	-	32	32	30	26	22	19	16

Source: Calculated in accordance with BS449: Part 2: 1969, but using a load factor of 2. N.B For all practical purposes, to convert kN to tonnes or metric tonnes, divide by 10.



Call our Expert Sales Team for more information.

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