

Shore Props

Safe Working Load Tables

Safe Working Load (kN) for Prop loaded 25mm Max Eccentric and 1.5 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	2.25	2.5	2.75	3
Prop size								
0, 1, 2, 3	17	17	17	17	17	17	17	15
4	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-

Safe Working Load (kN) for Props loaded Concentrically and 1.5 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	2.25	2.5	2.75	3
Prop size								
0	32	32	21	-	-	-	-	-
1, 2, 3	-	-	32	32	32	26	23	19
4	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-

Safe Working Load (kN) for Props loaded Concentrically 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. The lacing and the formwork deck must be restrained against horizontal movement by tying to the building or 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	2.25	2.5	2.75	3	3.25	3.5	3.75
Prop size								
1, 2, 3	-	-	32	32	32	32	28	24
4	-	-	-	-	-	32	32	30

Source: Calculated in accordance with BS449: Part 2: 1969, but using a load factor of 2.

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