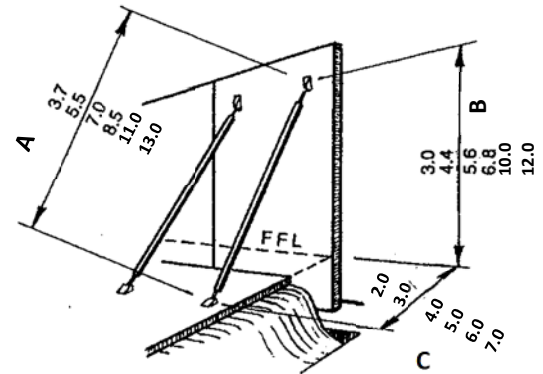


Prop Specifications

Prop Specifications		
Nominal Length (mtr)	Adjustable Length (mm)	Allowable Axial Load Capacity
1.8	1,880-2,230	5.0t
3.0	3,540-4,010	5.0t
5.0	5,165-5,635	3.6t
6.5	6,790-7,260	2.2t
8.0	8,415-8,885	1.5t
11.0	11,780-12,130	2.0t
13.0	13,780-14,200	7.9t

Prop Positioning (metres)		
A Prop Length	B Height Up Panel Face	C Foot Distance From Panel
3.0	3.0	2.0
5.0	4.4	3.0
6.5	5.6	4.0
8.0	6.8	5.0
11.0	10.0	6.0
13 S/P	12.0	7.0



Prop Selection (allowable spacing per prop (m))												
Panel Height from floor (mtr)	3.0m Prop		5.0m Prop		6.5m Prop		8.0m Prop		11.0m Prop		13.0m Super Prop	
	120mm thick panel	150mm thick panel	120mm thick panel	150mm thick panel	120mm thick panel	150mm thick panel	120mm thick panel	150mm thick panel	180mm thick panel	225mm thick panel	180mm thick panel	225mm thick panel
3.5												
4.0	23.3	21.3										
4.5	18.4	16.9										
5.0	14.9	13.7										
5.5			8.5	7.8								
6.0			7.1	6.6								
6.5			6.1	5.6								
7.0			5.2	4.9								
7.5			4.6	4.2	3.5	3.3						
8.0					3.1	2.9						
8.5					2.8	2.5						
9.0					2.5	2.3						
9.5					2.2	2.0	1.9	1.7				
10.0							1.7	1.5				
10.5							1.5	1.4				
11.0							1.4	1.3				
11.5							1.3	1.2				
12.0									2.7	2.5		
12.5									2.5	2.3		
13.0									2.1	1.9		
13.5									1.8	1.5		
14.0									1.5	1.3		
14.5									1.2	1.0	3.9	3.7
15.0											3.7	3.5
15.5											3.5	3.4
16.0											3.4	3.3
16.5											3.3	3.2
17.0											3.2	3.1
17.5											3.1	2.9
18.0											3.0	2.8

Lightweight, strong, speedy adjustment and meets NZ Good Practice Guideline requirements.

Suitable for positioning & stabilizing precast and timber columns, precast wall panels, blockwork walls, and formwork.

Props should be positioned no lower than 65% up the face of the panel from finished floor level, or deadman RL, unless specifically engineered.

NOTE:

Values in this table were calculated considering a 0.5kPa wind loading applied to the panel and gravity loads imposed on the prop in compression due to a 5 degree inclination angle to the vertical. It includes a factor of safety of 2.

Factors for earthquake loadings producing lateral accelerations of > 1/3G may be calculated using the following formula:

Earthquake Prop Spacing = (Prop Spacing from table) ÷ (C x 6).

Where C = Earthquake coefficient from NZS 4203:1992.

A similar equation can be used for higher wind pressures than 0.5kPa.

High Wind Prop Spacing = (Prop Spacing from table x 0.5kPa) ÷ (Load Wind Pressure (kPa))