

ALU PROP

BACKPROPPING WLL				
Prop Type	ALU 3500	Alu 4200	ALU 4800	ALU 6250
Prop Extents (mm)	1950/3500	2650/4200	2750/4800	4900/6250
Extension (mm)	(kN)	(kN)	(kN)	(kN)
2050	199.8			
2100	199.8			
2200	199.8			
2300	199.8			
2400	199.8			
2500	199.8			
2600	199.8			
2650	199.8	207.8		
2750	199.8	207.8	207.8	
2800	196.4	205.4	205.4	
2900	194.3	195.1	195.1	
3000	182.1	185.8	185.8	
3100	171.8	176.9	176.9	
3200	161.7	169.8	169.8	
3300	151.4	160.3	160.3	
3400	145.3	154.3	154.3	
3500	137.1	148.3	148.3	
3600		142.3	142.3	
3700		136.8	136.8	
3800		130.7	130.7	
3900		125.8	125.8	
4000		120.9	120.9	
4100		116.0	116.0	
4200		112.5	112.5	
4300			108.8	
4400			105.0	
4500			101.3	
4600			98.8	
4700			97.8	
4800			97.5	
4900				140.8
5000				136.0
5100				131.2
5200				127.3
5300				123.5
5400				119.6
5500				116.8
5600				113.8
5700				109.0
5800				106.1
5900				104.2
6000				101.3
6100				96.5
6200				83.7
6250				82.8

FORMWORK WLL				
Prop Type	ALU 3500	Alu 4200	ALU 4800	ALU 6250
Prop Extents (mm)	1950/3500	2650/4200	2750/4800	4900/6250
Extension (mm)	(kN)	(kN)	(kN)	(kN)
2050	127.9			
2100	127.9			
2200	127.9			
2300	127.9			
2400	127.9			
2500	127.9			
2600	127.9			
2650	127.9	127.9		
2750	127.9	127.9	127.9	
2800	125.7	125.7	125.7	
2900	124.4	124.4	124.4	
3000	116.5	116.5	116.5	
3100	110.0	110.0	110.0	
3200	103.4	103.4	103.4	
3300	96.9	96.9	96.9	
3400	93.0	93.0	93.0	
3500	87.8	87.8	87.8	
3600		81.1	81.1	
3700		78.0	78.0	
3800		74.5	74.5	
3900		71.7	71.7	
4000		68.9	68.9	
4100		66.2	66.2	
4200		64.2	64.2	
4300			62.0	
4400			59.8	
4500			57.8	
4600			56.3	
4700			55.8	
4800			55.6	
4900				80.3
5000				77.5
5100				74.8
5200				72.6
5300				70.4
5400				68.2
5500				66.5
5600				64.9
5700				62.2
5800				60.5
5900				59.4
6000				57.8
6100				55.0
6200				47.7
6250				47.3

Fowler certify that the capacities for the Aluminium Props fabricated have been analysed and documented based on the detailed testing undertaken by BC Test Laboratory Pty Ltd December 2024

See supplier for full engineering specification as per AS3610 :
 Formwork for Concrete 1995 and detailed analysis in accordance
 to
 AS1664.1: Aluminium Structures 1997,
 AS1170 : Loading Code 2002

ALU PROP With 1m Extension

BACKPROPPING WLL				
Prop Type	ALU 3500	Alu 4200	ALU 4800	ALU 6250
Prop Extents (mm)	1950/3500	2650/4200	2750/4800	2600/4800
Extension (mm) + 1000(mm) Extension Piece	(kN)	(kN)	(kN)	(kN)
2050 +1000	177.0			
2100 + 1000	171.8			
2200 + 1000	161.7			
2300 + 1000	151.4			
2400 + 1000	145.3			
2500 + 1000	137.1			
2600 + 1000	142.3			
2650 + 1000	136.8	136.8		
2700 + 1000	136.8	136.8	136.8	
2800 + 1000	130.7	130.7	130.7	
2900 + 1000	125.8	125.8	125.8	
3000 + 1000	120.9	120.9	120.9	
3100 + 1000	116.0	116.0	116.0	
3200 + 1000	112.5	112.5	112.5	
3300 + 1000	108.8	108.8	108.8	
3400 + 1000	105.0	105.0	105.0	
3500 + 1000	101.3	101.3	101.3	
3600 + 1000	98.8	98.8	98.8	
3700 + 1000		97.8	97.8	
3800 + 1000		93.8	93.8	
3900 + 1000		88.8	88.8	
4000 + 1000		85.0	85.0	
4100 + 1000		82.5	82.5	
4200 + 1000		80.0	80.0	
4300 + 1000			77.5	
4400 + 1000			75.0	
4500 + 1000			73.8	
4600 + 1000			71.3	
4700 + 1000			70.0	
4800 + 1000			66.3	
4900 + 1000				104.2
5000 + 1000				101.3
5100 + 1000				96.5
5200 + 1000				83.7
5300 + 1000				82.0
5400 + 1000				80.3
5500 + 1000				78.6
5600 + 1000				75.2
5700 + 1000				73.4
5800 + 1000				71.8
5900 + 1000				70.0
6000 + 1000				66.6
6100 + 1000				64.9
6200 + 1000				63.2
6300 + 1000				61.5

FORMWORK WLL				
Prop Type	ALU 3500	Alu 4200	ALU 4800	ALU 6250
Prop Extents (mm)	1950/3500	2650/4200	2750/4800	2600/4800
Extension (mm) + 1000(mm) Extension Piece	(kN)	(kN)	(kN)	(kN)
2050 +1000	113.3			
2100 + 1000	110.0			
2200 + 1000	103.4			
2300 + 1000	96.9			
2400 + 1000	93.0			
2500 + 1000	87.8			
2600 + 1000	81.1			
2650 + 1000	78.0	78.0		
2700 + 1000	78.0	78.0	78.0	
2800 + 1000	74.5	74.5	74.5	
2900 + 1000	71.7	71.7	71.7	
3000 + 1000	68.9	68.9	68.9	
3100 + 1000	66.2	66.2	66.2	
3200 + 1000	64.2	64.2	64.2	
3300 + 1000	62.0	62.0	62.0	
3400 + 1000	59.8	59.8	59.8	
3500 + 1000	57.8	57.8	57.8	
3600 + 1000	56.3	56.3	56.3	
3700 + 1000		55.8	55.8	
3800 + 1000		53.4	53.4	
3900 + 1000		50.6	50.6	
4000 + 1000		48.5	48.5	
4100 + 1000		47.0	47.0	
4200 + 1000		45.6	45.6	
4300 + 1000			44.2	
4400 + 1000			42.8	
4500 + 1000			42.1	
4600 + 1000			40.6	
4700 + 1000			39.9	
4800 + 1000			37.8	
4900 + 1000				59.4
5000 + 1000				57.8
5100 + 1000				55.0
5200 + 1000				47.7
5300 + 1000				46.8
5400 + 1000				45.8
5500 + 1000				44.8
5600 + 1000				42.8
5700 + 1000				41.8
5800 + 1000				40.9
5900 + 1000				39.9
6000 + 1000				38.0
6100 + 1000				37.0
6200 + 1000				36.0
6300 + 1000				35.1

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 December 2024

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