

Selection Charts

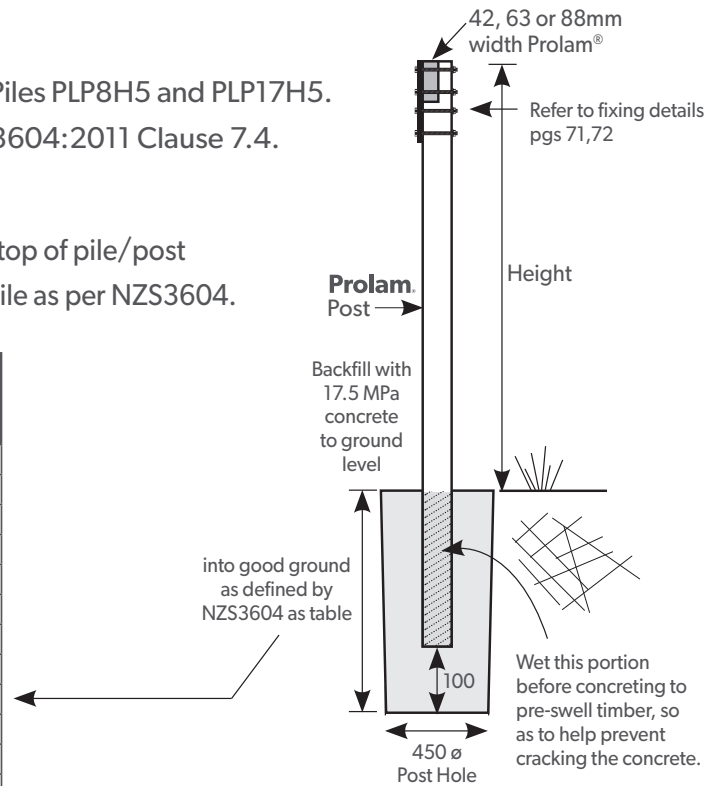
Table 14

Bracing units for Prolam® Posts. For use as Deck Piles PLP8H5 and PLP17H5. Piles supporting timber deck constructed to NZS 3604:2011 Clause 7.4.

Deck Pile Bracing Units

Prolam post height measured from top of concrete to top of pile/post
Piles rated at 120 * BU's are equivalent to an anchor pile as per NZS3604.

Prolam Post Deck Pile	Pile/Post Height (m)	Bracing Units	Bearer / pile connection	Min footing depth @ 450 dia (m)
PLP8H5-150 135x135	0.75	120 *	12 kN Kit	1.2
	1.00	53	6 kN Kit	1.1
	1.20	30	6 kN Kit	1.0
	1.50	19	6 kN Kit	1.0
	1.80	13	6 kN Kit	0.9
	2.10	10	6 kN Kit	0.9
PLP17H5-150 125x125	0.85	120 *	12 kN Kit	1.2
	1.00	80	12 kN Kit	1.2
	1.20	59	6 kN Kit	1.1
	1.50	35	6 kN Kit	1.1
	1.80	24	6 kN Kit	1.0
	2.10	17	6 kN Kit	1.0
PLP8H5-200 180x180	1.00	120 *	12 kN Kit	1.3
	1.20	95	12 kN Kit	1.2
	1.50	60	6 kN Kit	1.2
	1.80	40	6 kN Kit	1.2
	2.10	30	6 kN Kit	1.2
	2.40	24	6 kN Kit	1.2
	2.70	19	6 kN Kit	1.2
	3.00	15	6 kN Kit	1.2
PLP17H5-200 170x170	1.40	120 *	12 kN Kit	1.3
	1.50	100	12 kN Kit	1.3
	1.80	70	12 kN Kit	1.2
	2.10	50	6 kN Kit	1.2
	2.40	40	6 kN Kit	1.2
	2.70	30	6 kN Kit	1.2
	3.00	25	6 kN Kit	1.2
	3.30	20	6 kN Kit	1.2
PLP8H5-250 220x220	1.60	120 *	12 kN Kit	1.3
	1.80	95	12 kN Kit	1.3
	2.10	70	12 kN Kit	1.2
	2.40	54	6 kN Kit	1.2
	2.70	42	6 kN Kit	1.2
	3.00	34	6 kN Kit	1.2
	3.30	19	6 kN Kit	1.2
	3.60	24	6 kN Kit	1.2



PLP17H5-250 220x220	2.30	120 *	12 kN Kit	1.4	
	2.40	110	12 kN Kit	1.4	
	2.70	90	12 kN Kit	1.3	
	3.00	70	12 kN Kit	1.3	
	3.30	60	12 kN Kit	1.3	
	3.60	50	6 kN Kit	1.2	
	3.90	43	6 kN Kit	1.2	
	4.20	37	6 kN Kit	1.2	
	4.50	32	6 kN Kit	1.2	
	PLP8H5-300 260x260	2.25	120 *	12 kN Kit	1.4
2.40		105	12 kN Kit	1.4	
2.70		80	12 kN Kit	1.3	
3.00		65	12 kN Kit	1.3	
3.30		55	12 kN Kit	1.3	
3.60		47	12 kN Kit	1.3	
3.90		40	6 kN Kit	1.3	
4.20		34	6 kN Kit	1.3	
PLP17H5-300 255x255		3.10	120 *	12 kN Kit	1.5
		3.30	105	12 kN Kit	1.5
	3.60	90	12 kN Kit	1.4	
	3.90	75	12 kN Kit	1.4	
	4.20	65	12 kN Kit	1.4	
	4.50	58	12 kN Kit	1.4	
	4.80	50	12 kN Kit	1.4	
	5.10	45	12 kN Kit	1.4	
	5.40	40	12 kN Kit	1.4	

These span tables apply only to Prolam products