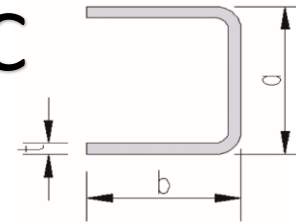


Load Tables

The following table details maximum design loads to BS EN 1993 (Eurocode 3) for our comprehensive range of Wincro WPC Windposts (cold formed channel).

Wincro Windposts are designed as 'simply supported beams' with a maximum deflection of span/360. The design resistances shown should be compared to factored loads.

WPC



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Performance to Eurocode 3 (EC3)

WPC Windposts

Our Technical Design Team is available to provide further information and bespoke designs for particular Windpost requirements.

Product Ref	Size mm a x b x t	Design Resistance (kN) per post (uniformly distributed) for various windpost heights							
		2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
WP4C6560	65 x 60 x 4	4.78	3.32	2.43	1.86				
WP5C6560	65 x 60 x 5	5.91	4.08	2.97	2.22				
WP4C7560	75 x 60 x 4	6.94	4.82	3.54	2.71	2.14			
WP5C7560	75 x 60 x 5	8.26	5.74	4.22	3.23	2.55			
WP4C8060	80 x 60 x 4	7.71	5.36	3.93	3.01	2.38	1.93		
WP5C8060	80 x 60 x 5	9.61	6.65	4.90	3.74	2.95	2.38	1.98	
WP6C8060	80 x 60 x 6	11.00	7.64	5.61	4.30	3.39	2.75	2.27	
WP4C8560	85 x 60 x 4	8.87	6.16	4.53	3.46	2.74	2.22		
WP5C8560	85 x 60 x 5	11.06	7.68	5.65	4.32	3.41	2.77	2.29	
WP6C8560	85 x 60 x 6	12.69	8.81	6.48	4.96	3.92	3.17	2.62	2.20
WP4C9060	90 x 60 x 4	9.94	7.03	5.17	3.96	3.12	2.53	2.09	
WP5C9060	90 x 60 x 5	13.22	9.15	6.66	5.02	4.09	3.31	2.74	2.30
WP6C9060	90 x 60 x 6	14.53	10.09	7.41	5.69	4.48	3.63	3.00	2.52
WP5C9560	95 x 60 x 5	14.35	9.96	7.32	5.60	4.43	3.59	2.96	2.49
WP6C9560	95 x 60 x 6	16.51	11.47	8.42	6.45	5.10	4.13	3.41	2.87
WP5C10560	105 x 60 x 5	17.52	12.43	9.20	7.07	5.59	4.53	3.75	3.15
WP6C10560	105 x 60 x 6	17.77*	15.28	11.26	8.63	6.82	5.53	4.57	3.84
WP5C11560	115 x 60 x 5	17.77*	15.26	11.35	8.74	6.92	5.61	4.64	3.90
WP6C11560	115 x 60 x 6	17.77*	17.89	13.21	10.13	8.01	6.49	5.37	4.51
WP8C12080	120 x 80 x 8	17.77*	21.33*	23.42	17.98	14.22	11.52	9.52	8.00

Tel +44 (0)114 242 2171

technical@wincro.com

Note. Figures noted by * and in bold indicate post capacity limited by tie capacity based on spacing at 225mm vertical centres.

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