

HadleySFS Infill

Load Span Tables



Design Basis

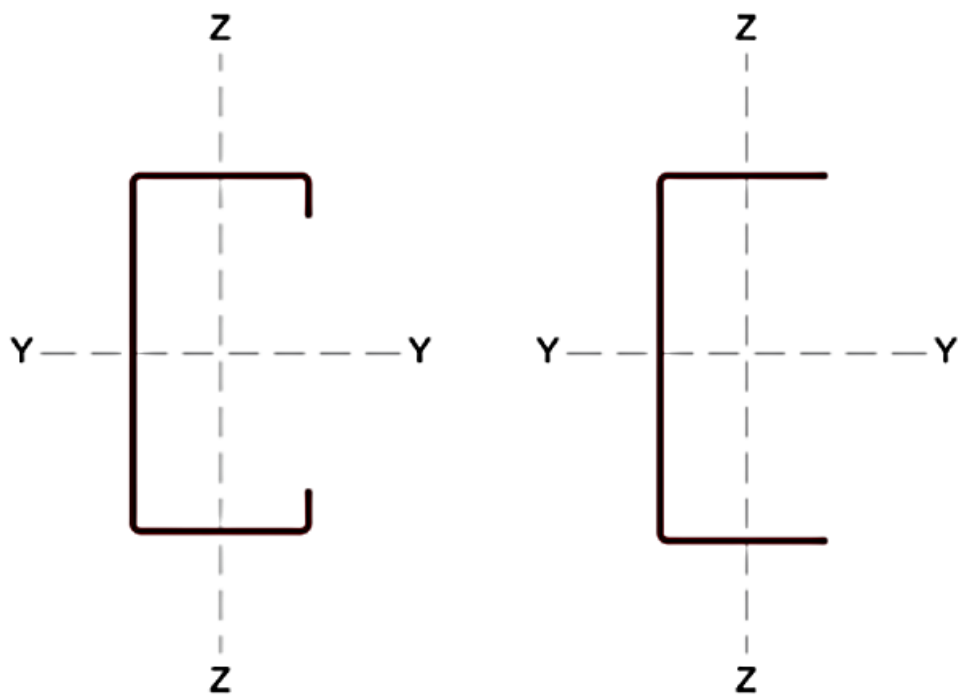
The **HadleySFS** load tables provided here present the performance of Hadley's infill SFS solution for spans up to a maximum of 5m. For spans greater than 5m, a more detailed design is required. Performance has been calculated in line with industry best practice standard BS EN 1993-1-3:2006 and SCI Publication ED017.

If you have questions about your project, our in-house technical team are on hand to provide advice and support.

This information is to be used for infill SFS estimation only. For the most efficient design for your project, please contact your local Hadley Project Specification Manager to request a complete HadleySFS design.

Load span data presented is based on the following:

Stud Spacing	600mm centres
Deflection	Limited to L/360
Wind Pressures	Unfactored
Spans	Meters (m)

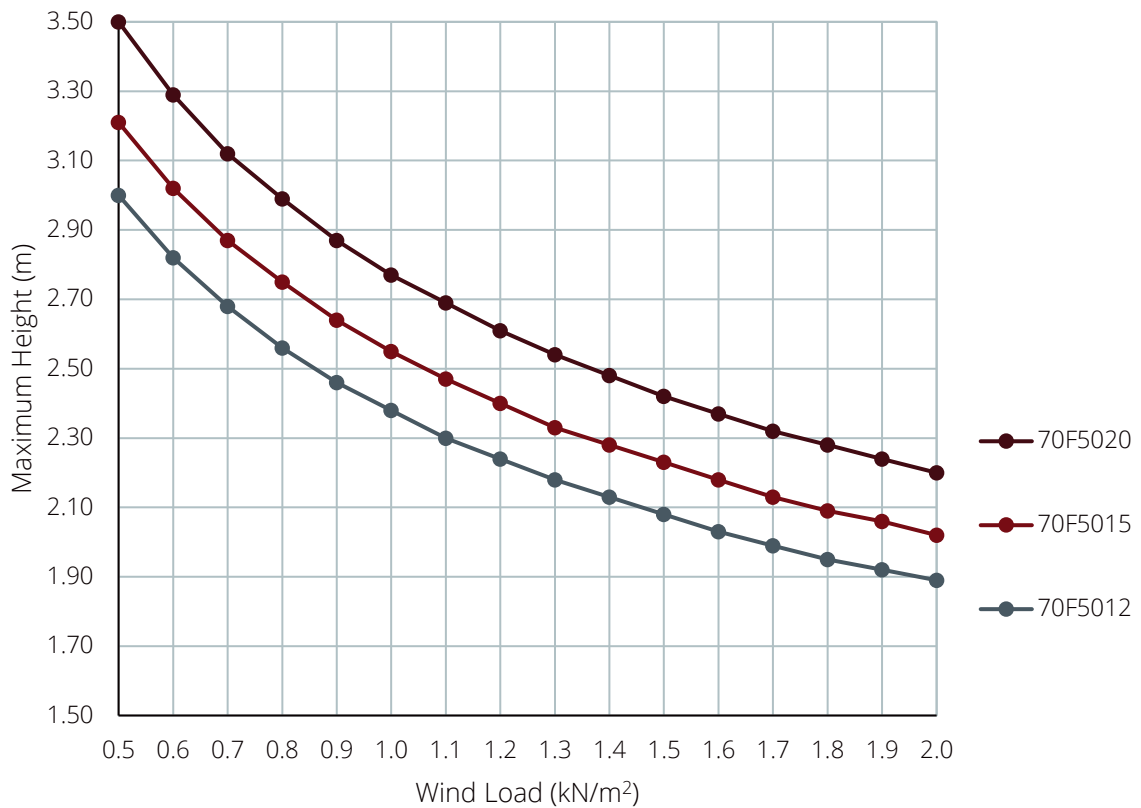


HadleySFS Infill Studs at 600mm CTRS

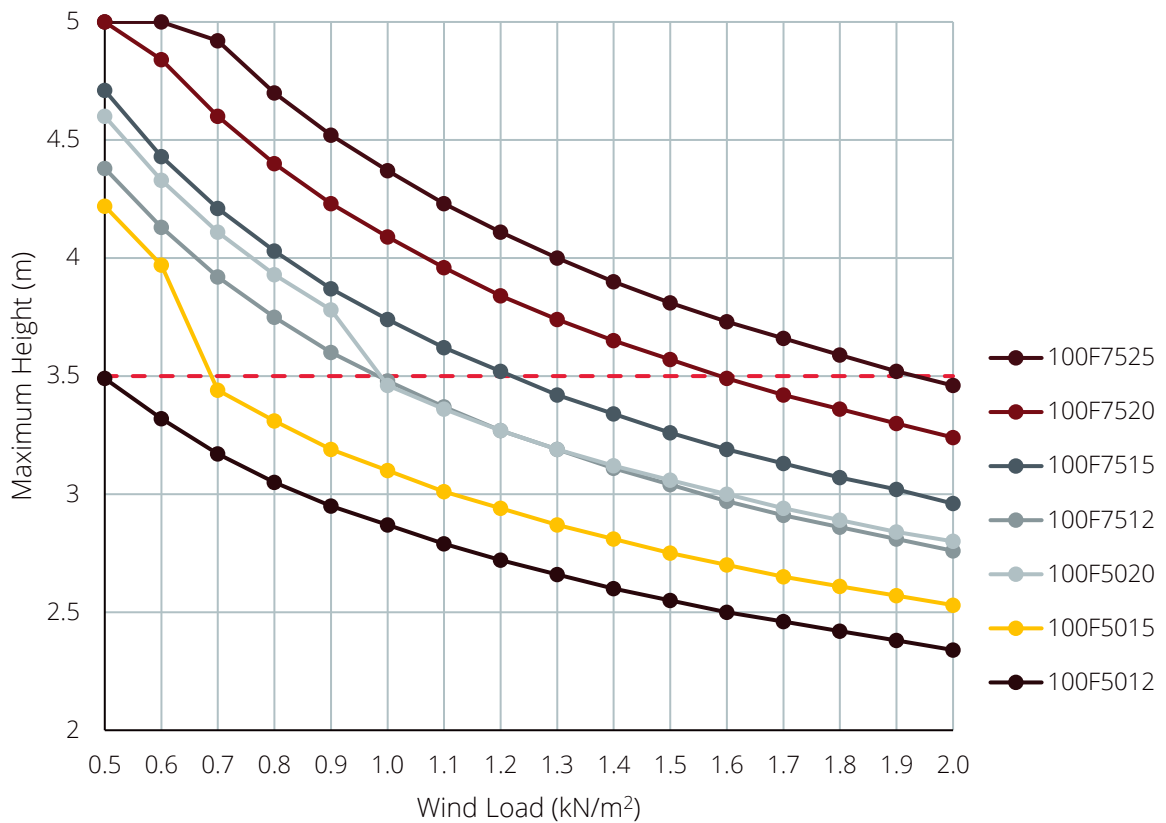
The table below shows the maximum heights achievable by each profile. For the intended applications, spans are limited to 5m where spans greater than this requires a more in-depth analysis. Values in bold show the maximum heights achievable without a midspan noggin restraint. A midspan restraint is recommended for any spans greater than 3.5 m, increasing moment resistance and providing additional stability during the installation of linings and other finishes.

Section Reference	Uniform Horizontal Pressure (kN/m²)															
	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
70F5012	3.00	2.82	2.68	2.56	2.46	2.38	2.30	2.24	2.18	2.13	2.08	2.03	1.99	1.95	1.92	1.89
70F5015	3.21	3.02	2.87	2.75	2.64	2.55	2.47	2.40	2.33	2.28	2.23	2.18	2.13	2.09	2.06	2.02
70F5020	3.50	3.29	3.12	2.99	2.87	2.77	2.69	2.61	2.54	2.48	2.42	2.37	2.32	2.28	2.24	2.20
100F5012	3.49	3.32	3.17	3.05	2.95	2.87	2.79	2.72	2.66	2.60	2.55	2.50	2.46	2.42	2.38	2.34
100F5015	4.22	3.97	3.44	3.31	3.19	3.10	3.01	2.94	2.87	2.81	2.75	2.70	2.65	2.61	2.57	2.53
100F5020	4.60	4.33	4.11	3.93	3.78	3.46	3.36	3.27	3.19	3.12	3.06	3.00	2.94	2.89	2.84	2.80
100F7512	4.38	4.13	3.92	3.75	3.60	3.48	3.37	3.27	3.19	3.11	3.04	2.97	2.91	2.86	2.81	2.76
100F7515	4.71	4.43	4.21	4.03	3.87	3.74	3.62	3.52	3.42	3.34	3.26	3.19	3.13	3.07	3.02	2.96
100F7520	5.00	4.84	4.60	4.40	4.23	4.09	3.96	3.84	3.74	3.65	3.57	3.49	3.42	3.36	3.30	3.24
100F7525	5.00	5.00	4.92	4.70	4.52	4.37	4.23	4.11	4.00	3.90	3.81	3.73	3.66	3.59	3.52	3.46
120F5012	4.53	3.46	3.32	3.19	3.09	3.00	2.92	2.85	2.79	2.73	2.67	2.62	2.58	2.54	2.50	2.46
120F5015	4.85	4.57	4.34	3.45	3.33	3.24	3.15	3.08	3.00	2.94	2.88	2.83	2.78	2.74	2.69	2.66
120F5020	5.00	4.99	4.74	4.53	4.36	4.21	3.49	3.40	3.32	3.25	3.18	3.12	3.07	3.02	2.97	2.92
120F7512	5.00	4.73	4.49	4.30	4.13	3.99	3.86	3.75	3.65	3.56	3.48	3.41	3.34	3.28	3.22	3.16
120F7515	5.00	5.00	4.83	4.62	4.44	4.29	4.15	4.03	3.93	3.83	3.74	3.66	3.59	3.52	3.46	3.40
120F7520	5.00	5.00	5.00	5.00	4.86	4.69	4.54	4.41	4.30	4.19	4.10	4.01	3.93	3.85	3.79	3.72
120F7525	5.00	5.00	5.00	5.00	5.00	5.00	4.86	4.72	4.60	4.49	4.38	4.29	4.20	4.12	4.05	3.98
150F5012	4.90	4.65	4.45	3.39	3.28	3.19	3.11	3.03	2.96	2.90	2.85	2.80	2.75	2.70	2.66	2.62
150F5015	5.00	5.00	4.80	4.61	4.46	3.43	3.34	3.26	3.18	3.12	3.06	3.00	2.95	2.91	2.86	2.82
150F5020	5.00	5.00	5.00	5.00	4.89	4.74	4.62	4.50	4.40	3.43	3.37	3.30	3.25	3.19	3.15	3.10
150F7512	5.00	5.00	5.00	5.00	4.89	4.72	4.57	4.44	4.33	4.22	4.12	4.04	3.96	3.88	3.46	3.41
150F7515	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.78	4.65	4.54	4.43	4.34	4.25	4.17	4.10	4.03
150F7520	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.97	4.86	4.75	4.66	4.57	4.49	4.41
150F7525	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.99	4.89	4.81	4.73
200F7512	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.94	4.83	4.72	4.63	4.54	4.46
200F7515	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.97
200F7520	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
200F7525	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
255F7512	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.98	4.89
255F7515	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
255F7520	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
255F7525	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
305F7520	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
305F7525	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

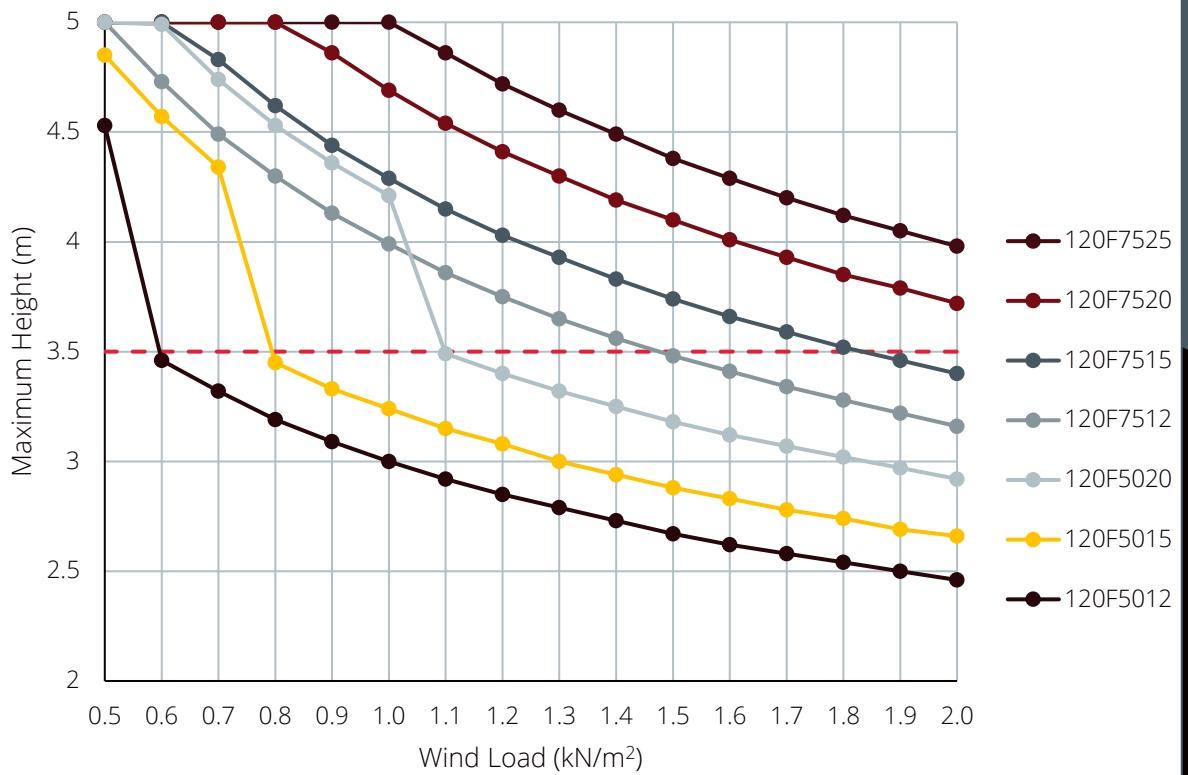
70 mm Web Profiles



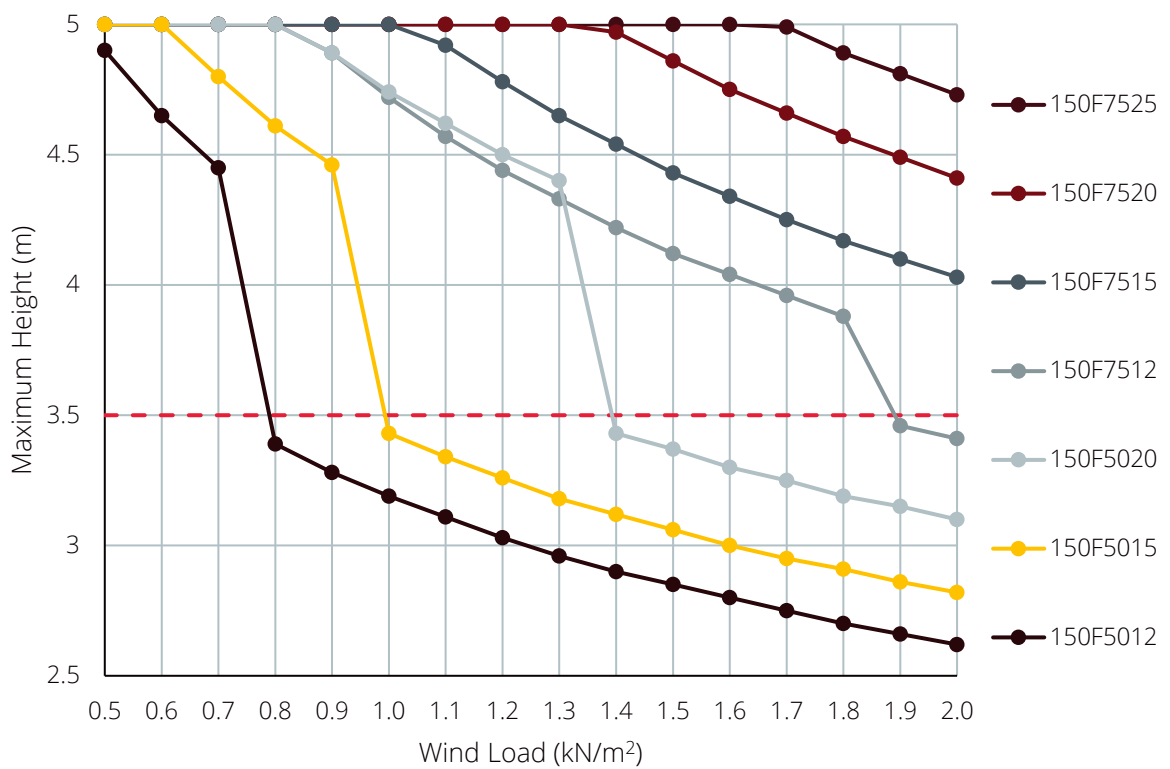
100 mm Web Profiles



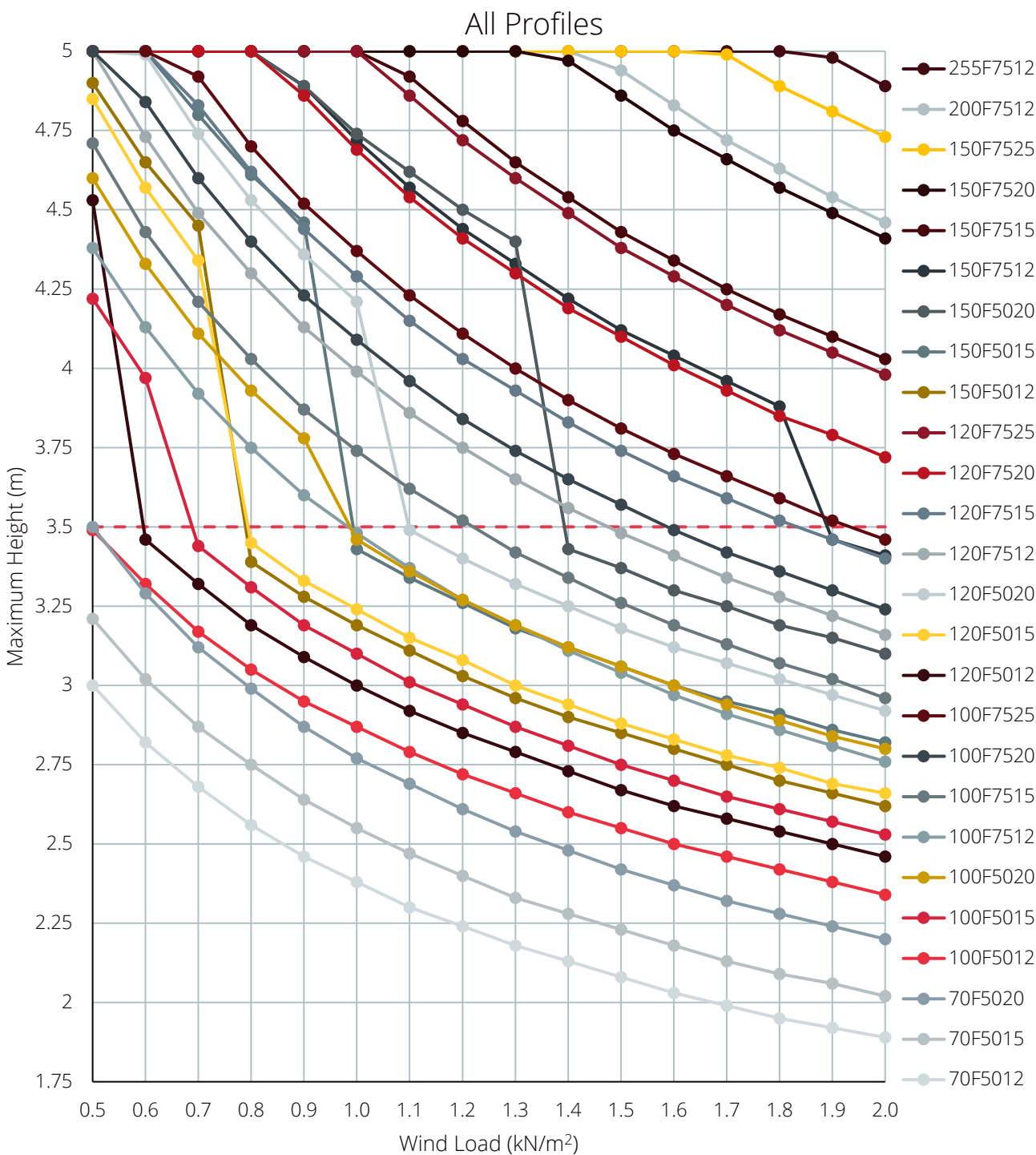
120 mm Web Profiles



150 mm Web Profiles



All 200mm, 255mm and 305mm profiles are excluded from the graph as they achieve a 5 m span for wind loads up to 2.0kN/m².



Version	Date	Prepared	App' HCT #1	App' HCT #2	Notes
1	15/08/2025	DB	SH	JS	First Issue



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