

1000/31 FORWARD: S220 - 0.7mm

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DEFLECTION LIMIT L/200 FOR POSITIVE LOADING (DOWNWARDS, GRAVITY CASE) AND L/150 FOR UPLIFT CASE

Limiting Values (kN/m²)	Gravity	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	5.21	4.31	3.62	3.08	2.66	2.32	2.00	1.67	1.40	1.19	1.02	0.88	0.77	0.67	0.59	0.52	0.47
		Double	3.87	3.31	2.87	2.51	2.21	1.96	1.76	1.58	1.43	1.30	1.19	1.09	1.00	0.93	0.86	0.79	0.73
		Multi	4.67	4.00	3.47	3.04	2.68	2.39	2.14	1.93	1.75	1.59	1.45	1.33	1.23	1.12	0.99	0.87	0.78
	Uplift	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	4.93	4.08	3.43	2.92	2.52	2.19	1.93	1.71	1.52	1.37	1.21	1.05	0.91	0.80	0.70	0.62	0.55
		Double	4.00	3.43	2.97	2.60	2.30	2.04	1.83	1.65	1.49	1.36	1.24	1.14	1.05	0.97	0.90	0.83	0.77
		Multi	4.82	4.14	3.59	3.15	2.78	2.48	2.22	2.00	1.82	1.65	1.51	1.39	1.28	1.18	1.10	1.02	0.92

DEFLECTION LIMIT L/150 FOR BOTH POSITIVE AND NEGATIVE LOADING

Limiting Values (kN/m²)	Gravity	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	5.21	4.31	3.62	3.08	2.66	2.32	2.04	1.80	1.61	1.44	1.30	1.18	1.03	0.90	0.79	0.70	0.62
		Double	3.87	3.31	2.87	2.51	2.21	1.96	1.76	1.58	1.43	1.30	1.19	1.09	1.00	0.93	0.86	0.79	0.73
		Multi	4.67	4.00	3.47	3.04	2.68	2.39	2.14	1.93	1.75	1.59	1.45	1.33	1.23	1.14	1.05	0.98	0.91
	Uplift	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	4.93	4.08	3.43	2.92	2.52	2.19	1.93	1.71	1.52	1.37	1.21	1.05	0.91	0.80	0.70	0.62	0.55
		Double	4.00	3.43	2.97	2.60	2.30	2.04	1.83	1.65	1.49	1.36	1.24	1.14	1.05	0.97	0.90	0.83	0.77
		Multi	4.82	4.14	3.59	3.15	2.78	2.48	2.22	2.00	1.82	1.65	1.51	1.39	1.28	1.18	1.10	1.02	0.92

These tables have been produced by SCI on behalf of Thomas Panels and Profiles in accordance with BS EN 1993-1-3:2006. The loads presented in the tables below represent the total characteristic load that can be applied to the profile for a given span. In design, this value must include the self-weight of the profile along with any other permanent or imposed loads.

1000/31 FORWARD: LOAD SPAN TABLE

1000/31 FORWARD: S220 - 0.5mm

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DEFLECTION LIMIT L/200 FOR POSITIVE LOADING (DOWNWARDS, GRAVITY CASE) AND L/150 FOR UPLIFT CASE

Limiting Values (kN/m²)	Gravity	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	3.42	2.83	2.38	2.03	1.75	1.52	1.34	1.12	0.95	0.80	0.69	0.60	0.52	0.45	0.40	0.35	0.31
		Double	2.34	2.01	1.75	1.54	1.36	1.21	1.09	0.98	0.89	0.81	0.75	0.69	0.63	0.58	0.54	0.50	0.47
		Multi	2.80	2.42	2.11	1.85	1.64	1.47	1.32	1.19	1.08	0.99	0.91	0.83	0.77	0.71	0.66	0.59	0.52
	Uplift	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	3.29	2.72	2.28	1.95	1.68	1.46	1.28	1.14	1.01	0.91	0.79	0.68	0.59	0.52	0.45	0.40	0.36
		Double	2.39	2.06	1.79	1.58	1.40	1.25	1.12	1.01	0.92	0.84	0.77	0.71	0.65	0.60	0.56	0.52	0.49
		Multi	2.87	2.47	2.16	1.90	1.69	1.51	1.36	1.23	1.11	1.02	0.93	0.86	0.79	0.73	0.68	0.64	0.59

DEFLECTION LIMIT L/150 FOR BOTH POSITIVE AND NEGATIVE LOADING

Limiting Values (kN/m²)	Gravity	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	3.42	2.83	2.38	2.03	1.75	1.52	1.34	1.18	1.06	0.95	0.86	0.78	0.69	0.60	0.53	0.47	0.42
		Double	2.34	2.01	1.75	1.54	1.36	1.21	1.09	0.98	0.89	0.81	0.75	0.69	0.63	0.58	0.54	0.50	0.47
		Multi	2.80	2.42	2.11	1.85	1.64	1.47	1.32	1.19	1.08	0.99	0.91	0.83	0.77	0.71	0.66	0.62	0.58
	Uplift	Span (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
		Single	3.29	2.72	2.28	1.95	1.68	1.46	1.28	1.14	1.01	0.91	0.79	0.68	0.59	0.52	0.45	0.40	0.36
		Double	2.39	2.06	1.79	1.58	1.40	1.25	1.12	1.01	0.92	0.84	0.77	0.71	0.65	0.60	0.56	0.52	0.49
		Multi	2.87	2.47	2.16	1.90	1.69	1.51	1.36	1.23	1.11	1.02	0.93	0.86	0.79	0.73	0.68	0.64	0.59

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1000/31 FORWARD: LOAD SPAN TABLE