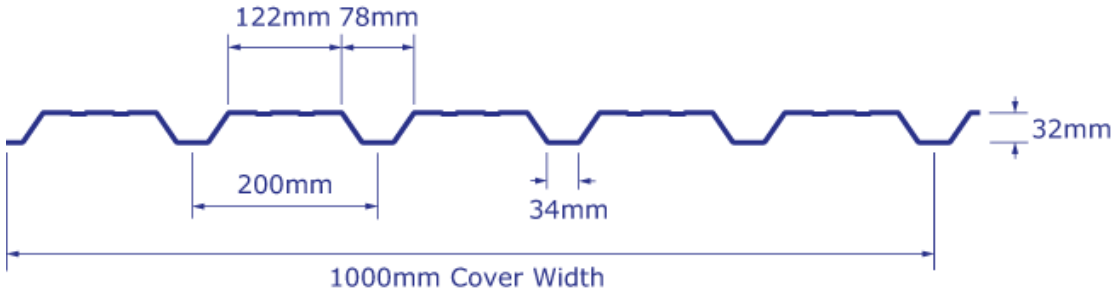




1000 / 32 Prodeck Roof Decking Load Table (0.7mm)



The Span Tables below have been created in accordance with EN 1993-1-3 (Eurocode EC3) and calculated by the Steel Construction Institute (SCI). The values are based on a maximum permitted deflection of Span/200 under imposed load.

Load factor (working load to ultimate):	1.5 (in accordance with Eurocode).
Deflection for limit of span:	L/200

GRAVITY parameters	0.7mm
Bottom flange in compression	
Moment capacity (kNm/m)	1.391
Inertia (cm ⁴ /m)	11.214
Bottom flange in tension	
Moment capacity (kNm/m)	1.532
Inertia (cm ⁴ /m)	11.083
Shear resistance (kN/m)	41.623
Web crushing mid (kN/m)	11.03
Web crushing end (kN/m)	5.515
Inertia gross section (cm ⁴ /m)	12.335

Prodeck 1000 / 32 - 0.7mmSpan / Load Table - GRAVITY - Working load UDL (kN / m²)

GRAVITY		Span in Metres												
Span Type	Design Case	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
Single	Moment	8.17	6.75	5.67	4.83	4.17	3.63	3.19	2.83	2.52	2.26	2.04	1.85	1.69
	Inertia	9.27	6.97	5.37	4.22	3.38	2.75	2.26	1.89	1.59	1.35	1.16	1.00	0.87
	Reaction	7.35	6.68	6.13	5.66	5.25	4.90	4.60	4.33	4.09	3.87	3.68	3.50	3.34
	Limiting	7.35	6.68	5.37	4.22	3.38	2.75	2.26	1.89	1.59	1.35	1.16	1.00	0.87
Double	Moment	7.42	6.13	5.15	4.39	3.79	3.30	2.90	2.57	2.29	2.06	1.85	1.68	1.53
	Inertia	15.46	11.61	8.94	7.04	5.63	4.58	3.77	3.15	2.65	2.25	1.93	1.67	1.45
	Reaction	5.88	5.35	4.90	4.53	4.20	3.92	3.68	3.46	3.27	3.10	2.94	2.80	2.67
	Interaction	4.10	3.57	3.14	2.79	2.49	2.24	2.03	1.84	1.68	1.54	1.42	1.31	1.22
	Limiting	4.10	3.57	3.14	2.79	2.49	2.24	2.03	1.84	1.68	1.54	1.42	1.31	1.22
Multiple	Moment	9.27	7.66	6.44	5.49	4.73	4.12	3.62	3.21	2.86	2.57	2.32	2.10	1.92
	Inertia	15.46	11.61	8.94	7.04	5.63	4.58	3.77	3.15	2.65	2.25	1.93	1.67	1.45
	Reaction	6.68	6.08	5.57	5.14	4.77	4.46	4.18	3.93	3.71	3.52	3.34	3.18	3.04
	Interaction	4.86	4.24	3.73	3.32	2.97	2.68	2.43	2.21	2.02	1.86	1.71	1.58	1.47
	Limiting	4.86	4.24	3.73	3.32	2.97	2.68	2.43	2.21	2.02	1.86	1.71	1.58	1.45

Prodeck 1000 / 32 - 0.7mmSpan / Load Table - UPLIFT - Working load UDL (kN / m²)

UPLIFT		Span in Metres												
Span Type	Design Case	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
Single	Moment	7.42	6.13	5.15	4.39	3.79	3.30	2.90	2.57	2.29	2.06	1.85	1.68	1.53
	Inertia	9.34	7.02	5.41	4.25	3.41	2.77	2.28	1.90	1.60	1.36	1.17	1.01	0.88
	Reaction	7.35	6.68	6.13	5.66	5.25	4.90	4.60	4.33	4.09	3.87	3.68	3.50	3.34
	Limiting	7.35	6.13	5.15	4.25	3.41	2.77	2.28	1.90	1.60	1.36	1.17	1.01	0.88
Double	Moment	8.17	6.75	5.67	4.83	4.17	3.63	3.19	2.83	2.52	2.26	2.04	1.85	1.69
	Inertia	15.57	11.70	9.01	7.09	5.68	4.61	3.80	3.17	2.67	2.27	1.95	1.68	1.46
	Reaction	5.88	5.35	4.90	4.53	4.20	3.92	3.68	3.46	3.27	3.10	2.94	2.80	2.67
	Interaction	4.28	3.73	3.29	2.92	2.62	2.36	2.14	1.94	1.78	1.63	1.51	1.39	1.29
	Limiting	4.28	3.73	3.29	2.92	2.62	2.36	2.14	1.94	1.78	1.63	1.51	1.39	1.29
Multiple	Moment	10.21	8.44	7.09	6.04	5.21	4.54	3.99	3.53	3.15	2.83	2.55	2.32	2.11
	Inertia	15.57	11.70	9.01	7.09	5.68	4.61	3.80	3.17	2.67	2.27	1.95	1.68	1.46
	Reaction	6.68	6.08	5.57	5.14	4.77	4.46	4.18	3.93	3.71	3.52	3.34	3.18	3.04
	Interaction	5.05	4.42	3.90	3.47	3.11	2.81	2.55	2.33	2.13	1.96	1.81	1.68	1.56
	Limiting	5.05	4.42	3.90	3.47	3.11	2.81	2.55	2.33	2.13	1.96	1.81	1.68	1.46



'SCI Assessed Quality Mark'. This mark testifies that the [Steel Construction Institute \(SCI\)](#) has independently verified the technical data above.

- [1000/32 0.75mm Roof Decking Load Table](#)
- [1000/32 0.9mm Roof Decking Load Table](#)
- [1000/32 1.2mm Roof Decking Load Table](#)
- [800/66 0.7mm Roof Decking Load Table](#)
- [800/66 0.75mm Roof Decking Load Table](#)
- [800/66 0.9mm Roof Decking Load Table](#)
- [800/66 1.2mm Roof Decking Load Table](#)

Figures and Comments given here are given for guidance purposes only. While care has been taken to ensure accuracy Duggan Profiles & Steel Service Centre Ltd. and its related companies do not accept liability for errors / or omissions. Customers should satisfy themselves of the suitability of the products supplied or manufactured by Duggan Profiles & Steel Service Centre Ltd. for the use intended.