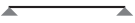



Multideck 80-V2 Lightweight Concrete Load Tables



Unpropped - Load/Span Table (Steel - 350N/mm²)

Span (m) (see diagram page 27)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 1.0					
			Total Applied Load (kN/m ²) SLS					
			4.0	6.0	8.0	10.0	12.0	14.0
	130 LWC	A142	4.19	3.66	3.32	3.25	2.98	2.75
	140 LWC	A142	4.14	3.90	3.55	3.48	3.16	2.91
	150 LWC	A142	4.05	4.05	3.77	3.66	3.32	3.06
	160 LWC	A142	3.96	3.96	3.96	3.84	3.49	3.21
	175 LWC	A142	3.85	3.85	3.85	3.85	3.72	3.42
	200 LWC	A193	3.69	3.69	3.69	3.69	3.69	3.69
	250 LWC	A252	3.40	3.40	3.40	3.40	3.40	3.40
	130 LWC	A142	4.19	3.90	3.70	3.28	2.98	2.75
	140 LWC	A142	4.47	4.20	3.92	3.48	3.16	2.91
	150 LWC	A142	4.55	4.50	4.13	3.66	3.32	3.06
	160 LWC	A142	4.44	4.44	4.33	3.84	3.49	3.21
	175 LWC	A142	4.28	4.28	4.28	4.10	3.72	3.42
	200 LWC	A193	4.06	4.06	4.06	4.06	4.06	3.75
	250 LWC	A252	3.70	3.70	3.70	3.70	3.70	3.70

Propped - Load/Span Table (Steel - 350N/mm²)

Span (m) (see diagram page 27)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 1.0					
			Total Applied Load (kN/m ²) SLS					
			4.0	6.0	8.0	10.0	12.0	14.0
	130 LWC	A142	★	★	★	★	★	★
	140 LWC	A142	★	★	★	★	★	★
	150 LWC	A142	4.65	★	★	★	★	★
	160 LWC	A142	4.89	★	★	★	★	★
	175 LWC	A142	5.25	4.58	★	★	★	★
	200 LWC	A193	5.68	4.91	4.38	★	★	★
	250 LWC	A252	6.22	5.44	4.89	4.48	4.15	3.76
	200 LWC	A193	★	★	★	★	★	★
	250 LWC	A252	★	★	★	★	★	★

Notes:

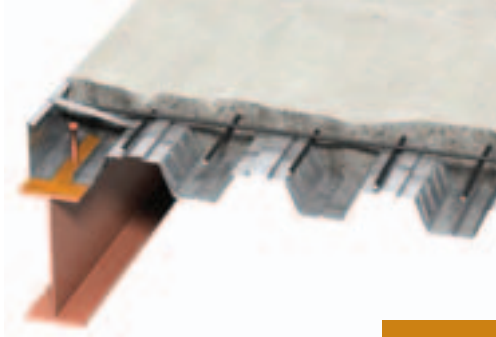
Total applied load referred to in the above table is a working load based on factored combinations of live loads, finishes, ceilings, services and partitions, divided by a load factor of 1.60 (excluding slab self weight).

Figures in red are maximum permissible spans in situations where there is one stud per trough.

Permanent Support ▲ Temporary Support ↑

Multideck 80-V2

Lightweight Concrete Load Tables



Unpropped - Load/Span Table (Steel - 350N/mm²)

Span (m) (see diagram page 27)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 1.1mm						Gauge = 1.2mm					
			Total Applied Load (kN/m ²) SLS											
			4.0	6.0	8.0	10.0	12.0	14.0	4.0	6.0	8.0	10.0	12.0	14.0
	130 LWC A142	A142	4.25	3.71	3.37	3.25	3.11	2.87	4.28	3.73	3.39	3.25	3.21	2.96
	140 LWC A142	A142	4.25	3.96	3.60	3.50	3.30	3.04	4.34	3.98	3.62	3.50	3.40	3.14
	150 LWC A142	A142	4.15	4.15	3.82	3.75	3.47	3.20	4.24	4.23	3.85	3.75	3.59	3.31
	160 LWC A142	A142	4.06	4.06	4.06	4.00	3.64	3.36	4.15	4.15	4.08	4.00	3.77	3.47
	175 LWC A142	A142	3.95	3.95	3.95	3.95	3.88	3.58	4.03	4.03	4.03	4.03	4.02	3.70
	200 LWC A193	A193	3.79	3.79	3.79	3.79	3.79	3.79	3.87	3.87	3.87	3.87	3.87	3.87
250 LWC A252	A252	3.52	3.52	3.52	3.52	3.52	3.52	3.62	3.62	3.62	3.62	3.62	3.62	
	130 LWC A142	A142	4.25	3.90	3.86	3.43	3.11	2.87	4.28	3.90	3.90	3.53	3.21	2.96
	140 LWC A142	A142	4.53	4.20	4.09	3.63	3.30	3.04	4.56	4.20	4.20	3.75	3.40	3.14
	150 LWC A142	A142	4.82	4.50	4.21	3.83	3.47	3.20	4.85	4.50	4.45	3.95	3.59	3.31
	160 LWC A142	A142	4.73	4.73	4.52	4.01	3.64	3.36	5.00	4.80	4.67	4.15	3.77	3.47
	175 LWC A142	A142	4.56	4.56	4.56	4.28	3.88	3.58	4.83	4.83	4.83	4.43	4.02	3.70
	200 LWC A193	A193	4.32	4.32	4.32	4.32	4.26	3.92	4.58	4.58	4.58	4.58	4.41	4.06
	250 LWC A252	A252	3.94	3.94	3.94	3.94	3.94	3.94	4.17	4.17	4.17	4.17	4.17	4.17

Propped - Load/Span Table (Steel - 350N/mm²)

Span (m) (see diagram page 27)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 1.1mm						Gauge = 1.2mm					
			Total Applied Load (kN/m ²) SLS											
			4.0	6.0	8.0	10.0	12.0	14.0	4.0	6.0	8.0	10.0	12.0	14.0
	130 LWC A142	A142	★	★	★	★	★	★	★	★	★	★	★	★
	140 LWC A142	A142	★	★	★	★	★	★	★	★	★	★	★	★
	150 LWC A142	A142	★	★	★	★	★	★	★	★	★	★	★	★
	160 LWC A142	A142	4.95	★	★	★	★	★	★	★	★	★	★	★
	175 LWC A142	A142	5.31	4.78	★	★	★	★	5.33	4.94	★	★	★	★
	200 LWC A193	A193	5.92	5.12	4.57	★	★	★	6.00	5.30	4.73	★	★	★
	250 LWC A252	A252	6.49	5.68	5.11	4.68	4.34	★	6.71	5.88	5.29	4.85	4.50	★
	250 LWC A252	A252	7.11	6.23	5.61	5.06	4.40	★	7.30	6.40	5.77	5.19	4.51	★

Notes:

Total applied load referred to in the above table is a working load based on factored combinations of live loads, finishes, ceilings, services and partitions, divided by a load factor of 1.60 (excluding slab self weight).

Figures in red are maximum permissible spans in situations where there is one stud per trough.

Permanent Support ▲ Temporary Support ↑

Multideck 80-V2