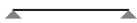



Multideck 50-V2

Normal Weight Concrete Load Tables

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

Span (m) (see diagram page 41)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 0.9mm					
			Total Applied Load (kN/m ²) SLS					
			4.0	6.0	8.0	10.0	12.0	14.0
	100	A98	3.00	3.00	3.00	3.00	3.00	3.00
	110	A98	2.91	2.91	2.91	2.91	2.91	2.91
	120	A142	2.82	2.82	2.82	2.82	2.82	2.82
	130	A142	2.75	2.75	2.75	2.75	2.75	2.75
	140	A142	2.69	2.69	2.69	2.69	2.69	2.69
	150	A142	2.63	2.63	2.63	2.63	2.63	2.63
	160	A193	2.57	2.57	2.57	2.57	2.57	2.57
	175	A193	2.49	2.49	2.49	2.49	2.49	2.49
	200	A193	2.36	2.36	2.36	2.36	2.36	2.36
	250	A252	2.16	2.16	2.16	2.16	2.16	2.16
	100	A98	3.29	3.29	3.29	3.29	3.29	3.19
	110	A98	3.20	3.20	3.20	3.20	3.20	3.20
	120	A142	3.12	3.12	3.12	3.12	3.12	3.12
	130	A142	3.04	3.04	3.04	3.04	3.04	3.04
	140	A142	2.96	2.96	2.96	2.96	2.96	2.96
	150	A142	2.88	2.88	2.88	2.88	2.88	2.88
	160	A193	2.81	2.81	2.81	2.81	2.81	2.81
	175	A193	2.71	2.71	2.71	2.71	2.71	2.71
	200	A193	2.57	2.57	2.57	2.57	2.57	2.57
	250	A252	2.34	2.34	2.34	2.34	2.34	2.34

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

Span (m) (see diagram page 41)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 0.9mm					
			Total Applied Load (kN/m ²) SLS					
			4.0	6.0	8.0	10.0	12.0	14.0
	100	A98	3.85	3.50	3.50	3.50	3.41	★
	110	A98	4.14	3.85	3.85	3.85	3.62	3.39
	120	A142	4.42	4.20	4.20	4.10	3.79	3.55
	130	A142	4.70	4.55	4.55	4.27	3.95	3.70
	140	A142	4.97	4.90	4.83	4.42	4.10	3.84
	150	A142	5.25	5.25	4.98	4.57	4.24	3.97
	160	A193	5.57	5.57	5.13	4.71	4.37	4.10
	175	A193	5.37	5.37	5.33	4.90	4.56	4.28
	200	A193	5.09	5.09	5.09	5.09	4.84	4.55
	250	A252	4.65	4.65	4.65	4.65	4.65	4.65
	160	A193	5.60	5.60	★	★	★	★
	175	A193	6.12	5.89	★	★	★	★
	200	A193	6.97	6.20	5.63	5.19	★	★
	250	A252	6.94	6.69	6.13	5.68	5.32	5.02

Notes:

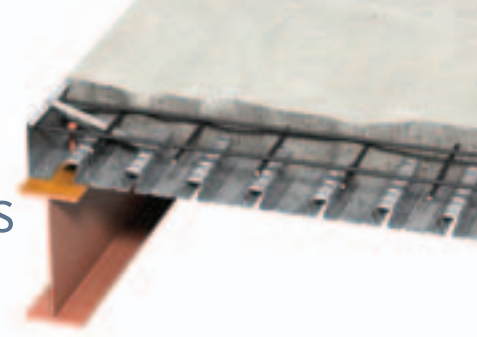
Total applied load referred to in the above table is a working load based on factored combinations of live loads, finishes, ceilings, services and partitions, divided by a load factor of 1.60 (excluding slab self weight).

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

Permanent Support ▲ Temporary Support ↑

Multideck 50-V2

Normal Weight Concrete Load Tables



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

Span (m) (see diagram page 41)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 1.0mm						Gauge = 1.2mm					
			Total Applied Load (kN/m ²) SLS						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
	100	A98	3.08	3.08	3.08	3.00	3.00	3.00	3.34	3.34	3.31	3.07	3.00	3.00
	110	A98	2.99	2.99	2.99	2.99	2.99	2.99	3.24	3.24	3.24	3.24	3.24	3.24
	120	A142	2.91	2.91	2.91	2.91	2.91	2.91	3.15	3.15	3.15	3.15	3.15	3.15
	130	A142	2.83	2.83	2.83	2.83	2.83	2.83	3.07	3.07	3.07	3.07	3.07	3.07
	140	A142	2.76	2.76	2.76	2.76	2.76	2.76	2.99	2.99	2.99	2.99	2.99	2.99
	150	A142	2.70	2.70	2.70	2.70	2.70	2.70	2.93	2.93	2.93	2.93	2.93	2.93
	160	A193	2.65	2.65	2.65	2.65	2.65	2.65	2.87	2.87	2.87	2.87	2.87	2.87
	175	A193	2.57	2.57	2.57	2.57	2.57	2.57	2.78	2.78	2.78	2.78	2.78	2.78
	200	A193	2.46	2.46	2.46	2.46	2.46	2.46	2.67	2.67	2.67	2.67	2.67	2.67
250	A252	2.29	2.29	2.29	2.29	2.29	2.29	2.48	2.48	2.48	2.48	2.48	2.48	
	100	A98	3.53	3.53	3.50	3.50	3.38	3.17	3.87	3.64	3.50	3.50	3.37	3.16
	110	A98	3.44	3.44	3.44	3.44	3.44	3.44	3.77	3.77	3.77	3.77	3.73	3.52
	120	A142	3.35	3.35	3.35	3.35	3.35	3.35	3.67	3.67	3.67	3.67	3.67	3.67
	130	A142	3.27	3.27	3.27	3.27	3.27	3.27	3.58	3.58	3.58	3.58	3.58	3.58
	140	A142	3.19	3.19	3.19	3.19	3.19	3.19	3.50	3.50	3.50	3.50	3.50	3.50
	150	A142	3.12	3.12	3.12	3.12	3.12	3.12	3.42	3.42	3.42	3.42	3.42	3.42
	160	A193	3.05	3.05	3.05	3.05	3.05	3.05	3.35	3.35	3.35	3.35	3.35	3.35
	175	A193	2.94	2.94	2.94	2.94	2.94	2.94	3.25	3.25	3.25	3.25	3.25	3.25
	200	A193	2.79	2.79	2.79	2.79	2.79	2.79	3.10	3.10	3.10	3.10	3.10	3.10
250	A252	2.54	2.54	2.54	2.54	2.54	2.54	2.83	2.83	2.83	2.83	2.83	2.83	

Multideck 50-V2

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

Span (m) (see diagram page 41)

Span Type (Support Condition)	Slab Depth (mm)	Min Mesh Size	Gauge = 1.0mm						Gauge = 1.2mm					
			Total Applied Load (kN/m ²) SLS						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
	100	A98	3.90	3.55	★	★	★	★	4.00	★	★	★	★	★
	110	A98	4.19	3.85	3.85	3.85	3.78	3.54	4.30	3.93	3.85	3.85	3.76	★
	120	A142	4.48	4.20	4.20	4.20	3.99	3.73	4.59	4.21	4.20	4.20	4.13	3.87
	130	A142	4.76	4.55	4.55	4.49	4.16	3.89	4.88	4.55	4.55	4.55	4.51	4.23
	140	A142	5.04	4.90	4.90	4.65	4.31	4.04	5.16	4.90	4.90	4.90	4.71	4.42
	150	A142	5.31	5.25	5.24	4.81	4.46	4.18	5.43	5.25	5.25	5.25	4.88	4.57
	160	A193	5.60	5.60	5.39	4.95	4.60	4.32	5.70	5.60	5.60	5.41	5.03	4.72
	175	A193	5.84	5.84	5.61	5.16	4.80	4.50	6.12	6.12	6.12	5.63	5.24	4.92
	200	A193	5.53	5.53	5.53	5.46	5.09	4.79	6.15	6.15	6.15	5.97	5.57	5.24
250	A252	5.04	5.04	5.04	5.04	5.04	5.04	5.61	5.61	5.61	5.61	5.61	5.61	
	160	A193	★	★	★	★	★	★	★	★	★	★	★	★
	175	A193	6.12	6.12	★	★	★	★	★	★	★	★	★	★
	200	A193	7.00	6.52	5.92	★	★	★	7.00	7.00	6.46	★	★	★
	250	A252	7.54	7.04	6.45	5.98	5.60	5.28	8.39	7.68	7.04	6.53	6.12	5.78