



Multideck 80-V2

Normal Weight 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	A142	4.03	3.90	3.70	3.28	2.98	2.75
	140	A142	3.93	3.93	3.92	3.48	3.16	2.91
	150	A142	3.84	3.84	3.84	3.66	3.32	3.06
	160	A142	3.75	3.75	3.75	3.75	3.49	3.21
	175	A142	3.65	3.65	3.65	3.65	3.65	3.42
	200	A193	3.45	3.45	3.45	3.45	3.45	3.45
	250	A252	3.16	3.16	3.16	3.16	3.16	3.16
	130	A142	4.53	4.31	3.70	3.28	2.98	2.75
	140	A142	4.39	4.39	3.92	3.48	3.16	2.91
	150	A142	4.26	4.26	4.13	3.66	3.32	3.06
	160	A142	4.15	4.15	4.15	3.84	3.49	3.21
	175	A142	3.99	3.99	3.99	3.99	3.72	3.42
	200	A193	3.76	3.76	3.76	3.76	3.76	3.75
	250	A252	3.40	3.40	3.40	3.40	3.40	3.40

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	A142	★	★	★	★	★	★
	140	A142	4.56	★	★	★	★	★
	150	A142	4.73	★	★	★	★	★
	160	A142	4.87	4.52	★	★	★	★
	175	A142	5.08	4.41	★	★	★	★
	200	A193	5.36	4.70	4.22	3.87	★	★
	250	A252	5.81	5.16	4.68	4.31	4.02	3.78
	200	A193	★	★	★	★	★	★
	250	A252	★	★	★	★	★	★

Notes:

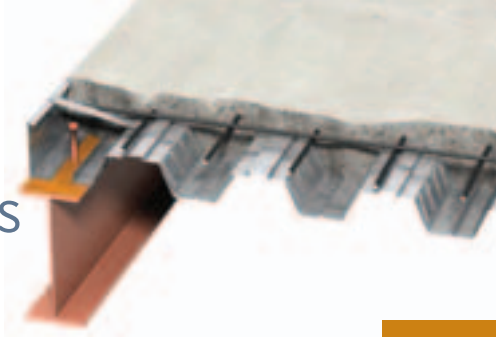
Total applied load referred to in the above table is a working load based on factored combinations of live loads, finishes, ceilings, services and partitions, divided by a load factor of 1.60 (excluding slab self weight).

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

Permanent Support ▲ Temporary Support ↑

Multideck 80-V2

Normal Weight 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	A142	4.13	3.93	3.86	3.43	3.11	2.87	4.22	3.95	3.90	3.53	3.21	2.96
	140	A142	4.03	4.03	4.03	3.63	3.30	3.04	4.11	4.11	4.11	3.75	3.40	3.14
						3.99	3.63	3.34				4.08	3.71	3.42
	150	A142	3.93	3.93	3.93	3.83	3.47	3.20	4.02	4.02	4.02	3.95	3.59	3.31
						3.93	3.83	3.53				4.02	3.92	3.61
	160	A142	3.85	3.85	3.85	3.85	3.64	3.36	3.93	3.93	3.93	3.93	3.77	3.47
							3.85	3.70					3.93	3.80
175	A142	3.74	3.74	3.74	3.74	3.74	3.58	3.82	3.82	3.82	3.82	3.82	3.70	
							3.74						3.82	
200	A193	3.58	3.58	3.58	3.58	3.58	3.58	3.66	3.66	3.66	3.66	3.66	3.66	
250	A252	3.27	3.27	3.27	3.27	3.27	3.27	3.37	3.37	3.37	3.37	3.37	3.37	
	130	A142	4.55	4.50	3.86	3.43	3.11	2.87	4.55	4.55	3.98	3.53	3.21	2.96
	140	A142	4.68	4.68	4.09	3.63	3.30	3.04	4.90	4.90	4.22	3.75	3.40	3.14
					4.44	3.99	3.63	3.34				4.53	4.08	3.71
	150	A142	4.54	4.54	4.31	3.83	3.47	3.20	4.81	4.81	4.45	3.95	3.59	3.31
					4.54	4.21	3.83	3.53				4.73	4.31	3.92
	160	A142	4.42	4.42	4.42	4.01	3.64	3.36	4.68	4.68	4.67	4.15	3.77	3.47
						4.42	4.02	3.70				4.68	4.53	4.12
175	A142	4.25	4.25	4.25	4.25	3.88	3.58	4.50	4.50	4.50	4.43	4.02	3.70	
						4.25	3.95				4.50	4.40	4.06	
200	A193	4.01	4.01	4.01	4.01	4.01	3.92	4.24	4.24	4.24	4.24	4.24	4.06	
							4.01						4.24	
250	A252	3.62	3.62	3.62	3.62	3.62	3.62	3.84	3.84	3.84	3.84	3.84	3.84	

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	A142	★	★	★	★	★	★	★	★	★	★	★	★
	140	A142	4.76	★	★	★	★	★	★	★	★	★	★	★
			4.90											
	150	A142	4.93	★	★	★	★	★	5.08	★	★	★	★	★
			5.25	4.67					5.25					
	160	A142	5.08	★	★	★	★	★	5.24	★	★	★	★	★
			5.59	4.84					5.60	4.95				
175	A142	5.29	4.60	★	★	★	★	5.47	4.75	★	★	★	★	
		5.84	5.08	4.55				5.97	5.20	4.66				
200	A193	5.59	4.90	4.41	4.04	★	★	5.78	5.07	4.57	★	★	★	
		6.18	5.42	4.88	4.47	4.15		6.33	5.56	5.01	4.59	4.26		
250	A252	6.06	5.38	4.89	4.51	4.20	3.95	6.27	5.58	5.07	4.67	4.35	4.09	
		6.71	5.96	5.42	5.00	4.66	4.36	6.89	6.13	5.57	5.14	4.79	4.51	
	200	A193	★	★	★	★	★	★	★	★	★	★	★	★
	250	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