

Single Span Load Tables for Multichannel Floor Beams

Table 4:11 Multichannel Floor Beams Single Span on Cleats

Span (m)	Section	Weight kg/m	Ultimate Allowable Load kN	Deflection Limit L/250 kN	Deflection Limit L/360 kN
3.0	L145070120	2.75	14.93	8.78	7.32
	L145070130	2.99	17.04	9.51	7.92
	L145070140	3.21	19.22	10.22	8.52
	L145070150	3.45	21.43	10.93	9.11
	L145070160	3.69	23.64	11.64	9.70
	L145070180	4.15	28.04	13.03	10.86
	L145070200	4.63	32.25	14.41	12.00
	L175070120	3.02	17.84	13.54	11.28
	L175070130	3.29	20.80	14.66	12.21
	L175070140	3.52	23.53	15.76	13.14
	L175070150	3.79	26.30	16.87	14.05
	L175070160	4.05	29.08	17.96	14.97
	L175070180	4.55	34.58	20.12	16.77
	L175070200	5.08	39.86	22.26	18.55
	3.5	L145070120	2.75	12.80	6.45
L145070130		2.99	14.61	6.98	5.82
L145070140		3.21	16.47	7.51	6.26
L145070150		3.45	18.37	8.03	6.69
L145070160		3.69	20.27	8.55	7.12
L145070180		4.15	24.03	9.57	7.98
L145070200		4.63	27.65	10.58	8.82
L175070120		3.02	15.54	9.95	8.29
L175070130		3.29	17.83	10.77	8.97
L175070140		3.52	20.17	11.58	9.65
L175070150		3.79	22.55	12.39	10.33
L175070160		4.05	24.92	13.19	11.00
L175070180		4.55	29.64	14.78	12.32
L175070200		5.08	34.17	16.35	13.62
4.0		L145070120	2.75	11.20	4.94
	L145070130	2.99	12.78	5.35	4.46
	L145070140	3.21	14.41	5.75	4.79
	L145070150	3.45	16.07	6.15	5.12
	L145070160	3.69	17.73	6.55	5.45
	L145070180	4.15	21.02	7.33	6.11
	L145070200	4.63	24.19	8.10	6.75
	L145070220	5.06	27.19	8.87	7.39
	L175070120	3.02	13.60	7.62	6.35
	L175070130	3.29	15.60	8.25	6.87
	L175070140	3.52	17.65	8.87	7.39
	L175070150	3.79	19.73	9.49	7.91
	L175070160	4.05	21.81	10.10	8.42
	L175070180	4.55	25.94	11.32	9.43
	L175070200	5.08	29.90	12.52	10.43
4.5	L175070120	3.02	12.09	6.02	5.01
	L175070130	3.29	13.86	6.51	5.43
	L175070140	3.52	15.69	7.01	5.84
	L175070150	3.79	17.54	7.50	6.25
	L175070160	4.05	19.38	7.98	6.65
	L175070180	4.55	23.05	8.94	7.45
	L175070200	5.08	26.58	9.89	8.24
	L175070220	5.56	29.95	10.82	9.02
	L175070250	6.35	34.77	12.20	10.17
	L205070120	3.29	14.04	8.69	7.24
	L205070130	3.58	16.21	9.41	7.84
	L205070140	3.84	18.42	10.13	8.44
	L205070150	4.13	20.66	10.84	9.03
	L205070160	4.41	22.91	11.54	9.62

Span (m)	Section	Weight kg/m	Ultimate Allowable Load kN	Deflection Limit L/250 kN	Deflection Limit L/360 kN	
5.0	L175070120	3.02	10.88	4.87	4.06	
	L175070130	3.29	12.48	5.28	4.40	
	L175070140	3.52	14.12	5.68	4.73	
	L175070150	3.79	15.78	6.07	5.06	
	L175070160	4.05	17.45	6.47	5.39	
	L175070180	4.55	20.75	7.24	6.04	
	L175070200	5.08	23.92	8.01	6.68	
	L175070220	5.56	26.96	8.77	7.31	
	L175070250	6.35	31.30	9.88	8.23	
	L205070120	3.29	12.64	7.04	5.87	
	L205070130	3.58	14.59	7.62	6.35	
	L205070140	3.84	16.58	8.20	6.84	
	L205070150	4.13	18.60	8.78	7.31	
	L205070160	4.41	20.62	9.35	7.79	
	5.5	L205070120	3.29	11.48	5.82	4.85
L205070130		3.58	13.26	6.30	5.25	
L205070140		3.84	15.07	6.78	5.65	
L205070150		4.13	16.90	7.25	6.04	
L205070160		4.41	18.74	7.72	6.44	
L205070170		4.67	20.56	8.19	6.83	
L205070180		4.96	22.37	8.66	7.22	
L205070200		5.53	25.88	9.58	7.98	
L205070220		6.05	29.27	10.49	8.74	
L205070250		6.91	34.13	11.83	9.86	
L205070270		7.49	37.27	12.71	10.59	
6.0		L205070160	3.29	17.18	6.49	5.41
		L205070170	3.58	18.85	6.89	5.74
		L205070180	3.84	20.51	7.28	6.06
		L205070200	4.13	23.72	8.05	6.71
	L205070220	4.41	26.83	8.81	7.35	
	L205070250	4.67	31.29	9.94	8.28	
	L205070270	4.96	34.16	10.68	8.90	
	L235070130	3.86	13.75	7.30	6.08	
	L235070140	4.14	15.71	7.85	6.54	
	L235070150	4.45	17.70	8.40	7.00	
	L235070160	4.76	19.69	8.95	7.46	
	L235070170	5.04	21.67	9.49	7.91	
	L235070180	5.35	23.63	10.04	8.36	
	L235070200	5.97	27.46	11.11	9.26	
	L235070220	6.53	31.16	12.17	10.14	
L235070250	7.46	36.53	13.73	11.44		
L235070270	8.08	40.01	14.75	12.29		

NOTE: Section self weight has not been subtracted from the loadings shown.