

Table 3:7 Multibeam Cladding Rails (Horizontal Cladding)

Span (m)	Section	Weight kg/m	Ult. Allowable Pressure	Ult. Allowable Suction	Load @150 Pressure	Span (m)	Section	Weight kg/m	Ult. Allowable Pressure	Ult. Allowable Suction	Load @150 Pressure
4.0	M145065120	2.75	14.96	14.96	22.21	5.5	M145065120	2.75	11.89	11.89	11.75
	M145065130	2.99	17.16	17.16	24.03		M145065130	2.99	13.49	13.49	12.71
	M145065140	3.21	19.36	19.36	25.84		M145065140	3.21	14.94	14.94	13.67
	M145065150	3.45	21.54	21.54	27.64		M145065150	3.45	16.23	16.23	14.62
	M145065160	3.69	23.70	23.70	29.42		M145065160	3.69	17.48	17.48	15.56
	M145065180	4.15	27.96	27.96	32.94		M145065180	4.15	19.97	19.97	17.42
	M145065200	4.63	32.12	32.12	36.41		M145065200	4.63	22.35	22.35	19.26
	M145065220	5.06	36.20	36.20	39.81		M145065220	5.06	24.61	24.61	21.06
	M175065120	3.02	16.18	16.18	34.45		M175065120	3.02	13.27	13.27	18.22
	M175065130	3.29	18.94	18.94	37.29		M175065130	3.29	15.33	15.33	19.72
	M175065140	3.52	21.74	21.74	40.11		M175065140	3.52	17.41	17.41	21.22
	M175065150	3.79	24.57	24.57	42.90		M175065150	3.79	19.47	19.47	22.69
	M175065160	4.05	27.39	27.39	45.68		M175065160	4.05	21.11	21.11	24.16
	M175065180	4.55	32.99	32.99	51.18		M175065180	4.55	24.29	24.29	27.07
	M175065200	5.08	38.49	38.49	56.60		M175065200	5.08	27.38	27.38	29.94
	M175065220	5.56	43.86	43.86	61.93		M175065220	5.56	30.22	30.22	32.76
M175065250	6.35	51.73	51.73	69.79	M175065250	6.35	34.38	34.38	36.91		
4.5	M145065120	2.75	13.79	13.79	17.55	M205065120	3.29	13.99	13.99	26.45	
	M145065130	2.99	15.75	15.75	18.99	M205065130	3.58	16.48	16.48	28.64	
	M145065140	3.21	17.70	17.70	20.42	M205065140	3.84	19.01	19.01	30.81	
	M145065150	3.45	19.63	19.63	21.84	M205065150	4.13	21.57	21.57	32.97	
	M145065160	3.69	21.55	21.55	23.24	M205065160	4.41	24.13	24.13	35.11	
	M145065180	4.15	25.31	25.31	26.02	M205065170	4.67	26.44	26.44	37.28	
	M145065200	4.63	28.89	28.89	28.77	M205065180	4.96	28.36	28.36	39.35	
	M145065220	5.06	32.03	32.03	31.46	M205065200	5.53	32.18	32.18	43.54	
	M175065120	3.02	15.08	15.08	27.22	M205065220	6.05	35.72	35.72	47.67	
	M175065130	3.29	17.58	17.58	29.46	M205065250	6.91	40.78	40.78	53.75	
	M175065140	3.52	20.09	20.09	31.69	M205065270	7.49	44.03	44.03	57.73	
	M175065150	3.79	22.62	22.62	33.90	6.0	M175065120	3.02	12.50	12.50	15.31
	M175065160	4.05	25.12	25.12	36.09		M175065130	3.29	14.24	14.24	16.57
	M175065180	4.55	30.09	30.09	40.44		M175065140	3.52	15.68	15.68	17.83
	M175065200	5.08	34.96	34.96	44.72		M175065150	3.79	17.10	17.10	19.07
	M175065220	5.56	39.59	39.59	48.94		M175065160	4.05	18.48	18.48	20.30
M175065250	6.35	45.52	45.52	55.14	M175065180		4.55	21.03	21.03	22.75	
M145065120	2.75	12.77	12.77	14.21	M175065200		5.08	23.51	23.51	25.16	
M145065130	2.99	14.54	14.54	15.38	M175065220		5.56	25.92	25.92	27.53	
M145065140	3.21	16.29	16.29	16.54	M175065250		6.35	29.45	29.45	31.02	
M145065150	3.45	18.02	18.02	17.69	M205065120		3.29	13.28	13.28	22.23	
M145065160	3.69	19.74	19.74	18.83	M205065130		3.58	15.60	15.60	24.06	
M145065180	4.15	22.67	22.67	21.08	M205065140		3.84	17.91	17.91	25.89	
M145065200	4.63	25.46	25.46	23.30	M205065150		4.13	19.66	19.66	27.70	
M145065220	5.06	28.19	28.19	25.48	M205065160		4.41	21.38	21.38	29.50	
M175065120	3.02	14.12	14.12	22.05	M205065170		4.67	23.02	23.02	31.32	
M175065130	3.29	16.39	16.39	23.86	M205065180		4.96	24.53	24.53	33.07	
M175065140	3.52	18.66	18.66	25.67	M205065200	5.53	27.53	27.53	36.59		
M175065150	3.79	20.94	20.94	27.46	M205065220	6.05	30.45	30.45	40.06		
M175065160	4.05	23.19	23.19	29.24	M205065250	6.91	34.69	34.69	45.17		
M175065180	4.55	27.64	27.64	32.76	M205065270	7.49	37.43	37.43	48.51		
M175065200	5.08	31.26	31.26	36.23	M235065120	3.55	13.54	13.54	30.75		
M175065220	5.56	34.75	34.75	39.64	M235065130	3.86	16.17	16.17	33.30		
M175065250	6.35	39.86	39.86	44.67	M235065140	4.14	18.90	18.90	35.83		
M205065120	3.29	14.76	14.76	32.01	M235065150	4.45	21.69	21.69	38.35		
M205065130	3.58	17.45	17.45	34.65	M235065160	4.76	23.92	23.92	40.84		
M205065140	3.84	20.21	20.21	37.28	M235065170	5.04	25.91	25.91	43.31		
M205065150	4.13	23.01	23.01	39.89	M235065180	5.35	27.76	27.76	45.80		
M205065160	4.41	25.83	25.83	42.48	M235065200	5.97	31.34	31.34	50.69		
M205065170	4.67	28.66	28.66	45.11	M235065220	6.53	34.78	34.78	55.52		
M205065180	4.96	31.44	31.44	47.62	M235065250	7.46	39.76	39.76	62.64		
M205065200	5.53	36.81	36.81	52.69	M235065270	8.08	42.96	42.96	67.30		
M205065220	6.05	41.17	41.17	57.68							
M205065250	6.91	47.50	47.50	65.04							
M205065270	7.49	51.44	51.44	69.85							



Multibeam Cladding Rails - Load Tables

Table 3:7 Multibeam Cladding Rails (Horizontal Cladding) (Cont.)

Span (m)	Section	Weight kg/m	Ult. Allowable Pressure	Ult. Allowable Suction	Load @150 Pressure	Span (m)	Section	Weight kg/m	Ult. Allowable Pressure	Ult. Allowable Suction	Load @150 Pressure
6.0	M175065120	3.02	10.33	10.33	14.08	6.5	M175065120	3.02	9.73	9.73	12.00
	M175065130	3.29	11.89	11.89	15.24		M175065130	3.29	11.15	11.15	12.99
	M175065140	3.52	17.06	17.06	16.40		M175065140	3.52	15.98	15.98	13.97
	M175065150	3.79	18.96	18.96	17.54		M175065150	3.79	17.73	17.73	14.94
	M175065160	4.05	20.83	20.83	18.67		M175065160	4.05	19.44	19.44	15.91
	M175065180	4.55	24.49	24.49	20.92		M175065180	4.55	22.15	22.15	17.83
	M175065200	5.08	27.52	27.52	23.14		M175065200	5.08	24.75	24.75	19.71
	M175065220	5.56	30.37	30.37	25.32		M175065220	5.56	27.29	27.29	21.57
	M175065250	6.35	34.56	34.56	28.53		M175065250	6.35	31.04	31.04	24.31
	M205065120	3.29	10.88	10.88	20.44		M205065120	3.29	10.36	10.36	17.42
	M205065130	3.58	12.82	12.82	22.13		M205065130	3.58	12.15	12.15	18.86
	M205065140	3.84	14.77	14.77	23.81		M205065140	3.84	13.93	13.93	20.29
	M205065150	4.13	16.71	16.71	25.48		M205065150	4.13	15.70	15.70	21.71
	M205065160	4.41	18.62	18.62	27.13		M205065160	4.41	17.45	17.45	23.12
	M205065170	4.67	20.53	20.53	28.81		M205065170	4.67	19.19	19.19	24.55
	M205065180	4.96	28.45	28.45	30.41		M205065180	4.96	26.51	26.51	25.92
	M205065200	5.53	33.00	33.00	33.65		M205065200	5.53	29.67	29.67	28.67
	M205065220	6.05	36.62	36.62	36.84		M205065220	6.05	32.79	32.79	31.39
	M205065250	6.91	41.77	41.77	41.54		M205065250	6.91	37.38	37.38	35.39
	M205065270	7.49	45.13	45.13	44.61		M205065270	7.49	40.36	40.36	38.01
	M235065120	3.55	10.92	10.92	28.28		M235065120	3.55	10.50	10.50	24.10
	M235065130	3.86	13.13	13.13	30.62		M235065130	3.86	12.57	12.57	26.09
	M235065140	4.14	15.43	15.43	32.96		M235065140	4.14	14.70	14.70	28.08
	M235065150	4.45	17.77	17.77	35.27		M235065150	4.45	16.85	16.85	30.05
	M235065160	4.76	20.11	20.11	37.56		M235065160	4.76	19.00	19.00	32.01
	M235065170	5.04	22.45	22.45	39.84		M235065170	5.04	21.14	21.14	33.94
	M235065180	5.35	24.77	24.77	42.12		M235065180	5.35	23.26	23.26	35.89
	M235065200	5.97	29.32	29.32	46.62		M235065200	5.97	34.61	34.61	39.73
	M235065220	6.53	33.73	33.73	51.06		M235065220	6.53	38.32	38.32	43.51
	M235065250	7.46	49.10	49.10	57.61		M235065250	7.46	43.76	43.76	49.09
	M235065270	8.08	53.11	53.11	61.89		M235065270	8.08	47.31	47.31	52.74
	6.5	M175065120	3.02	11.24	11.24		13.04	7.0	M205065120	3.29	9.87
M175065130		3.29	12.47	12.47	14.12	M205065130	3.58		11.52	11.52	16.26
M175065140		3.52	13.60	13.60	15.19	M205065140	3.84		13.17	13.17	17.50
M175065150		3.79	14.72	14.72	16.25	M205065150	4.13		14.80	14.80	18.72
M175065160		4.05	15.81	15.81	17.30	M205065160	4.41		20.84	20.84	19.93
M175065180		4.55	17.96	17.96	19.38	M205065170	4.67		22.30	22.30	21.17
M175065200		5.08	20.05	20.05	21.43	M205065180	4.96		23.70	23.70	22.34
M175065220		5.56	22.09	22.09	23.45	M205065200	5.53		26.52	26.52	24.72
M175065250		6.35	25.10	25.10	26.43	M205065220	6.05		29.30	29.30	27.07
M205065120		3.29	12.63	12.63	18.94	M205065250	6.91		33.38	33.38	30.52
M205065130		3.58	14.18	14.18	20.51	M205065270	7.49		35.96	35.96	32.78
M205065140		3.84	15.60	15.60	22.06	M235065120	3.55		10.10	10.10	20.78
M205065150		4.13	16.95	16.95	23.60	M235065130	3.86		12.03	12.03	22.50
M205065160		4.41	18.28	18.28	25.14	M235065140	4.14		14.01	14.01	24.21
M205065170		4.67	19.62	19.62	26.69	M235065150	4.45		16.00	16.00	25.91
M205065180		4.96	20.86	20.86	28.18	M235065160	4.76		17.98	17.98	27.60
M205065200		5.53	23.36	23.36	31.18	M235065170	5.04		19.95	19.95	29.27
M205065220		6.05	25.81	25.81	34.13	M235065180	5.35		27.47	27.47	30.95
M205065250		6.91	29.37	29.37	38.48	M235065200	5.97		30.81	30.81	34.25
M205065270		7.49	31.69	31.69	41.33	M235065220	6.53		34.09	34.09	37.52
M235065120		3.55	12.98	12.98	26.20	M235065250	7.46		38.92	38.92	42.33
M235065130		3.86	15.45	15.45	28.37	M235065270	8.08		42.03	42.03	45.47
M235065140		4.14	17.34	17.34	30.53						
M235065150		4.45	18.96	18.96	32.67						
M235065160		4.76	20.53	20.53	34.80						
M235065170		5.04	22.06	22.06	36.90						
M235065180		5.35	23.58	23.58	39.02						
M235065200		5.97	26.53	26.53	43.19						
M235065220		6.53	29.37	29.37	47.30						
M235065250		7.46	33.51	33.51	53.37						
M235065270		8.08	36.19	36.19	57.34						

Span (m)	Section	Weight kg/m	Ult. Allowable Pressure	Ult. Allowable Suction	Load @150 Pressure	
7.5	M205065120	3.29	9.42	9.42	13.08	
	M205065130	3.58	10.95	10.95	14.17	
	M205065140	3.84	12.47	12.47	15.24	
	M205065150	4.13	17.30	17.30	16.31	
	M205065160	4.41	18.59	18.59	17.37	
	M205065170	4.67	19.90	19.90	18.44	
	M205065180	4.96	21.14	21.14	19.47	
	M205065200	5.53	23.66	23.66	21.54	
	M205065220	6.05	26.13	26.13	23.58	
	M205065250	6.91	29.58	29.58	26.59	
	M205065270	7.49	31.81	31.81	28.55	
	Restraints at 1/3 points	M235065120	3.55	9.72	9.72	18.10
		M235065130	3.86	11.53	11.53	19.60
		M235065140	4.14	13.37	13.37	21.09
		M235065150	4.45	15.22	15.22	22.57
		M235065160	4.76	21.40	21.40	24.04
		M235065170	5.04	22.89	22.89	25.50
		M235065180	5.35	24.40	24.40	26.96
		M235065200	5.97	27.37	27.37	29.84
		M235065220	6.53	30.28	30.28	32.68
M235065250		7.46	34.38	34.38	36.87	
M235065270		8.08	36.98	36.98	39.61	
8.0		M235065120	3.55	9.35	9.35	15.91
	M235065130	3.86	11.06	11.06	17.23	
	M235065140	4.14	12.78	12.78	18.54	
	M235065150	4.45	17.65	17.65	19.84	
	M235065160	4.76	18.99	18.99	21.13	
	M235065170	5.04	20.32	20.32	22.41	
	M235065180	5.35	21.66	21.66	23.69	
	M235065200	5.97	24.28	24.28	26.23	
	M235065220	6.53	26.69	26.69	28.72	
	M235065250	7.46	30.20	30.20	32.41	
	M235065270	8.08	32.47	32.47	34.82	
	Restraints at 1/3 points	M265065120	3.82	9.34	9.34	21.21
		M265065130	4.16	11.25	11.25	22.98
		M265065140	4.46	13.22	13.22	24.73
		M265065150	4.79	15.23	15.23	26.47
		M265065160	5.13	21.34	21.34	28.19
		M265065180	5.76	24.40	24.40	31.63
		M265065200	6.43	27.43	27.43	35.02
		M265065220	7.03	30.25	30.25	38.36
		M265065250	8.03	34.26	34.26	43.30
M265065270		8.70	36.86	36.86	46.54	
Restraints at 1/4 points		M235065120	3.55	8.39	8.39	13.67
		M235065130	3.86	9.90	9.90	14.80
	M235065140	4.14	11.44	11.44	15.92	
	M235065150	4.45	12.97	12.97	17.04	
	M235065160	4.76	14.50	14.50	18.15	
	M235065170	5.04	16.01	16.01	19.25	
	M235065180	5.35	22.19	22.19	20.35	
	M235065200	5.97	24.97	24.97	22.53	
	M235065220	6.53	27.72	27.72	24.67	
	M235065250	7.46	31.73	31.73	27.83	

Span (m)	Section	Weight kg/m	Ult. Allowable Pressure	Ult. Allowable Suction	Load @150 Pressure	
Restraints at 1/4 points	M235065270	8.08	34.16	34.16	29.91	
	M265065120	3.82	8.39	8.39	18.22	
	M265065130	4.16	10.09	10.09	19.73	
	M265065140	4.46	11.85	11.85	21.24	
	M265065150	4.79	13.65	13.65	22.73	
	M265065160	5.13	15.45	15.45	24.22	
	M265065180	5.76	19.07	19.07	27.17	
	M265065200	6.43	28.33	28.33	30.08	
	M265065220	7.03	31.53	31.53	32.95	
	M265065250	8.03	36.22	36.22	37.20	
	M265065270	8.70	39.13	39.13	39.98	
	9.0	M235065120	3.55	10.70	10.70	12.57
M235065130		3.86	11.79	11.79	13.61	
M235065140		4.14	12.88	12.88	14.65	
M235065150		4.45	13.96	13.96	15.68	
M235065160		4.76	14.93	14.93	16.70	
M235065170		5.04	15.89	15.89	17.71	
M235065180		5.35	16.86	16.86	18.72	
M235065200		5.97	18.75	18.75	20.72	
M235065220		6.53	20.58	20.58	22.70	
M235065250		7.46	23.28	23.28	25.61	
M235065270		8.08	25.04	25.04	27.51	
Restraints at 1/3 points		M265065120	3.82	8.78	8.78	16.76
	M265065130	4.16	13.10	13.10	18.15	
	M265065140	4.46	14.35	14.35	19.54	
	M265065150	4.79	15.59	15.59	20.91	
	M265065160	5.13	16.78	16.78	22.28	
	M265065180	5.76	18.97	18.97	24.99	
	M265065200	6.43	21.11	21.11	27.67	
	M265065220	7.03	23.20	23.20	30.31	
	M265065250	8.03	26.25	26.25	34.22	
	M265065270	8.70	28.22	28.22	36.77	
	9.0	M235065120	3.55	8.09	8.09	12.19
		M235065130	3.86	9.52	9.52	13.20
M235065140		4.14	10.97	10.97	14.20	
M235065150		4.45	12.41	12.41	15.20	
M235065160		4.76	13.84	13.84	16.19	
M235065170		5.04	18.91	18.91	17.17	
M235065180		5.35	20.21	20.21	18.15	
M235065200		5.97	22.74	22.74	20.09	
M235065220		6.53	25.25	25.25	22.01	
M235065250		7.46	28.63	28.63	24.83	
M235065270		8.08	30.81	30.81	26.68	
Restraints at 1/4 points		M265065120	3.82	8.15	8.15	16.25
	M265065130	4.16	9.77	9.77	17.60	
	M265065140	4.46	11.43	11.43	18.95	
	M265065150	4.79	13.12	13.12	20.28	
	M265065160	5.13	14.82	14.82	21.60	
	M265065180	5.76	22.80	22.80	24.23	
	M265065200	6.43	25.74	25.74	26.83	
	M265065220	7.03	28.64	28.64	29.39	
	M265065250	8.03	32.66	32.66	33.18	
	M265065270	8.70	35.16	35.16	35.66	

