

Multichannel - Load Tables

Table 4:9 Double span Cladding Rails (Horizontal Cladding)

Span (m)	Siderail Section	Weight kg/m	Ultimate Uniformly Distributed Load (kN)		Working Load to Produce Deflection of Span/150	
			Pressure	Suction		
4.0	Restrains at mid-span	L145070120	2.75	12.83	12.83	23.01
		L145070130	2.99	15.06	15.06	24.9
		L145070140	3.21	17.38	17.38	26.77
		L145070150	3.45	19.77	19.77	28.64
		L145070160	3.69	22.19	22.19	30.48
		L145070180	4.15	27.04	27.04	34.14
		L145070200	4.63	31.76	31.76	37.73
		L145070220	5.06	36.29	36.29	41.31
4.5	Restrains at mid-span	L145070120	2.75	11.79	11.79	18.18
		L145070130	2.99	13.8	13.8	19.67
		L145070140	3.21	15.89	15.89	21.16
		L145070150	3.45	18.02	18.02	22.63
		L145070160	3.69	20.18	20.18	24.08
		L145070180	4.15	24.51	24.51	26.97
		L145070200	4.63	28.71	28.71	29.81
		L145070220	5.06	32.72	32.72	32.64
5.0	Restrains at mid-span	L145070120	2.75	10.91	10.91	14.72
		L145070130	2.99	12.73	12.73	15.94
		L145070140	3.21	14.62	14.62	17.14
		L145070150	3.45	16.55	16.55	18.33
		L145070160	3.69	18.5	18.5	19.51
		L145070180	4.15	22.32	22.32	21.85
		L145070200	4.63	25.98	25.98	24.15
		L145070220	5.06	29.46	29.46	26.44
		L175070120	3.02	12.33	12.33	22.7
		L175070130	3.29	14.47	14.47	24.57
		L175070140	3.52	16.8	16.8	26.43
		L175070150	3.79	19.19	19.19	28.28
5.5	Restrains at mid-span	L145070120	2.75	10.11	10.11	12.17
		L145070130	2.99	11.7	11.7	13.17
		L145070140	3.21	13.35	13.35	14.16
		L145070150	3.45	15.03	15.03	15.15
		L145070160	3.69	16.71	16.71	16.12
		L145070180	4.15	20.06	20.06	18.06
		L145070200	4.63	23.29	23.29	19.96
		L145070220	5.06	26.37	26.37	21.85
		L175070120	3.02	11.46	11.46	18.76
		L175070130	3.29	13.51	13.51	20.31
		L175070140	3.52	15.65	15.65	21.84
		L175070150	3.79	17.78	17.78	23.37
		L175070160	4.05	19.88	19.88	24.88
		L175070180	4.55	24.06	24.06	27.88
L175070200	5.08	28.1	28.1	30.84		

Table 4:9 Double span Cladding Rails (Horizontal Cladding) Cont.

Span (m)	Siderail Section	Weight kg/m	Ultimate Uniformly Distributed Load (kN)		Working Load to Produce Deflection of Span/150	Span (m)	Siderail Section	Weight kg/m	Ultimate Uniformly Distributed Load (kN)		Working Load to Produce Deflection of Span/150
			Pressure	Suction					Pressure	Suction	
6.0	L145070140	3.21	12.1	12.1	11.9	7.0	L205070120	3.29	10.99	10.99	15.39
	L145070150	3.45	13.6	13.6	12.73		L205070130	3.58	13	13	16.66
	L145070160	3.69	15.09	15.09	13.55		L205070140	3.84	15.07	15.07	17.92
	L145070180	4.15	18.05	18.05	15.17		L205070150	4.13	17.18	17.18	19.18
	L145070200	4.63	20.9	20.9	16.77		L205070160	4.41	19.14	19.14	20.43
	L145070220	5.06	23.62	23.62	18.36		L205070170	4.67	21.08	21.08	21.67
	L175070120	3.02	10.69	10.69	15.76		L205070180	4.96	23.02	23.02	22.9
	L175070130	3.29	12.47	12.47	17.07		L205070200	5.53	26.79	26.79	25.33
	L175070140	3.52	14.3	14.3	18.36		L235070130	3.86	13.83	13.83	22.9
	L175070150	3.79	16.16	16.16	19.64		L235070140	4.14	16.23	16.23	24.7
	L175070160	4.05	18.01	18.01	20.91		L235070150	4.45	18.7	18.7	26.44
	L175070180	4.55	21.71	21.71	23.43		L235070160	4.76	21.2	21.2	28.16
	L175070200	5.08	25.26	25.26	25.91		L235070170	5.04	23.72	23.72	29.88
	L205070120	3.29	11.56	11.56	22.77		L235070180	5.35	26.13	26.13	31.58
	L205070130	3.58	13.78	13.78	24.66		L235070200	5.97	30.58	30.58	34.95
L205070140	3.84	16.07	16.07	26.53	7.5	L205070120	3.29	10.34	10.34	13.4	
L205070150	4.13	18.3	18.3	28.39		L205070130	3.58	12.2	12.2	14.51	
L145070140	3.21	13.01	13.01	10.94		L205070140	3.84	14.07	14.07	15.56	
L145070150	3.45	14.59	14.59	11.71		L205070150	4.13	15.86	15.86	16.71	
L145070160	3.69	16.18	16.18	12.46		L205070160	4.41	17.65	17.65	17.79	
L145070180	4.15	19.32	19.32	13.95		L205070170	4.67	19.42	19.42	18.87	
L145070200	4.63	22.35	22.35	15.42		L205070180	4.96	21.18	21.18	19.95	
L145070220	5.06	25.23	25.23	16.89		L205070200	5.53	24.61	24.61	22.07	
L175070120	3.02	11.32	11.32	14.5		L235070130	3.86	13.06	13.06	20	
L175070130	3.29	13.28	13.28	15.7		L235070140	4.14	15.29	15.29	21.52	
L175070140	3.52	15.29	15.29	16.88		L235070150	4.45	17.56	17.56	23.03	
L175070150	3.79	17.36	17.36	18.06		L235070160	4.76	19.86	19.86	24.53	
L175070160	4.05	19.42	19.42	19.23		L235070170	5.04	22	22	26.03	
L175070180	4.55	23.45	23.45	21.55		L235070180	5.35	24.07	24.07	27.51	
L175070200	5.08	27.23	27.23	23.83		L235070200	5.97	28.11	28.11	30.45	
L205070120	3.29	12.26	12.26	20.94	8.0	L205070150	4.13	14.66	14.66	14.68	
L205070130	3.58	14.6	14.6	22.68		L205070160	4.41	16.28	16.28	15.64	
L205070140	3.84	17.03	17.03	24.4		L205070170	4.67	17.9	17.9	16.59	
L205070150	4.13	19.52	19.52	26.11		L205070180	4.96	19.5	19.5	17.53	
L175070150	3.79	16.12	16.12	15.39		L205070200	5.53	22.61	22.61	19.4	
L175070160	4.05	17.91	17.91	16.39		L235070130	3.86	12.33	12.33	17.58	
L175070180	4.55	21.46	21.46	18.36		L235070140	4.14	14.39	14.39	18.91	
L175070200	5.08	24.89	24.89	20.31		L235070150	4.45	16.49	16.49	20.24	
L205070120	3.29	11.62	11.62	17.85		L235070160	4.76	18.4	18.4	21.56	
L205070130	3.58	13.79	13.79	19.32		L235070170	5.04	20.3	20.3	22.88	
L205070140	3.84	16.04	16.04	20.79		L235070180	5.35	22.18	22.18	24.18	
L205070150	4.13	18.34	18.34	22.24		L235070200	5.97	25.85	25.85	26.76	
L205070160	4.41	20.66	20.66	23.69		8.5	L235070130	3.86	11.62	11.62	15.57
L205070170	4.67	22.94	22.94	25.13			L235070140	4.14	13.49	13.49	16.75
L205070180	4.96	25.06	25.06	26.56			L235070150	4.45	15.22	15.22	17.93
L205070200	5.53	29.22	29.22	29.38	L235070160		4.76	16.96	16.96	19.1	
L235070130	3.86	11.15	11.15	26.63	L235070170		5.04	18.67	18.67	20.26	
L235070140	4.14	13.51	13.51	28.65	L235070180		5.35	20.37	20.37	21.42	
L235070150	4.45	15.9	15.9	30.66	L235070200		5.97	23.67	23.67	23.71	
L235070160	4.76	18.62	18.62	32.66	L235070220		6.53	26.85	26.85	25.96	
L235070170	5.04	21.37	21.37	34.65	L235070250		7.46	31.43	31.43	29.3	
L235070180	5.35	24.12	24.12	36.63	L235070270		8.08	34.37	34.37	31.48	
L235070200	5.97	28.31	28.31	40.54	L265070140		4.46	14.31	14.31	22.28	
					L265070150		4.79	16.51	16.51	23.84	
					L265075160		5.13	17.18	17.18	25.4	
					L265070180		5.76	22.64	22.64	28.49	
					L265070200		6.43	26.47	26.47	31.55	
					L265070220	7.03	30.18	30.18	34.56		
					L265070250	8.03	35.54	35.54	39.02		
					L265070270	8.70	38.99	38.99	41.94		

Multichannel