

# Multichannel - Load Tables

**Table 4:7 Multichannel Brickwork Restraint Double Span Cont.**

Span (m)	Section	Weight kg/m	Ultimate Uniformly Distributed Load (kN)		Working Load to Produce Deflection of		
			Pressure	Suction	span/300 kN	span/360 kN	span/500 kN
6.0	L175070150	3.79	11.94	11.94	8.67	7.23	5.20
	L175070160	4.05	13.41	13.41	9.23	7.69	5.54
	L175070180	4.55	16.34	16.34	10.35	8.62	6.21
	L175070200	5.08	19.15	19.15	11.44	9.53	6.86
	L175070220	5.56	21.82	21.82	12.52	10.43	7.51
	L175070250	6.35	25.61	25.61	14.11	11.76	8.47
	L205070120	3.29	7.97	7.97	10.05	8.38	6.03
	L205070130	3.58	9.59	9.59	10.89	9.07	6.53
	L205070140	3.84	11.30	11.30	11.71	9.76	7.03
	L205070150	4.13	13.06	13.06	12.53	10.44	7.52
	L205070160	4.41	14.86	14.86	13.35	11.12	8.01
	L205070170	4.67	16.67	16.67	14.16	11.80	8.49
	L205070180	4.96	18.47	18.47	14.96	12.47	8.98
	L205070200	5.53	22.00	21.52	16.55	13.80	9.93
	6.5	L175070150	3.79	11.17	11.17	7.39	6.16
L175070160		4.05	12.52	12.52	7.87	6.56	4.72
L175070180		4.55	15.20	15.20	8.81	7.35	5.29
L175070200		5.08	17.78	17.78	9.75	8.12	5.85
L175070220		5.56	20.23	20.23	10.67	8.89	6.40
L175070250		6.35	23.71	23.71	12.02	10.02	7.21
L205070120		3.29	7.60	7.60	8.57	7.14	5.14
L205070130		3.58	9.11	9.11	9.28	7.73	5.57
L205070140		3.84	10.69	10.69	9.98	8.32	5.99
L205070150		4.13	12.32	12.32	10.68	8.90	6.41
L205070160		4.41	13.98	13.98	11.37	9.48	6.82
L205070170		4.67	15.64	15.64	12.06	10.05	7.24
L205070180		4.96	17.30	17.30	12.75	10.62	7.65
L205070200		5.53	20.52	20.52	14.11	11.75	8.46
L205070220		6.05	23.62	23.62	15.44	12.87	9.27
L205070250	6.91	28.03	28.03	17.42	14.51	10.45	
7.0	L175070150	3.79	10.48	10.48	6.37	5.31	3.82
	L175070160	4.05	11.73	11.73	6.78	5.65	4.07
	L175070180	4.55	14.20	14.20	7.60	6.33	4.56
	L175070200	5.08	16.58	16.58	8.41	7.00	5.04
	L175070220	5.56	18.84	18.84	9.20	7.67	5.52
	L175070250	6.35	22.06	22.06	10.37	8.64	6.22
	L205070120	3.29	7.25	7.25	7.39	6.16	4.43
	L205070130	3.58	8.67	8.67	8.00	6.67	4.80
	L205070140	3.84	10.14	10.14	8.61	7.17	5.16
	L205070150	4.13	11.66	11.66	9.21	7.67	5.53
	L205070160	4.41	13.19	13.19	9.81	8.17	5.88
	L205070170	4.67	14.72	14.72	10.40	8.67	6.24
	L205070180	4.96	16.25	16.25	10.99	9.16	6.60
	L205070200	5.53	19.22	19.22	12.16	10.14	7.30
	L205070220	6.05	22.07	22.07	13.32	11.10	7.99
L205070250	6.91	26.13	26.13	15.02	12.51	9.01	

## Rafter and Stanchion Stays

Length between c/c holes mm	RNB Angle 45 x 45	RNA Channel 38 x 38 x 38
	Ultimate compression kN	Ultimate compression kN
500	17.54	31.4
600	17.05	31.4
700	16.55	31.4
800	16.1	31.4
900	15.75	31.4
1000	15.55	31.4
1500	-	21
2000	-	15.5

## Horizontal Panel Vertical Support Member (G140/150)

Span (m)	Ultimate Pressure	Ultimate Suction	Deflection
	Kn	Kn	L/150 Kn
3.0	23.44	9.21	9.10
3.5	19.66	7.72	6.69
4.0	16.73	6.58	5.12
4.5	14.33	6.68	4.05

NOTE: Stay attaches to Multichannel/Multibeam with an M12 (8.8 grade) bolt and to the hot-rolled steel with a M16 bolt.