

Eaves Beam S450 Galv Load Span Tables

Span (m)	Section	# of ties	Weight (kg/m)	Ultimate total UDL kN		load (kN) to reach deflection limit (L/180)
				Gravity	Suction	
4.50	E175065180	1	4.57	20.20	15.35	26.56
6.00		1	4.57	15.00	10.10	15.20
7.00		2	4.57	12.90	9.80	8.50
8.00		2	4.57	11.10	8.00	6.80
9.00		2	4.57	10.10	6.80	5.45
4.50	E175065200	1	5.07	23.45	17.75	29.80
6.00		1	5.07	17.58	11.72	17.10
7.00		2	5.07	15.07	11.40	9.99
8.00		2	5.07	13.18	9.36	7.68
9.00		2	5.07	11.70	7.91	6.09
4.50	E175065250	1	6.30	31.00	23.30	37.78
6.00		1	6.30	23.28	15.40	21.50
7.00		2	6.30	19.92	15.00	12.50
8.00		2	6.30	17.45	12.30	9.60
9.00		2	6.30	15.50	10.39	7.60
4.50	E205065180	1	4.98	24.40	17.50	37.88
6.00		1	4.98	18.30	11.15	21.80
7.00		2	4.98	15.70	11.37	12.86
8.00		2	4.98	13.60	9.20	9.92
9.00		2	4.98	12.20	7.63	7.88
4.50	E205065200	1	5.53	28.40	20.28	42.50
6.00		1	5.53	21.30	13.00	24.50
7.00		2	5.53	18.25	13.21	14.41
8.00		2	5.53	15.95	10.70	11.08
9.00		2	5.53	14.20	8.89	8.80
4.50	E205065250	1	6.88	38.00	26.90	54.50
6.00		1	6.88	28.50	17.25	31.05
7.00		2	6.88	24.45	17.65	18.15
8.00		2	6.88	21.40	14.25	13.95
9.00		2	6.88	19.00	11.85	11.05

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Span (m)	Section	# of ties	Weight (kg/m)	Ultimate total UDL kN		load (kN) to reach deflection limit (L/180)
				Gravity	Suction	
4.50	E265065180	1	5.81	34.00	23.39	65.00
6.00		1	5.81	25.50	13.70	39.20
7.00		2	5.81	21.84	14.94	23.35
8.00		2	5.81	19.10	11.60	18.00
9.00		2	5.81	17.00	9.34	14.35
4.50	E265065200	1	6.45	38.31	26.30	75.00
6.00		1	6.45	28.70	15.55	40.00
7.00		2	6.45	24.60	16.85	26.05
8.00		2	6.45	21.55	13.19	20.10
9.00		2	6.45	19.10	10.55	16.00
4.50	E265065250	1	8.04	51.90	35.40	90.00
6.00		1	8.04	38.90	21.00	56.10
7.00		2	8.04	33.40	22.78	33.05
8.00		2	8.04	29.20	17.80	25.45
9.00		2	8.04	25.95	14.25	20.20