



1. Working Gravity Load U.D.L. includes self weight of the section
2. Loads shown are based on lateral restraint being provided to the top flange of the purlin by cladding

Single Span Purlin Load Tables				
			Working Load U.D.L (kN)	Working Load U.D.L (kN)
Span (m)	Section Reference	Weight (kg/m)	Gravity	Suction
4	145x65x1.5	3.5	10.14	7.35
	145x65x1.8	4.2	12.17	10.14
	145x65x2.0	4.7	13.67	11.80
	175x65x1.5	4	12.56	8.51
	175x65x1.8	4.7	17.27	11.20
	175x65x2.0	5.2	20.41	12.40
	205x65x1.5	4.3	15.37	9.42
	205x65x1.8	5.2	20.89	11.60
	205x65x2.0	5.7	24.47	12.46
	235x65x1.5	4.7	18.19	10.68
	235x65x1.8	5.6	23.22	11.32
	235x65x2.0	6.2	28.25	12.28
	265x65x1.5	5	21.48	10.84
	265x65x1.8	6	28.04	11.80
	265x65x2.0	6.6	32.66	12.40
4.5	145x65x1.5	3.5	8.62	6.12
	145x65x1.8	4.2	10.00	8.51
	145x65x2.0	4.7	11.24	10.10
	175x65x1.5	4	11.39	7.05
	175x65x1.8	4.7	14.39	9.77
	175x65x2.0	5.2	16.57	11.57
	205x65x1.5	4.3	13.92	7.76
	205x65x1.8	5.2	19.00	10.69
	205x65x2.0	5.7	22.04	12.02
	235x65x1.5	4.7	16.41	9.20
	235x65x1.8	5.6	20.95	10.80
	235x65x2.0	6.2	25.48	11.70
	265x65x1.5	5	19.35	10.00
	265x65x1.8	6	25.47	11.12
	265x65x2.0	6.6	29.55	11.70
5	145x65x1.5	3.5	7.23	5.23
	145x65x1.8	4.2	8.51	7.33
	145x65x2.0	4.7	9.34	8.73
	175x65x1.5	4	10.10	6.00
	175x65x1.8	4.7	11.94	8.38
	175x65x2.0	5.2	13.91	9.95



Single Span Purlin Load Tables				
			Working Load U.D.L (kN)	Working Load U.D.L (kN)
Span (m)	Section Reference	Weight (kg/m)	Gravity	Suction
5	205x65x1.5	4.3	12.72	6.57
	205x65x1.8	5.2	17.26	9.12
	205x65x2.0	5.7	19.06	10.82
	235x65x1.5	4.7	14.99	7.80
	235x65x1.8	5.6	19.28	10.50
	235x65x2.0	6.2	23.11	11.50
	265x65x1.5	5	17.75	8.45
	265x65x1.8	6	23.10	10.85
	265x65x2.0	6.6	26.83	11.40
5.5	145x65x1.5	3.5	6.13	4.57
	145x65x1.8	4.2	7.27	6.44
	145x65x2.0	4.7	7.96	7.68
	175x65x1.5	4	8.58	5.22
	175x65x1.8	4.7	10.08	7.33
	175x65x2.0	5.2	11.42	8.73
	205x65x1.5	4.3	11.79	5.69
	205x65x1.8	5.2	14.59	7.95
	205x65x2.0	5.7	16.26	9.45
	235x65x1.5	4.7	13.84	6.76
	235x65x1.8	5.6	17.63	9.46
	235x65x2.0	6.2	20.65	11.24
	265x65x1.5	5	16.34	7.30
	265x65x1.8	6	21.29	10.19
	265x65x2.0	6.6	24.84	11.28
6	145x65x1.5	3.5	5.25	4.05
	145x65x1.8	4.2	6.25	5.73
	145x65x2.0	4.7	6.88	6.85
	175x65x1.5	4	7.26	4.61
	175x65x1.8	4.7	8.68	6.51
	175x65x2.0	5.2	9.60	7.77
	205x65x1.5	4.3	10.54	5.01
	205x65x1.8	5.2	12.67	7.04
	205x65x2.0	5.7	14.02	8.39
	235x65x1.5	4.7	13.06	5.96
	235x65x1.8	5.6	15.67	8.38
	235x65x2.0	6.2	17.35	9.99
	265x65x1.5	5	15.24	6.42
	265x65x1.8	6	19.86	9.02
	265x65x2.0	6.6	22.90	10.73



Single Span Purlin Load Tables				
			Working Load U.D.L (kN)	Working Load U.D.L (kN)
Span (m)	Section Reference	Weight (kg/m)	Gravity	Suction
6.5	145x65x1.5	3.5	4.64	3.64
	145x65x1.8	4.2	5.47	5.17
	145x65x2.0	4.7	6.02	6.19
	175x65x1.5	4	6.19	4.13
	175x65x1.8	4.7	7.39	5.86
	175x65x2.0	5.2	8.18	7.01
	205x65x1.5	4.3	8.98	4.47
	205x65x1.8	5.2	10.73	6.32
	205x65x2.0	5.7	11.89	7.55
	235x65x1.5	4.7	11.17	5.33
	235x65x1.8	5.6	13.35	7.53
	235x65x2.0	6.2	14.79	8.99
	265x65x1.5	5	13.33	5.74
	265x65x1.8	6	17.49	8.09
265x65x2.0	6.6	19.72	9.64	
7	145x65x1.5	3.5	4.00	3.30
	145x65x1.8	4.2	4.78	4.71
	145x65x2.0	4.7	5.29	5.67
	175x65x1.5	4	5.34	3.75
	175x65x1.8	4.7	6.38	5.33
	175x65x2.0	5.2	7.05	6.38
	205x65x1.5	4.3	7.74	4.05
	205x65x1.8	5.2	9.26	5.74
	205x65x2.0	5.7	10.25	6.86
	235x65x1.5	4.7	9.62	4.82
	235x65x1.8	5.6	11.51	6.84
	235x65x2.0	6.2	12.75	8.18
	265x65x1.5	5	11.80	5.18
	265x65x1.8	6	15.35	7.33
265x65x2.0	6.6	17.01	8.76	
7.5	145x65x1.5	3.5	3.48	3.02
	145x65x1.8	4.2	4.17	4.33
	145x65x2.0	4.7	4.60	5.14
	175x65x1.5	4	4.64	3.43
	175x65x1.8	4.7	5.55	4.89

Single Span Purlin Load Tables				
			Working Load U.D.L (kN)	Working Load U.D.L (kN)
Span (m)	Section Reference	Weight (kg/m)	Gravity	Suction
7.5	175x65x2.0	5.2	6.15	5.86
	205x65x1.5	4.3	6.74	3.69
	205x65x1.8	5.2	8.06	5.25
	205x65x2.0	5.7	8.93	6.29
	235x65x1.5	4.7	8.39	4.40
	235x65x1.8	5.6	10.03	6.26
	235x65x2.0	6.2	11.11	7.50
	265x65x1.5	5	10.58	4.72
	265x65x1.8	6	13.37	6.71
	265x65x2.0	6.6	14.81	8.03
8	145x65x1.5	3.5	3.07	2.79
	145x65x1.8	4.2	3.66	4.00
	145x65x2.0	4.7	4.05	4.68
	175x65x1.5	4	4.09	3.15
	175x65x1.8	4.7	4.88	4.51
	175x65x2.0	5.2	5.40	5.43
	205x65x1.5	4.3	5.93	3.39
	205x65x1.8	5.2	7.09	4.84
	205x65x2.0	5.7	7.85	5.81
	235x65x1.5	4.7	7.37	4.05
	235x65x1.8	5.6	8.81	5.78
	235x65x2.0	6.2	9.76	6.94
	265x65x1.5	5	9.60	4.34
	265x65x1.8	6	11.75	6.19
265x65x2.0	6.6	13.02	7.41	
8.5	145x65x1.5	3.5	2.71	2.59
	145x65x1.8	4.2	3.24	3.72
	145x65x2.0	4.7	3.58	4.25
	175x65x1.5	4	3.61	2.93
	175x65x1.8	4.7	4.32	4.20
	175x65x2.0	5.2	4.78	5.04
	205x65x1.5	4.3	5.26	3.14
	205x65x1.8	5.2	6.28	4.50
	205x65x2.0	5.7	6.95	5.40
	235x65x1.5	4.7	6.52	3.75
	235x65x1.8	5.6	7.81	5.37
	235x65x2.0	6.2	8.64	6.45
	265x65x1.5	5	8.71	4.02
	265x65x1.8	6	10.40	5.74
265x65x2.0	6.6	11.53	6.89	



IRISH ROLLFORMING

Single Span Purlin Load Tables				
			Working Load U.D.L (kN)	Working Load U.D.L (kN)
Span (m)	Section Reference	Weight (kg/m)	Gravity	Suction
9	145x65x1.5	3.5	2.43	2.42
	145x65x1.8	4.2	2.89	3.48
	145x65x2.0	4.7	3.20	4.19
	175x65x1.5	4	3.23	2.73
	175x65x1.8	4.7	3.85	3.93
	175x65x2.0	5.2	4.27	4.72
	205x65x1.5	4.3	4.68	2.93
	205x65x1.8	5.2	5.60	4.20
	205x65x2.0	5.7	6.20	5.04
	235x65x1.5	4.7	5.82	3.50
	235x65x1.8	5.6	6.96	5.02
	235x65x2.0	6.2	7.71	6.03
	265x65x1.5	5	7.76	3.74
	265x65x1.8	6	9.29	5.36
	265x65x2.0	6.6	10.29	6.44

