

**ProSigma+ S390 (Prepainted) - Double Span Rails - Load Tables**

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads										Ultimate U.D.L. in kN/Span				
			Allowable loading in kN/m <sup>2</sup>										Deflection Span /150	Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres												0	1	2
1200	1400	1600	1800	2000	2200	2400	2600	2800									
<b>S390 - Double Span Rails - Span = 3m</b>																	
DP-PSP145/65/150	3.71	13.34	3.70	3.18	2.78	2.47	2.22	2.02	1.85	1.71	1.59	35.53	20.01	20.01	20.01	20.01	
DP-PSP145/65/200	4.91	23.23	6.45	5.53	4.84	4.30	3.87	3.52	3.23	2.98	2.76	46.45	34.84	34.84	34.84	34.84	
DP-PSP175/65/150	4.06	15.38	4.27	3.66	3.20	2.85	2.56	2.33	2.14	1.97	1.83	51.83	23.08	23.08	23.08	23.08	
DP-PSP175/65/200	5.37	27.41	7.61	6.53	5.71	5.08	4.57	4.15	3.81	3.51	3.26	67.90	41.12	41.12	41.12	41.12	
DP-PSP205/65/150	4.4	18.16	5.04	4.32	3.78	3.36	3.03	2.75	2.52	2.33	2.16	75.36	27.24	27.24	27.24	27.24	
DP-PSP205/65/200	5.83	33.17	9.21	7.90	6.91	6.14	5.53	5.03	4.61	4.25	3.95	98.86	49.76	49.76	49.76	49.76	
DP-PSP235/65/150	4.75	19.89	5.52	4.73	4.14	3.68	3.31	3.01	2.76	2.55	2.37	99.86	29.83	29.83	29.83	29.83	
DP-PSP235/65/200	6.29	37.34	10.37	8.89	7.78	6.92	6.22	5.66	5.19	4.79	4.45	131.18	56.01	56.01	56.01	56.01	
DP-PSP265/65/150	5.09	22.19	6.16	5.28	4.62	4.11	3.70	3.36	3.08	2.84	2.64	133.24	33.28	33.28	33.28	33.28	
DP-PSP265/65/200	6.75	42.97	11.94	10.23	8.95	7.96	7.16	6.51	5.97	5.51	5.12	175.22	64.45	64.45	64.45	64.45	
DP-PSP300/65/150	5.49	26.90	7.47	6.40	5.60	4.98	4.48	4.08	3.74	3.45	3.20	179.86	40.35	40.35	40.35	40.35	
DP-PSP300/65/200	7.29	47.18	13.11	11.23	9.83	8.74	7.86	7.15	6.55	6.05	5.62	236.79	70.77	70.77	70.77	70.77	
DP-PSP325/65/150	5.78	30.17	8.38	7.18	6.29	5.59	5.03	4.57	4.19	3.87	3.59	218.55	45.26	45.26	45.26	45.26	
DP-PSP325/65/200	7.68	52.96	14.71	12.61	11.03	9.81	8.83	8.02	7.36	6.79	6.30	287.93	79.43	79.43	79.43	79.43	
<b>S390 - Double Span Rails - Span = 3.5m</b>																	
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2	
DP-PSP145/65/150	3.71	11.79	2.81	2.41	2.10	1.87	1.68	1.53	1.40	1.30	1.20	26.11	17.68	17.68	17.68	17.68	
DP-PSP145/65/200	4.91	20.25	4.82	4.13	3.62	3.21	2.89	2.63	2.41	2.23	2.07	34.13	30.38	30.38	30.38	30.38	
DP-PSP175/65/150	4.06	13.71	3.27	2.80	2.45	2.18	1.96	1.78	1.63	1.51	1.40	38.08	20.57	20.57	20.57	20.57	
DP-PSP175/65/200	5.37	24.01	5.72	4.90	4.29	3.81	3.43	3.12	2.86	2.64	2.45	49.88	36.01	36.01	36.01	36.01	
DP-PSP205/65/150	4.4	16.35	3.89	3.34	2.92	2.59	2.34	2.12	1.95	1.80	1.67	55.37	24.52	24.52	24.52	24.52	
DP-PSP205/65/200	5.83	29.19	6.95	5.96	5.21	4.63	4.17	3.79	3.47	3.21	2.98	72.64	43.78	43.78	43.78	43.78	
DP-PSP235/65/150	4.75	18.10	4.31	3.69	3.23	2.87	2.59	2.35	2.16	1.99	1.85	73.37	27.16	27.16	27.16	27.16	
DP-PSP235/65/200	6.29	33.02	7.86	6.74	5.90	5.24	4.72	4.29	3.93	3.63	3.37	96.38	49.53	49.53	49.53	49.53	
DP-PSP265/65/150	5.09	20.46	4.87	4.18	3.65	3.25	2.92	2.66	2.44	2.25	2.09	97.89	30.70	30.70	30.70	30.70	
DP-PSP265/65/200	6.75	38.20	9.09	7.79	6.82	6.06	5.46	4.96	4.55	4.20	3.90	128.73	57.29	57.29	57.29	57.29	
DP-PSP300/65/150	5.49	23.06	5.49	4.71	4.12	3.66	3.29	2.99	2.74	2.53	2.35	132.14	34.59	34.59	34.59	34.59	
DP-PSP300/65/200	7.29	40.44	9.63	8.25	7.22	6.42	5.78	5.25	4.81	4.44	4.13	173.97	60.66	60.66	60.66	60.66	
DP-PSP325/65/150	5.78	25.86	6.16	5.28	4.62	4.11	3.69	3.36	3.08	2.84	2.64	160.57	38.79	38.79	38.79	38.79	
DP-PSP325/65/200	7.68	45.39	10.81	9.26	8.11	7.20	6.48	5.89	5.40	4.99	4.63	211.54	68.09	68.09	68.09	68.09	
<b>S390 - Double Span Rails - Span = 4m</b>																	
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2	
DP-PSP145/65/150	3.71	10.54	2.20	1.88	1.65	1.46	1.32	1.20	1.10	1.01	0.94	19.99	15.82	15.82	15.82	15.82	
DP-PSP145/65/200	4.91	17.95	3.74	3.21	2.80	2.49	2.24	2.04	1.87	1.73	1.60	26.13	26.92	26.92	26.92	26.92	
DP-PSP175/65/150	4.06	12.34	2.57	2.20	1.93	1.71	1.54	1.40	1.29	1.19	1.10	29.16	18.51	18.51	18.51	18.51	
DP-PSP175/65/200	5.37	21.34	4.45	3.81	3.33	2.96	2.67	2.42	2.22	2.05	1.91	38.19	32.01	32.01	32.01	32.01	
DP-PSP205/65/150	4.4	14.81	3.08	2.64	2.31	2.06	1.85	1.68	1.54	1.42	1.32	42.39	22.21	22.21	22.21	22.21	
DP-PSP205/65/200	5.83	26.03	5.42	4.65	4.07	3.61	3.25	2.96	2.71	2.50	2.32	55.61	39.04	39.04	39.04	39.04	
DP-PSP235/65/150	4.75	16.52	3.44	2.95	2.58	2.29	2.06	1.88	1.72	1.59	1.47	56.17	24.78	24.78	24.78	24.78	
DP-PSP235/65/200	6.29	29.55	6.16	5.28	4.62	4.10	3.69	3.36	3.08	2.84	2.64	73.79	44.32	44.32	44.32	44.32	
DP-PSP265/65/150	5.09	18.83	3.92	3.36	2.94	2.62	2.35	2.14	1.96	1.81	1.68	74.95	28.24	28.24	28.24	28.24	
DP-PSP265/65/200	6.75	34.30	7.15	6.13	5.36	4.76	4.29	3.90	3.57	3.30	3.06	98.56	51.46	51.46	51.46	51.46	
DP-PSP300/65/150	5.49	20.18	4.20	3.60	3.15	2.80	2.52	2.29	2.10	1.94	1.80	101.17	30.26	30.26	30.26	30.26	
DP-PSP300/65/200	7.29	35.38	7.37	6.32	5.53	4.91	4.42	4.02	3.69	3.40	3.16	133.19	53.08	53.08	53.08	53.08	
DP-PSP325/65/150	5.78	22.63	4.71	4.04	3.54	3.14	2.83	2.57	2.36	2.18	2.02	122.94	33.94	33.94	33.94	33.94	
DP-PSP325/65/200	7.68	39.72	8.27	7.09	6.21	5.52	4.96	4.51	4.14	3.82	3.55	161.96	59.58	59.58	59.58	59.58	
<b>S390 - Double Span Rails - Span = 4.5m</b>																	
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2	
DP-PSP145/65/150	3.71	9.53	1.76	1.51	1.32	1.18	1.06	0.96	0.88	0.81	0.76	15.79	14.30	14.30	14.30	14.30	
DP-PSP145/65/200	4.91	16.11	2.98	2.56	2.24	1.99	1.79	1.63	1.49	1.38	1.28	20.65	24.16	24.16	24.16	24.16	
DP-PSP175/65/150	4.06	11.20	2.07	1.78	1.56	1.38	1.24	1.13	1.04	0.96	0.89	23.04	16.80	16.80	16.80	16.80	
DP-PSP175/65/200	5.37	19.20	3.56	3.05	2.67	2.37	2.13	1.94	1.78	1.64	1.52	30.18	28.80	28.80	28.80	28.80	
DP-PSP205/65/150	4.4	13.51	2.50	2.14	1.88	1.67	1.50	1.36	1.25	1.15	1.07	33.49	20.26	20.26	20.26	20.26	
DP-PSP205/65/200	5.83	23.47	4.35	3.73	3.26	2.90	2.61	2.37	2.17	2.01	1.86	43.94	35.21	35.21	35.21	35.21	
DP-PSP235/65/150	4.75	15.15	2.80	2.40	2.10	1.87	1.68	1.53	1.40	1.29	1.20	44.38	22.72	22.72	22.72	22.72	
DP-PSP235/65/200	6.29	26.71	4.95	4.24	3.71	3.30	2.97	2.70	2.47	2.28	2.12	58.30	40.07	40.07	40.07	40.07	
DP-PSP265/65/150	5.09	17.36	3.22	2.76	2.41	2.14	1.93	1.75	1.61	1.48	1.38	59.22	26.04	26.04	26.04	26.04	
DP-PSP265/65/200	6.75	31.10	5.76	4.94	4.32	3.84	3.46	3.14	2.88	2.66	2.47	77.88	46.65	46.65	46.65	46.65	
DP-PSP300/65/150	5.49	17.93	3.32	2.85	2.49	2.21	1.99	1.81	1.66	1.53	1.42	79.94	26.90	26.90	26.90	26.90	
DP-PSP300/65/200	7.29	31.45	5.82	4.99	4.37	3.88	3.49	3.18	2.91	2.69	2.50	105.24	47.18	47.18	47.18	47.18	
DP-PSP325/65/150	5.78	20.12	3.73	3.19	2.79	2.48	2.24	2.03	1.86	1.72	1.60	97.13	30.17	30.17	30.17	30.17	
DP-PSP325/65/200	7.68	35.30	6.54	5.60	4.90	4.36	3.92	3.57	3.27	3.02	2.80	127.97	52.96	52.96	52.96	52.96	
<b>S390 - Double Span Rails - Span = 5m</b>																	
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2	
DP-PSP145/65/150	3.71	8.69	1.45	1.24	1.09	0.97	0.87	0.79	0.72	0.67	0.63	12.79	13.04	13.04	13.04	13.04	
DP-PSP145/65/200	4.91	14.61	2.44	2.09	1.83	1.											

**ProSigma+ S390 (Prepainted) - Double Span Rails - Load Tables**

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads										Ultimate U.D.L. in kN/Span				
			Allowable loading in kN/m <sup>2</sup>										Deflection Span /150	Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres												Number of anti sag rods		
1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	0	1	2				
DP-PSP145/65/200	4.91	13.37	2.03	1.74	1.52	1.35	1.22	1.10	1.01	0.93	0.87	13.82	20.05	18.96	20.05	20.05	
DP-PSP175/65/150	4.06	9.44	1.43	1.23	1.07	0.95	0.86	0.78	0.72			15.42	14.16	13.44	14.16	14.16	
DP-PSP175/65/200	5.37	15.98	2.42	2.08	1.82	1.61	1.45	1.32	1.21	1.12	1.04	20.20	23.97	21.78	23.97	23.97	
DP-PSP205/65/150	4.4	11.45	1.74	1.49	1.30	1.16	1.04	0.95	0.87	0.80	0.74	22.42	17.18	14.84	17.18	17.18	
DP-PSP205/65/200	5.83	19.60	2.97	2.55	2.23	1.98	1.78	1.62	1.48	1.37	1.27	29.41	29.40	23.87	29.40	29.40	
DP-PSP235/65/150	4.75	12.93	1.96	1.68	1.47	1.31	1.18	1.07	0.98	0.90	0.84	29.71	19.40	17.59	19.40	19.40	
DP-PSP235/65/200	6.29	22.39	3.39	2.91	2.54	2.26	2.04	1.85	1.70	1.57	1.45	39.03	33.58	28.33	33.58	33.58	
DP-PSP265/65/150	5.09	14.94	2.26	1.94	1.70	1.51	1.36	1.23	1.13	1.04	0.97	39.64	22.41	19.15	22.41	22.41	
DP-PSP265/65/200	6.75	26.16	3.96	3.40	2.97	2.64	2.38	2.16	1.98	1.83	1.70	52.13	39.23	30.71	39.23	39.23	
DP-PSP300/65/150	5.49	14.67	2.22	1.91	1.67	1.48	1.33	1.21	1.11	1.03	0.95	53.51	22.01	21.36	22.01	22.01	
DP-PSP300/65/200	7.29	25.45	3.86	3.31	2.89	2.57	2.31	2.10	1.93	1.78	1.65	70.45	38.18	34.17	38.18	38.18	
DP-PSP325/65/150	5.78	16.46	2.49	2.14	1.87	1.66	1.50	1.36	1.25	1.15	1.07	65.02	24.69	22.47	24.69	24.69	
DP-PSP325/65/200	7.68	27.75	4.20	3.60	3.15	2.80	2.52	2.29	2.10	1.94	1.80	85.67	41.62	35.82	41.62	41.62	

S390 - Double Span Rails - Span = 6m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	7.38	1.03	0.88	0.77	0.68						8.88	11.07	10.18	11.07	11.07
DP-PSP145/65/200	4.91	11.61	1.61	1.38	1.21	1.08	0.97	0.88	0.81	0.74	0.69	11.61	18.47	16.74	18.47	18.47
DP-PSP175/65/150	4.06	8.75	1.21	1.04	0.91	0.81	0.73					12.96	13.12	11.72	13.12	13.12
DP-PSP175/65/200	5.37	14.74	2.05	1.75	1.54	1.36	1.23	1.12	1.02	0.94	0.88	16.97	22.11	19.16	22.11	22.11
DP-PSP205/65/150	4.4	10.64	1.48	1.27	1.11	0.98	0.89	0.81	0.74	0.68		18.84	15.96	12.88	15.96	15.96
DP-PSP205/65/200	5.83	18.10	2.51	2.16	1.89	1.68	1.51	1.37	1.26	1.16	1.08	24.72	27.15	20.91	26.89	27.15
DP-PSP235/65/150	4.75	12.04	1.67	1.43	1.25	1.11	1.00	0.91	0.84	0.77	0.72	24.97	18.06	15.29	18.06	18.06
DP-PSP235/65/200	6.29	20.70	2.88	2.46	2.16	1.92	1.73	1.57	1.44	1.33	1.23	32.79	31.05	24.84	31.05	31.05
DP-PSP265/65/150	5.09	13.94	1.94	1.66	1.45	1.29	1.16	1.06	0.97	0.89	0.83	33.31	20.91	16.60	20.91	20.91
DP-PSP265/65/200	6.75	24.22	3.36	2.88	2.52	2.24	2.02	1.83	1.68	1.55	1.44	43.81	36.33	26.87	34.87	36.33
DP-PSP300/65/150	5.49	13.45	1.87	1.60	1.40	1.25	1.12	1.02	0.93	0.86	0.80	44.96	20.18	18.49	20.18	20.18
DP-PSP300/65/200	7.29	22.31	3.10	2.66	2.32	2.07	1.86	1.69	1.55	1.43	1.33	59.20	33.46	29.85	33.46	33.46
DP-PSP325/65/150	5.78	14.94	2.08	1.78	1.56	1.38	1.25	1.13	1.04	0.96	0.89	54.64	22.41	19.41	22.41	22.41
DP-PSP325/65/200	7.68	24.25	3.37	2.89	2.53	2.25	2.02	1.84	1.68	1.55	1.44	71.98	36.38	31.24	36.38	36.38

S390 - Double Span Rails - Span = 6.5m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	6.86	0.88	0.75								7.57	10.30	9.04	10.30	10.30
DP-PSP145/65/200	4.91	9.90	1.27	1.09	0.95	0.85	0.76	0.69				9.90	17.12	14.98	17.12	17.12
DP-PSP175/65/150	4.06	8.15	1.04	0.90	0.78	0.70						11.04	12.22	10.38	12.22	12.22
DP-PSP175/65/200	5.37	13.68	1.75	1.50	1.32	1.17	1.05	0.96	0.88	0.81	0.75	14.46	20.52	17.09	20.52	20.52
DP-PSP205/65/150	4.4	9.93	1.27	1.09	0.95	0.85	0.76	0.69				16.05	14.89	11.36	14.89	14.89
DP-PSP205/65/200	5.83	16.82	2.16	1.85	1.62	1.44	1.29	1.18	1.08	1.00	0.92	21.06	25.22	18.60	23.43	25.22
DP-PSP235/65/150	4.75	11.26	1.44	1.24	1.08	0.96	0.87	0.79	0.72	0.67		21.27	16.88	13.50	16.88	16.88
DP-PSP235/65/200	6.29	19.25	2.47	2.12	1.85	1.65	1.48	1.35	1.23	1.14	1.06	27.94	28.87	22.11	27.75	28.87
DP-PSP265/65/150	5.09	13.06	1.67	1.44	1.26	1.12	1.00	0.91	0.84	0.77	0.72	28.38	19.59	14.62	19.37	19.59
DP-PSP265/65/200	6.75	22.55	2.89	2.48	2.17	1.93	1.73	1.58	1.45	1.33	1.24	37.33	33.82	23.86	30.31	33.82
DP-PSP300/65/150	5.49	12.19	1.56	1.34	1.17	1.04	0.94	0.85	0.78	0.72	0.67	38.31	18.28	16.26	18.28	18.28
DP-PSP300/65/200	7.29	19.61	2.51	2.16	1.89	1.68	1.51	1.37	1.26	1.16	1.08	50.44	29.42	26.48	29.42	29.42
DP-PSP325/65/150	5.78	13.27	1.70	1.46	1.28	1.13	1.02	0.93	0.85	0.79	0.73	46.56	19.91	17.04	19.91	19.91
DP-PSP325/65/200	7.68	21.27	2.73	2.34	2.04	1.82	1.64	1.49	1.36	1.26	1.17	61.33	31.90	27.67	31.90	31.90

S390 - Double Span Rails - Span = 7m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	6.41	0.76									6.53	9.62	8.13	9.62	9.62
DP-PSP145/65/200	4.91	8.53	1.02	0.87	0.76	0.68						8.53	15.96	13.55	15.96	15.96
DP-PSP175/65/150	4.06	7.62	0.91	0.78	0.68							9.52	11.44	9.30	11.44	11.44
DP-PSP175/65/200	5.37	12.47	1.48	1.27	1.11	0.99	0.89	0.81	0.74	0.69		12.47	19.14	15.43	18.72	19.14
DP-PSP205/65/150	4.4	9.30	1.11	0.95	0.83	0.74						13.84	13.95	10.15	13.08	13.95
DP-PSP205/65/200	5.83	15.70	1.87	1.60	1.40	1.25	1.12	1.02	0.93	0.86	0.80	18.16	23.55	16.74	20.70	23.55
DP-PSP235/65/150	4.75	10.57	1.26	1.08	0.94	0.84	0.75	0.69				18.34	15.85	12.07	15.49	15.85
DP-PSP235/65/200	6.29	17.99	2.14	1.84	1.61	1.43	1.28	1.17	1.07	0.99	0.92	24.09	26.98	19.91	24.53	26.98
DP-PSP265/65/150	5.09	12.28	1.46	1.25	1.10	0.97	0.88	0.80	0.73	0.67	0.63	24.47	18.42	13.05	16.96	18.42
DP-PSP265/65/200	6.75	21.09	2.51	2.15	1.88	1.67	1.51	1.37	1.26	1.16	1.08	32.18	31.63	21.46	26.72	31.63
DP-PSP300/65/150	5.49	10.88	1.30	1.11	0.97	0.86	0.78	0.71				33.04	16.33	14.50	16.33	16.33
DP-PSP300/65/200	7.29	17.31	2.06	1.77	1.55	1.37	1.24	1.12	1.03	0.95	0.88	43.49	25.96	23.79	25.96	25.96
DP-PSP325/65/150	5.78	11.83	1.41	1.21	1.06	0.94	0.84	0.77	0.70			40.14	17.74	15.17	17.74	17.74
DP-PSP325/65/200	7.68	18.71	2.23	1.91	1.67	1.49	1.34	1.22	1.11	1.03	0.95	52.89	28.07	24.82	28.07	28.07

S390 - Double Span Rails - Span = 7.5m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP145/65/200	4.91	7.43	0.83	0.71								7.43	14.94	12.38	14.56	14.94
DP-PSP175/65/150	4.06	7.16	0.80	0.68								8.29	10.74	8.43	10.46	10.74
DP-PSP175/65/200	5.37	10.86	1.21	1.03	0.91	0.80	0.72					10.86	17.93	14.06	16.79	17.93
DP-PSP205/65/150	4.4	8.75	0.97	0.83	0.73							12.06	13.12	9.17	11.61	13.12
DP-PSP205/65/200	5.83	14.72	1.64	1.40	1.23	1.09	0.98	0.89	0.82	0.75	0.70	15.82	22.08	15.22	18.49	22.08
DP-PSP235/65/150	4.75	9.95	1.11	0.95	0.83	0.74						15.98	14.93	10.91	13.75	14.93
DP-PSP235/65/200	6.29	16.88	1.88	1.61	1.41	1.25	1.13	1.02	0.94	0.87	0.80	20.99	25.32	18.11	21.93	25.32
DP-PSP265/65/150	5.09	11.58	1.29	1.10	0.97	0.86	0.77	0.70	0.64	0.59	0.55	21.32	17.37	11.78	15.02	17.37
DP-PSP265/65/200	6.75	19.80	2.20	1.89	1.65	1.47	1.32	1.20	1.10	1.02	0.94	28.04	29.70	19.49	23.84	29.70
DP-PSP300/65/150	5.49	9.74	1.08	0.93	0.81	0.72						28.78	14.62	13.07	14.62	14.62
DP-PSP300/65/200	7.29	15.32	1.70	1.46	1.28	1.14	1.02	0.93	0.85	0.79	0.73	37.89	22.99	21.59	22.99	22.99
DP-PSP325/65/150	5.78	10.56	1.17	1.01	0.88	0.78	0.70					34.97	15.84	13.65	15.84	15.84

**ProSigma+ S390 (Prepainted) - Double Span Rails - Load Tables**

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads										Ultimate U.D.L. in kN/Span				
			Allowable loading in kN/m <sup>2</sup>										Deflection Span /150	Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres												Number of anti sag rods		
1200	1400	1600	1800	2000	2200	2400	2600	2800			0	1	2				
DP-PSP205/65/200	5.83	13.86	1.44	1.24	1.08	0.96	0.87	0.79	0.72	0.67		13.90	20.78	13.95	16.69	20.78	
DP-PSP235/65/150	4.75	9.40	0.98	0.84	0.73							14.04	14.11	9.95	12.34	14.11	
DP-PSP235/65/200	6.29	15.90	1.66	1.42	1.24	1.10	0.99	0.90	0.83	0.76	0.71	18.45	23.84	16.62	19.81	23.84	
DP-PSP265/65/150	5.09	10.96	1.14	0.98	0.86	0.76	0.68	0.62	0.57	0.53	0.49	18.74	16.44	10.73	13.45	16.44	
DP-PSP265/65/200	6.75	18.66	1.94	1.67	1.46	1.30	1.17	1.06	0.97	0.90	0.83	24.64	27.99	17.86	21.49	27.99	
DP-PSP300/65/150	5.49	8.74	0.91	0.78	0.68							25.29	13.12	11.90	13.12	13.12	
DP-PSP300/65/200	7.29	13.63	1.42	1.22	1.06	0.95	0.85	0.77	0.71			33.30	20.44	19.77	20.44	20.44	
DP-PSP325/65/150	5.78	9.46	0.99	0.84	0.74							30.73	14.19	12.41	14.19	14.19	
DP-PSP325/65/200	7.68	14.66	1.53	1.31	1.15	1.02	0.92	0.83	0.76	0.70		40.49	21.99	20.58	21.99	21.99	

S390 - Double Span Rails - Span = 8.5m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP175/65/200	5.37	8.46	0.83	0.71								8.46	15.92	11.95	13.89	15.92
DP-PSP205/65/150	4.4	7.82	0.77									9.39	11.73	7.68	9.42	11.73
DP-PSP205/65/200	5.83	12.32	1.21	1.03	0.91	0.80	0.72					12.32	19.63	12.88	15.20	19.63
DP-PSP235/65/150	4.75	8.91	0.87	0.75								12.44	13.37	9.15	11.17	13.37
DP-PSP235/65/200	6.29	15.02	1.47	1.26	1.10	0.98	0.88	0.80	0.74	0.68		16.34	22.53	15.35	18.05	22.53
DP-PSP265/65/150	5.09	10.40	1.02	0.87	0.76	0.68						16.60	15.60	9.85	12.15	15.60
DP-PSP265/65/200	6.75	17.65	1.73	1.48	1.30	1.15	1.04	0.94	0.87	0.80	0.74	21.83	26.47	16.48	19.55	25.75
DP-PSP300/65/150	5.49	7.87	0.77									22.40	11.80	10.91	11.80	11.80
DP-PSP300/65/200	7.29	12.17	1.19	1.02	0.89	0.80	0.72					29.50	18.25	18.23	18.25	18.25
DP-PSP325/65/150	5.78	8.49	0.83	0.71								27.22	12.73	11.38	12.73	12.73
DP-PSP325/65/200	7.68	13.07	1.28	1.10	0.96	0.85	0.77	0.70				35.87	19.60	18.96	19.60	19.60

S390 - Double Span Rails - Span = 9m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP175/65/200	5.37	7.54	0.70									7.54	15.08	11.12	12.77	15.08
DP-PSP205/65/150	4.4	7.42	0.69									8.37	11.14	7.11	8.59	11.14
DP-PSP205/65/200	5.83	10.98	1.02	0.87	0.76							10.98	18.60	11.97	13.94	17.93
DP-PSP235/65/150	4.75	8.47	0.78	0.67								11.10	12.70	8.47	10.19	12.70
DP-PSP235/65/200	6.29	14.24	1.32	1.13	0.99	0.88	0.79	0.72				14.58	21.36	14.27	16.56	21.22
DP-PSP265/65/200	6.75	16.73	1.55	1.33	1.16	1.03	0.93	0.85	0.77			19.47	25.10	15.30	17.91	23.25
DP-PSP300/65/200	7.29	10.92	1.01	0.87	0.76	0.67						26.31	16.38	16.38	16.38	16.38
DP-PSP325/65/150	5.78	7.64	0.71									24.28	11.47	10.50	11.47	11.47
DP-PSP325/65/200	7.68	11.70	1.08	0.93	0.81	0.72						31.99	17.55	17.55	17.55	17.55

S390 - Double Span Rails - Span = 9.5m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP205/65/200	5.83	9.86	0.86	0.74								9.86	17.67	11.17	12.87	16.33
DP-PSP235/65/150	4.75	8.07	0.71									9.96	12.10	7.88	9.36	12.10
DP-PSP235/65/200	6.29	13.08	1.15	0.98	0.86	0.76	0.69					13.08	20.30	13.33	15.30	19.34
DP-PSP265/65/200	6.75	15.91	1.40	1.20	1.05	0.93	0.84	0.76	0.70	0.64	0.60	17.47	23.87	14.28	16.53	21.14
DP-PSP300/65/200	7.29	9.85	0.86	0.74								23.61	14.77	14.77	14.77	14.77
DP-PSP325/65/200	7.68	10.53	0.92	0.79	0.69							28.71	15.80	15.80	15.80	15.80

S390 - Double Span Rails - Span = 10m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP205/65/200	5.83	8.90	0.74									8.90	16.83	10.48	11.96	14.97
DP-PSP235/65/200	6.29	11.81	0.98	0.84	0.74							11.81	19.34	12.51	14.22	17.73
DP-PSP300/65/200	7.29	8.93	0.74									21.31	13.39	13.39	13.39	13.39
DP-PSP325/65/200	7.68	9.53	0.79	0.68								25.91	14.29	14.29	14.29	14.29