ProSigma+ S390 (Prepainted) - Single Span Rails - Load Tables

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads: Allowable loading in kN/m² Rail Centres in millimetres 1200	1400	1600	1800	2000	2200	2400	2600	2800	Deflect-ion Span /150	Gravity Load	Ultimate U.D.L. in kN/Span: Uplift - metal cladding Number of anti sag rods 0	1	2
S390 - Single Span Rails - Span = 3m																
DP-PSP145/65/150	3.71	13.34	3.71	3.18	2.78	2.47	2.22	2.02	1.85	1.71	1.59	25.69	20.01	16.07	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	2.77	33.59	34.85	25.34	34.85	34.85
DP-PSP175/65/150	4.06	17.18	4.77	4.09	3.58	3.18	2.86	2.60	2.39	2.20	2.05	34.28	25.77	19.00	25.77	25.77
DP-PSP175/65/200	5.37	29.98	8.33	7.14	6.25	5.55	5.00	4.54	4.16	3.84	3.57	44.91	44.97	29.71	44.97	44.97
DP-PSP205/65/150	4.4	21.32	5.92	5.08	4.44	3.95	3.55	3.23	2.96	2.73	2.54	49.84	31.99	21.50	31.99	31.99
DP-PSP205/65/200	5.83	37.27	10.35	8.87	7.76	6.90	6.21	5.65	5.18	4.78	4.44	65.39	55.90	33.34	52.85	55.90
DP-PSP235/65/150	4.75	25.76	7.15	6.13	5.37	4.77	4.29	3.90	3.58	3.30	3.07	62.03	38.64	25.43	38.64	38.64
DP-PSP235/65/200	6.29	45.07	12.52	10.73	9.39	8.35	7.51	6.83	6.26	5.78	5.37	81.48	67.61	39.44	62.96	67.61
DP-PSP265/65/150	5.09	30.48	8.47	7.26	6.35	5.64	5.08	4.62	4.23	3.91	3.63	82.76	45.72	28.12	44.49	45.72
DP-PSP265/65/200	6.75	53.39	14.83	12.71	11.12	9.89	8.90	8.09	7.42	6.85	6.36	108.83	80.09	43.37	71.04	80.09
DP-PSP300/65/150	5.49	36.34	10.09	8.65	7.57	6.73	6.06	5.51	5.05	4.66	4.33	111.71	54.51	31.65	51.22	54.51
DP-PSP300/65/200	7.29	63.73	17.70	15.17	13.28	11.80	10.62	9.66	8.85	8.17	7.59	147.07	95.60	48.64	81.33	95.60
DP-PSP325/65/150	5.78	40.76	11.32	9.71	8.49	7.55	6.79	6.18	5.66	5.23	4.85	135.75	61.14	33.69	55.64	61.14
DP-PSP325/65/200	7.68	71.54	19.87	17.03	14.90	13.25	11.92	10.84	9.94	9.17	8.52	178.84	107.31	51.55	87.91	107.31
S390 - Single Span Rails - Span = 3.5m																
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	11.43	2.72	2.33	2.04	1.82	1.63	1.49	1.36	1.26	1.17	18.87	17.15	12.35	17.15	17.15
DP-PSP145/65/200	4.91	19.92	4.74	4.06	3.56	3.16	2.85	2.59	2.37	2.19	2.03	24.68	29.87	19.66	29.33	29.87
DP-PSP175/65/150	4.06	14.73	3.51	3.01	2.63	2.34	2.10	1.91	1.75	1.62	1.50	25.19	22.09	14.47	22.09	22.09
DP-PSP175/65/200	5.37	25.70	6.12	5.24	4.59	4.08	3.67	3.34	3.06	2.82	2.62	32.99	38.55	22.86	35.30	38.55
DP-PSP205/65/150	4.4	18.28	4.35	3.73	3.26	2.90	2.61	2.37	2.18	2.01	1.87	36.62	27.42	16.23	25.84	27.42
DP-PSP205/65/200	5.83	31.94	7.61	6.52	5.70	5.07	4.56	4.15	3.80	3.51	3.26	48.04	47.92	25.42	40.72	47.92
DP-PSP235/65/150	4.75	22.08	5.26	4.51	3.94	3.50	3.15	2.87	2.63	2.43	2.25	45.57	33.12	19.20	30.75	33.12
DP-PSP235/65/200	6.29	38.64	9.20	7.88	6.90	6.13	5.52	5.02	4.60	4.25	3.94	59.86	57.95	30.10	48.34	57.95
DP-PSP265/65/150	5.09	26.12	6.22	5.33	4.66	4.15	3.73	3.39	3.11	2.87	2.67	60.80	39.18	21.10	34.67	39.18
DP-PSP265/65/200	6.75	45.76	10.90	9.34	8.17	7.26	6.54	5.94	5.45	5.03	4.67	79.96	68.65	32.91	54.14	68.65
DP-PSP300/65/150	5.49	31.15	7.42	6.36	5.56	4.94	4.45	4.05	3.71	3.42	3.18	82.07	46.72	23.66	39.65	46.72
DP-PSP300/65/200	7.29	54.63	13.01	11.15	9.76	8.67	7.80	7.09	6.50	6.00	5.57	108.05	81.94	36.79	61.57	81.12
DP-PSP325/65/150	5.78	34.94	8.32	7.13	6.24	5.55	4.99	4.54	4.16	3.84	3.57	99.73	52.41	25.07	42.84	52.41
DP-PSP325/65/200	7.68	61.32	14.60	12.51	10.95	9.73	8.76	7.96	7.30	6.74	6.26	131.39	91.98	38.83	66.17	88.44
S390 - Single Span Rails - Span = 4m																
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	10.01	2.08	1.79	1.56	1.39	1.25	1.14	1.04	0.96	0.89	14.45	15.01	9.90	14.86	15.01
DP-PSP145/65/200	4.91	17.43	3.63	3.11	2.72	2.42	2.18	1.98	1.82	1.68	1.56	18.89	26.14	15.94	23.47	26.14
DP-PSP175/65/150	4.06	12.89	2.68	2.30	2.01	1.79	1.61	1.46	1.34	1.24	1.15	19.28	19.33	11.51	17.87	19.33
DP-PSP175/65/200	5.37	22.49	4.68	4.02	3.51	3.12	2.81	2.56	2.34	2.16	2.01	25.26	33.73	18.41	28.02	33.73
DP-PSP205/65/150	4.4	15.99	3.33	2.86	2.50	2.22	2.00	1.82	1.67	1.54	1.43	28.04	23.99	12.81	20.62	23.99
DP-PSP205/65/200	5.83	27.95	5.82	4.99	4.37	3.88	3.49	3.18	2.91	2.69	2.50	36.78	41.93	20.32	32.05	41.93
DP-PSP235/65/150	4.75	19.32	4.02	3.45	3.02	2.68	2.41	2.20	2.01	1.86	1.72	34.89	28.98	15.17	24.47	28.98
DP-PSP235/65/200	6.29	33.81	7.04	6.04	5.28	4.70	4.23	3.84	3.52	3.25	3.02	45.83	50.71	24.09	37.96	50.60
DP-PSP265/65/150	5.09	22.86	4.76	4.08	3.57	3.17	2.86	2.60	2.38	2.20	2.04	46.55	34.29	16.59	27.41	34.29
DP-PSP265/65/200	6.75	40.04	8.34	7.15	6.26	5.56	5.01	4.55	4.17	3.85	3.58	61.22	60.07	26.23	42.26	57.40
DP-PSP300/65/150	5.49	27.25	5.68	4.87	4.26	3.79	3.41	3.10	2.84	2.62	2.43	62.84	40.88	18.55	31.17	40.81
DP-PSP300/65/200	7.29	47.80	9.96	8.54	7.47	6.64	5.98	5.43	4.98	4.60	4.27	82.73	71.70	29.24	47.81	66.04
DP-PSP325/65/150	5.78	30.57	6.37	5.46	4.78	4.25	3.82	3.47	3.18	2.94	2.73	76.36	45.86	19.58	33.51	44.49
DP-PSP325/65/200	7.68	53.65	11.18	9.58	8.38	7.45	6.71	6.10	5.59	5.16	4.79	100.60	80.48	30.76	51.14	71.69
S390 - Single Span Rails - Span = 4.5m																
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	8.89	1.65	1.41	1.24	1.10	0.99	0.90	0.82	0.76	0.71	11.42	13.34	8.20	12.21	13.34
DP-PSP145/65/200	4.91	14.93	2.76	2.37	2.07	1.84	1.66	1.51	1.38	1.28	1.18	14.93	23.23	13.36	19.19	23.23
DP-PSP175/65/150	4.06	11.45	2.12	1.82	1.59	1.41	1.27	1.16	1.06	0.98	0.91	15.24	17.18	9.49	14.59	17.18
DP-PSP175/65/200	5.37	19.96	3.70	3.17	2.77	2.46	2.22	2.02	1.85	1.71	1.58	19.96	29.98	15.35	22.75	29.98
DP-PSP205/65/150	4.4	14.22	2.63	2.26	1.97	1.76	1.58	1.44	1.32	1.22	1.13	22.15	21.32	10.49	16.71	21.32
DP-PSP205/65/200	5.83	24.85	4.60	3.94	3.45	3.07	2.76	2.51	2.30	2.12	1.97	29.06	37.27	16.84	25.82	35.23
DP-PSP235/65/150	4.75	17.17	3.18	2.73	2.38	2.12	1.91	1.73	1.59	1.47	1.36	27.57	25.76	12.43	19.79	25.76
DP-PSP235/65/200	6.29	30.05	5.56	4.77	4.17	3.71	3.34	3.04	2.78	2.57	2.38	36.21	45.07	19.98	30.55	41.98
DP-PSP265/65/150	5.09	20.32	3.76	3.23	2.82	2.51	2.26	2.05	1.88	1.74	1.61	36.78	30.48	13.54	22.04	29.66
DP-PSP265/65/200	6.75	35.59	6.59	5.65	4.94	4.39	3.95	3.60	3.30	3.04	2.82	48.37	53.39	21.68	33.84	47.36
DP-PSP300/65/150	5.49	24.23	4.49	3.85	3.36	2.99	2.69	2.45	2.24	2.07	1.92	49.65	36.34	15.11	24.96	34.14
DP-PSP300/65/200	7.29	42.49	7.87	6.74	5.90	5.25	4.72	4.29	3.93	3.63	3.37	65.36	63.73	24.12	38.14	54.22
DP-PSP325/65/150	5.78	27.17	5.03	4.31	3.77	3.35	3.02	2.74	2.52	2.32	2.16	60.33	40.76	15.90	26.72	37.09
DP-PSP325/65/200	7.68	47.69	8.83	7.57	6.62	5.89	5.30	4.82	4.42	4.08	3.79	79.48	71.54	25.30	40.64	58.61
S390 - Single Span Rails - Span = 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	8.00	1.33	1.14	1.00	0.89	0.80	0.73	0.67			9.25	12.01	6.98	10.20	12.01
DP-PSP145/65/200	4.91	12.09	2.02	1.73	1.51	1.34	1.21	1.10	1.01	0.93	0.86	12.09	20.91	11.48	16.03	20.91
DP-PSP175/65/150	4.06	10.31	1.72	1.47	1.29	1.15	1.03	0.94	0.86	0.79	0.74	12.34	15.46	8.04	12.11	15.46
DP-PSP175/65/200	5.37	16.17	2.69	2.31	2.02	1.80	1.62	1.47	1.35	1.24	1.15	16.17	26.98	13.14	18.88	25.54
DP-PSP205/65/150	4.4	12.79	2.13	1.83	1.60	1.42	1.28	1.16	1.07	0.98	0.91	17.94	19.19	8.83	13.77	18.63
DP-PSP205/65/200	5.83	22.36	3.73	3.19	2.80	2.48	2.24	2.03	1.86	1.72	1.60	23.54	33.54	14.34	21.29	29.55
DP-PSP235/65/150	4.75	15.45	2.58	2.21	1.93	1.72	1.55	1.40	1.29	1.19	1.10	22.33	23.18	10.48	16.29	22.20
DP-PSP235/65/200	6.29	27.04	4.51	3.86	3.38	3.00	2.70	2.46	2.25	2.08	1.93	29.33	40.57	17.04	25.18	35.11
DP-PSP265/65/150	5.09	18.29	3.05	2.61	2.29	2.03	1.83	1.66	1.52	1.41	1.31	29.79	27.43	11.38	18.07	25.08
DP-PSP265/65/200	6.75	32.04	5.34	4.58	4.00	3.56	3.20	2.91	2.67	2.46	2.29	39.18	48.05	18.42	27.77	39.42
DP-PSP300/65/150	5.49	21.80	3.63	3.11	2.73	2.42	2.18	1.98	1.82	1.68	1.56	40.22	32.71	12.68	20.39	28.74
DP-PSP300/65/200	7.29	38.24	6.37	5.46	4.78	4.25	3.82	3.48	3.19	2.94	2.73	52.95	57.36	20.47	31.21	44.92
DP-PSP325/65/150	5.78	24.46	4.08	3.49	3.06	2.72	2.45	2.22	2.04	1.88	1.75	48.87	36.69	13.31	21.75	31.11
DP-PSP325/65/200	7.68	42.92	7.15	6.13	5.37	4.77	4.29	3.90	3.58	3.30	3.07	64.38	64.39	21.42	33.15	48.36
S390 - Single Span Rails - Span = 5.5m																
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	7.28	1.10	0.95	0.83	0.74						7.64	10.91	6.06	8.65	10.91

ProSigma+ S390 (Prepainted) - Single Span Rails - Load Tables

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads: Allowable loading in kN/m² Rail Centres in millimetres 1200	1400	1600	1800	2000	2200	2400	2600	2800	Deflect-ion Span /150	Gravity Load	Ultimate U.D.L. in kN/Span: Uplift - metal cladding Number of anti sag rods 0	1	2
DP-PSP145/65/200	4.91	9.99	1.51	1.30	1.14	1.01	0.91	0.83	0.76	0.70		9.99	19.01	10.06	13.65	18.11
DP-PSP175/65/150	4.06	9.37	1.42	1.22	1.06	0.95	0.85	0.77	0.71			10.20	14.06	6.96	10.21	13.76
DP-PSP175/65/200	5.37	13.36	2.02	1.74	1.52	1.35	1.21	1.10	1.01	0.93	0.87	13.36	24.53	11.47	15.99	21.74
DP-PSP205/65/150	4.4	11.63	1.76	1.51	1.32	1.17	1.06	0.96	0.88	0.81	0.76	14.83	17.45	7.61	11.55	15.95
DP-PSP205/65/200	5.83	19.45	2.95	2.53	2.21	1.97	1.77	1.61	1.47	1.36	1.26	19.45	30.49	12.48	17.92	25.00
DP-PSP235/65/150	4.75	14.05	2.13	1.82	1.60	1.42	1.28	1.16	1.06	0.98	0.91	18.45	21.07	9.04	13.66	18.97
DP-PSP235/65/200	6.29	24.24	3.67	3.15	2.75	2.45	2.20	2.00	1.84	1.70	1.57	24.24	36.88	14.83	21.21	29.65
DP-PSP265/65/150	5.09	16.62	2.52	2.16	1.89	1.68	1.51	1.37	1.26	1.16	1.08	24.62	24.94	9.79	15.09	21.33
DP-PSP265/65/200	6.75	29.12	4.41	3.78	3.31	2.94	2.65	2.41	2.21	2.04	1.89	32.38	43.68	16.00	23.30	33.14
DP-PSP300/65/150	5.49	19.82	3.00	2.57	2.25	2.00	1.80	1.64	1.50	1.39	1.29	33.24	29.73	10.89	16.98	24.35
DP-PSP300/65/200	7.29	34.76	5.27	4.51	3.95	3.51	3.16	2.87	2.63	2.43	2.26	43.76	52.15	17.76	26.12	37.61
DP-PSP325/65/150	5.78	22.23	3.37	2.89	2.53	2.25	2.02	1.84	1.68	1.55	1.44	40.39	33.35	11.40	18.06	26.27
DP-PSP325/65/200	7.68	39.02	5.91	5.07	4.43	3.94	3.55	3.22	2.96	2.73	2.53	53.21	58.53	18.55	27.67	40.36

S390 - Single 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	6.42	0.89	0.76	0.67							6.42	10.01	5.36	7.45	9.91
DP-PSP145/65/200	4.91	8.40	1.17	1.00	0.87	0.78	0.70					8.40	17.43	8.95	11.82	15.65
DP-PSP175/65/150	4.06	8.57	1.19	1.02	0.89	0.79	0.71					8.57	12.89	6.13	8.76	11.92
DP-PSP175/65/200	5.37	11.23	1.56	1.34	1.17	1.04	0.94	0.85	0.78	0.72	0.67	11.23	22.49	10.18	13.78	18.68
DP-PSP205/65/150	4.4	10.66	1.48	1.27	1.11	0.99	0.89	0.81	0.74	0.68		12.46	15.99	6.68	9.85	13.75
DP-PSP205/65/200	5.83	16.35	2.27	1.95	1.70	1.51	1.36	1.24	1.14	1.05	0.97	16.35	27.95	11.04	15.37	21.37
DP-PSP235/65/150	4.75	12.88	1.79	1.53	1.34	1.19	1.07	0.98	0.89	0.83	0.77	15.51	19.32	7.94	11.65	16.31
DP-PSP235/65/200	6.29	20.37	2.83	2.42	2.12	1.89	1.70	1.54	1.41	1.31	1.21	20.37	33.81	13.13	18.19	25.31
DP-PSP265/65/150	5.09	15.24	2.12	1.81	1.59	1.41	1.27	1.15	1.06	0.98	0.91	20.69	22.86	8.58	12.82	18.27
DP-PSP265/65/200	6.75	26.70	3.71	3.18	2.78	2.47	2.22	2.02	1.85	1.71	1.59	27.21	40.04	14.14	19.92	28.17
DP-PSP300/65/150	5.49	18.17	2.52	2.16	1.89	1.68	1.51	1.38	1.26	1.16	1.08	27.93	27.25	9.53	14.40	20.78
DP-PSP300/65/200	7.29	31.87	4.43	3.79	3.32	2.95	2.66	2.41	2.21	2.04	1.90	36.77	47.80	15.67	22.29	31.87
DP-PSP325/65/150	5.78	20.38	2.83	2.43	2.12	1.89	1.70	1.54	1.42	1.31	1.21	33.94	30.57	9.96	15.28	22.34
DP-PSP325/65/200	7.68	35.77	4.97	4.26	3.73	3.31	2.98	2.71	2.48	2.29	2.13	44.71	53.65	16.35	23.56	34.10

S390 - Single 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	5.47	0.70									5.47	9.24	4.80	6.51	8.68
DP-PSP145/65/200	4.91	7.15	0.92	0.79	0.69							7.15	16.09	8.07	10.39	13.65
DP-PSP175/65/150	4.06	7.30	0.94	0.80	0.70							7.30	11.89	5.47	7.61	10.39
DP-PSP175/65/200	5.37	9.57	1.23	1.05	0.92	0.82	0.74	0.67				9.57	20.76	9.15	12.06	16.22
DP-PSP205/65/150	4.4	9.84	1.26	1.08	0.95	0.84	0.76	0.69				10.62	14.76	5.94	8.52	11.93
DP-PSP205/65/200	5.83	13.93	1.79	1.53	1.34	1.19	1.07	0.97	0.89	0.82	0.77	13.93	25.80	9.90	13.39	18.45
DP-PSP235/65/150	4.75	11.89	1.52	1.31	1.14	1.02	0.91	0.83	0.76	0.70		13.21	17.83	7.07	10.09	14.13
DP-PSP235/65/200	6.29	17.36	2.23	1.91	1.67	1.48	1.34	1.21	1.11	1.03	0.95	17.36	31.21	11.78	15.86	21.84
DP-PSP265/65/150	5.09	14.07	1.80	1.55	1.35	1.20	1.08	0.98	0.90	0.83	0.77	17.63	21.10	7.63	11.07	15.77
DP-PSP265/65/200	6.75	23.18	2.97	2.55	2.23	1.98	1.78	1.62	1.49	1.37	1.27	23.18	36.96	12.67	17.32	24.22
DP-PSP300/65/150	5.49	16.77	2.15	1.84	1.61	1.43	1.29	1.17	1.08	0.99	0.92	23.80	25.16	8.46	12.40	17.88
DP-PSP300/65/200	7.29	29.42	3.77	3.23	2.83	2.51	2.26	2.06	1.89	1.74	1.62	31.33	44.12	14.03	19.35	27.33
DP-PSP325/65/150	5.78	18.81	2.41	2.07	1.81	1.61	1.45	1.32	1.21	1.11	1.03	28.92	28.22	8.83	13.13	19.17
DP-PSP325/65/200	7.68	33.02	4.23	3.63	3.17	2.82	2.54	2.31	2.12	1.95	1.81	38.10	49.53	14.61	20.40	29.16

S390 - Single 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-PSP145/65/200	4.91	6.17	0.73									6.17	14.94	7.34	9.25	12.02
DP-PSP175/65/150	4.06	6.30	0.75									6.30	11.05	4.94	6.71	9.12
DP-PSP175/65/200	5.37	8.25	0.98	0.84	0.74							8.25	19.27	8.32	10.70	14.22
DP-PSP205/65/150	4.4	9.14	1.09	0.93	0.82	0.73						9.15	13.71	5.36	7.48	10.42
DP-PSP205/65/200	5.83	12.01	1.43	1.23	1.07	0.95	0.86	0.78	0.71			12.01	23.96	8.97	11.83	16.10
DP-PSP235/65/150	4.75	11.04	1.31	1.13	0.99	0.88	0.79	0.72				11.39	16.56	6.38	8.85	12.34
DP-PSP235/65/200	6.29	14.96	1.78	1.53	1.34	1.19	1.07	0.97	0.89	0.82	0.76	14.96	28.98	10.69	14.02	19.05
DP-PSP265/65/150	5.09	13.06	1.55	1.33	1.17	1.04	0.93	0.85	0.78	0.72	0.67	15.20	19.59	6.87	9.69	13.72
DP-PSP265/65/200	6.75	19.99	2.38	2.04	1.78	1.59	1.43	1.30	1.19	1.10	1.02	19.99	34.32	11.48	15.27	21.06
DP-PSP300/65/150	5.49	15.57	1.85	1.59	1.39	1.24	1.11	1.01	0.93	0.86	0.79	20.52	23.36	7.61	10.84	15.52
DP-PSP300/65/200	7.29	27.01	3.22	2.76	2.41	2.14	1.93	1.75	1.61	1.48	1.38	27.01	40.97	12.70	17.03	23.72
DP-PSP325/65/150	5.78	17.47	2.08	1.78	1.56	1.39	1.25	1.13	1.04	0.96	0.89	24.93	26.20	7.93	11.45	16.60
DP-PSP325/65/200	7.68	30.66	3.65	3.13	2.74	2.43	2.19	1.99	1.82	1.68	1.56	32.85	45.99	13.21	17.93	25.25

S390 - Single 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-PSP175/65/200	5.37	7.19	0.80	0.68								7.19	17.99	7.62	9.60	12.59
DP-PSP205/65/150	4.4	7.97	0.89	0.76								7.97	12.79	4.87	6.63	9.18
DP-PSP205/65/200	5.83	10.46	1.16	1.00	0.87	0.77	0.70					10.46	22.36	8.21	10.57	14.19
DP-PSP235/65/150	4.75	9.92	1.10	0.95	0.83	0.74						9.92	15.45	5.81	7.86	10.86
DP-PSP235/65/200	6.29	13.04	1.45	1.24	1.09	0.97	0.87	0.79	0.72	0.67		13.04	27.04	9.78	12.53	16.79
DP-PSP265/65/150	5.09	12.19	1.35	1.16	1.02	0.90	0.81	0.74	0.68			13.24	18.29	6.24	8.58	12.05
DP-PSP265/65/200	6.75	17.41	1.93	1.66	1.45	1.29	1.16	1.06	0.97	0.89	0.83	17.41	32.04	10.49	13.62	18.51
DP-PSP300/65/150	5.49	14.54	1.62	1.38	1.21	1.08	0.97	0.88	0.81	0.75	0.69	17.87	21.80	6.91	9.59	13.59
DP-PSP300/65/200	7.29	23.53	2.61	2.24	1.96	1.74	1.57	1.43	1.31	1.21	1.12	23.53	38.24	11.60	15.18	20.81
DP-PSP325/65/150	5.78	16.30	1.81	1.55	1.36	1.21	1.09	0.99	0.91	0.84	0.78	21.72	24.46	7.20	10.11	14.50
DP-PSP325/65/200	7.68	28.61	3.18	2.73	2.38	2.12	1.91	1.73	1.59	1.47	1.36	28.61	42.92	12.06	15.95	22.10

S390 - Single Span Rails - Span = 8m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP205/65/150	4.4	7.01	0.73									7.01	11.99	4.47	5.95	8.15
DP-PSP205/65/200	5.83	9.20	0.96	0.82	0.72							9.20	20.96	7.56	9.54	12.63
DP-PSP235/65/150	4.75	8.72	0.91	0.78	0.68							8.72	14.49	5.33	7.05	9.64
DP-PSP235/65/200	6.29	11.46	1.19	1.02	0.90	0.80	0.72					11.46	25.35	9.02	11.32	14.94
DP-PSP265/65/150	5.09	11.43	1.19	1.02	0.89	0.79	0.71					11.64	17.14	5.72	7.68	10.66
DP-PSP265/65/200	6.75	15.30	1.59	1.37	1.20	1.06	0.96	0.87	0.80	0.74	0.68	15.30	30.03	9.67	12.28	16.43
DP-PSP300/65/150	5.49	13.63	1.42	1.22	1.06	0.95	0.85	0.77	0.71			15.71	20.44	6.34	8.57	12.01

ProSigma+ S390 (Prepainted) - Single Span Rails - Load Tables

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads: Allowable loading in kN/m² Rail Centres in millimetres 1200	1400	1600	1800	2000	2200	2400	2600	2800	Deflect-ion Span /150	Gravity Load	Ultimate U.D.L. in kN/Span: Uplift - metal cladding Number of anti sag rods 0	1	2
DP-PSP300/65/200	7.29	20.68	2.15	1.85	1.62	1.44	1.29	1.18	1.08	0.99	0.92	20.68	35.85	10.69	13.67	18.44
DP-PSP325/65/150	5.78	15.29	1.59	1.36	1.19	1.06	0.96	0.87	0.80	0.73	0.68	19.09	22.93	6.59	9.03	12.78
DP-PSP325/65/200	7.68	25.15	2.62	2.25	1.96	1.75	1.57	1.43	1.31	1.21	1.12	25.15	40.24	11.10	14.34	19.55

S390 - Single 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-PSP205/65/200	5.83	8.15	0.80	0.68								8.15	19.73	7.02	8.69	11.33
DP-PSP235/65/150	4.75	7.73	0.76									7.73	13.64	4.93	6.38	8.62
DP-PSP235/65/200	6.29	10.15	1.00	0.85	0.75							10.15	23.86	8.37	10.31	13.41
DP-PSP265/65/150	5.09	10.31	1.01	0.87	0.76	0.67						10.31	16.13	5.29	6.94	9.51
DP-PSP265/65/200	6.75	13.56	1.33	1.14	1.00	0.89	0.80	0.72				13.56	28.27	8.96	11.17	14.71
DP-PSP300/65/150	5.49	12.83	1.26	1.08	0.94	0.84	0.75	0.69				13.92	19.24	5.85	7.74	10.69
DP-PSP300/65/200	7.29	18.32	1.80	1.54	1.35	1.20	1.08	0.98	0.90	0.83	0.77	18.32	33.74	9.90	12.42	16.49
DP-PSP325/65/150	5.78	14.39	1.41	1.21	1.06	0.94	0.85	0.77	0.71			16.91	21.58	6.08	8.13	11.37
DP-PSP325/65/200	7.68	22.28	2.18	1.87	1.64	1.46	1.31	1.19	1.09	1.01	0.94	22.28	37.87	10.28	13.01	17.45

S390 - Single 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-PSP205/65/200	5.83	7.27	0.67									7.27	18.63	6.54	7.97	10.25
DP-PSP235/65/200	6.29	9.05	0.84	0.72								9.05	22.54	7.81	9.46	12.13
DP-PSP265/65/150	5.09	9.20	0.85	0.73								9.20	15.24	4.91	6.32	8.55
DP-PSP265/65/200	6.75	12.09	1.12	0.96	0.84	0.75	0.67					12.09	26.70	8.36	10.24	13.28
DP-PSP300/65/150	5.49	12.11	1.12	0.96	0.84	0.75	0.67					12.41	18.17	5.43	7.04	9.60
DP-PSP300/65/200	7.29	16.34	1.51	1.30	1.13	1.01	0.91	0.83	0.76	0.70		16.34	31.87	9.23	11.37	14.86
DP-PSP325/65/150	5.78	13.59	1.26	1.08	0.94	0.84	0.75	0.69				15.08	20.38	5.64	7.39	10.18
DP-PSP325/65/200	7.68	19.87	1.84	1.58	1.38	1.23	1.10	1.00	0.92	0.85	0.79	19.87	35.77	9.58	11.90	15.71

S390 - Single 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-PSP235/65/200	6.29	8.13	0.71									8.13	21.35	7.33	8.74	11.05
DP-PSP265/65/150	5.09	8.25	0.72									8.25	14.44	4.59	5.80	7.74
DP-PSP265/65/200	6.75	10.85	0.95	0.82	0.71							10.85	25.29	7.83	9.44	12.08
DP-PSP300/65/150	5.49	11.14	0.98	0.84	0.73							11.14	17.21	5.07	6.45	8.68
DP-PSP300/65/200	7.29	14.67	1.29	1.10	0.96	0.86	0.77	0.70				14.67	30.19	8.65	10.48	13.50
DP-PSP325/65/150	5.78	12.87	1.13	0.97	0.85	0.75	0.68					13.54	19.31	5.26	6.77	9.19
DP-PSP325/65/200	7.68	17.83	1.56	1.34	1.17	1.04	0.94	0.85	0.78	0.72	0.67	17.83	33.89	8.97	10.96	14.25

S390 - Single 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-PSP265/65/200	6.75	9.79	0.82	0.70								9.79	24.03	7.37	8.76	11.06
DP-PSP300/65/150	5.49	10.05	0.84	0.72								10.05	16.35	4.76	5.95	7.89
DP-PSP300/65/200	7.29	13.24	1.10	0.95	0.83	0.74						13.24	28.68	8.14	9.72	12.34
DP-PSP325/65/150	5.78	12.22	1.02	0.87	0.76	0.68						12.22	18.34	4.94	6.24	8.35
DP-PSP325/65/200	7.68	16.10	1.34	1.15	1.01	0.89	0.80	0.73	0.67			16.10	32.19	8.43	10.15	13.01