

ProSigma+ S390 (Prepainted) - Double Span Heavy End Bay Rails - Load Tables

Section Reference	Weight (Kg/m)	Total Working U.D.L. (kN)	END BAY					Total Working U.D.L. (kN)	INTERNAL				
			Deflec-tion Span /150	Ultimate U.D.L. in kN/Span					Deflec-tion Span /150	Ultimate U.D.L. in kN/Span			
				Gravity Load	Uplift - metal cladding Number of anti sag rods					Gravity Load	Uplift - metal cladding Number of anti sag rods		
0	1	2	0	1	2	0	1	2					
S390 - Double Span Heavy End Bay Rails - Span = 3m													
DP-PSP145/65/150	3.71	13.34	35.53	20.01	20.01	20.01	20.01	16.18	43.11	24.27	24.27	24.27	24.27
DP-PSP145/65/200	4.91	23.23	46.45	34.84	34.84	34.84	34.84	28.18	56.36	42.27	42.27	42.27	42.27
DP-PSP175/65/150	4.06	15.38	51.83	23.08	23.08	23.08	23.08	19.89	67.01	29.83	29.83	29.83	29.83
DP-PSP175/65/200	5.37	27.41	67.90	41.12	41.12	41.12	41.12	35.44	87.78	53.16	53.16	53.16	53.16
DP-PSP205/65/150	4.4	18.16	75.36	27.24	27.24	27.24	27.24	23.48	97.43	35.21	35.21	35.21	35.21
DP-PSP205/65/200	5.83	33.17	98.86	49.76	49.76	49.76	49.76	42.89	127.81	64.33	64.33	64.33	64.33
DP-PSP235/65/150	4.75	19.89	99.86	29.83	29.83	29.83	29.83	26.86	134.90	40.30	40.30	40.30	40.30
DP-PSP235/65/200	6.29	37.34	131.18	56.01	56.01	56.01	56.01	50.45	177.21	75.67	75.67	75.67	75.67
DP-PSP265/65/150	5.09	22.19	133.24	33.28	33.28	33.28	33.28	29.97	180.00	44.96	44.96	44.96	44.96
DP-PSP265/65/200	6.75	42.97	175.22	64.45	64.45	64.45	64.45	58.05	236.71	87.07	87.07	87.07	87.07
DP-PSP300/65/150	5.49	26.90	179.86	40.35	40.35	40.35	40.35	36.34	242.97	54.51	54.51	54.51	54.51
DP-PSP300/65/200	7.29	47.18	236.79	70.77	70.77	70.77	70.77	63.73	319.88	95.60	95.60	95.60	95.60
DP-PSP325/65/150	5.78	30.17	218.55	45.26	45.26	45.26	45.26	40.76	295.25	61.14	61.14	61.14	61.14
DP-PSP325/65/200	7.68	52.96	287.93	79.43	79.43	79.43	79.43	71.54	388.97	107.31	106.69	107.31	107.31

S390 - Double Span Heavy End Bay Rails - Span = 3.5m													
Section Reference	Weight	U.D.L.	END BAY					U.D.L.	INTERNAL				
			Defl.	Gravity	0	1	2		Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	11.79	26.11	17.68	17.68	17.68	17.68	14.30	31.67	21.45	21.45	21.45	21.45
DP-PSP145/65/200	4.91	20.25	34.13	30.38	30.38	30.38	30.38	24.57	41.41	36.86	36.86	36.86	36.86
DP-PSP175/65/150	4.06	13.71	38.08	20.57	20.57	20.57	20.57	17.73	49.23	26.59	26.59	26.59	26.59
DP-PSP175/65/200	5.37	24.01	49.88	36.01	36.01	36.01	36.01	31.04	64.49	46.55	45.50	46.55	46.55
DP-PSP205/65/150	4.4	16.35	55.37	24.52	24.52	24.52	24.52	21.13	71.58	31.70	31.70	31.70	31.70
DP-PSP205/65/200	5.83	29.19	72.64	43.78	43.78	43.78	43.78	37.73	93.90	56.60	51.15	56.60	56.60
DP-PSP235/65/150	4.75	18.10	73.37	27.16	27.16	27.16	27.16	24.46	99.11	36.68	36.68	36.68	36.68
DP-PSP235/65/200	6.29	33.02	96.38	49.53	49.53	49.53	49.53	44.60	130.19	66.91	60.51	66.91	66.91
DP-PSP265/65/150	5.09	20.46	97.89	30.70	30.70	30.70	30.70	27.65	132.24	41.47	41.47	41.47	41.47
DP-PSP265/65/200	6.75	38.20	128.73	57.29	57.29	57.29	57.29	51.60	173.91	77.40	66.60	77.40	77.40
DP-PSP300/65/150	5.49	23.06	132.14	34.59	34.59	34.59	34.59	31.15	178.51	46.72	46.72	46.72	46.72
DP-PSP300/65/200	7.29	40.44	173.97	60.66	60.66	60.66	60.66	54.63	235.01	81.94	74.75	81.94	81.94
DP-PSP325/65/150	5.78	25.86	160.57	38.79	38.79	38.79	38.79	34.94	216.92	52.41	51.91	52.41	52.41
DP-PSP325/65/200	7.68	45.39	211.54	68.09	68.09	68.09	68.09	61.32	285.77	91.98	79.29	91.98	91.98

S390 - Double Span Heavy End Bay Rails - Span = 4m													
Section Reference	Weight	U.D.L.	END BAY					U.D.L.	INTERNAL				
			Defl.	Gravity	0	1	2		Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	10.54	19.99	15.82	15.82	15.82	15.82	12.79	24.25	19.19	19.19	19.19	19.19
DP-PSP145/65/200	4.91	17.95	26.13	26.92	26.92	26.92	26.92	21.78	31.70	32.66	31.03	32.66	32.66
DP-PSP175/65/150	4.06	12.34	29.16	18.51	18.51	18.51	18.51	15.95	37.69	23.93	22.98	23.93	23.93
DP-PSP175/65/200	5.37	21.34	38.19	32.01	32.01	32.01	32.01	27.59	49.38	41.38	36.18	41.38	41.38
DP-PSP205/65/150	4.4	14.81	42.39	22.21	22.21	22.21	22.21	19.14	54.80	28.71	25.85	28.71	28.71
DP-PSP205/65/200	5.83	26.03	55.61	39.04	39.04	39.04	39.04	33.65	71.90	50.47	40.34	50.47	50.47
DP-PSP235/65/150	4.75	16.52	56.17	24.78	24.78	24.78	24.78	22.32	75.88	33.48	30.58	33.48	33.48
DP-PSP235/65/200	6.29	29.55	73.79	44.32	44.32	44.32	44.32	39.91	99.68	59.87	47.75	59.87	59.87
DP-PSP265/65/150	5.09	18.83	74.95	28.24	28.24	28.24	28.24	25.44	101.25	38.16	33.66	38.16	38.16
DP-PSP265/65/200	6.75	34.30	98.56	51.46	51.46	51.46	51.46	46.34	133.15	69.51	52.30	69.51	69.51
DP-PSP300/65/150	5.49	20.18	101.17	30.26	30.26	30.26	30.26	27.25	136.67	40.88	37.79	40.88	40.88
DP-PSP300/65/200	7.29	35.38	133.19	53.08	53.08	53.08	53.08	47.80	179.93	71.70	58.52	71.70	71.70
DP-PSP325/65/150	5.78	22.63	122.94	33.94	33.94	33.94	33.94	30.57	166.08	45.86	40.10	45.86	45.86
DP-PSP325/65/200	7.68	39.72	161.96	59.58	59.58	59.58	59.58	53.65	218.80	80.48	61.85	80.48	80.48

S390 - Double Span Heavy End Bay Rails - Span = 4.5m													
Section Reference	Weight	U.D.L.	END BAY					U.D.L.	INTERNAL				
			Defl.	Gravity	0	1	2		Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	9.53	15.79	14.30	14.30	14.30	14.30	11.56	19.16	17.34	16.04	17.34	17.34
DP-PSP145/65/200	4.91	16.11	20.65	24.16	24.16	24.16	24.16	19.55	25.05	29.32	25.70	29.32	29.32
DP-PSP175/65/150	4.06	11.20	23.04	16.80	16.80	16.80	16.80	14.48	29.78	21.72	18.73	21.72	21.72
DP-PSP175/65/200	5.37	19.20	30.18	28.80	28.80	28.80	28.80	24.82	39.01	37.23	29.78	37.23	37.23
DP-PSP205/65/150	4.4	13.51	33.49	20.26	20.26	20.26	20.26	17.46	43.30	26.19	20.92	26.19	26.19
DP-PSP205/65/200	5.83	23.47	43.94	35.21	32.98	35.21	35.21	30.34	56.81	45.52	32.98	45.19	45.52
DP-PSP235/65/150	4.75	15.15	44.38	22.72	22.72	22.72	22.72	20.46	59.96	30.69	24.76	30.69	30.69
DP-PSP235/65/200	6.29	26.71	58.30	40.07	39.07	40.07	40.07	36.09	78.76	54.13	39.07	53.47	54.13
DP-PSP265/65/150	5.09	17.36	59.22	26.04	26.04	26.04	26.04	23.46	80.00	35.18	27.14	35.18	35.18
DP-PSP265/65/200	6.75	31.10	77.88	46.65	42.62	46.65	46.65	42.01	105.20	63.02	42.62	59.21	63.02
DP-PSP300/65/150	5.49	17.93	79.94	26.90	26.90	26.90	26.90	24.23	107.99	36.34	30.39	36.34	36.34
DP-PSP300/65/200	7.29	31.45	105.24	47.18	47.18	47.18	47.18	42.49	142.17	63.73	47.58	63.73	63.73
DP-PSP325/65/150	5.78	20.12	97.13	30.17	30.17	30.17	30.17	27.17	131.22	40.76	32.14	40.76	40.76

ProSigma+ S390 (Prepainted) - Double Span Heavy End Bay Rails - Load Tables

Section Reference	Weight (Kg/m)	Total Working U.D.L. (kN)	END BAY						INTERNAL							
			Deflec-tion Span /150	Ultimate U.D.L. in kN/Span						Deflec-tion Span /150	Ultimate U.D.L. in kN/Span					
				Gravity Load	Uplift - metal cladding			Uplift - metal cladding			Gravity Load	Uplift - metal cladding				
0	1	2	0	1	2	0	1	2								
DP-PSP325/65/200	7.68	35.30	127.97	52.96	50.12	52.96	52.96	47.69	172.88	71.54	50.12	71.13	71.54			

S390 - Double Span Heavy End Bay Rails - Span = 5m

Section Reference	Weight	U.D.L.	Defl.	END BAY						U.D.L.	Defl.	INTERNAL					
				Gravity	0	1	2	Gravity	0			1	2				
DP-PSP145/65/150	3.71	8.69	12.79	13.04	13.04	13.04	13.04	10.54	15.52	15.82	13.51	15.82	15.82				
DP-PSP145/65/200	4.91	14.61	16.72	21.92	21.85	21.92	21.92	17.73	20.29	26.59	21.85	26.59	26.59				
DP-PSP175/65/150	4.06	10.25	18.66	15.37	15.37	15.37	15.37	13.25	24.12	19.88	15.69	19.88	19.88				
DP-PSP175/65/200	5.37	17.44	24.44	26.16	25.19	26.16	26.16	22.55	31.60	33.82	25.19	33.04	33.82				
DP-PSP205/65/150	4.4	12.40	27.13	18.60	17.42	18.60	18.60	16.03	35.07	24.05	17.42	24.05	24.05				
DP-PSP205/65/200	5.83	21.36	35.59	32.05	27.74	32.05	32.05	27.62	46.01	41.43	27.74	37.25	41.43				
DP-PSP235/65/150	4.75	13.96	35.95	20.94	20.63	20.94	20.94	18.86	48.57	28.29	20.63	28.29	28.29				
DP-PSP235/65/200	6.29	24.36	47.22	36.54	32.90	36.54	36.54	32.91	63.80	49.37	32.90	44.07	49.37				
DP-PSP265/65/150	5.09	16.07	47.97	24.11	22.53	24.11	24.11	21.71	64.80	32.57	22.53	31.62	32.57				
DP-PSP265/65/200	6.75	28.42	63.08	42.63	35.76	42.63	42.63	38.39	85.21	57.59	35.76	48.60	57.59				
DP-PSP300/65/150	5.49	16.14	64.75	24.21	24.21	24.21	24.21	21.80	87.47	32.71	25.17	32.71	32.71				
DP-PSP300/65/200	7.29	28.31	85.24	42.46	39.85	42.46	42.46	38.24	115.16	57.36	39.85	54.61	57.36				
DP-PSP325/65/150	5.78	18.10	78.68	27.16	26.54	27.16	27.16	24.46	106.29	36.69	26.54	36.69	36.69				
DP-PSP325/65/200	7.68	31.77	103.66	47.66	41.87	47.66	47.66	42.92	140.03	64.39	41.87	58.02	64.39				

S390 - Double Span Heavy End Bay Rails - Span = 5.5m

Section Reference	Weight	U.D.L.	Defl.	END BAY						U.D.L.	Defl.	INTERNAL					
				Gravity	0	1	2	Gravity	0			1	2				
DP-PSP145/65/150	3.71	7.98	10.57	11.98	11.62	11.98	11.98	9.69	12.83	14.53	11.62	14.53	14.53				
DP-PSP145/65/200	4.91	13.37	13.82	20.05	18.96	20.05	20.05	16.22	16.77	24.32	18.96	23.89	24.32				
DP-PSP175/65/150	4.06	9.44	15.42	14.16	13.44	14.16	14.16	12.21	19.94	18.31	13.44	17.88	18.31				
DP-PSP175/65/200	5.37	15.98	20.20	23.97	21.78	23.97	23.97	20.66	26.12	30.98	21.78	27.98	30.98				
DP-PSP205/65/150	4.4	11.45	22.42	17.18	14.84	17.18	17.18	14.81	28.99	22.21	14.84	20.21	22.21				
DP-PSP205/65/200	5.83	19.60	29.41	29.40	23.87	29.40	29.40	25.34	38.03	38.01	23.87	31.36	38.01				
DP-PSP235/65/150	4.75	12.93	29.71	19.40	17.59	19.40	19.40	17.47	40.14	26.21	17.59	23.90	26.21				
DP-PSP235/65/200	6.29	22.39	39.03	33.58	28.33	33.58	33.58	30.24	52.72	45.36	28.33	37.11	45.36				
DP-PSP265/65/150	5.09	14.94	39.64	22.41	19.15	22.41	22.41	20.18	53.55	30.27	19.15	26.41	30.27				
DP-PSP265/65/200	6.75	26.16	52.13	39.23	30.71	39.23	39.23	35.33	70.43	53.00	30.71	40.77	53.00				
DP-PSP300/65/150	5.49	14.67	53.51	22.01	21.36	22.01	22.01	19.82	72.29	29.73	21.36	29.71	29.73				
DP-PSP300/65/200	7.29	25.45	70.45	38.18	34.17	38.18	38.18	34.39	95.17	51.58	34.17	45.71	51.58				
DP-PSP325/65/150	5.78	16.46	65.02	24.69	22.47	24.69	24.69	22.23	87.84	33.35	22.47	31.61	33.35				
DP-PSP325/65/200	7.68	27.75	85.67	41.62	35.82	41.62	41.62	37.49	115.73	56.23	35.82	48.43	56.23				

S390 - Double Span Heavy End Bay Rails - Span = 6m

Section Reference	Weight	U.D.L.	Defl.	END BAY						U.D.L.	Defl.	INTERNAL					
				Gravity	0	1	2	Gravity	0			1	2				
DP-PSP145/65/150	3.71	7.38	8.88	11.07	10.18	11.07	11.07	8.96	10.78	13.44	10.18	13.04	13.44				
DP-PSP145/65/200	4.91	11.61	11.61	18.47	16.74	18.47	18.47	14.09	14.09	22.41	16.74	20.69	22.41				
DP-PSP175/65/150	4.06	8.75	12.96	13.12	11.72	13.12	13.12	11.31	16.75	16.96	11.72	15.32	16.96				
DP-PSP175/65/200	5.37	14.74	16.97	22.11	19.16	22.11	22.11	19.05	21.94	28.58	19.16	24.12	28.58				
DP-PSP205/65/150	4.4	10.64	18.84	15.96	12.88	15.96	15.96	13.75	24.36	20.63	12.88	17.23	20.63				
DP-PSP205/65/200	5.83	18.10	24.72	27.15	20.91	26.89	27.15	23.40	31.95	35.11	20.91	26.89	35.11				
DP-PSP235/65/150	4.75	12.04	24.97	18.06	15.29	18.06	18.06	16.26	33.73	24.40	15.29	20.38	24.40				
DP-PSP235/65/200	6.29	20.70	32.79	31.05	24.84	31.05	31.05	27.96	44.30	41.95	24.84	31.84	41.95				
DP-PSP265/65/150	5.09	13.94	33.31	20.91	16.60	20.91	20.91	18.83	45.00	28.25	16.60	22.44	28.25				
DP-PSP265/65/200	6.75	24.22	43.81	36.33	26.87	34.87	36.33	32.72	59.18	49.08	26.87	34.87	49.08				
DP-PSP300/65/150	5.49	13.45	44.96	20.18	18.49	20.18	20.18	18.17	60.74	27.25	18.49	25.19	27.25				
DP-PSP300/65/200	7.29	22.31	59.20	33.46	29.85	33.46	33.46	30.13	79.97	45.20	29.85	39.02	45.20				
DP-PSP325/65/150	5.78	14.94	54.64	22.41	19.41	22.41	22.41	20.18	73.81	30.28	19.41	26.73	30.28				
DP-PSP325/65/200	7.68	24.25	71.98	36.38	31.24	36.38	36.38	32.76	97.24	49.14	31.24	41.23	49.14				

S390 - Double Span Heavy End Bay Rails - Span = 6.5m

Section Reference	Weight	U.D.L.	Defl.	END BAY						U.D.L.	Defl.	INTERNAL					
				Gravity	0	1	2	Gravity	0			1	2				
DP-PSP145/65/150	3.71	6.86	7.57	10.30	9.04	10.30	10.30	8.33	9.18	12.49	9.04	11.39	12.49				
DP-PSP145/65/200	4.91	9.90	9.90	17.12	14.98	17.12	17.12	12.01	12.01	20.78	14.98	18.18	20.78				
DP-PSP175/65/150	4.06	8.15	11.04	12.22	10.38	12.22	12.22	10.53	14.27	15.80	10.38	13.33	15.80				
DP-PSP175/65/200	5.37	13.68	14.46	20.52	17.09	20.52	20.52	17.68	18.70	26.52	17.09	21.11	26.52				
DP-PSP205/65/150	4.4	9.93	16.05	14.89	11.36	14.89	14.89	12.83	20.75	19.25	11.36	14.92	19.25				
DP-PSP205/65/200	5.83	16.82	21.06	25.22	18.60	23.43	25.22	21.74	27.23	32.61	18.60	23.43	32.29				
DP-PSP235/65/150	4.75	11.26	21.27	16.88	13.50	16.88	16.88	15.21	28.74	22.81	13.50	17.65	22.81				
DP-PSP235/65/200	6.29	19.25	27.94	28.87	22.11	27.75	28.87	26.00	37.75	39.01	22.11	27.75	38.22				

ProSigma+ S390 (Prepainted) - Double Span Heavy End Bay Rails - Load Tables

Section Reference	Weight (Kg/m)	Total Working U.D.L. (kN)	END BAY					Total Working U.D.L. (kN)	INTERNAL				
			Deflec-tion Span /150	Ultimate U.D.L. in kN/Span					Deflec-tion Span /150	Ultimate U.D.L. in kN/Span			
				Gravity Load	Uplift - metal cladding Number of anti sag rods		Gravity Load			Uplift - metal cladding Number of anti sag rods			
0	1	2	0	1	2	0	1	2					
DP-PSP265/65/150	5.09	13.06	28.38	19.59	14.62	19.37	19.59	17.64	38.34	26.46	14.62	19.37	26.46
DP-PSP265/65/200	6.75	22.55	37.33	33.82	23.86	30.31	33.82	30.46	50.42	45.69	23.86	30.31	42.39
DP-PSP300/65/150	5.49	12.19	38.31	18.28	16.26	18.28	18.28	16.47	51.76	24.70	16.26	21.71	24.70
DP-PSP300/65/200	7.29	19.61	50.44	29.42	26.48	29.42	29.42	26.50	68.14	39.75	26.48	33.86	39.75
DP-PSP325/65/150	5.78	13.27	46.56	19.91	17.04	19.91	19.91	17.93	62.89	26.90	17.04	22.98	26.90
DP-PSP325/65/200	7.68	21.27	61.33	31.90	27.67	31.90	31.90	28.73	82.86	43.09	27.67	35.71	43.09

S390 - Double Span Heavy End Bay Rails - Span = 7m

Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-PSP145/65/150	3.71	6.41	6.53	9.62	8.13	9.62	9.62	7.78	7.92	11.67	8.13	10.07	11.67
DP-PSP145/65/200	4.91	8.53	8.53	15.96	13.55	15.96	15.96	10.35	10.35	19.36	13.55	16.19	19.36
DP-PSP175/65/150	4.06	7.62	9.52	11.44	9.30	11.44	11.44	9.86	12.31	14.78	9.30	11.74	14.78
DP-PSP175/65/200	5.37	12.47	12.47	19.14	15.43	18.72	19.14	16.12	16.12	24.74	15.43	18.72	24.74
DP-PSP205/65/150	4.4	9.30	13.84	13.95	10.15	13.08	13.95	12.03	17.89	18.04	10.15	13.08	18.04
DP-PSP205/65/200	5.83	15.70	18.16	23.55	16.74	20.70	23.55	20.30	23.48	30.44	16.74	20.70	28.18
DP-PSP235/65/150	4.75	10.57	18.34	15.85	12.07	15.49	15.85	14.27	24.78	21.41	12.07	15.49	21.41
DP-PSP235/65/200	6.29	17.99	24.09	26.98	19.91	24.53	26.98	24.30	32.55	36.45	19.91	24.53	33.34
DP-PSP265/65/150	5.09	12.28	24.47	18.42	13.05	16.96	18.42	16.59	33.06	24.88	13.05	16.96	24.02
DP-PSP265/65/200	6.75	21.09	32.18	31.63	21.46	26.72	31.63	28.48	43.48	42.73	21.46	26.72	36.86
DP-PSP300/65/150	5.49	10.88	33.04	16.33	14.50	16.33	16.33	14.70	44.63	22.05	14.50	18.97	22.05
DP-PSP300/65/200	7.29	17.31	43.49	25.96	23.79	25.96	25.96	23.38	58.75	35.07	23.79	29.81	35.07
DP-PSP325/65/150	5.78	11.83	40.14	17.74	15.17	17.74	17.74	15.98	54.23	23.96	15.17	20.04	23.96
DP-PSP325/65/200	7.68	18.71	52.89	28.07	24.82	28.07	28.07	25.28	71.44	37.92	24.82	31.38	37.92

S390 - Double Span Heavy End Bay Rails - Span = 7.5m

Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-PSP175/65/150	4.06	7.16	8.29	10.74	8.43	10.46	10.74	9.26	10.72	13.89	8.43	10.46	13.89
DP-PSP175/65/200	5.37	10.86	10.86	17.93	14.06	16.79	17.93	14.04	14.04	23.18	14.06	16.79	22.03
DP-PSP205/65/150	4.4	8.75	12.06	13.12	9.17	11.61	13.12	11.31	15.59	16.97	9.17	11.61	16.07
DP-PSP205/65/200	5.83	14.72	15.82	22.08	15.22	18.49	22.08	19.03	20.45	28.55	15.22	18.49	24.84
DP-PSP235/65/150	4.75	9.95	15.98	14.93	10.91	13.75	14.93	13.44	21.58	20.17	10.91	13.75	19.01
DP-PSP235/65/200	6.29	16.88	20.99	25.32	18.11	21.93	25.32	22.80	28.35	34.20	18.11	21.93	29.38
DP-PSP265/65/150	5.09	11.58	21.32	17.37	11.78	15.02	17.37	15.65	28.80	23.47	11.78	15.02	21.08
DP-PSP265/65/200	6.75	19.80	28.04	29.70	19.49	23.84	29.70	26.75	37.87	40.12	19.49	23.84	32.40
DP-PSP300/65/150	5.49	9.74	28.78	14.62	13.07	14.62	14.62	13.16	38.88	19.74	13.07	16.78	19.74
DP-PSP300/65/200	7.29	15.32	37.89	22.99	21.59	22.99	22.99	20.70	51.18	31.05	21.59	26.56	31.05
DP-PSP325/65/150	5.78	10.56	34.97	15.84	13.65	15.84	15.84	14.27	47.24	21.40	13.65	17.70	21.40
DP-PSP325/65/200	7.68	16.53	46.07	24.79	22.50	24.79	24.79	22.33	62.24	33.49	22.50	27.91	33.49

S390 - Double Span Heavy End Bay Rails - Span = 8m

Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-PSP205/65/150	4.4	8.26	10.60	12.39	8.36	10.41	12.39	10.68	13.70	16.02	8.36	10.41	14.26
DP-PSP205/65/200	5.83	13.86	13.90	20.78	13.95	16.69	20.78	17.91	17.97	26.87	13.95	16.69	22.09
DP-PSP235/65/150	4.75	9.40	14.04	14.11	9.95	12.34	14.11	12.70	18.97	19.06	9.95	12.34	16.87
DP-PSP235/65/200	6.29	15.90	18.45	23.84	16.62	19.81	23.84	21.47	24.92	32.21	16.62	19.81	26.14
DP-PSP265/65/150	5.09	10.96	18.74	16.44	10.73	13.45	16.44	14.80	25.31	22.21	10.73	13.45	18.66
DP-PSP265/65/200	6.75	18.66	24.64	27.99	17.86	21.49	27.99	25.21	33.29	37.82	17.86	21.49	28.75
DP-PSP300/65/150	5.49	8.74	25.29	13.12	11.90	13.12	13.12	11.81	34.17	17.72	11.90	15.00	17.72
DP-PSP300/65/200	7.29	13.63	33.30	20.44	19.77	20.44	20.44	18.41	44.98	27.61	19.77	23.92	27.61
DP-PSP325/65/150	5.78	9.46	30.73	14.19	12.41	14.19	14.19	12.78	41.52	19.16	12.41	15.80	19.16
DP-PSP325/65/200	7.68	14.66	40.49	21.99	20.58	21.99	21.99	19.81	54.70	29.71	20.58	25.10	29.71

S390 - Double Span Heavy End Bay Rails - Span = 8.5m

Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-PSP235/65/150	4.75	8.91	12.44	13.37	9.15	11.17	13.37	12.04	16.80	18.06	9.15	11.17	15.09
DP-PSP235/65/200	6.29	15.02	16.34	22.53	15.35	18.05	22.53	20.29	22.07	30.44	15.35	18.05	23.46
DP-PSP265/65/150	5.09	10.40	16.60	15.60	9.85	12.15	15.60	14.05	22.42	21.07	9.85	12.15	16.64
DP-PSP265/65/200	6.75	17.65	21.83	26.47	16.48	19.55	25.75	23.84	29.49	35.76	16.48	19.55	25.75
DP-PSP300/65/150	5.49	7.87	22.40	11.80	10.91	11.80	11.80	10.63	30.27	15.94	10.91	13.54	15.94
DP-PSP300/65/200	7.29	12.17	29.50	18.25	18.23	18.25	18.25	16.44	39.85	24.66	18.23	21.73	24.66
DP-PSP325/65/150	5.78	8.49	27.22	12.73	11.38	12.73	12.73	11.47	36.78	17.20	11.38	14.24	17.20
DP-PSP325/65/200	7.68	13.07	35.87	19.60	18.96	19.60	19.60	17.65	48.45	26.48	18.96	22.77	26.48

ProSigma+ S390 (Prepainted) - Double Span Heavy End Bay Rails - Load Tables

Section Reference	Weight (Kg/m)	Total Working U.D.L. (kN)	END BAY					INTERNAL				
			Deflec-tion Span /150	Ultimate U.D.L. in kN/Span				Total Working U.D.L. (kN)	Deflec-tion Span /150	Ultimate U.D.L. in kN/Span		
				Gravity Load	Uplift - metal cladding Number of anti sag rods		2			Gravity Load	Uplift - metal cladding Number of anti sag rods	
0	1	2	0	1	2							

S390 - Double Span Heavy End Bay Rails - Span = 9m

Section Reference	Weight	U.D.L.	Defl.	END BAY					INTERNAL				
				Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP265/65/150	5.09	9.89	14.80	14.83	9.10	11.07	14.83	13.36	20.00	20.04	9.10	11.07	14.96
DP-PSP265/65/200	6.75	16.73	19.47	25.10	15.30	17.91	23.25	22.61	26.30	33.91	15.30	17.91	23.25
DP-PSP300/65/150	5.49	7.10	19.98	10.65	10.08	10.65	10.65	9.59	27.00	14.38	10.08	12.32	14.38
DP-PSP300/65/200	7.29	10.92	26.31	16.38	16.38	16.38	16.38	14.75	35.54	22.13	16.92	19.90	22.13
DP-PSP325/65/150	5.78	7.64	24.28	11.47	10.50	11.47	11.47	10.33	32.81	15.49	10.50	12.94	15.49
DP-PSP325/65/200	7.68	11.70	31.99	17.55	17.55	17.55	17.55	15.81	43.22	23.71	17.59	20.83	23.71

S390 - Double Span Heavy End Bay Rails - Span = 9.5m

Section Reference	Weight	U.D.L.	Defl.	END BAY					INTERNAL				
				Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP300/65/150	5.49	6.43	17.94	9.64	9.37	9.64	9.64	8.68	24.23	13.02	9.37	11.30	13.02
DP-PSP300/65/200	7.29	9.85	23.61	14.77	14.77	14.77	14.77	13.31	31.90	19.96	15.79	18.35	19.96
DP-PSP325/65/150	5.78	6.91	21.79	10.36	9.75	10.36	10.36	9.33	29.44	13.99	9.75	11.84	13.99
DP-PSP325/65/200	7.68	10.53	28.71	15.80	15.80	15.80	15.80	14.23	38.79	21.34	16.40	19.18	21.34

S390 - Double Span Heavy End Bay Rails - Span = 10m

Section Reference	Weight	U.D.L.	Defl.	END BAY					INTERNAL				
				Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP300/65/150	5.49	5.84	16.19	8.75	8.75	8.75	8.75	7.88	21.87	11.82	8.75	10.42	11.82
DP-PSP300/65/200	7.29	8.93	21.31	13.39	13.39	13.39	13.39	12.06	28.79	18.09	14.80	17.01	18.09
DP-PSP325/65/150	5.78	6.26	19.67	9.39	9.10	9.39	9.39	8.46	26.57	12.69	9.10	10.91	12.69
DP-PSP325/65/200	7.68	9.53	25.91	14.29	14.29	14.29	14.29	12.87	35.01	19.31	15.37	17.77	19.31