

ProSigma+ S390 (Prepainted) - Single 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 - Single Span Heavy End Bay Rails - Span = 3m													
DP-PSP145/65/150	3.71	16.82	27.95	25.23	25.23	25.23	16.82	30.66	25.23	25.23	25.23	25.23	
DP-PSP145/65/200	4.91	27.84	36.55	41.76	41.76	41.76	27.84	40.08	41.76	41.76	41.76	41.76	
DP-PSP175/65/150	4.06	21.66	36.66	32.49	32.49	32.49	21.66	39.38	32.49	32.49	32.49	32.49	
DP-PSP175/65/200	5.37	35.92	48.02	53.89	53.89	53.89	35.92	51.59	53.89	53.89	53.89	53.89	
DP-PSP205/65/150	4.4	26.89	53.29	40.33	40.33	40.33	26.89	57.26	40.33	40.33	40.33	40.33	
DP-PSP205/65/200	5.83	44.65	69.92	66.98	66.98	66.98	44.65	75.12	66.98	66.98	66.98	66.98	
DP-PSP235/65/150	4.75	32.48	64.82	48.71	48.71	48.71	32.48	67.88	48.71	48.71	48.71	48.71	
DP-PSP235/65/200	6.29	54.01	85.15	81.01	80.21	81.01	54.01	89.16	81.01	80.21	81.01	81.01	
DP-PSP265/65/150	5.09	38.43	86.49	57.64	57.64	57.64	38.43	90.57	57.64	57.64	57.64	57.64	
DP-PSP265/65/200	6.75	63.97	113.73	95.96	88.82	95.96	63.97	119.10	95.96	88.82	95.96	95.96	
DP-PSP300/65/150	5.49	45.82	116.74	68.73	65.51	68.73	45.82	122.25	68.73	65.51	68.73	68.73	
DP-PSP300/65/200	7.29	76.37	153.69	114.55	100.11	114.55	76.37	160.94	114.55	100.11	114.55	114.55	
DP-PSP325/65/150	5.78	51.39	141.86	77.09	70.15	77.09	51.39	148.55	77.09	70.15	77.09	77.09	
DP-PSP325/65/200	7.68	85.72	186.89	128.58	106.69	128.58	85.72	195.71	128.58	106.69	128.58	128.58	

S390 - Single 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	14.42	20.54	21.63	21.63	21.63	14.42	22.52	21.63	21.63	21.63	21.63	
DP-PSP145/65/200	4.91	23.86	26.85	35.79	35.79	35.79	23.86	29.45	35.79	35.79	35.79	35.79	
DP-PSP175/65/150	4.06	18.57	26.93	27.85	27.85	27.85	18.57	28.93	27.85	27.85	27.85	27.85	
DP-PSP175/65/200	5.37	30.79	35.28	46.19	45.50	46.19	30.79	37.90	46.19	45.50	46.19	46.19	
DP-PSP205/65/150	4.4	23.05	39.15	34.57	33.03	34.57	23.05	42.07	34.57	33.03	34.57	34.57	
DP-PSP205/65/200	5.83	38.27	51.37	57.41	51.15	57.41	38.27	55.19	57.41	51.15	57.41	57.41	
DP-PSP235/65/150	4.75	27.84	47.62	41.76	39.07	41.76	27.84	49.87	41.76	39.07	41.76	41.76	
DP-PSP235/65/200	6.29	46.29	62.56	69.44	60.51	69.44	46.29	65.51	69.44	60.51	69.44	69.44	
DP-PSP265/65/150	5.09	32.94	63.54	49.41	43.25	49.41	32.94	66.54	49.41	43.25	49.41	49.41	
DP-PSP265/65/200	6.75	54.83	83.56	82.25	66.60	82.25	54.83	87.50	82.25	66.60	82.25	82.25	
DP-PSP300/65/150	5.49	39.27	85.77	58.91	48.72	58.91	39.27	89.82	58.91	48.72	58.91	58.91	
DP-PSP300/65/200	7.29	65.46	112.92	98.18	74.75	98.18	65.46	118.24	98.18	74.75	98.18	98.18	
DP-PSP325/65/150	5.78	44.05	104.22	66.08	51.91	66.08	44.05	109.14	66.08	51.91	66.08	66.08	
DP-PSP325/65/200	7.68	73.47	137.31	110.21	79.29	110.21	73.47	143.79	110.21	79.29	110.21	110.21	

S390 - Single 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	12.62	15.72	18.92	18.92	18.92	12.62	17.24	18.92	18.92	18.92	18.92	
DP-PSP145/65/200	4.91	20.56	20.56	31.32	31.03	31.32	20.88	22.54	31.32	31.03	31.32	31.32	
DP-PSP175/65/150	4.06	16.25	20.62	24.37	22.98	24.37	16.25	22.15	24.37	22.98	24.37	24.37	
DP-PSP175/65/200	5.37	26.94	27.01	40.41	36.18	40.41	26.94	29.02	40.41	36.18	40.41	40.41	
DP-PSP205/65/150	4.4	20.16	29.98	30.25	25.85	30.25	20.16	32.21	30.25	25.85	30.25	30.25	
DP-PSP205/65/200	5.83	33.49	39.33	50.24	40.34	50.24	33.49	42.25	50.24	40.34	50.24	50.24	
DP-PSP235/65/150	4.75	24.36	36.46	36.54	30.58	36.54	24.36	38.18	36.54	30.58	36.54	36.54	
DP-PSP235/65/200	6.29	40.51	47.89	60.76	47.75	60.76	40.51	50.15	60.76	47.75	60.76	60.76	
DP-PSP265/65/150	5.09	28.82	48.65	43.23	33.66	43.23	28.82	50.94	43.23	33.66	43.23	43.23	
DP-PSP265/65/200	6.75	47.98	63.97	71.97	52.30	71.97	47.98	66.99	71.97	52.30	71.97	71.97	
DP-PSP300/65/150	5.49	34.36	65.67	51.55	37.79	51.55	34.36	68.77	51.55	37.79	51.55	51.55	
DP-PSP300/65/200	7.29	57.27	86.45	85.91	58.52	83.66	57.27	90.53	85.91	58.52	83.66	85.91	
DP-PSP325/65/150	5.78	38.54	79.80	57.82	40.10	57.82	38.54	83.56	57.82	40.10	57.82	57.82	
DP-PSP325/65/200	7.68	64.29	105.13	96.43	61.85	89.50	64.29	110.09	96.43	61.85	89.50	96.43	

S390 - Single 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	11.21	12.42	16.82	16.04	16.82	11.21	13.63	16.82	16.04	16.82	16.82	
DP-PSP145/65/200	4.91	16.24	16.24	27.84	25.70	27.84	17.81	17.81	27.84	25.70	27.84	27.84	
DP-PSP175/65/150	4.06	14.44	16.29	21.66	18.73	21.66	14.44	17.50	21.66	18.73	21.66	21.66	
DP-PSP175/65/200	5.37	21.34	21.34	35.92	29.78	35.92	22.93	22.93	35.92	29.78	35.92	35.92	
DP-PSP205/65/150	4.4	17.92	23.69	26.89	20.92	26.89	17.92	25.45	26.89	20.92	26.89	26.89	
DP-PSP205/65/200	5.83	29.77	31.07	44.65	32.98	44.65	29.77	33.38	44.65	32.98	44.65	44.65	
DP-PSP235/65/150	4.75	21.65	28.81	32.48	24.76	32.48	21.65	30.17	32.48	24.76	32.48	32.48	
DP-PSP235/65/200	6.29	36.00	37.84	54.01	39.07	53.47	36.00	39.63	54.01	39.07	53.47	54.01	
DP-PSP265/65/150	5.09	25.62	38.44	38.43	27.14	38.43	25.62	40.25	38.43	27.14	38.43	38.43	
DP-PSP265/65/200	6.75	42.65	50.55	63.97	42.62	59.21	42.65	52.93	63.97	42.62	59.21	63.97	
DP-PSP300/65/150	5.49	30.55	51.89	45.82	30.39	43.68	30.55	54.33	45.82	30.39	43.68	45.82	
DP-PSP300/65/200	7.29	50.91	68.31	76.37	47.58	66.74	50.91	71.53	76.37	47.58	66.74	76.37	
DP-PSP325/65/150	5.78	34.26	63.05	51.39	32.14	46.76	34.26	66.02	51.39	32.14	46.76	51.39	

ProSigma+ S390 (Prepainted) - Single 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	0			1	2	Gravity Load	Uplift - metal cladding Number of anti sag rods	0
DP-PSP325/65/200	7.68	57.14	83.06	85.72	50.12	71.13	85.72	57.14	86.98	85.72	50.12	71.13	85.72

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

Section Reference	Weight	U.D.L.	END BAY					INTERNAL					
			Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	10.06	10.06	15.14	13.51	15.14	15.14	10.09	11.04	15.14	13.51	15.14	15.14
DP-PSP145/65/200	4.91	13.16	13.16	25.05	21.85	25.05	25.05	14.43	14.43	25.05	21.85	25.05	25.05
DP-PSP175/65/150	4.06	13.00	13.20	19.50	15.69	19.50	19.50	13.00	14.18	19.50	15.69	19.50	19.50
DP-PSP175/65/200	5.37	17.29	17.29	32.33	25.19	32.33	32.33	18.57	18.57	32.33	25.19	32.33	32.33
DP-PSP205/65/150	4.4	16.13	19.19	24.20	17.42	24.10	24.20	16.13	20.61	24.20	17.42	24.10	24.20
DP-PSP205/65/200	5.83	25.17	25.17	40.19	27.74	37.25	40.19	26.79	27.04	40.19	27.74	37.25	40.19
DP-PSP235/65/150	4.75	19.49	23.33	29.23	20.63	28.51	29.23	19.49	24.44	29.23	20.63	28.51	29.23
DP-PSP235/65/200	6.29	30.65	30.65	48.61	32.90	44.07	48.61	32.10	32.10	48.61	32.90	44.07	48.61
DP-PSP265/65/150	5.09	23.06	31.14	34.58	22.53	31.62	34.58	23.06	32.60	34.58	22.53	31.62	34.58
DP-PSP265/65/200	6.75	38.38	40.94	57.58	35.76	48.60	57.58	38.38	42.88	57.58	35.76	48.60	57.58
DP-PSP300/65/150	5.49	27.49	42.03	41.24	25.17	35.67	41.24	27.49	44.01	41.24	25.17	35.67	41.24
DP-PSP300/65/200	7.29	45.82	55.33	68.73	39.85	54.61	68.73	45.82	57.94	68.73	39.85	54.61	68.73
DP-PSP325/65/150	5.78	30.84	51.07	46.25	26.54	38.06	46.25	30.84	53.48	46.25	26.54	38.06	46.25
DP-PSP325/65/200	7.68	51.43	67.28	77.15	41.87	58.02	77.15	51.43	70.46	77.15	41.87	58.02	77.15

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

Section Reference	Weight	U.D.L.	END BAY					INTERNAL					
			Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	8.32	8.32	13.76	11.62	13.76	13.76	9.12	9.12	13.76	11.62	13.76	13.76
DP-PSP145/65/200	4.91	10.87	10.87	22.78	18.96	22.78	22.78	11.92	11.92	22.78	18.96	22.78	22.78
DP-PSP175/65/150	4.06	10.91	10.91	17.72	13.44	17.72	17.72	11.72	11.72	17.72	13.44	17.72	17.72
DP-PSP175/65/200	5.37	14.29	14.29	29.39	21.78	27.98	29.39	15.35	15.35	29.39	21.78	27.98	29.39
DP-PSP205/65/150	4.4	14.67	15.86	22.00	14.84	20.21	22.00	14.67	17.04	22.00	14.84	20.21	22.00
DP-PSP205/65/200	5.83	20.80	20.80	36.53	23.87	31.36	36.53	22.35	22.35	36.53	23.87	31.36	36.53
DP-PSP235/65/150	4.75	17.71	19.29	26.57	17.59	23.90	26.57	17.71	20.19	26.57	17.59	23.90	26.57
DP-PSP235/65/200	6.29	25.33	25.33	44.19	28.33	37.11	44.19	26.53	26.53	44.19	28.33	37.11	44.19
DP-PSP265/65/150	5.09	20.96	25.73	31.44	19.15	26.41	31.44	20.96	26.95	31.44	19.15	26.41	31.44
DP-PSP265/65/200	6.75	33.84	33.84	52.34	30.71	40.77	52.34	34.89	35.43	52.34	30.71	40.77	52.34
DP-PSP300/65/150	5.49	24.99	34.73	37.49	21.36	29.71	37.49	24.99	36.37	37.49	21.36	29.71	37.49
DP-PSP300/65/200	7.29	41.65	45.73	62.48	34.17	45.71	62.48	41.65	47.88	62.48	34.17	45.71	62.48
DP-PSP325/65/150	5.78	28.03	42.21	42.05	22.47	31.61	42.05	28.03	44.20	42.05	22.47	31.61	42.05
DP-PSP325/65/200	7.68	46.75	55.60	70.13	35.82	48.43	70.13	46.75	58.23	70.13	35.82	48.43	70.13

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

Section Reference	Weight	U.D.L.	END BAY					INTERNAL					
			Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	6.99	6.99	12.62	10.18	12.62	12.62	7.66	7.66	12.62	10.18	12.62	12.62
DP-PSP145/65/200	4.91	9.14	9.14	20.88	16.74	20.69	20.88	10.02	10.02	20.88	16.74	20.69	20.88
DP-PSP175/65/150	4.06	9.16	9.16	16.25	11.72	15.32	16.25	9.85	9.85	16.25	11.72	15.32	16.25
DP-PSP175/65/200	5.37	12.00	12.00	26.94	19.16	24.12	26.94	12.90	12.90	26.94	19.16	24.12	26.94
DP-PSP205/65/150	4.4	13.32	13.32	20.16	12.88	17.23	20.16	13.44	14.31	20.16	12.88	17.23	20.16
DP-PSP205/65/200	5.83	17.48	17.48	33.49	20.91	26.89	33.49	18.78	18.78	33.49	20.91	26.89	33.49
DP-PSP235/65/150	4.75	16.20	16.20	24.36	15.29	20.38	24.36	16.24	16.97	24.36	15.29	20.38	24.36
DP-PSP235/65/200	6.29	21.29	21.29	40.51	24.84	31.84	40.51	22.29	22.29	40.51	24.84	31.84	40.51
DP-PSP265/65/150	5.09	19.21	21.62	28.82	16.60	22.44	28.82	19.21	22.64	28.82	16.60	22.44	28.82
DP-PSP265/65/200	6.75	28.43	28.43	47.98	26.87	34.87	47.98	29.77	29.77	47.98	26.87	34.87	47.98
DP-PSP300/65/150	5.49	22.91	29.19	34.36	18.49	25.19	34.36	22.91	30.56	34.36	18.49	25.19	34.36
DP-PSP300/65/200	7.29	38.18	38.42	57.27	29.85	39.02	57.27	38.18	40.24	57.27	29.85	39.02	57.27
DP-PSP325/65/150	5.78	25.70	35.47	38.54	19.41	26.73	38.54	25.70	37.14	38.54	19.41	26.73	38.54
DP-PSP325/65/200	7.68	42.86	46.72	64.29	31.24	41.23	64.29	42.86	48.93	64.29	31.24	41.23	64.29

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

Section Reference	Weight	U.D.L.	END BAY					INTERNAL					
			Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	5.95	5.95	11.64	9.04	11.39	11.64	6.53	6.53	11.64	9.04	11.39	11.64
DP-PSP145/65/200	4.91	7.79	7.79	19.27	14.98	18.18	19.27	8.54	8.54	19.27	14.98	18.18	19.27
DP-PSP175/65/150	4.06	7.81	7.81	15.00	10.38	13.33	15.00	8.39	8.39	15.00	10.38	13.33	15.00
DP-PSP175/65/200	5.37	10.23	10.23	24.87	17.09	21.11	24.87	10.99	10.99	24.87	17.09	21.11	24.87
DP-PSP205/65/150	4.4	11.35	11.35	18.61	11.36	14.92	18.61	12.20	12.20	18.61	11.36	14.92	18.61
DP-PSP205/65/200	5.83	14.89	14.89	30.91	18.60	23.43	30.91	16.00	16.00	30.91	18.60	23.43	30.91
DP-PSP235/65/150	4.75	13.81	13.81	22.48	13.50	17.65	22.48	14.46	14.46	22.48	13.50	17.65	22.48
DP-PSP235/65/200	6.29	18.14	18.14	37.39	22.11	27.75	37.39	18.99	18.99	37.39	22.11	27.75	37.39

ProSigma+ S390 (Prepainted) - Single 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	
DP-PSP265/65/150	5.09	17.74	18.42	26.60	14.62	19.37	26.60	17.74	19.29	26.60	14.62	19.37	26.60	
DP-PSP265/65/200	6.75	24.23	24.23	44.29	23.86	30.31	42.39	24.23	25.37	44.29	23.86	30.31	42.39	
DP-PSP300/65/150	5.49	21.15	24.87	31.72	16.26	21.71	31.29	21.15	26.04	31.72	16.26	21.71	31.29	
DP-PSP300/65/200	7.29	32.74	32.74	52.87	26.48	33.86	47.83	32.74	34.28	52.87	26.48	33.86	47.83	
DP-PSP325/65/150	5.78	23.72	30.22	35.58	17.04	22.98	33.54	23.72	31.64	35.58	17.04	22.98	33.54	
DP-PSP325/65/200	7.68	39.56	39.81	59.34	27.67	35.71	51.04	39.56	41.69	59.34	27.67	35.71	51.04	

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

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP145/65/150	3.71	5.13	5.13	10.81	8.13	10.07	10.81	5.63	5.63	10.81	8.13	10.07	10.81
DP-PSP145/65/200	4.91	6.71	6.71	17.90	13.55	16.19	17.90	7.36	7.36	17.90	13.55	16.19	17.90
DP-PSP175/65/150	4.06	6.73	6.73	13.93	9.30	11.74	13.93	7.23	7.23	13.93	9.30	11.74	13.93
DP-PSP175/65/200	5.37	8.82	8.82	23.09	15.43	18.72	23.09	9.48	9.48	23.09	15.43	18.72	23.09
DP-PSP205/65/150	4.4	9.79	9.79	17.28	10.15	13.08	17.28	10.52	10.52	17.28	10.15	13.08	17.28
DP-PSP205/65/200	5.83	12.84	12.84	28.71	16.74	20.70	28.71	13.80	13.80	28.71	16.74	20.70	28.71
DP-PSP235/65/150	4.75	11.91	11.91	20.88	12.07	15.49	20.88	12.47	12.47	20.88	12.07	15.49	20.88
DP-PSP235/65/200	6.29	15.64	15.64	34.72	19.91	24.53	33.34	16.38	16.38	34.72	19.91	24.53	33.34
DP-PSP265/65/150	5.09	15.89	15.89	24.70	13.05	16.96	24.02	16.47	16.63	24.70	13.05	16.96	24.02
DP-PSP265/65/200	6.75	20.89	20.89	41.13	21.46	26.72	36.86	21.88	21.88	41.13	21.46	26.72	36.86
DP-PSP300/65/150	5.49	19.64	21.44	29.45	14.50	18.97	27.16	19.64	22.45	29.45	14.50	18.97	27.16
DP-PSP300/65/200	7.29	28.23	28.23	49.09	23.79	29.81	41.50	29.56	29.56	49.09	23.79	29.81	41.50
DP-PSP325/65/150	5.78	22.03	26.06	33.04	15.17	20.04	29.04	22.03	27.29	33.04	15.17	20.04	29.04
DP-PSP325/65/200	7.68	34.33	34.33	55.10	24.82	31.38	44.18	35.95	35.95	55.10	24.82	31.38	44.18

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

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP175/65/150	4.06	5.87	5.87	13.00	8.43	10.46	13.00	6.30	6.30	13.00	8.43	10.46	13.00
DP-PSP175/65/200	5.37	7.68	7.68	21.55	14.06	16.79	21.55	8.25	8.25	21.55	14.06	16.79	21.55
DP-PSP205/65/150	4.4	8.53	8.53	16.13	9.17	11.61	16.07	9.16	9.16	16.13	9.17	11.61	16.07
DP-PSP205/65/200	5.83	11.19	11.19	26.79	15.22	18.49	24.84	12.02	12.02	26.79	15.22	18.49	24.84
DP-PSP235/65/150	4.75	10.37	10.37	19.49	10.91	13.75	19.01	10.86	10.86	19.49	10.91	13.75	19.01
DP-PSP235/65/200	6.29	13.62	13.62	32.40	18.11	21.93	29.38	14.27	14.27	32.40	18.11	21.93	29.38
DP-PSP265/65/150	5.09	13.84	13.84	23.06	11.78	15.02	21.08	14.49	14.49	23.06	11.78	15.02	21.08
DP-PSP265/65/200	6.75	18.20	18.20	38.38	19.49	23.84	32.40	19.06	19.06	38.38	19.49	23.84	32.40
DP-PSP300/65/150	5.49	18.33	18.68	27.49	13.07	16.78	23.78	18.33	19.56	27.49	13.07	16.78	23.78
DP-PSP300/65/200	7.29	24.59	24.59	45.82	21.59	26.56	36.41	25.75	25.75	45.82	21.59	26.56	36.41
DP-PSP325/65/150	5.78	20.56	22.70	30.84	13.65	17.70	25.38	20.56	23.77	30.84	13.65	17.70	25.38
DP-PSP325/65/200	7.68	29.90	29.90	51.43	22.50	27.91	38.68	31.31	31.31	51.43	22.50	27.91	38.68

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

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP205/65/150	4.4	7.49	7.49	15.12	8.36	10.41	14.26	8.05	8.05	15.12	8.36	10.41	14.26
DP-PSP205/65/200	5.83	9.83	9.83	25.12	13.95	16.69	22.09	10.56	10.56	25.12	13.95	16.69	22.09
DP-PSP235/65/150	4.75	9.12	9.12	18.27	9.95	12.34	16.87	9.55	9.55	18.27	9.95	12.34	16.87
DP-PSP235/65/200	6.29	11.97	11.97	30.38	16.62	19.81	26.14	12.54	12.54	30.38	16.62	19.81	26.14
DP-PSP265/65/150	5.09	12.16	12.16	21.61	10.73	13.45	18.66	12.74	12.74	21.61	10.73	13.45	18.66
DP-PSP265/65/200	6.75	15.99	15.99	35.99	17.86	21.49	28.75	16.75	16.75	35.99	17.86	21.49	28.75
DP-PSP300/65/150	5.49	16.42	16.42	25.77	11.90	15.00	21.01	17.18	17.18	25.77	11.90	15.00	21.01
DP-PSP300/65/200	7.29	21.61	21.61	42.96	19.77	23.92	32.26	22.63	22.63	42.96	19.77	23.92	32.26
DP-PSP325/65/150	5.78	19.27	19.95	28.91	12.41	15.80	22.37	19.27	20.89	28.91	12.41	15.80	22.37
DP-PSP325/65/200	7.68	26.28	26.28	48.22	20.58	25.10	34.21	27.52	27.52	48.22	20.58	25.10	34.21

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

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP235/65/150	4.75	8.07	8.07	17.19	9.15	11.17	15.09	8.46	8.46	17.19	9.15	11.17	15.09
DP-PSP235/65/200	6.29	10.61	10.61	28.59	15.35	18.05	23.46	11.11	11.11	28.59	15.35	18.05	23.46
DP-PSP265/65/150	5.09	10.77	10.77	20.34	9.85	12.15	16.64	11.28	11.28	20.34	9.85	12.15	16.64
DP-PSP265/65/200	6.75	14.17	14.17	33.87	16.48	19.55	25.75	14.84	14.84	33.87	16.48	19.55	25.75
DP-PSP300/65/150	5.49	14.54	14.54	24.26	10.91	13.54	18.71	15.23	15.23	24.26	10.91	13.54	18.71
DP-PSP300/65/200	7.29	19.15	19.15	40.43	18.23	21.73	28.85	20.05	20.05	40.43	18.23	21.73	28.85
DP-PSP325/65/150	5.78	17.67	17.67	27.21	11.38	14.24	19.89	18.14	18.50	27.21	11.38	14.24	19.89
DP-PSP325/65/200	7.68	23.28	23.28	45.38	18.96	22.77	30.54	24.38	24.38	45.38	18.96	22.77	30.54

ProSigma+ S390 (Prepainted) - Single 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		

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

Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-PSP265/65/150	5.09	9.61	9.61	19.21	9.10	11.07	14.96	10.06	10.06	19.21	9.10	11.07	14.96
DP-PSP265/65/200	6.75	12.64	12.64	31.99	15.30	17.91	23.25	13.23	13.23	31.99	15.30	17.91	23.25
DP-PSP300/65/150	5.49	12.97	12.97	22.91	10.08	12.32	16.80	13.58	13.58	22.91	10.08	12.32	16.80
DP-PSP300/65/200	7.29	17.08	17.08	38.18	16.92	19.90	26.01	17.88	17.88	38.18	16.92	19.90	26.01
DP-PSP325/65/150	5.78	15.76	15.76	25.70	10.50	12.94	17.82	16.51	16.51	25.70	10.50	12.94	17.82
DP-PSP325/65/200	7.68	20.77	20.77	42.86	17.59	20.83	27.49	21.75	21.75	42.86	17.59	20.83	27.49

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

Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-PSP300/65/150	5.49	11.64	11.64	21.7	9.37	11.3	15.18	12.19	12.19	21.7	9.37	11.3	15.18
DP-PSP300/65/200	7.29	15.33	15.33	36.17	15.79	18.35	23.63	16.05	16.05	36.17	15.79	18.35	23.63
DP-PSP325/65/150	5.78	14.15	14.15	24.34	9.75	11.84	16.09	14.81	14.81	24.34	9.75	11.84	16.09
DP-PSP325/65/200	7.68	18.64	18.64	40.6	16.4	19.18	24.93	19.52	19.52	40.6	16.4	19.18	24.93

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

Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-PSP300/65/150	5.49	10.51	10.51	20.62	8.75	10.42	13.81	11	11	20.62	8.75	10.42	13.81
DP-PSP300/65/200	7.29	13.83	13.83	34.36	14.8	17.01	21.6	14.48	14.48	34.36	14.8	17.01	21.6
DP-PSP325/65/150	5.78	12.77	12.77	23.13	9.1	10.91	14.62	13.37	13.37	23.13	9.1	10.91	14.62
DP-PSP325/65/200	7.68	16.82	16.82	38.57	15.37	17.77	22.77	17.61	17.61	38.57	15.37	17.77	22.77