

ProSigma+ S390 (Prepainted) - Single Span Heavy End Bay Purlins - Load Tables

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span				Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span			
				Gravity Load	Uplift - metal cladding					Gravity Load	Uplift - metal cladding		
					0	1	2				0	1	2

S390 - Single Span Heavy End Bay Purlins - Span = 3m													
DP-PSP145/65/150	3.71	16.82	23.30	25.23	25.23	25.23	25.23	16.82	25.55	25.23	25.23	25.23	25.23
DP-PSP145/65/200	4.91	27.84	30.46	41.76	41.76	41.76	41.76	27.84	33.40	41.76	41.76	41.76	41.76
DP-PSP175/65/150	4.06	21.66	30.55	32.49	32.49	32.49	32.49	21.66	32.82	32.49	32.49	32.49	32.49
DP-PSP175/65/200	5.37	35.92	40.01	53.89	53.89	53.89	53.89	35.92	42.99	53.89	53.89	53.89	53.89
DP-PSP205/65/150	4.4	26.89	44.41	40.33	40.33	40.33	40.33	26.89	47.71	40.33	40.33	40.33	40.33
DP-PSP205/65/200	5.83	44.65	58.26	66.98	66.98	66.98	66.98	44.65	62.60	66.98	66.98	66.98	66.98
DP-PSP235/65/150	4.75	32.48	54.02	48.71	48.71	48.71	48.71	32.48	56.56	48.71	48.71	48.71	48.71
DP-PSP235/65/200	6.29	54.01	70.95	81.01	80.21	81.01	81.01	54.01	74.30	81.01	80.21	81.01	81.01
DP-PSP265/65/150	5.09	38.43	72.07	57.64	57.64	57.64	57.64	38.43	75.47	57.64	57.64	57.64	57.64
DP-PSP265/65/200	6.75	63.97	94.78	95.96	88.82	95.96	95.96	63.97	99.25	95.96	88.82	95.96	95.96
DP-PSP300/65/150	5.49	45.82	97.29	68.73	65.51	68.73	68.73	45.82	101.88	68.73	65.51	68.73	68.73
DP-PSP300/65/200	7.29	76.37	128.08	114.55	100.11	114.55	114.55	76.37	134.12	114.55	100.11	114.55	114.55
DP-PSP325/65/150	5.78	51.39	118.22	77.09	70.15	77.09	77.09	51.39	123.79	77.09	70.15	77.09	77.09
DP-PSP325/65/200	7.68	85.72	155.74	128.58	106.69	128.58	128.58	85.72	163.09	128.58	106.69	128.58	128.58

S390 - Single Span Heavy End Bay Purlins - Span = 3.5m													
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	14.42	17.12	21.63	21.63	21.63	21.63	14.42	18.77	21.63	21.63	21.63	21.63
DP-PSP145/65/200	4.91	22.38	22.38	35.79	35.79	35.79	35.79	22.38	24.54	35.79	35.79	35.79	35.79
DP-PSP175/65/150	4.06	18.57	22.44	27.85	27.85	27.85	27.85	18.57	24.11	27.85	27.85	27.85	27.85
DP-PSP175/65/200	5.37	29.40	29.40	46.19	45.50	46.19	46.19	30.79	31.58	46.19	45.50	46.19	46.19
DP-PSP205/65/150	4.4	23.05	32.63	34.57	33.03	34.57	34.57	23.05	35.06	34.57	33.03	34.57	34.57
DP-PSP205/65/200	5.83	38.27	42.81	57.41	51.15	57.41	57.41	38.27	45.99	57.41	51.15	57.41	57.41
DP-PSP235/65/150	4.75	27.84	39.69	41.76	39.07	41.76	41.76	27.84	41.56	41.76	39.07	41.76	41.76
DP-PSP235/65/200	6.29	46.29	52.13	69.44	60.51	69.44	69.44	46.29	54.59	69.44	60.51	69.44	69.44
DP-PSP265/65/150	5.09	32.94	52.95	49.41	43.25	49.41	49.41	32.94	55.45	49.41	43.25	49.41	49.41
DP-PSP265/65/200	6.75	54.83	69.63	82.25	66.60	82.25	82.25	54.83	72.92	82.25	66.60	82.25	82.25
DP-PSP300/65/150	5.49	39.27	71.48	58.91	48.72	58.91	58.91	39.27	74.85	58.91	48.72	58.91	58.91
DP-PSP300/65/200	7.29	65.46	94.10	98.18	74.75	98.18	98.18	65.46	98.54	98.18	74.75	98.18	98.18
DP-PSP325/65/150	5.78	44.05	86.85	66.08	51.91	66.08	66.08	44.05	90.95	66.08	51.91	66.08	66.08
DP-PSP325/65/200	7.68	73.47	114.42	110.21	79.29	110.21	110.21	73.47	119.82	110.21	79.29	110.21	110.21

S390 - Single Span Heavy End Bay Purlins - Span = 4m													
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	12.62	13.10	18.92	18.92	18.92	18.92	12.62	14.37	18.92	18.92	18.92	18.92
DP-PSP145/65/200	4.91	17.13	17.13	31.32	31.03	31.32	31.32	17.79	18.79	31.32	31.03	31.32	31.32
DP-PSP175/65/150	4.06	16.25	17.18	24.37	22.98	24.37	24.37	16.25	18.46	24.37	22.98	24.37	24.37
DP-PSP175/65/200	5.37	22.51	22.51	40.41	36.18	40.41	40.41	24.18	24.18	40.41	36.18	40.41	40.41
DP-PSP205/65/150	4.4	20.16	24.98	30.25	25.85	30.25	30.25	20.16	26.84	30.25	25.85	30.25	30.25
DP-PSP205/65/200	5.83	32.77	32.77	50.24	40.34	50.24	50.24	33.49	35.21	50.24	40.34	50.24	50.24

ProSigma+ S390 (Prepainted) - Single Span Heavy End Bay Purlins - Load Tables

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span			Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span				
				Gravity Load	Uplift - metal cladding				Gravity Load	Uplift - metal cladding			
					0	1				2	0	1	2
DP-PSP235/65/150	4.75	24.36	30.38	36.54	30.58	36.54	36.54	24.36	31.82	36.54	30.58	36.54	36.54
DP-PSP235/65/200	6.29	39.91	39.91	60.76	47.75	60.76	60.76	40.51	41.79	60.76	47.75	60.76	60.76
DP-PSP265/65/150	5.09	28.82	40.54	43.23	33.66	43.23	43.23	28.82	42.45	43.23	33.66	43.23	43.23
DP-PSP265/65/200	6.75	47.98	53.31	71.97	52.30	71.97	71.97	47.98	55.83	71.97	52.30	71.97	71.97
DP-PSP300/65/150	5.49	34.36	54.72	51.55	37.79	51.55	51.55	34.36	57.31	51.55	37.79	51.55	51.55
DP-PSP300/65/200	7.29	57.27	72.04	85.91	58.52	83.66	85.91	57.27	75.44	85.91	58.52	83.66	85.91
DP-PSP325/65/150	5.78	38.54	66.50	57.82	40.10	57.82	57.82	38.54	69.63	57.82	40.10	57.82	57.82
DP-PSP325/65/200	7.68	64.29	87.61	96.43	61.85	89.50	96.43	64.29	91.74	96.43	61.85	89.50	96.43

S390 - Single Span Heavy End Bay Purlins - Span = 4.5m

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	10.35	10.35	16.82	16.04	16.82	16.82	11.21	11.35	16.82	16.04	16.82	16.82
DP-PSP145/65/200	4.91	13.54	13.54	27.84	25.70	27.84	27.84	14.84	14.84	27.84	25.70	27.84	27.84
DP-PSP175/65/150	4.06	13.58	13.58	21.66	18.73	21.66	21.66	14.44	14.59	21.66	18.73	21.66	21.66
DP-PSP175/65/200	5.37	17.78	17.78	35.92	29.78	35.92	35.92	19.11	19.11	35.92	29.78	35.92	35.92
DP-PSP205/65/150	4.4	17.92	19.74	26.89	20.92	26.89	26.89	17.92	21.21	26.89	20.92	26.89	26.89
DP-PSP205/65/200	5.83	25.89	25.89	44.65	32.98	44.65	44.65	27.82	27.82	44.65	32.98	44.65	44.65
DP-PSP235/65/150	4.75	21.65	24.01	32.48	24.76	32.48	32.48	21.65	25.14	32.48	24.76	32.48	32.48
DP-PSP235/65/200	6.29	31.54	31.54	54.01	39.07	53.47	54.01	33.02	33.02	54.01	39.07	53.47	54.01
DP-PSP265/65/150	5.09	25.62	32.03	38.43	27.14	38.43	38.43	25.62	33.54	38.43	27.14	38.43	38.43
DP-PSP265/65/200	6.75	42.12	42.12	63.97	42.62	59.21	63.97	42.65	44.11	63.97	42.62	59.21	63.97
DP-PSP300/65/150	5.49	30.55	43.24	45.82	30.39	43.68	45.82	30.55	45.28	45.82	30.39	43.68	45.82
DP-PSP300/65/200	7.29	50.91	56.92	76.37	47.58	66.74	76.37	50.91	59.61	76.37	47.58	66.74	76.37
DP-PSP325/65/150	5.78	34.26	52.54	51.39	32.14	46.76	51.39	34.26	55.02	51.39	32.14	46.76	51.39
DP-PSP325/65/200	7.68	57.14	69.22	85.72	50.12	71.13	85.72	57.14	72.48	85.72	50.12	71.13	85.72

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

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	8.39	8.39	15.14	13.51	15.14	15.14	9.20	9.20	15.14	13.51	15.14	15.14
DP-PSP145/65/200	4.91	10.96	10.96	25.05	21.85	25.05	25.05	12.02	12.02	25.05	21.85	25.05	25.05
DP-PSP175/65/150	4.06	11.00	11.00	19.50	15.69	19.50	19.50	11.81	11.81	19.50	15.69	19.50	19.50
DP-PSP175/65/200	5.37	14.40	14.40	32.33	25.19	32.33	32.33	15.48	15.48	32.33	25.19	32.33	32.33
DP-PSP205/65/150	4.4	15.99	15.99	24.20	17.42	24.10	24.20	16.13	17.18	24.20	17.42	24.10	24.20
DP-PSP205/65/200	5.83	20.97	20.97	40.19	27.74	37.25	40.19	22.53	22.53	40.19	27.74	37.25	40.19
DP-PSP235/65/150	4.75	19.45	19.45	29.23	20.63	28.51	29.23	19.49	20.36	29.23	20.63	28.51	29.23
DP-PSP235/65/200	6.29	25.54	25.54	48.61	32.90	44.07	48.61	26.75	26.75	48.61	32.90	44.07	48.61
DP-PSP265/65/150	5.09	23.06	25.95	34.58	22.53	31.62	34.58	23.06	27.17	34.58	22.53	31.62	34.58
DP-PSP265/65/200	6.75	34.12	34.12	57.58	35.76	48.60	57.58	35.73	35.73	57.58	35.76	48.60	57.58
DP-PSP300/65/150	5.49	27.49	35.02	41.24	25.17	35.67	41.24	27.49	36.68	41.24	25.17	35.67	41.24
DP-PSP300/65/200	7.29	45.82	46.11	68.73	39.85	54.61	68.73	45.82	48.28	68.73	39.85	54.61	68.73
DP-PSP325/65/150	5.78	30.84	42.56	46.25	26.54	38.06	46.25	30.84	44.57	46.25	26.54	38.06	46.25

ProSigma+ S390 (Prepainted) - Single Span Heavy End Bay Purlins - Load Tables

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span			Total Working U.D.L. (kN)	Deflection Span /180	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-PSP325/65/200	7.68	51.43	56.07	77.15	41.87	58.02	77.15	51.43	58.71	77.15	41.87	58.02	77.15

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

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	6.93	6.93	13.76	11.62	13.76	13.76	7.60	7.60	13.76	11.62	13.76	13.76
DP-PSP145/65/200	4.91	9.06	9.06	22.78	18.96	22.78	22.78	9.94	9.94	22.78	18.96	22.78	22.78
DP-PSP175/65/150	4.06	9.09	9.09	17.72	13.44	17.72	17.72	9.76	9.76	17.72	13.44	17.72	17.72
DP-PSP175/65/200	5.37	11.90	11.90	29.39	21.78	27.98	29.39	12.79	12.79	29.39	21.78	27.98	29.39
DP-PSP205/65/150	4.4	13.21	13.21	22.00	14.84	20.21	22.00	14.20	14.20	22.00	14.84	20.21	22.00
DP-PSP205/65/200	5.83	17.33	17.33	36.53	23.87	31.36	36.53	18.62	18.62	36.53	23.87	31.36	36.53
DP-PSP235/65/150	4.75	16.07	16.07	26.57	17.59	23.90	26.57	16.83	16.83	26.57	17.59	23.90	26.57
DP-PSP235/65/200	6.29	21.11	21.11	44.19	28.33	37.11	44.19	22.11	22.11	44.19	28.33	37.11	44.19
DP-PSP265/65/150	5.09	20.96	21.44	31.44	19.15	26.41	31.44	20.96	22.45	31.44	19.15	26.41	31.44
DP-PSP265/65/200	6.75	28.20	28.20	52.34	30.71	40.77	52.34	29.53	29.53	52.34	30.71	40.77	52.34
DP-PSP300/65/150	5.49	24.99	28.94	37.49	21.36	29.71	37.49	24.99	30.31	37.49	21.36	29.71	37.49
DP-PSP300/65/200	7.29	38.11	38.11	62.48	34.17	45.71	62.48	39.90	39.90	62.48	34.17	45.71	62.48
DP-PSP325/65/150	5.78	28.03	35.17	42.05	22.47	31.61	42.05	28.03	36.83	42.05	22.47	31.61	42.05
DP-PSP325/65/200	7.68	46.34	46.34	70.13	35.82	48.43	70.13	46.75	48.52	70.13	35.82	48.43	70.13

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

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	5.82	5.82	12.62	10.18	12.62	12.62	6.39	6.39	12.62	10.18	12.62	12.62
DP-PSP145/65/200	4.91	7.61	7.61	20.88	16.74	20.69	20.88	8.35	8.35	20.88	16.74	20.69	20.88
DP-PSP175/65/150	4.06	7.64	7.64	16.25	11.72	15.32	16.25	8.20	8.20	16.25	11.72	15.32	16.25
DP-PSP175/65/200	5.37	10.00	10.00	26.94	19.16	24.12	26.94	10.75	10.75	26.94	19.16	24.12	26.94
DP-PSP205/65/150	4.4	11.10	11.10	20.16	12.88	17.23	20.16	11.93	11.93	20.16	12.88	17.23	20.16
DP-PSP205/65/200	5.83	14.57	14.57	33.49	20.91	26.89	33.49	15.65	15.65	33.49	20.91	26.89	33.49
DP-PSP235/65/150	4.75	13.50	13.50	24.36	15.29	20.38	24.36	14.14	14.14	24.36	15.29	20.38	24.36
DP-PSP235/65/200	6.29	17.74	17.74	40.51	24.84	31.84	40.51	18.58	18.58	40.51	24.84	31.84	40.51
DP-PSP265/65/150	5.09	18.02	18.02	28.82	16.60	22.44	28.82	18.87	18.87	28.82	16.60	22.44	28.82
DP-PSP265/65/200	6.75	23.69	23.69	47.98	26.87	34.87	47.98	24.81	24.81	47.98	26.87	34.87	47.98
DP-PSP300/65/150	5.49	22.91	24.32	34.36	18.49	25.19	34.36	22.91	25.47	34.36	18.49	25.19	34.36
DP-PSP300/65/200	7.29	32.02	32.02	57.27	29.85	39.02	55.78	33.53	33.53	57.27	29.85	39.02	55.78
DP-PSP325/65/150	5.78	25.70	29.55	38.54	19.41	26.73	38.54	25.70	30.95	38.54	19.41	26.73	38.54
DP-PSP325/65/200	7.68	38.94	38.94	64.29	31.24	41.23	59.67	40.77	40.77	64.29	31.24	41.23	59.67

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

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2

ProSigma+ S390 (Prepainted) - Single Span Heavy End Bay Purlins - Load Tables

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span			Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span				
				Gravity Load	Uplift - metal cladding				Gravity Load	Uplift - metal cladding			
					0	1				2	0	1	2
DP-PSP145/65/150	3.71	4.96	4.96	11.64	9.04	11.39	11.64	5.44	5.44	11.64	9.04	11.39	11.64
DP-PSP145/65/200	4.91	6.49	6.49	19.27	14.98	18.18	19.27	7.11	7.11	19.27	14.98	18.18	19.27
DP-PSP175/65/150	4.06	6.51	6.51	15.00	10.38	13.33	15.00	6.99	6.99	15.00	10.38	13.33	15.00
DP-PSP175/65/200	5.37	8.52	8.52	24.87	17.09	21.11	24.87	9.16	9.16	24.87	17.09	21.11	24.87
DP-PSP205/65/150	4.4	9.46	9.46	18.61	11.36	14.92	18.61	10.16	10.16	18.61	11.36	14.92	18.61
DP-PSP205/65/200	5.83	12.41	12.41	30.91	18.60	23.43	30.91	13.33	13.33	30.91	18.60	23.43	30.91
DP-PSP235/65/150	4.75	11.51	11.51	22.48	13.50	17.65	22.48	12.05	12.05	22.48	13.50	17.65	22.48
DP-PSP235/65/200	6.29	15.11	15.11	37.39	22.11	27.75	37.39	15.83	15.83	37.39	22.11	27.75	37.39
DP-PSP265/65/150	5.09	15.35	15.35	26.60	14.62	19.37	26.60	16.08	16.08	26.60	14.62	19.37	26.60
DP-PSP265/65/200	6.75	20.19	20.19	44.29	23.86	30.31	42.39	21.14	21.14	44.29	23.86	30.31	42.39
DP-PSP300/65/150	5.49	20.72	20.72	31.72	16.26	21.71	31.29	21.15	21.70	31.72	16.26	21.71	31.29
DP-PSP300/65/200	7.29	27.28	27.28	52.87	26.48	33.86	47.83	28.57	28.57	52.87	26.48	33.86	47.83
DP-PSP325/65/150	5.78	23.72	25.18	35.58	17.04	22.98	33.54	23.72	26.37	35.58	17.04	22.98	33.54
DP-PSP325/65/200	7.68	33.18	33.18	59.34	27.67	35.71	51.04	34.74	34.74	59.34	27.67	35.71	51.04

S390 - Single Span Heavy End Bay Purlins - 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	4.28	4.28	10.81	8.13	10.07	10.81	4.69	4.69	10.81	8.13	10.07	10.81
DP-PSP145/65/200	4.91	5.59	5.59	17.90	13.55	16.19	17.90	6.13	6.13	17.90	13.55	16.19	17.90
DP-PSP175/65/150	4.06	5.61	5.61	13.93	9.30	11.74	13.93	6.03	6.03	13.93	9.30	11.74	13.93
DP-PSP175/65/200	5.37	7.35	7.35	23.09	15.43	18.72	23.09	7.90	7.90	23.09	15.43	18.72	23.09
DP-PSP205/65/150	4.4	8.16	8.16	17.28	10.15	13.08	17.28	8.76	8.76	17.28	10.15	13.08	17.28
DP-PSP205/65/200	5.83	10.70	10.70	28.71	16.74	20.70	28.18	11.50	11.50	28.71	16.74	20.70	28.18
DP-PSP235/65/150	4.75	9.92	9.92	20.88	12.07	15.49	20.88	10.39	10.39	20.88	12.07	15.49	20.88
DP-PSP235/65/200	6.29	13.03	13.03	34.72	19.91	24.53	33.34	13.65	13.65	34.72	19.91	24.53	33.34
DP-PSP265/65/150	5.09	13.24	13.24	24.70	13.05	16.96	24.02	13.86	13.86	24.70	13.05	16.96	24.02
DP-PSP265/65/200	6.75	17.41	17.41	41.13	21.46	26.72	36.86	18.23	18.23	41.13	21.46	26.72	36.86
DP-PSP300/65/150	5.49	17.87	17.87	29.45	14.50	18.97	27.16	18.71	18.71	29.45	14.50	18.97	27.16
DP-PSP300/65/200	7.29	23.52	23.52	49.09	23.79	29.81	41.50	24.63	24.63	49.09	23.79	29.81	41.50
DP-PSP325/65/150	5.78	21.71	21.71	33.04	15.17	20.04	29.04	22.03	22.74	33.04	15.17	20.04	29.04
DP-PSP325/65/200	7.68	28.61	28.61	55.10	24.82	31.38	44.18	29.96	29.96	55.10	24.82	31.38	44.18

S390 - Single Span Heavy End Bay Purlins - 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	4.89	4.89	13.00	8.43	10.46	13.00	5.25	5.25	13.00	8.43	10.46	13.00
DP-PSP175/65/200	5.37	6.40	6.40	21.55	14.06	16.79	21.55	6.88	6.88	21.55	14.06	16.79	21.55
DP-PSP205/65/150	4.4	7.11	7.11	16.13	9.17	11.61	16.07	7.63	7.63	16.13	9.17	11.61	16.07
DP-PSP205/65/200	5.83	9.32	9.32	26.79	15.22	18.49	24.84	10.02	10.02	26.79	15.22	18.49	24.84
DP-PSP235/65/150	4.75	8.64	8.64	19.49	10.91	13.75	19.01	9.05	9.05	19.49	10.91	13.75	19.01
DP-PSP235/65/200	6.29	11.35	11.35	32.40	18.11	21.93	29.38	11.89	11.89	32.40	18.11	21.93	29.38
DP-PSP265/65/150	5.09	11.53	11.53	23.06	11.78	15.02	21.08	12.08	12.08	23.06	11.78	15.02	21.08

ProSigma+ S390 (Prepainted) - Single Span Heavy End Bay Purlins - Load Tables

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span			Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span				
				Gravity Load	Uplift - metal cladding				Gravity Load	Uplift - metal cladding			
					0	1				2	0	1	2
DP-PSP265/65/200	6.75	15.16	15.16	38.38	19.49	23.84	32.40	15.88	15.88	38.38	19.49	23.84	32.40
DP-PSP300/65/150	5.49	15.57	15.57	27.49	13.07	16.78	23.78	16.30	16.30	27.49	13.07	16.78	23.78
DP-PSP300/65/200	7.29	20.49	20.49	45.82	21.59	26.56	36.41	21.46	21.46	45.82	21.59	26.56	36.41
DP-PSP325/65/150	5.78	18.91	18.91	30.84	13.65	17.70	25.38	19.81	19.81	30.84	13.65	17.70	25.38
DP-PSP325/65/200	7.68	24.92	24.92	51.43	22.50	27.91	38.68	26.09	26.09	51.43	22.50	27.91	38.68

S390 - Single Span Heavy End Bay Purlins - 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	6.25	6.25	15.12	8.36	10.41	14.26	6.71	6.71	15.12	8.36	10.41	14.26
DP-PSP205/65/200	5.83	8.19	8.19	25.12	13.95	16.69	22.09	8.80	8.80	25.12	13.95	16.69	22.09
DP-PSP235/65/150	4.75	7.60	7.60	18.27	9.95	12.34	16.87	7.95	7.95	18.27	9.95	12.34	16.87
DP-PSP235/65/200	6.29	9.98	9.98	30.38	16.62	19.81	26.14	10.45	10.45	30.38	16.62	19.81	26.14
DP-PSP265/65/150	5.09	10.14	10.14	21.61	10.73	13.45	18.66	10.61	10.61	21.61	10.73	13.45	18.66
DP-PSP265/65/200	6.75	13.33	13.33	35.99	17.86	21.49	28.75	13.96	13.96	35.99	17.86	21.49	28.75
DP-PSP300/65/150	5.49	13.68	13.68	25.77	11.90	15.00	21.01	14.33	14.33	25.77	11.90	15.00	21.01
DP-PSP300/65/200	7.29	18.01	18.01	42.96	19.77	23.92	32.26	18.86	18.86	42.96	19.77	23.92	32.26
DP-PSP325/65/150	5.78	16.62	16.62	28.91	12.41	15.80	22.37	17.41	17.41	28.91	12.41	15.80	22.37
DP-PSP325/65/200	7.68	21.90	21.90	48.22	20.58	25.10	34.21	22.93	22.93	48.22	20.58	25.10	34.21

S390 - Single Span Heavy End Bay Purlins - 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	6.73	6.73	17.19	9.15	11.17	15.09	7.05	7.05	17.19	9.15	11.17	15.09
DP-PSP235/65/200	6.29	8.84	8.84	28.59	15.35	18.05	23.46	9.26	9.26	28.59	15.35	18.05	23.46
DP-PSP265/65/150	5.09	8.98	8.98	20.34	9.85	12.15	16.64	9.40	9.40	20.34	9.85	12.15	16.64
DP-PSP265/65/200	6.75	11.81	11.81	33.87	16.48	19.55	25.75	12.36	12.36	33.87	16.48	19.55	25.75
DP-PSP300/65/150	5.49	12.12	12.12	24.26	10.91	13.54	18.71	12.69	12.69	24.26	10.91	13.54	18.71
DP-PSP300/65/200	7.29	15.95	15.95	40.43	18.23	21.73	28.85	16.71	16.71	40.43	18.23	21.73	28.85
DP-PSP325/65/150	5.78	14.73	14.73	27.21	11.38	14.24	19.89	15.42	15.42	27.21	11.38	14.24	19.89
DP-PSP325/65/200	7.68	19.40	19.40	45.38	18.96	22.77	30.54	20.32	20.32	45.38	18.96	22.77	30.54

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

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP265/65/150	5.09	8.01	8.01	19.21	9.10	11.07	14.96	8.39	8.39	19.21	9.10	11.07	14.96
DP-PSP265/65/200	6.75	10.53	10.53	31.99	15.30	17.91	23.25	11.03	11.03	31.99	15.30	17.91	23.25
DP-PSP300/65/150	5.49	10.81	10.81	22.91	10.08	12.32	16.80	11.32	11.32	22.91	10.08	12.32	16.80
DP-PSP300/65/200	7.29	14.23	14.23	38.18	16.92	19.90	26.01	14.90	14.90	38.18	16.92	19.90	26.01
DP-PSP325/65/150	5.78	13.14	13.14	25.70	10.50	12.94	17.82	13.75	13.75	25.70	10.50	12.94	17.82
DP-PSP325/65/200	7.68	17.30	17.30	42.86	17.59	20.83	27.49	18.12	18.12	42.86	17.59	20.83	27.49

ProSigma+ S390 (Prepainted) - Single Span Heavy End Bay Purlins - Load Tables

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	Deflection Span /180	Ultimate U.D.L. in kN/Span			Total Working U.D.L. (kN)	Deflection Span /180	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 Purlins - Span = 9.5m

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP300/65/150	5.49	9.70	9.70	21.70	9.37	11.30	15.18	10.16	10.16	21.70	9.37	11.30	15.18
DP-PSP300/65/200	7.29	12.77	12.77	36.17	15.79	18.35	23.63	13.37	13.37	36.17	15.79	18.35	23.63
DP-PSP325/65/150	5.78	11.79	11.79	24.34	9.75	11.84	16.09	12.35	12.35	24.34	9.75	11.84	16.09
DP-PSP325/65/200	7.68	15.53	15.53	40.60	16.40	19.18	24.93	16.26	16.26	40.60	16.40	19.18	24.93

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

Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2	U.D.L.	Defl.	Gravity	0	1	2
DP-PSP300/65/150	5.49	8.76	8.76	20.62	8.75	10.42	13.81	9.17	9.17	20.62	8.75	10.42	13.81
DP-PSP300/65/200	7.29	11.53	11.53	34.36	14.80	17.01	21.60	12.07	12.07	34.36	14.80	17.01	21.60
DP-PSP325/65/150	5.78	10.64	10.64	23.13	9.10	10.91	14.62	11.14	11.14	23.13	9.10	10.91	14.62
DP-PSP325/65/200	7.68	14.02	14.02	38.57	15.37	17.77	22.77	14.68	14.68	38.57	15.37	17.77	22.77