

ProSigma+ S390 (Prepainted) - Single Span Sleeved Purlins - 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 ²										Deflec- tion Span /180	Gravity Load	Uplift - metal cladding		
															Number of anti sag rods		
			Purlin Centres in millimetres												0	1	2
	1200	1400	1600	1800	2000	2200	2400	2600	2800								
S390 - Single Span Sleeved Purlins - Span = 3m																	
DP-PSP145/65/150	3.71	16.82	4.67	4.00	3.50	3.11	2.80	2.55	2.34	2.16	2.00	23.30	25.23	25.23	25.23	25.23	
DP-PSP145/65/200	4.91	27.84	7.73	6.63	5.80	5.16	4.64	4.22	3.87	3.57	3.31	30.46	41.76	41.76	41.76	41.76	
DP-PSP175/65/150	4.06	21.66	6.02	5.16	4.51	4.01	3.61	3.28	3.01	2.78	2.58	30.55	32.49	32.49	32.49	32.49	
DP-PSP175/65/200	5.37	35.92	9.98	8.55	7.48	6.65	5.99	5.44	4.99	4.61	4.28	40.01	53.89	53.89	53.89	53.89	
DP-PSP205/65/150	4.4	26.89	7.47	6.40	5.60	4.98	4.48	4.07	3.73	3.45	3.20	44.41	40.33	40.33	40.33	40.33	
DP-PSP205/65/200	5.83	44.65	12.40	10.63	9.30	8.27	7.44	6.77	6.20	5.72	5.32	58.26	66.98	66.98	66.98	66.98	
DP-PSP235/65/150	4.75	32.48	9.02	7.73	6.77	6.01	5.41	4.92	4.51	4.16	3.87	54.02	48.71	48.71	48.71	48.71	
DP-PSP235/65/200	6.29	54.01	15.00	12.86	11.25	10.00	9.00	8.18	7.50	6.92	6.43	70.95	81.01	80.21	81.01	81.01	
DP-PSP265/65/150	5.09	38.43	10.67	9.15	8.01	7.12	6.40	5.82	5.34	4.93	4.57	72.07	57.64	57.64	57.64	57.64	
DP-PSP265/65/200	6.75	63.97	17.77	15.23	13.33	11.85	10.66	9.69	8.89	8.20	7.62	94.78	95.96	88.82	95.96	95.96	
DP-PSP300/65/150	5.49	45.82	12.73	10.91	9.55	8.48	7.64	6.94	6.36	5.87	5.45	97.29	68.73	65.51	68.73	68.73	
DP-PSP300/65/200	7.29	76.37	21.21	18.18	15.91	14.14	12.73	11.57	10.61	9.79	9.09	128.08	114.55	100.11	114.55	114.55	
DP-PSP325/65/150	5.78	51.39	14.28	12.24	10.71	9.52	8.57	7.79	7.14	6.59	6.12	118.22	77.09	70.15	77.09	77.09	
DP-PSP325/65/200	7.68	85.72	23.81	20.41	17.86	15.87	14.29	12.99	11.91	10.99	10.20	155.74	128.58	106.69	128.58	128.58	
S390 - Single Span Sleeved Purlins - 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	14.42	3.43	2.94	2.57	2.29	2.06	1.87	1.72	1.58	1.47	17.12	21.63	21.63	21.63	21.63	
DP-PSP145/65/200	4.91	22.38	5.33	4.57	4.00	3.55	3.20	2.91	2.66	2.46	2.28	22.38	35.79	35.79	35.79	35.79	
DP-PSP175/65/150	4.06	18.57	4.42	3.79	3.32	2.95	2.65	2.41	2.21	2.04	1.89	22.44	27.85	27.85	27.85	27.85	
DP-PSP175/65/200	5.37	29.40	7.00	6.00	5.25	4.67	4.20	3.82	3.50	3.23	3.00	29.40	46.19	45.50	46.19	46.19	
DP-PSP205/65/150	4.4	23.05	5.49	4.70	4.12	3.66	3.29	2.99	2.74	2.53	2.35	32.63	34.57	33.03	34.57	34.57	
DP-PSP205/65/200	5.83	38.27	9.11	7.81	6.83	6.08	5.47	4.97	4.56	4.21	3.91	42.81	57.41	51.15	57.41	57.41	
DP-PSP235/65/150	4.75	27.84	6.63	5.68	4.97	4.42	3.98	3.62	3.31	3.06	2.84	39.69	41.76	39.07	41.76	41.76	
DP-PSP235/65/200	6.29	46.29	11.02	9.45	8.27	7.35	6.61	6.01	5.51	5.09	4.72	52.13	69.44	60.51	69.44	69.44	
DP-PSP265/65/150	5.09	32.94	7.84	6.72	5.88	5.23	4.71	4.28	3.92	3.62	3.36	52.95	49.41	43.25	49.41	49.41	
DP-PSP265/65/200	6.75	54.83	13.06	11.19	9.79	8.70	7.83	7.12	6.53	6.03	5.60	69.63	82.25	66.60	82.25	82.25	
DP-PSP300/65/150	5.49	39.27	9.35	8.01	7.01	6.23	5.61	5.10	4.68	4.32	4.01	71.48	58.91	48.72	58.91	58.91	
DP-PSP300/65/200	7.29	65.46	15.58	13.36	11.69	10.39	9.35	8.50	7.79	7.19	6.68	94.10	98.18	74.75	98.18	98.18	
DP-PSP325/65/150	5.78	44.05	10.49	8.99	7.87	6.99	6.29	5.72	5.24	4.84	4.50	86.85	66.08	51.91	66.08	66.08	
DP-PSP325/65/200	7.68	73.47	17.49	14.99	13.12	11.66	10.50	9.54	8.75	8.07	7.50	114.42	110.21	79.29	110.21	110.21	
S390 - Single Span Sleeved Purlins - 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	12.62	2.63	2.25	1.97	1.75	1.58	1.43	1.31	1.21	1.13	13.10	18.92	18.92	18.92	18.92	
DP-PSP145/65/200	4.91	17.13	3.57	3.06	2.68	2.38	2.14	1.95	1.78	1.65	1.53	17.13	31.32	31.03	31.32	31.32	
DP-PSP175/65/150	4.06	16.25	3.38	2.90	2.54	2.26	2.03	1.85	1.69	1.56	1.45	17.18	24.37	22.98	24.37	24.37	
DP-PSP175/65/200	5.37	22.51	4.69	4.02	3.52	3.13	2.81	2.56	2.34	2.16	2.01	22.51	40.41	36.18	40.41	40.41	
DP-PSP205/65/150	4.4	20.16	4.20	3.60	3.15	2.80	2.52	2.29	2.10	1.94	1.80	24.98	30.25	25.85	30.25	30.25	
DP-PSP205/65/200	5.83	32.77	6.83	5.85	5.12	4.55	4.10	3.72	3.41	3.15	2.93	32.77	50.24	40.34	50.24	50.24	
DP-PSP235/65/150	4.75	24.36	5.07	4.35	3.81	3.38	3.04	2.77	2.54	2.34	2.17	30.38	36.54	30.58	36.54	36.54	
DP-PSP235/65/200	6.29	39.91	8.32	7.13	6.24	5.54	4.99	4.54	4.16	3.84	3.56	39.91	60.76	47.75	60.76	60.76	
DP-PSP265/65/150	5.09	28.82	6.00	5.15	4.50	4.00	3.60	3.27	3.00	2.77	2.57	40.54	43.23	33.66	43.23	43.23	
DP-PSP265/65/200	6.75	47.98	10.00	8.57	7.50	6.66	6.00	5.45	5.00	4.61	4.28	53.31	71.97	52.30	71.97	71.97	
DP-PSP300/65/150	5.49	34.36	7.16	6.14	5.37	4.77	4.30	3.90	3.58	3.30	3.07	54.72	51.55	37.79	51.55	51.55	
DP-PSP300/65/200	7.29	57.27	11.93	10.23	8.95	7.95	7.16	6.51	5.97	5.51	5.11	72.04	85.91	58.52	83.66	85.91	
DP-PSP325/65/150	5.78	38.54	8.03	6.88	6.02	5.35	4.82	4.38	4.02	3.71	3.44	66.50	57.82	40.10	57.82	57.82	
DP-PSP325/65/200	7.68	64.29	13.39	11.48	10.04	8.93	8.04	7.31	6.70	6.18	5.74	87.61	96.43	61.85	89.50	96.43	
S390 - Single Span Sleeved Purlins - 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	10.35	1.92	1.64	1.44	1.28	1.15	1.05	0.96	0.88	0.82	10.35	16.82	16.04	16.82	16.82	
DP-PSP145/65/200	4.91	13.54	2.51	2.15	1.88	1.67	1.50	1.37	1.25	1.16	1.07	13.54	27.84	25.70	27.84	27.84	
DP-PSP175/65/150	4.06	13.58	2.51	2.15	1.89	1.68	1.51	1.37	1.26	1.16	1.08	13.58	21.66	18.73	21.66	21.66	
DP-PSP175/65/200	5.37	17.78	3.29	2.82	2.47	2.20	1.98	1.80	1.65	1.52	1.41	17.78	35.92	29.78	35.92	35.92	
DP-PSP205/65/150	4.4	17.92	3.32	2.85	2.49	2.21	1.99	1.81	1.66	1.53	1.42	19.74	26.89	20.92	26.89	26.89	

ProSigma+ S390 (Prepainted) - Single Span Sleeved Purlins - 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 ²										Deflec- tion Span /180	Gravity Load	Uplift - metal cladding		
															Purlin Centres in millimetres		
			1200	1400	1600	1800	2000	2200	2400	2600	2800	0			1	2	
DP-PSP205/65/200	5.83	25.89	4.80	4.11	3.60	3.20	2.88	2.62	2.40	2.21	2.06	25.89	44.65	32.98	44.65	44.65	
DP-PSP235/65/150	4.75	21.65	4.01	3.44	3.01	2.67	2.41	2.19	2.00	1.85	1.72	24.01	32.48	24.76	32.48	32.48	
DP-PSP235/65/200	6.29	31.54	5.84	5.01	4.38	3.89	3.50	3.19	2.92	2.70	2.50	31.54	54.01	39.07	53.47	54.01	
DP-PSP265/65/150	5.09	25.62	4.74	4.07	3.56	3.16	2.85	2.59	2.37	2.19	2.03	32.03	38.43	27.14	38.43	38.43	
DP-PSP265/65/200	6.75	42.12	7.80	6.69	5.85	5.20	4.68	4.25	3.90	3.60	3.34	42.12	63.97	42.62	59.21	63.97	
DP-PSP300/65/150	5.49	30.55	5.66	4.85	4.24	3.77	3.39	3.09	2.83	2.61	2.42	43.24	45.82	30.39	43.68	45.82	
DP-PSP300/65/200	7.29	50.91	9.43	8.08	7.07	6.29	5.66	5.14	4.71	4.35	4.04	56.92	76.37	47.58	66.74	76.37	
DP-PSP325/65/150	5.78	34.26	6.34	5.44	4.76	4.23	3.81	3.46	3.17	2.93	2.72	52.54	51.39	32.14	46.76	51.39	
DP-PSP325/65/200	7.68	57.14	10.58	9.07	7.94	7.05	6.35	5.77	5.29	4.88	4.54	69.22	85.72	50.12	71.13	85.72	

S390 - Single Span Sleeved Purlins - 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	8.39	1.40	1.20	1.05	0.93	0.84	0.76	0.70			8.39	15.14	13.51	15.14	15.14	
DP-PSP145/65/200	4.91	10.96	1.83	1.57	1.37	1.22	1.10	1.00	0.91	0.84	0.78	10.96	25.05	21.85	25.05	25.05	
DP-PSP175/65/150	4.06	11.00	1.83	1.57	1.37	1.22	1.10	1.00	0.92	0.85	0.79	11.00	19.50	15.69	19.50	19.50	
DP-PSP175/65/200	5.37	14.40	2.40	2.06	1.80	1.60	1.44	1.31	1.20	1.11	1.03	14.40	32.33	25.19	32.33	32.33	
DP-PSP205/65/150	4.4	15.99	2.66	2.28	2.00	1.78	1.60	1.45	1.33	1.23	1.14	15.99	24.20	17.42	24.10	24.20	
DP-PSP205/65/200	5.83	20.97	3.50	3.00	2.62	2.33	2.10	1.91	1.75	1.61	1.50	20.97	40.19	27.74	37.25	40.19	
DP-PSP235/65/150	4.75	19.45	3.24	2.78	2.43	2.16	1.94	1.77	1.62	1.50	1.39	19.45	29.23	20.63	28.51	29.23	
DP-PSP235/65/200	6.29	25.54	4.26	3.65	3.19	2.84	2.55	2.32	2.13	1.96	1.82	25.54	48.61	32.90	44.07	48.61	
DP-PSP265/65/150	5.09	23.06	3.84	3.29	2.88	2.56	2.31	2.10	1.92	1.77	1.65	25.95	34.58	22.53	31.62	34.58	
DP-PSP265/65/200	6.75	34.12	5.69	4.87	4.26	3.79	3.41	3.10	2.84	2.62	2.44	34.12	57.58	35.76	48.60	57.58	
DP-PSP300/65/150	5.49	27.49	4.58	3.93	3.44	3.05	2.75	2.50	2.29	2.11	1.96	35.02	41.24	25.17	35.67	41.24	
DP-PSP300/65/200	7.29	45.82	7.64	6.55	5.73	5.09	4.58	4.17	3.82	3.52	3.27	46.11	68.73	39.85	54.61	68.73	
DP-PSP325/65/150	5.78	30.84	5.14	4.41	3.85	3.43	3.08	2.80	2.57	2.37	2.20	42.56	46.25	26.54	38.06	46.25	
DP-PSP325/65/200	7.68	51.43	8.57	7.35	6.43	5.71	5.14	4.68	4.29	3.96	3.67	56.07	77.15	41.87	58.02	77.15	

S390 - Single Span Sleeved Purlins - 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	6.93	1.05	0.90	0.79	0.70						6.93	13.76	11.62	13.76	13.76	
DP-PSP145/65/200	4.91	9.06	1.37	1.18	1.03	0.92	0.82	0.75	0.69			9.06	22.78	18.96	22.78	22.78	
DP-PSP175/65/150	4.06	9.09	1.38	1.18	1.03	0.92	0.83	0.75	0.69			9.09	17.72	13.44	17.72	17.72	
DP-PSP175/65/200	5.37	11.90	1.80	1.55	1.35	1.20	1.08	0.98	0.90	0.83	0.77	11.90	29.39	21.78	27.98	29.39	
DP-PSP205/65/150	4.4	13.21	2.00	1.72	1.50	1.33	1.20	1.09	1.00	0.92	0.86	13.21	22.00	14.84	20.21	22.00	
DP-PSP205/65/200	5.83	17.33	2.63	2.25	1.97	1.75	1.58	1.43	1.31	1.21	1.13	17.33	36.53	23.87	31.36	36.53	
DP-PSP235/65/150	4.75	16.07	2.43	2.09	1.83	1.62	1.46	1.33	1.22	1.12	1.04	16.07	26.57	17.59	23.90	26.57	
DP-PSP235/65/200	6.29	21.11	3.20	2.74	2.40	2.13	1.92	1.74	1.60	1.48	1.37	21.11	44.19	28.33	37.11	44.19	
DP-PSP265/65/150	5.09	20.96	3.18	2.72	2.38	2.12	1.91	1.73	1.59	1.47	1.36	21.44	31.44	19.15	26.41	31.44	
DP-PSP265/65/200	6.75	28.20	4.27	3.66	3.20	2.85	2.56	2.33	2.14	1.97	1.83	28.20	52.34	30.71	40.77	52.34	
DP-PSP300/65/150	5.49	24.99	3.79	3.25	2.84	2.52	2.27	2.07	1.89	1.75	1.62	28.94	37.49	21.36	29.71	37.49	
DP-PSP300/65/200	7.29	38.11	5.77	4.95	4.33	3.85	3.46	3.15	2.89	2.66	2.47	38.11	62.48	34.17	45.71	62.48	
DP-PSP325/65/150	5.78	28.03	4.25	3.64	3.19	2.83	2.55	2.32	2.12	1.96	1.82	35.17	42.05	22.47	31.61	42.05	
DP-PSP325/65/200	7.68	46.34	7.02	6.02	5.27	4.68	4.21	3.83	3.51	3.24	3.01	46.34	70.13	35.82	48.43	70.13	

S390 - Single Span Sleeved Purlins - 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	5.82	0.81	0.69								5.82	12.62	10.18	12.62	12.62	
DP-PSP145/65/200	4.91	7.61	1.06	0.91	0.79	0.70						7.61	20.88	16.74	20.69	20.88	
DP-PSP175/65/150	4.06	7.64	1.06	0.91	0.80	0.71						7.64	16.25	11.72	15.32	16.25	
DP-PSP175/65/200	5.37	10.00	1.39	1.19	1.04	0.93	0.83	0.76	0.69			10.00	26.94	19.16	24.12	26.94	
DP-PSP205/65/150	4.4	11.10	1.54	1.32	1.16	1.03	0.93	0.84	0.77	0.71		11.10	20.16	12.88	17.23	20.16	
DP-PSP205/65/200	5.83	14.57	2.02	1.73	1.52	1.35	1.21	1.10	1.01	0.93	0.87	14.57	33.49	20.91	26.89	33.49	
DP-PSP235/65/150	4.75	13.50	1.88	1.61	1.41	1.25	1.13	1.02	0.94	0.87	0.80	13.50	24.36	15.29	20.38	24.36	
DP-PSP235/65/200	6.29	17.74	2.46	2.11	1.85	1.64	1.48	1.34	1.23	1.14	1.06	17.74	40.51	24.84	31.84	40.51	
DP-PSP265/65/150	5.09	18.02	2.50	2.15	1.88	1.67	1.50	1.37	1.25	1.16	1.07	18.02	28.82	16.60	22.44	28.82	
DP-PSP265/65/200	6.75	23.69	3.29	2.82	2.47	2.19	1.97	1.80	1.65	1.52	1.41	23.69	47.98	26.87	34.87	47.98	
DP-PSP300/65/150	5.49	22.91	3.18	2.73	2.39	2.12	1.91	1.74	1.59	1.47	1.36	24.32	34.36	18.49	25.19	34.36	

ProSigma+ S390 (Prepainted) - Single Span Sleeved Purlins - 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 ²										Deflec- tion Span /180	Gravity Load	Uplift - metal cladding		
			Purlin Centres in millimetres												Number of anti sag rods		
			1200	1400	1600	1800	2000	2200	2400	2600	2800	0			1	2	
DP-PSP300/65/200	7.29	32.02	4.45	3.81	3.34	2.96	2.67	2.43	2.22	2.05	1.91	32.02	57.27	29.85	39.02	55.78	
DP-PSP325/65/150	5.78	25.70	3.57	3.06	2.68	2.38	2.14	1.95	1.78	1.65	1.53	29.55	38.54	19.41	26.73	38.54	
DP-PSP325/65/200	7.68	38.94	5.41	4.64	4.06	3.61	3.24	2.95	2.70	2.50	2.32	38.94	64.29	31.24	41.23	59.67	

S390 - Single Span Sleeved Purlins - Span = 6.5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP145/65/200	4.91	6.49	0.83	0.71								6.49	19.27	14.98	18.18	19.27
DP-PSP175/65/150	4.06	6.51	0.83	0.72								6.51	15.00	10.38	13.33	15.00
DP-PSP175/65/200	5.37	8.52	1.09	0.94	0.82	0.73						8.52	24.87	17.09	21.11	24.87
DP-PSP205/65/150	4.4	9.46	1.21	1.04	0.91	0.81	0.73					9.46	18.61	11.36	14.92	18.61
DP-PSP205/65/200	5.83	12.41	1.59	1.36	1.19	1.06	0.95	0.87	0.80	0.73	0.68	12.41	30.91	18.60	23.43	30.91
DP-PSP235/65/150	4.75	11.51	1.48	1.26	1.11	0.98	0.89	0.80	0.74	0.68		11.51	22.48	13.50	17.65	22.48
DP-PSP235/65/200	6.29	15.11	1.94	1.66	1.45	1.29	1.16	1.06	0.97	0.89	0.83	15.11	37.39	22.11	27.75	37.39
DP-PSP265/65/150	5.09	15.35	1.97	1.69	1.48	1.31	1.18	1.07	0.98	0.91	0.84	15.35	26.60	14.62	19.37	26.60
DP-PSP265/65/200	6.75	20.19	2.59	2.22	1.94	1.73	1.55	1.41	1.29	1.19	1.11	20.19	44.29	23.86	30.31	42.39
DP-PSP300/65/150	5.49	20.72	2.66	2.28	1.99	1.77	1.59	1.45	1.33	1.23	1.14	20.72	31.72	16.26	21.71	31.29
DP-PSP300/65/200	7.29	27.28	3.50	3.00	2.62	2.33	2.10	1.91	1.75	1.61	1.50	27.28	52.87	26.48	33.86	47.83
DP-PSP325/65/150	5.78	23.72	3.04	2.61	2.28	2.03	1.82	1.66	1.52	1.40	1.30	25.18	35.58	17.04	22.98	33.54
DP-PSP325/65/200	7.68	33.18	4.25	3.65	3.19	2.84	2.55	2.32	2.13	1.96	1.82	33.18	59.34	27.67	35.71	51.04

S390 - Single Span Sleeved Purlins - 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	5.59	0.67									5.59	17.90	13.55	16.19	17.90
DP-PSP175/65/150	4.06	5.61	0.67									5.61	13.93	9.30	11.74	13.93
DP-PSP175/65/200	5.37	7.35	0.87	0.75								7.35	23.09	15.43	18.72	23.09
DP-PSP205/65/150	4.4	8.16	0.97	0.83	0.73							8.16	17.28	10.15	13.08	17.28
DP-PSP205/65/200	5.83	10.70	1.27	1.09	0.96	0.85	0.76	0.69				10.70	28.71	16.74	20.70	28.18
DP-PSP235/65/150	4.75	9.92	1.18	1.01	0.89	0.79	0.71					9.92	20.88	12.07	15.49	20.88
DP-PSP235/65/200	6.29	13.03	1.55	1.33	1.16	1.03	0.93	0.85	0.78	0.72		13.03	34.72	19.91	24.53	33.34
DP-PSP265/65/150	5.09	13.24	1.58	1.35	1.18	1.05	0.95	0.86	0.79	0.73	0.68	13.24	24.70	13.05	16.96	24.02
DP-PSP265/65/200	6.75	17.41	2.07	1.78	1.55	1.38	1.24	1.13	1.04	0.96	0.89	17.41	41.13	21.46	26.72	36.86
DP-PSP300/65/150	5.49	17.87	2.13	1.82	1.60	1.42	1.28	1.16	1.06	0.98	0.91	17.87	29.45	14.50	18.97	27.16
DP-PSP300/65/200	7.29	23.52	2.80	2.40	2.10	1.87	1.68	1.53	1.40	1.29	1.20	23.52	49.09	23.79	29.81	41.50
DP-PSP325/65/150	5.78	21.71	2.58	2.22	1.94	1.72	1.55	1.41	1.29	1.19	1.11	21.71	33.04	15.17	20.04	29.04
DP-PSP325/65/200	7.68	28.61	3.41	2.92	2.55	2.27	2.04	1.86	1.70	1.57	1.46	28.61	55.10	24.82	31.38	44.18

S390 - Single Span Sleeved Purlins - 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	6.40	0.71									6.40	21.55	14.06	16.79	21.55
DP-PSP205/65/150	4.4	7.11	0.79	0.68								7.11	16.13	9.17	11.61	16.07
DP-PSP205/65/200	5.83	9.32	1.04	0.89	0.78	0.69						9.32	26.79	15.22	18.49	24.84
DP-PSP235/65/150	4.75	8.64	0.96	0.82	0.72							8.64	19.49	10.91	13.75	19.01
DP-PSP235/65/200	6.29	11.35	1.26	1.08	0.95	0.84	0.76	0.69				11.35	32.40	18.11	21.93	29.38
DP-PSP265/65/150	5.09	11.53	1.28	1.10	0.96	0.85	0.77	0.70				11.53	23.06	11.78	15.02	21.08
DP-PSP265/65/200	6.75	15.16	1.68	1.44	1.26	1.12	1.01	0.92	0.84	0.78	0.72	15.16	38.38	19.49	23.84	32.40
DP-PSP300/65/150	5.49	15.57	1.73	1.48	1.30	1.15	1.04	0.94	0.86	0.80	0.74	15.57	27.49	13.07	16.78	23.78
DP-PSP300/65/200	7.29	20.49	2.28	1.95	1.71	1.52	1.37	1.24	1.14	1.05	0.98	20.49	45.82	21.59	26.56	36.41
DP-PSP325/65/150	5.78	18.91	2.10	1.80	1.58	1.40	1.26	1.15	1.05	0.97	0.90	18.91	30.84	13.65	17.70	25.38
DP-PSP325/65/200	7.68	24.92	2.77	2.37	2.08	1.85	1.66	1.51	1.38	1.28	1.19	24.92	51.43	22.50	27.91	38.68

S390 - Single Span Sleeved Purlins - Span = 8m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-PSP205/65/200	5.83	8.19	0.85	0.73								8.19	25.12	13.95	16.69	22.09
DP-PSP235/65/150	4.75	7.60	0.79	0.68								7.60	18.27	9.95	12.34	16.87
DP-PSP235/65/200	6.29	9.98	1.04	0.89	0.78	0.69						9.98	30.38	16.62	19.81	26.14
DP-PSP265/65/150	5.09	10.14	1.06	0.90	0.79	0.70						10.14	21.61	10.73	13.45	18.66
DP-PSP265/65/200	6.75	13.33	1.39	1.19	1.04	0.93	0.83	0.76	0.69			13.33	35.99	17.86	21.49	28.75

ProSigma+ S390 (Prepainted) - Single Span Sleeved Purlins - 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 ²										Deflec- tion Span /180	Gravity Load	Uplift - metal cladding		
			Purlin Centres in millimetres												Number of anti sag rods		
			1200	1400	1600	1800	2000	2200	2400	2600	2800	0			1	2	
DP-PSP300/65/150	5.49	13.68	1.43	1.22	1.07	0.95	0.86	0.78	0.71			13.68	25.77	11.90	15.00	21.01	
DP-PSP300/65/200	7.29	18.01	1.88	1.61	1.41	1.25	1.13	1.02	0.94	0.87	0.80	18.01	42.96	19.77	23.92	32.26	
DP-PSP325/65/150	5.78	16.62	1.73	1.48	1.30	1.15	1.04	0.94	0.87	0.80	0.74	16.62	28.91	12.41	15.80	22.37	
DP-PSP325/65/200	7.68	21.90	2.28	1.96	1.71	1.52	1.37	1.24	1.14	1.05	0.98	21.90	48.22	20.58	25.10	34.21	

S390 - Single Span Sleeved Purlins - 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	7.26	0.71									7.26	23.64	12.88	15.20	19.83
DP-PSP235/65/200	6.29	8.84	0.87	0.74								8.84	28.59	15.35	18.05	23.46
DP-PSP265/65/150	5.09	8.98	0.88	0.75								8.98	20.34	9.85	12.15	16.64
DP-PSP265/65/200	6.75	11.81	1.16	0.99	0.87	0.77	0.69					11.81	33.87	16.48	19.55	25.75
DP-PSP300/65/150	5.49	12.12	1.19	1.02	0.89	0.79	0.71					12.12	24.26	10.91	13.54	18.71
DP-PSP300/65/200	7.29	15.95	1.56	1.34	1.17	1.04	0.94	0.85	0.78	0.72	0.67	15.95	40.43	18.23	21.73	28.85
DP-PSP325/65/150	5.78	14.73	1.44	1.24	1.08	0.96	0.87	0.79	0.72	0.67		14.73	27.21	11.38	14.24	19.89
DP-PSP325/65/200	7.68	19.40	1.90	1.63	1.43	1.27	1.14	1.04	0.95	0.88	0.82	19.40	45.38	18.96	22.77	30.54

S390 - Single Span Sleeved Purlins - Span = 9m

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	7.88	0.73									7.88	27.00	14.27	16.56	21.22
DP-PSP265/65/150	5.09	8.01	0.74									8.01	19.21	9.10	11.07	14.96
DP-PSP265/65/200	6.75	10.53	0.98	0.84	0.73							10.53	31.99	15.30	17.91	23.25
DP-PSP300/65/150	5.49	10.81	1.00	0.86	0.75	0.67						10.81	22.91	10.08	12.32	16.80
DP-PSP300/65/200	7.29	14.23	1.32	1.13	0.99	0.88	0.79	0.72				14.23	38.18	16.92	19.90	26.01
DP-PSP325/65/150	5.78	13.14	1.22	1.04	0.91	0.81	0.73					13.14	25.70	10.50	12.94	17.82
DP-PSP325/65/200	7.68	17.30	1.60	1.37	1.20	1.07	0.96	0.87	0.80	0.74	0.69	17.30	42.86	17.59	20.83	27.49

S390 - Single Span Sleeved Purlins - Span = 9.5m

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	9.45	0.83	0.71								9.45	30.30	14.28	16.53	21.14
DP-PSP300/65/150	5.49	9.70	0.85	0.73								9.70	21.70	9.37	11.30	15.18
DP-PSP300/65/200	7.29	12.77	1.12	0.96	0.84	0.75	0.67					12.77	36.17	15.79	18.35	23.63
DP-PSP325/65/150	5.78	11.79	1.03	0.89	0.78	0.69						11.79	24.34	9.75	11.84	16.09
DP-PSP325/65/200	7.68	15.53	1.36	1.17	1.02	0.91	0.82	0.74	0.68			15.53	40.60	16.40	19.18	24.93

S390 - Single Span Sleeved Purlins - 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	8.53	0.71									8.53	28.79	13.40	15.34	19.35
DP-PSP300/65/150	5.49	8.76	0.73									8.76	20.62	8.75	10.42	13.81
DP-PSP300/65/200	7.29	11.53	0.96	0.82	0.72							11.53	34.36	14.80	17.01	21.60
DP-PSP325/65/150	5.78	10.64	0.89	0.76								10.64	23.13	9.10	10.91	14.62
DP-PSP325/65/200	7.68	14.02	1.17	1.00	0.88	0.78	0.70					14.02	38.57	15.37	17.77	22.77