

ProSigma+ HX460LAD (Galv.) - 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						Deflec-tion Span /150	Ultimate U.D.L. in kN/Span					
				Gravity Load	Uplift - metal cladding			Gravity Load	Uplift - metal cladding							
					0	1	2		0		1	2				
HX460LAD - Single Span Heavy End Bay Rails - Span = 3m																
DP-SP145/65/150	3.71	19.84	27.95	29.76	29.76	29.76	29.76	19.84	30.66	29.76	29.76	29.76				
DP-SP145/65/180	4.44	27.73	33.17	41.59	41.59	41.59	41.59	27.73	36.38	41.59	41.59	41.59				
DP-SP145/65/200	4.91	32.84	36.55	49.25	49.25	49.25	49.25	32.84	40.08	49.25	49.25	49.25				
DP-SP175/65/150	4.06	25.55	36.66	38.33	38.33	38.33	38.33	25.55	39.38	38.33	38.33	38.33				
DP-SP175/65/180	4.85	35.75	43.54	53.63	53.63	53.63	53.63	35.75	46.78	53.63	53.63	53.63				
DP-SP175/65/200	5.37	42.37	48.02	63.56	63.56	63.56	63.56	42.37	51.59	63.56	63.56	63.56				
DP-SP205/65/150	4.4	31.71	53.29	47.57	47.57	47.57	47.57	31.71	57.26	47.57	47.57	47.57				
DP-SP205/65/180	5.26	44.41	63.36	66.62	64.22	66.62	66.62	44.41	68.08	66.62	64.22	66.62				
DP-SP205/65/200	5.83	52.67	69.92	79.00	74.44	79.00	79.00	52.67	75.12	79.00	74.44	79.00				
DP-SP235/65/150	4.75	38.31	64.82	57.46	57.08	57.46	57.46	38.31	67.88	57.46	57.08	57.46				
DP-SP235/65/180	5.68	53.69	77.13	80.53	76.00	80.53	80.53	53.69	80.77	80.53	76.00	80.53				
DP-SP235/65/200	6.29	63.70	85.15	95.55	88.10	95.55	95.55	63.70	89.16	95.55	88.10	95.55				
DP-SP265/65/150	5.09	45.32	86.49	67.99	63.37	67.99	67.99	45.32	90.57	67.99	63.37	67.99				
DP-SP265/65/180	6.09	63.56	102.98	95.35	84.05	95.35	95.35	63.56	107.84	95.35	84.05	95.35				
DP-SP265/65/200	6.75	75.46	113.73	113.18	97.26	113.18	113.18	75.46	119.10	113.18	97.26	113.18				
DP-SP300/65/150	5.49	54.04	116.74	81.06	71.56	81.06	81.06	54.04	122.25	81.06	71.56	81.06				
DP-SP300/65/180	6.58	75.84	139.10	113.76	94.64	113.76	113.76	75.84	145.66	113.76	94.64	113.76				
DP-SP300/65/200	7.29	90.07	153.69	135.11	109.40	135.11	135.11	90.07	160.94	135.11	109.40	135.11				
DP-SP325/65/150	5.78	60.62	141.86	90.93	76.42	90.93	90.93	60.62	148.55	90.93	76.42	90.93				
DP-SP325/65/180	6.92	85.11	169.10	127.66	100.75	127.66	127.66	85.11	177.07	127.66	100.75	127.66				
DP-SP325/65/200	7.68	101.10	186.89	151.65	116.30	151.65	151.65	101.10	195.71	151.65	116.30	151.65				

HX460LAD - Single Span Heavy End Bay Rails - Span = 3.5m																	
Section Reference	Weight	U.D.L.	Defl.	END BAY						U.D.L.	Defl.	INTERNAL					
				Gravity	0	1	2	Gravity	0			1	2				
DP-SP145/65/150	3.71	17.00	20.54	25.51	25.51	25.51	25.51	17.00	22.52	25.51	25.51	25.51	25.51				
DP-SP145/65/180	4.44	23.77	24.37	35.65	35.65	35.65	35.65	23.77	26.72	35.65	35.65	35.65	35.65				
DP-SP145/65/200	4.91	26.85	26.85	42.22	42.22	42.22	42.22	26.85	29.45	42.22	42.22	42.22	42.22				
DP-SP175/65/150	4.06	21.90	26.93	32.85	32.15	32.85	32.85	21.90	28.93	32.85	32.15	32.85	32.85				
DP-SP175/65/180	4.85	30.64	31.99	45.97	43.20	45.97	45.97	30.64	34.37	45.97	43.20	45.97	45.97				
DP-SP175/65/200	5.37	35.28	35.28	54.48	50.35	54.48	54.48	35.28	37.90	54.48	50.35	54.48	54.48				
DP-SP205/65/150	4.4	27.18	39.15	40.77	36.28	40.77	40.77	27.18	42.07	40.77	36.28	40.77	40.77				
DP-SP205/65/180	5.26	38.07	46.55	57.10	48.47	57.10	57.10	38.07	50.02	57.10	48.47	57.10	57.10				
DP-SP205/65/200	5.83	45.14	51.37	67.72	56.34	67.72	67.72	45.14	55.19	67.72	56.34	67.72	67.72				
DP-SP235/65/150	4.75	32.83	47.62	49.25	42.92	49.25	49.25	32.83	49.87	49.25	42.92	49.25	49.25				
DP-SP235/65/180	5.68	46.02	56.67	69.02	57.38	69.02	69.02	46.02	59.34	69.02	57.38	69.02	69.02				
DP-SP235/65/200	6.29	54.60	62.56	81.90	66.72	81.90	81.90	54.60	65.51	81.90	66.72	81.90	81.90				
DP-SP265/65/150	5.09	38.85	63.54	58.27	47.36	58.27	58.27	38.85	66.54	58.27	47.36	58.27	58.27				
DP-SP265/65/180	6.09	54.48	75.66	81.73	63.08	81.73	81.73	54.48	79.23	81.73	63.08	81.73	81.73				
DP-SP265/65/200	6.75	64.68	83.56	97.01	73.23	97.01	97.01	64.68	87.50	97.01	73.23	97.01	97.01				
DP-SP300/65/150	5.49	46.32	85.77	69.48	53.24	69.48	69.48	46.32	89.82	69.48	53.24	69.48	69.48				
DP-SP300/65/180	6.58	65.01	102.19	97.51	70.75	97.51	97.51	65.01	107.02	97.51	70.75	97.51	97.51				
DP-SP300/65/200	7.29	77.20	112.92	115.81	82.06	115.81	115.81	77.20	118.24	115.81	82.06	115.81	115.81				
DP-SP325/65/150	5.78	51.96	104.22	77.94	56.59	77.94	77.94	51.96	109.14	77.94	56.59	77.94	77.94				
DP-SP325/65/180	6.92	72.95	124.23	109.42	74.98	109.42	109.42	72.95	130.09	109.42	74.98	109.42	109.42				
DP-SP325/65/200	7.68	86.66	137.31	129.99	86.85	126.48	129.99	86.66	143.79	129.99	86.85	126.48	129.99				

HX460LAD - Single Span Heavy End Bay Rails - Span = 4m																	
Section Reference	Weight	U.D.L.	Defl.	END BAY						U.D.L.	Defl.	INTERNAL					
				Gravity	0	1	2	Gravity	0			1	2				
DP-SP145/65/150	3.71	14.88	15.72	22.32	21.72	22.32	22.32	14.88	17.24	22.32	21.72	22.32	22.32				
DP-SP145/65/180	4.44	18.66	18.66	31.19	29.53	31.19	31.19	18.66	20.46	31.19	29.53	31.19	31.19				
DP-SP145/65/200	4.91	20.56	20.56	36.94	34.61	36.94	36.94	20.56	22.54	36.94	34.61	36.94	36.94				
DP-SP175/65/150	4.06	19.16	20.62	28.75	25.43	28.75	28.75	19.16	22.15	28.75	25.43	28.75	28.75				
DP-SP175/65/180	4.85	24.49	24.49	40.22	34.39	40.22	40.22	24.49	26.32	40.22	34.39	40.22	40.22				
DP-SP175/65/200	5.37	27.01	27.01	47.67	40.22	47.67	47.67	27.01	29.02	47.67	40.22	47.67	47.67				
DP-SP205/65/150	4.4	23.78	29.98	35.68	28.47	35.68	35.68	23.78	32.21	35.68	28.47	35.68	35.68				
DP-SP205/65/180	5.26	33.31	35.64	49.96	38.29	49.96	49.96	33.31	38.29	49.96	38.29	49.96	49.96				
DP-SP205/65/200	5.83	39.33	39.33	59.25	44.67	59.25	59.25	39.33	42.25	59.25	44.67	59.25	59.25				
DP-SP235/65/150	4.75	28.73	36.46	43.09	33.70	43.09	43.09	28.73	38.18	43.09	33.70	43.09	43.09				
DP-SP235/65/180	5.68	40.26	43.38	60.40	45.37	60.40	60.40	40.26	45.43	60.40	45.37	60.40	60.40				
DP-SP235/65/200	6.29	47.78	47.89	71.66	52.94	71.66	71.66	47.78	50.15	71.66	52.94	71.66	71.66				
DP-SP265/65/150	5.09	33.99	48.65	50.99	37.00	50.99	50.99	33.99	50.94	50.99	37.00	50.99	50.99				
DP-SP265/65/180	6.09	47.67	57.93	71.51	49.63	70.01	71.51	47.67	60.66	71.51	49.63	70.01	71.51				
DP-SP265/65/200	6.75	56.59	63.97	84.89	57.84	80.95	84.89	56.59	66.99	84.89	57.84	80.95	84.89				
DP-SP300/65/150	5.49	40.53	65.67	60.80	41.46	59.79	60.80	40.53	68.77	60.80	41.46	59.79	60.80				
DP-SP300/65/180	6.58	56.88	78.24	85.32	55.51	79.11	85.32	56.88	81.93	85.32	55.51	79.11	85.32				

ProSigma+ HX460LAD (Galv.) - 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				
			Deflection Span /150	Ultimate U.D.L. in kN/Span			Deflection 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-SP300/65/200	7.29	67.55	86.45	101.33	64.63	91.36	101.33	67.55	90.53	101.33	64.63	91.36	101.33
DP-SP325/65/150	5.78	45.46	79.80	68.19	43.89	64.10	68.19	45.46	83.56	68.19	43.89	64.10	68.19
DP-SP325/65/180	6.92	63.83	95.12	95.74	58.61	84.53	95.74	63.83	99.60	95.74	58.61	84.53	95.74
DP-SP325/65/200	7.68	75.83	105.13	113.74	68.17	97.48	113.74	75.83	110.09	113.74	68.17	97.48	113.74

HX460LAD - Single Span Heavy End Bay Rails - Span = 4.5m													
Section Reference	Weight	U.D.L.	Defl.	END BAY			U.D.L.	Defl.	INTERNAL				
				Gravity	0	1			2	Gravity	0	1	2
DP-SP145/65/150	3.71	12.42	12.42	19.84	17.88	19.84	19.84	13.23	13.63	19.84	17.88	19.84	19.84
DP-SP145/65/180	4.44	14.74	14.74	27.73	24.48	27.73	27.73	16.17	16.17	27.73	24.48	27.73	27.73
DP-SP145/65/200	4.91	16.24	16.24	32.84	28.79	32.84	32.84	17.81	17.81	32.84	28.79	32.84	32.84
DP-SP175/65/150	4.06	16.29	16.29	25.55	20.81	25.55	25.55	17.03	17.50	25.55	20.81	25.55	25.55
DP-SP175/65/180	4.85	19.35	19.35	35.75	28.35	35.75	35.75	20.79	20.79	35.75	28.35	35.75	35.75
DP-SP175/65/200	5.37	21.34	21.34	42.37	33.28	42.37	42.37	22.93	22.93	42.37	33.28	42.37	42.37
DP-SP205/65/150	4.4	21.14	23.69	31.71	23.14	31.71	31.71	21.14	25.45	31.71	23.14	31.71	31.71
DP-SP205/65/180	5.26	28.16	28.16	44.41	31.36	42.81	44.41	29.61	30.26	44.41	31.36	42.81	44.41
DP-SP205/65/200	5.83	31.07	31.07	52.67	36.72	49.62	52.67	33.38	33.38	52.67	36.72	49.62	52.67
DP-SP235/65/150	4.75	25.54	28.81	38.31	27.42	38.05	38.31	25.54	30.17	38.31	27.42	38.05	38.31
DP-SP235/65/180	5.68	34.28	34.28	53.69	37.19	50.67	53.69	35.79	35.90	53.69	37.19	50.67	53.69
DP-SP235/65/200	6.29	37.84	37.84	63.70	43.57	58.73	63.70	39.63	39.63	63.70	43.57	58.73	63.70
DP-SP265/65/150	5.09	30.22	38.44	45.32	29.98	42.25	45.32	30.22	40.25	45.32	29.98	42.25	45.32
DP-SP265/65/180	6.09	42.38	45.77	63.56	40.53	56.03	63.56	42.38	47.93	63.56	40.53	56.03	63.56
DP-SP265/65/200	6.75	50.30	50.55	75.46	47.42	64.84	75.46	50.30	52.93	75.46	47.42	64.84	75.46
DP-SP300/65/150	5.49	36.03	51.89	54.04	33.51	47.71	54.04	36.03	54.33	54.04	33.51	47.71	54.04
DP-SP300/65/180	6.58	50.56	61.82	75.84	45.23	63.09	75.84	50.56	64.74	75.84	45.23	63.09	75.84
DP-SP300/65/200	7.29	60.05	68.31	90.07	52.87	72.93	90.07	60.05	71.53	90.07	52.87	72.93	90.07
DP-SP325/65/150	5.78	40.41	63.05	60.62	35.36	50.94	60.62	40.41	66.02	60.62	35.36	50.94	60.62
DP-SP325/65/180	6.92	56.74	75.15	85.11	47.61	67.16	85.11	56.74	78.70	85.11	47.61	67.16	85.11
DP-SP325/65/200	7.68	67.40	83.06	101.10	55.60	77.54	101.10	67.40	86.98	101.10	55.60	77.54	101.10

HX460LAD - Single 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-SP145/65/150	3.71	10.06	10.06	17.86	15.12	17.86	17.86	11.04	11.04	17.86	15.12	17.86	17.86
DP-SP145/65/180	4.44	11.94	11.94	24.95	20.84	24.95	24.95	13.10	13.10	24.95	20.84	24.95	24.95
DP-SP145/65/200	4.91	13.16	13.16	29.55	24.59	29.55	29.55	14.43	14.43	29.55	24.59	29.55	29.55
DP-SP175/65/150	4.06	13.20	13.20	23.00	17.50	23.00	23.00	14.18	14.18	23.00	17.50	23.00	23.00
DP-SP175/65/180	4.85	15.68	15.68	32.18	24.02	31.37	32.18	16.84	16.84	32.18	24.02	31.37	32.18
DP-SP175/65/200	5.37	17.29	17.29	38.13	28.29	36.51	38.13	18.57	18.57	38.13	28.29	36.51	38.13
DP-SP205/65/150	4.4	19.03	19.19	28.54	19.35	26.46	28.54	19.03	20.61	28.54	19.35	26.46	28.54
DP-SP205/65/180	5.26	22.81	22.81	39.97	26.42	35.30	39.97	24.51	24.51	39.97	26.42	35.30	39.97
DP-SP205/65/200	5.83	25.17	25.17	47.40	31.05	40.98	47.40	27.04	27.04	47.40	31.05	40.98	47.40
DP-SP235/65/150	4.75	22.98	23.33	34.47	22.96	31.31	34.47	22.98	24.44	34.47	22.96	31.31	34.47
DP-SP235/65/180	5.68	27.77	27.77	48.32	31.38	41.78	48.32	29.08	29.08	48.32	31.38	41.78	48.32
DP-SP235/65/200	6.29	30.65	30.65	57.33	36.88	48.52	57.33	32.10	32.10	57.33	36.88	48.52	57.33
DP-SP265/65/150	5.09	27.19	31.14	40.79	25.01	34.61	40.79	27.19	32.60	40.79	25.01	34.61	40.79
DP-SP265/65/180	6.09	37.07	37.07	57.21	34.08	46.01	57.21	38.14	38.82	57.21	34.08	46.01	57.21
DP-SP265/65/200	6.75	40.94	40.94	67.91	40.01	53.35	67.91	42.88	42.88	67.91	40.01	53.35	67.91
DP-SP300/65/150	5.49	32.43	42.03	48.64	27.91	38.96	48.64	32.43	44.01	48.64	27.91	38.96	48.64
DP-SP300/65/180	6.58	45.51	50.08	68.26	37.96	51.66	68.26	45.51	52.44	68.26	37.96	51.66	68.26
DP-SP300/65/200	7.29	54.04	55.33	81.06	44.54	59.84	81.06	54.04	57.94	81.06	44.54	59.84	81.06
DP-SP325/65/150	5.78	36.37	51.07	54.56	29.37	41.47	54.56	36.37	53.48	54.56	29.37	41.47	54.56
DP-SP325/65/180	6.92	51.06	60.87	76.60	39.86	54.83	76.60	51.06	63.75	76.60	39.86	54.83	76.60
DP-SP325/65/200	7.68	60.66	67.28	90.99	46.71	63.43	90.99	60.66	70.46	90.99	46.71	63.43	90.99

HX460LAD - Single 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-SP145/65/150	3.71	8.32	8.32	16.23	13.06	16.23	16.23	9.12	9.12	16.23	13.06	16.23	16.23
DP-SP145/65/180	4.44	9.87	9.87	22.69	18.11	22.69	22.69	10.82	10.82	22.69	18.11	22.69	22.69
DP-SP145/65/200	4.91	10.87	10.87	26.87	21.43	26.56	26.87	11.92	11.92	26.87	21.43	26.56	26.87
DP-SP175/65/150	4.06	10.91	10.91	20.91	15.06	19.74	20.91	11.72	11.72	20.91	15.06	19.74	20.91
DP-SP175/65/180	4.85	12.96	12.96	29.25	20.80	26.58	29.25	13.92	13.92	29.25	20.80	26.58	29.25
DP-SP175/65/200	5.37	14.29	14.29	34.67	24.56	31.01	34.67	15.35	15.35	34.67	24.56	31.01	34.67
DP-SP205/65/150	4.4	15.86	15.86	25.95	16.57	22.21	25.95	17.04	17.04	25.95	16.57	22.21	25.95
DP-SP205/65/180	5.26	18.85	18.85	36.34	22.77	29.74	36.34	20.25	20.25	36.34	22.77	29.74	36.34
DP-SP205/65/200	5.83	20.80	20.80	43.09	26.84	34.60	43.09	22.35	22.35	43.09	26.84	34.60	43.09

ProSigma+ HX460LAD (Galv.) - 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				Gravity Load	Uplift - metal cladding Number of anti sag rods			
				0	1	2			0	1	2		
DP-SP235/65/150	4.75	19.29	19.29	31.34	19.67	26.28	31.34	20.19	20.19	31.34	19.67	26.28	31.34
DP-SP235/65/180	5.68	22.95	22.95	43.92	27.07	35.21	43.92	24.03	24.03	43.92	27.07	35.21	43.92
DP-SP235/65/200	6.29	25.33	25.33	52.12	31.91	40.99	52.12	26.53	26.53	52.12	31.91	40.99	52.12
DP-SP265/65/150	5.09	24.72	25.73	37.08	21.37	28.95	37.08	24.72	26.95	37.08	21.37	28.95	37.08
DP-SP265/65/180	6.09	30.64	30.64	52.01	29.33	38.64	52.01	32.08	32.08	52.01	29.33	38.64	52.01
DP-SP265/65/200	6.75	33.84	33.84	61.74	34.53	44.91	61.74	35.43	35.43	61.74	34.53	44.91	61.74
DP-SP300/65/150	5.49	29.48	34.73	44.22	23.81	32.50	44.22	29.48	36.37	44.22	23.81	32.50	44.22
DP-SP300/65/180	6.58	41.37	41.38	62.05	32.62	43.30	62.05	41.37	43.34	62.05	32.62	43.30	62.05
DP-SP300/65/200	7.29	45.73	45.73	73.69	38.39	50.28	71.98	47.88	47.88	73.69	38.39	50.28	71.98
DP-SP325/65/150	5.78	33.06	42.21	49.60	25.00	34.50	49.60	33.06	44.20	49.60	25.00	34.50	49.60
DP-SP325/65/180	6.92	46.42	50.31	69.63	34.17	45.82	66.78	46.42	52.68	69.63	34.17	45.82	66.78
DP-SP325/65/200	7.68	55.15	55.60	82.72	40.18	53.15	77.03	55.15	58.23	82.72	40.18	53.15	77.03

HX460LAD - Single 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-SP145/65/150	3.71	6.99	6.99	14.88	11.48	14.48	14.88	7.66	7.66	14.88	11.48	14.48	14.88
DP-SP145/65/180	4.44	8.29	8.29	20.79	16.01	19.68	20.79	9.09	9.09	20.79	16.01	19.68	20.79
DP-SP145/65/200	4.91	9.14	9.14	24.63	18.99	23.07	24.63	10.02	10.02	24.63	18.99	23.07	24.63
DP-SP175/65/150	4.06	9.16	9.16	19.16	13.19	16.95	19.16	9.85	9.85	19.16	13.19	16.95	19.16
DP-SP175/65/180	4.85	10.89	10.89	26.81	18.32	22.93	26.81	11.70	11.70	26.81	18.32	22.93	26.81
DP-SP175/65/200	5.37	12.00	12.00	31.78	21.69	26.81	31.78	12.90	12.90	31.78	21.69	26.81	31.78
DP-SP205/65/150	4.4	13.32	13.32	23.78	14.45	18.98	23.78	14.31	14.31	23.78	14.45	18.98	23.78
DP-SP205/65/180	5.26	15.84	15.84	33.31	19.98	25.52	33.31	17.02	17.02	33.31	19.98	25.52	33.31
DP-SP205/65/200	5.83	17.48	17.48	39.50	23.62	29.78	39.50	18.78	18.78	39.50	23.62	29.78	39.50
DP-SP235/65/150	4.75	16.20	16.20	28.73	17.18	22.47	28.73	16.97	16.97	28.73	17.18	22.47	28.73
DP-SP235/65/180	5.68	19.28	19.28	40.26	23.78	30.24	40.26	20.19	20.19	40.26	23.78	30.24	40.26
DP-SP235/65/200	6.29	21.29	21.29	47.78	28.11	35.30	47.78	22.29	22.29	47.78	28.11	35.30	47.78
DP-SP265/65/150	5.09	21.62	21.62	33.99	18.61	24.66	33.99	22.64	22.64	33.99	18.61	24.66	33.99
DP-SP265/65/180	6.09	25.74	25.74	47.67	25.70	33.09	46.67	26.96	26.96	47.67	25.70	33.09	46.67
DP-SP265/65/200	6.75	28.43	28.43	56.59	30.35	38.56	53.97	29.77	29.77	56.59	30.35	38.56	53.97
DP-SP300/65/150	5.49	27.02	29.19	40.53	20.70	27.64	39.86	27.02	30.56	40.53	20.70	27.64	39.86
DP-SP300/65/180	6.58	34.77	34.77	56.88	28.55	37.01	52.74	36.41	36.41	56.88	28.55	37.01	52.74
DP-SP300/65/200	7.29	38.42	38.42	67.55	33.69	43.09	60.90	40.24	40.24	67.55	33.69	43.09	60.90
DP-SP325/65/150	5.78	30.31	35.47	45.46	21.70	29.26	42.73	30.31	37.14	45.46	21.70	29.26	42.73
DP-SP325/65/180	6.92	42.27	42.27	63.83	29.86	39.07	56.35	42.55	44.27	63.83	29.86	39.07	56.35
DP-SP325/65/200	7.68	46.72	46.72	75.83	35.21	45.44	64.98	48.93	48.93	75.83	35.21	45.44	64.98

HX460LAD - Single 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-SP145/65/150	3.71	5.95	5.95	13.73	10.24	12.68	13.73	6.53	6.53	13.73	10.24	12.68	13.73
DP-SP145/65/180	4.44	7.07	7.07	19.20	14.34	17.32	19.20	7.75	7.75	19.20	14.34	17.32	19.20
DP-SP145/65/200	4.91	7.79	7.79	22.73	17.04	20.34	22.73	8.54	8.54	22.73	17.04	20.34	22.73
DP-SP175/65/150	4.06	7.81	7.81	17.69	11.72	14.78	17.69	8.39	8.39	17.69	11.72	14.78	17.69
DP-SP175/65/180	4.85	9.28	9.28	24.75	16.37	20.09	24.75	9.97	9.97	24.75	16.37	20.09	24.75
DP-SP175/65/200	5.37	10.23	10.23	29.33	19.42	23.55	29.33	10.99	10.99	29.33	19.42	23.55	29.33
DP-SP205/65/150	4.4	11.35	11.35	21.95	12.80	16.47	21.95	12.20	12.20	21.95	12.80	16.47	21.95
DP-SP205/65/180	5.26	13.50	13.50	30.75	17.80	22.26	30.60	14.50	14.50	30.75	17.80	22.26	30.60
DP-SP205/65/200	5.83	14.89	14.89	36.46	21.08	26.04	35.46	16.00	16.00	36.46	21.08	26.04	35.46
DP-SP235/65/150	4.75	13.81	13.81	26.52	15.22	19.51	26.52	14.46	14.46	26.52	15.22	19.51	26.52
DP-SP235/65/180	5.68	16.43	16.43	37.17	21.19	26.40	36.22	17.20	17.20	37.17	21.19	26.40	36.22
DP-SP235/65/200	6.29	18.14	18.14	44.10	25.10	30.89	41.97	18.99	18.99	44.10	25.10	30.89	41.97
DP-SP265/65/150	5.09	18.42	18.42	31.38	16.46	21.36	30.25	19.29	19.29	31.38	16.46	21.36	30.25
DP-SP265/65/180	6.09	21.94	21.94	44.01	22.86	28.81	40.11	22.97	22.97	44.01	22.86	28.81	40.11
DP-SP265/65/200	6.75	24.23	24.23	52.24	27.06	33.66	46.40	25.37	25.37	52.24	27.06	33.66	46.40
DP-SP300/65/150	5.49	24.87	24.87	37.41	18.29	23.90	34.20	24.94	26.04	37.41	18.29	23.90	34.20
DP-SP300/65/180	6.58	29.63	29.63	52.51	25.37	32.17	45.22	31.03	31.03	52.51	25.37	32.17	45.22
DP-SP300/65/200	7.29	32.74	32.74	62.36	30.01	37.55	52.24	34.28	34.28	62.36	30.01	37.55	52.24
DP-SP325/65/150	5.78	27.98	30.22	41.97	19.14	25.24	36.57	27.98	31.64	41.97	19.14	25.24	36.57
DP-SP325/65/180	6.92	36.02	36.02	58.92	26.49	33.89	48.19	37.72	37.72	58.92	26.49	33.89	48.19
DP-SP325/65/200	7.68	39.81	39.81	69.99	31.31	39.52	55.60	41.69	41.69	69.99	31.31	39.52	55.60

HX460LAD - Single 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-SP145/65/150	3.71	5.13	5.13	12.75	9.23	11.24	12.75	5.63	5.63	12.75	9.23	11.24	12.75

ProSigma+ HX460LAD (Galv.) - 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			Gravity Load			Uplift - metal cladding Number of anti sag rods				
0	1	2	0	1	2	0	1	2							
DP-SP145/65/180	4.44	6.09	6.09	17.82	12.99	15.43	17.82	6.68	6.68	17.82	12.99	15.43	17.82		
DP-SP145/65/200	4.91	6.71	6.71	21.11	15.46	18.17	21.11	7.36	7.36	21.11	15.46	18.17	21.11		
DP-SP175/65/150	4.06	6.73	6.73	16.43	10.55	13.06	16.43	7.23	7.23	16.43	10.55	13.06	16.43		
DP-SP175/65/180	4.85	8.00	8.00	22.98	14.79	17.84	22.98	8.59	8.59	22.98	14.79	17.84	22.98		
DP-SP175/65/200	5.37	8.82	8.82	27.24	17.58	20.96	27.24	9.48	9.48	27.24	17.58	20.96	27.24		
DP-SP205/65/150	4.4	9.79	9.79	20.39	11.48	14.49	20.04	10.52	10.52	20.39	11.48	14.49	20.04		
DP-SP205/65/180	5.26	11.64	11.64	28.55	16.04	19.69	26.70	12.50	12.50	28.55	16.04	19.69	26.70		
DP-SP205/65/200	5.83	12.84	12.84	33.86	19.03	23.08	30.96	13.80	13.80	33.86	19.03	23.08	30.96		
DP-SP235/65/150	4.75	11.91	11.91	24.62	13.67	17.18	23.72	12.47	12.47	24.62	13.67	17.18	23.72		
DP-SP235/65/180	5.68	14.17	14.17	34.51	19.11	23.36	31.59	14.83	14.83	34.51	19.11	23.36	31.59		
DP-SP235/65/200	6.29	15.64	15.64	40.95	22.68	27.40	36.64	16.38	16.38	40.95	22.68	27.40	36.64		
DP-SP265/65/150	5.09	15.89	15.89	29.14	14.75	18.76	26.29	16.63	16.63	29.14	14.75	18.76	26.29		
DP-SP265/65/180	6.09	18.91	18.91	40.86	20.58	25.43	34.88	19.81	19.81	40.86	20.58	25.43	34.88		
DP-SP265/65/200	6.75	20.89	20.89	48.51	24.41	29.79	40.39	21.88	21.88	48.51	24.41	29.79	40.39		
DP-SP300/65/150	5.49	21.44	21.44	34.74	16.37	20.96	29.65	22.45	22.45	34.74	16.37	20.96	29.65		
DP-SP300/65/180	6.58	25.55	25.55	48.76	22.82	28.36	39.24	26.75	26.75	48.76	22.82	28.36	39.24		
DP-SP300/65/200	7.29	28.23	28.23	57.90	27.05	33.19	45.39	29.56	29.56	57.90	27.05	33.19	45.39		
DP-SP325/65/150	5.78	25.98	26.06	38.97	17.10	22.09	31.63	25.98	27.29	38.97	17.10	22.09	31.63		
DP-SP325/65/180	6.92	31.06	31.06	54.71	23.80	29.83	41.73	32.52	32.52	54.71	23.80	29.83	41.73		
DP-SP325/65/200	7.68	34.33	34.33	64.99	28.19	34.87	48.20	35.95	35.95	64.99	28.19	34.87	48.20		

HX460LAD - 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-SP175/65/150	4.06	5.87	5.87	15.33	9.58	11.67	15.33	6.30	6.30	15.33	9.58	11.67	15.33
DP-SP175/65/180	4.85	6.97	6.97	21.45	13.49	16.01	20.91	7.49	7.49	21.45	13.49	16.01	20.91
DP-SP175/65/200	5.37	7.68	7.68	25.42	16.07	18.86	24.34	8.25	8.25	25.42	16.07	18.86	24.34
DP-SP205/65/150	4.4	8.53	8.53	19.03	10.40	12.90	17.64	9.16	9.16	19.03	10.40	12.90	17.64
DP-SP205/65/180	5.26	10.14	10.14	26.65	14.60	17.61	23.53	10.89	10.89	26.65	14.60	17.61	23.53
DP-SP205/65/200	5.83	11.19	11.19	31.60	17.35	20.70	27.32	12.02	12.02	31.60	17.35	20.70	27.32
DP-SP235/65/150	4.75	10.37	10.37	22.98	12.39	15.30	20.87	10.86	10.86	22.98	12.39	15.30	20.87
DP-SP235/65/180	5.68	12.34	12.34	32.21	17.40	20.92	27.85	12.92	12.92	32.21	17.40	20.92	27.85
DP-SP235/65/200	6.29	13.62	13.62	38.22	20.69	24.59	32.34	14.27	14.27	38.22	20.69	24.59	32.34
DP-SP265/65/150	5.09	13.84	13.84	27.19	13.36	16.68	23.07	14.49	14.49	27.19	13.36	16.68	23.07
DP-SP265/65/180	6.09	16.48	16.48	38.14	18.72	22.72	30.67	17.25	17.25	38.14	18.72	22.72	30.67
DP-SP265/65/200	6.75	18.20	18.20	45.27	22.24	26.67	35.56	19.06	19.06	45.27	22.24	26.67	35.56
DP-SP300/65/150	5.49	18.68	18.68	32.43	14.81	18.60	25.97	19.56	19.56	32.43	14.81	18.60	25.97
DP-SP300/65/180	6.58	22.26	22.26	45.51	20.74	25.31	34.44	23.31	23.31	45.51	20.74	25.31	34.44
DP-SP300/65/200	7.29	24.59	24.59	54.04	24.63	29.69	39.90	25.75	25.75	54.04	24.63	29.69	39.90
DP-SP325/65/150	5.78	22.70	22.70	36.37	15.45	19.58	27.64	23.77	23.77	36.37	15.45	19.58	27.64
DP-SP325/65/180	6.92	27.06	27.06	51.06	21.60	26.57	36.55	28.33	28.33	51.06	21.60	26.57	36.55
DP-SP325/65/200	7.68	29.90	29.90	60.66	25.64	31.14	42.29	31.31	31.31	60.66	25.64	31.14	42.29

HX460LAD - 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-SP205/65/150	4.4	7.49	7.49	17.84	9.51	11.61	15.66	8.05	8.05	17.84	9.51	11.61	15.66
DP-SP205/65/180	5.26	8.91	8.91	24.98	13.39	15.92	20.94	9.57	9.57	24.98	13.39	15.92	20.94
DP-SP205/65/200	5.83	9.83	9.83	29.63	15.95	18.74	24.35	10.56	10.56	29.63	15.95	18.74	24.35
DP-SP235/65/150	4.75	9.12	9.12	21.55	11.34	13.78	18.53	9.55	9.55	21.55	11.34	13.78	18.53
DP-SP235/65/180	5.68	10.85	10.85	30.20	15.98	18.92	24.80	11.36	11.36	30.20	15.98	18.92	24.80
DP-SP235/65/200	6.29	11.97	11.97	35.83	19.03	22.28	28.84	12.54	12.54	35.83	19.03	22.28	28.84
DP-SP265/65/150	5.09	12.16	12.16	25.49	12.20	14.98	20.44	12.74	12.74	25.49	12.20	14.98	20.44
DP-SP265/65/180	6.09	14.48	14.48	35.75	17.17	20.51	27.24	15.16	15.16	35.75	17.17	20.51	27.24
DP-SP265/65/200	6.75	15.99	15.99	42.44	20.43	24.13	31.64	16.75	16.75	42.44	20.43	24.13	31.64
DP-SP300/65/150	5.49	16.42	16.42	30.40	13.53	16.69	22.97	17.19	17.19	30.40	13.53	16.69	22.97
DP-SP300/65/180	6.58	19.56	19.56	42.66	19.01	22.82	30.54	20.48	20.48	42.66	19.01	22.82	30.54
DP-SP300/65/200	7.29	21.61	21.61	50.67	22.61	26.83	35.44	22.63	22.63	50.67	22.61	26.83	35.44
DP-SP325/65/150	5.78	19.95	19.95	34.10	14.09	17.54	24.40	20.89	20.89	34.10	14.09	17.54	24.40
DP-SP325/65/180	6.92	23.78	23.78	47.87	19.78	23.93	32.35	24.90	24.90	47.87	19.78	23.93	32.35
DP-SP325/65/200	7.68	26.28	26.28	56.87	23.52	28.10	37.49	27.52	27.52	56.87	23.52	28.10	37.49

HX460LAD - 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-SP235/65/150	4.75	8.07	8.07	20.28	10.45	12.51	16.60	8.46	8.46	20.28	10.45	12.51	16.60
DP-SP235/65/180	5.68	9.61	9.61	28.42	14.78	17.25	22.27	10.06	10.06	28.42	14.78	17.25	22.27

ProSigma+ HX460LAD (Galv.) - Single Span Heavy End Bay Rails - Load Tables

Section Reference	Weight (Kg/m)	Total Working U.D.L. (kN)	END BAY						INTERNAL						
			Deflection Span /150	Ultimate U.D.L. in kN/Span					Total Working U.D.L. (kN)	Deflection 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-SP235/65/200	6.29	10.61	10.61	33.72	17.62	20.36	25.95	11.11	11.11	33.72	17.62	20.36	25.95		
DP-SP265/65/150	5.09	10.77	10.77	23.99	11.24	13.58	18.26	11.28	11.28	23.99	11.24	13.58	18.26		
DP-SP265/65/180	6.09	12.83	12.83	33.65	15.86	18.67	24.41	13.43	13.43	33.65	15.86	18.67	24.41		
DP-SP265/65/200	6.75	14.17	14.17	39.95	18.90	22.01	28.40	14.84	14.84	39.95	18.90	22.01	28.40		
DP-SP300/65/150	5.49	14.54	14.54	28.61	12.44	15.12	20.49	15.23	15.23	28.61	12.44	15.12	20.49		
DP-SP300/65/180	6.58	17.33	17.33	40.15	17.55	20.76	27.34	18.14	18.14	40.15	17.55	20.76	27.34		
DP-SP300/65/200	7.29	19.15	19.15	47.68	20.91	24.46	31.77	20.05	20.05	47.68	20.91	24.46	31.77		
DP-SP325/65/150	5.78	17.67	17.67	32.09	12.96	15.86	21.73	18.50	18.50	32.09	12.96	15.86	21.73		
DP-SP325/65/180	6.92	21.06	21.06	45.06	18.25	21.74	28.91	22.06	22.06	45.06	18.25	21.74	28.91		
DP-SP325/65/200	7.68	23.28	23.28	53.52	21.72	25.58	33.56	24.38	24.38	53.52	21.72	25.58	33.56		

HX460LAD - 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-SP265/65/150	5.09	9.61	9.61	22.66	10.41	12.41	16.44	10.06	10.06	22.66	10.41	12.41	16.44				
DP-SP265/65/180	6.09	11.44	11.44	31.78	14.74	17.13	22.06	11.98	11.98	31.78	14.74	17.13	22.06				
DP-SP265/65/200	6.75	12.64	12.64	37.73	17.58	20.23	25.71	13.23	13.23	37.73	17.58	20.23	25.71				
DP-SP300/65/150	5.49	12.97	12.97	27.02	11.52	13.80	18.43	13.58	13.58	27.02	11.52	13.80	18.43				
DP-SP300/65/180	6.58	15.46	15.46	37.92	16.30	19.03	24.67	16.18	16.18	37.92	16.30	19.03	24.67				
DP-SP300/65/200	7.29	17.08	17.08	45.04	19.44	22.46	28.73	17.88	17.88	45.04	19.44	22.46	28.73				
DP-SP325/65/150	5.78	15.76	15.76	30.31	11.99	14.46	19.51	16.51	16.51	30.31	11.99	14.46	19.51				
DP-SP325/65/180	6.92	18.79	18.79	42.55	16.94	19.90	26.05	19.67	19.67	42.55	16.94	19.90	26.05				
DP-SP325/65/200	7.68	20.77	20.77	50.55	20.19	23.47	30.30	21.75	21.75	50.55	20.19	23.47	30.30				

HX460LAD - 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-SP300/65/150	5.49	11.64	11.64	25.60	10.73	12.69	16.69	12.19	12.19	25.60	10.73	12.69	16.69				
DP-SP300/65/180	6.58	13.87	13.87	35.93	15.22	17.57	22.43	14.53	14.53	35.93	15.22	17.57	22.43				
DP-SP300/65/200	7.29	15.33	15.33	42.67	18.18	20.76	26.17	16.05	16.05	42.67	18.18	20.76	26.17				
DP-SP325/65/150	5.78	14.15	14.15	28.71	11.16	13.28	17.65	14.81	14.81	28.71	11.16	13.28	17.65				
DP-SP325/65/180	6.92	16.86	16.86	40.31	15.81	18.35	23.65	17.66	17.66	40.31	15.81	18.35	23.65				
DP-SP325/65/200	7.68	18.64	18.64	47.89	18.86	21.68	27.56	19.52	19.52	47.89	18.86	21.68	27.56				

HX460LAD - 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-SP300/65/150	5.49	10.51	10.51	24.32	10.05	11.74	15.23	11.00	11.00	24.32	10.05	11.74	15.23				
DP-SP300/65/180	6.58	12.52	12.52	34.13	14.28	16.31	20.53	13.11	13.11	34.13	14.28	16.31	20.53				
DP-SP300/65/200	7.29	13.83	13.83	40.53	17.07	19.30	23.99	14.48	14.48	40.53	17.07	19.30	23.99				
DP-SP325/65/150	5.78	12.77	12.77	27.28	10.44	12.27	16.07	13.37	13.37	27.28	10.44	12.27	16.07				
DP-SP325/65/180	6.92	15.22	15.22	38.30	14.82	17.02	21.62	15.94	15.94	38.30	14.82	17.02	21.62				
DP-SP325/65/200	7.68	16.82	16.82	45.50	17.71	20.13	25.23	17.61	17.61	45.50	17.71	20.13	25.23				