

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

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	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								
<b>HX460LAD - Double Span Heavy End Bay Rails - Span = 3m</b>													
DP-SP145/65/150	3.71	15.73	35.53	23.60	23.60	23.60	19.09	43.11	28.63	28.63	28.63	28.63	
DP-SP145/65/180	4.44	22.81	42.16	34.21	34.21	34.21	27.67	51.15	41.51	41.51	41.51	41.51	
DP-SP145/65/200	4.91	27.39	46.45	41.09	41.09	41.09	33.24	56.36	49.86	49.86	49.86	49.86	
DP-SP175/65/150	4.06	18.15	51.83	27.22	27.22	27.22	23.46	67.01	35.19	35.19	35.19	35.19	
DP-SP175/65/180	4.85	26.74	61.57	40.12	40.12	40.12	34.57	79.60	51.86	51.86	51.86	51.86	
DP-SP175/65/200	5.37	32.33	67.90	48.50	48.50	48.50	41.80	87.78	62.70	62.70	62.70	62.70	
DP-SP205/65/150	4.4	21.42	75.36	32.13	32.13	32.13	27.69	97.43	41.53	41.53	41.53	41.53	
DP-SP205/65/180	5.26	32.15	89.60	48.22	48.22	48.22	41.56	115.84	62.34	62.34	62.34	62.34	
DP-SP205/65/200	5.83	39.13	98.86	58.69	58.69	58.69	50.58	127.81	75.87	74.44	75.87	75.87	
DP-SP235/65/150	4.75	23.46	99.86	35.18	35.18	35.18	31.69	134.90	47.53	47.53	47.53	47.53	
DP-SP235/65/180	5.68	35.93	118.83	53.89	53.89	53.89	48.53	160.52	72.80	72.80	72.80	72.80	
DP-SP235/65/200	6.29	44.04	131.18	66.07	66.07	66.07	59.50	177.21	89.25	88.10	89.25	89.25	
DP-SP265/65/150	5.09	26.17	133.24	39.25	39.25	39.25	35.35	180.00	53.03	53.03	53.03	53.03	
DP-SP265/65/180	6.09	41.02	158.65	61.53	61.53	61.53	55.41	214.32	83.12	83.12	83.12	83.12	
DP-SP265/65/200	6.75	50.68	175.22	76.02	76.02	76.02	68.47	236.71	102.70	97.26	102.70	102.70	
DP-SP300/65/150	5.49	31.73	179.86	47.59	47.59	47.59	42.86	242.97	64.29	64.29	64.29	64.29	
DP-SP300/65/180	6.58	46.19	214.30	69.29	69.29	69.29	62.41	289.50	93.61	93.61	93.61	93.61	
DP-SP300/65/200	7.29	55.65	236.79	83.47	83.47	83.47	75.17	319.88	112.76	109.40	112.76	112.76	
DP-SP325/65/150	5.78	35.59	218.55	53.38	53.38	53.38	48.08	295.25	72.12	72.12	72.12	72.12	
DP-SP325/65/180	6.92	51.84	260.51	77.76	77.76	77.76	70.03	351.93	105.04	100.75	105.04	105.04	
DP-SP325/65/200	7.68	62.46	287.93	93.69	93.69	93.69	84.38	388.97	126.57	116.30	126.57	126.57	

<b>HX460LAD - Double Span Heavy End Bay Rails - Span = 3.5m</b>													
Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2 U.D.L.	Defl.	Gravity	0	1	2	
DP-SP145/65/150	3.71	13.90	26.11	20.85	20.85	20.85	16.87	31.67	25.30	25.30	25.30	25.30	
DP-SP145/65/180	4.44	19.96	30.98	29.94	29.94	29.94	24.22	37.58	36.33	36.33	36.33	36.33	
DP-SP145/65/200	4.91	23.89	34.13	35.83	35.83	35.83	28.98	41.41	43.48	43.02	43.48	43.48	
DP-SP175/65/150	4.06	16.17	38.08	24.26	24.26	24.26	20.91	49.23	31.37	31.37	31.37	31.37	
DP-SP175/65/180	4.85	23.53	45.24	35.30	35.30	35.30	30.42	58.48	45.64	43.20	45.64	45.64	
DP-SP175/65/200	5.37	28.32	49.88	42.47	42.47	42.47	36.61	64.49	54.91	50.35	54.91	54.91	
DP-SP205/65/150	4.4	19.28	55.37	28.92	28.92	28.92	24.93	71.58	37.39	36.28	37.39	37.39	
DP-SP205/65/180	5.26	28.45	65.83	42.68	42.68	42.68	36.79	85.11	55.18	48.47	55.18	55.18	
DP-SP205/65/200	5.83	34.42	72.64	51.64	51.64	51.64	44.51	93.90	66.76	56.34	66.76	66.76	
DP-SP235/65/150	4.75	21.35	73.37	32.03	32.03	32.03	28.85	99.11	43.27	42.92	43.27	43.27	
DP-SP235/65/180	5.68	32.00	87.30	48.01	48.01	48.01	43.24	117.94	64.85	57.38	64.85	64.85	
DP-SP235/65/200	6.29	38.94	96.38	58.42	58.42	58.42	52.61	130.19	78.91	66.72	78.91	78.91	
DP-SP265/65/150	5.09	24.14	97.89	36.21	36.21	36.21	32.61	132.24	48.91	47.36	48.91	48.91	
DP-SP265/65/180	6.09	36.80	116.56	55.20	55.20	55.20	49.71	157.46	74.57	63.08	74.57	74.57	
DP-SP265/65/200	6.75	45.05	128.73	67.58	67.58	67.58	60.86	173.91	91.29	73.23	91.29	91.29	
DP-SP300/65/150	5.49	27.20	132.14	40.79	40.79	40.79	36.74	178.51	55.11	53.24	55.11	55.11	
DP-SP300/65/180	6.58	39.60	157.44	59.39	59.39	59.39	53.49	212.69	80.24	70.75	80.24	80.24	
DP-SP300/65/200	7.29	47.70	173.97	71.55	71.55	71.55	64.43	235.01	96.65	82.06	96.65	96.65	
DP-SP325/65/150	5.78	30.50	160.57	45.76	45.76	45.76	41.21	216.92	61.81	56.59	61.81	61.81	
DP-SP325/65/180	6.92	44.43	191.40	66.65	66.65	66.65	60.02	258.56	90.04	74.98	90.04	90.04	
DP-SP325/65/200	7.68	53.54	211.54	80.31	80.31	80.31	72.33	285.77	108.49	86.85	108.49	108.49	

<b>HX460LAD - Double Span Heavy End Bay Rails - Span = 4m</b>													
Section Reference	Weight	END BAY						INTERNAL					
		U.D.L.	Defl.	Gravity	0	1	2 U.D.L.	Defl.	Gravity	0	1	2	
DP-SP145/65/150	3.71	12.44	19.99	18.65	18.65	18.65	15.09	24.25	22.63	21.72	22.63	22.63	
DP-SP145/65/180	4.44	17.73	23.72	26.60	26.60	26.60	21.52	28.77	32.28	29.53	32.28	32.28	
DP-SP145/65/200	4.91	21.17	26.13	31.76	31.76	31.76	25.69	31.70	38.53	34.61	38.53	38.53	
DP-SP175/65/150	4.06	14.56	29.16	21.83	21.83	21.83	18.82	37.69	28.23	25.43	28.23	28.23	
DP-SP175/65/180	4.85	20.99	34.64	31.48	31.48	31.48	27.13	44.78	40.70	34.39	40.70	40.70	
DP-SP175/65/200	5.37	25.17	38.19	37.75	37.75	37.75	32.54	49.38	48.81	40.22	48.81	48.81	
DP-SP205/65/150	4.4	17.46	42.39	26.20	26.20	26.20	22.58	54.80	33.87	28.47	33.87	33.87	
DP-SP205/65/180	5.26	25.48	50.40	38.22	38.22	38.22	32.94	65.16	49.41	38.29	49.41	49.41	
DP-SP205/65/200	5.83	30.70	55.61	46.05	46.05	46.05	39.69	71.90	59.53	44.67	59.53	59.53	
DP-SP235/65/150	4.75	19.48	56.17	29.23	29.23	29.23	26.32	75.88	39.48	33.70	39.48	39.48	
DP-SP235/65/180	5.68	28.79	66.84	43.18	43.18	43.18	38.89	90.29	58.33	45.37	58.33	58.33	
DP-SP235/65/200	6.29	34.85	73.79	52.27	52.27	52.27	47.08	99.68	70.62	52.94	70.62	70.62	
DP-SP265/65/150	5.09	22.21	74.95	33.31	33.31	33.31	30.00	101.25	45.00	37.00	45.00	45.00	
DP-SP265/65/180	6.09	33.26	89.24	49.88	49.63	49.88	44.93	120.56	67.39	49.63	67.39	67.39	

**ProSigma+ HX460LAD (Galv.) - Double 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-SP265/65/200	6.75	40.46	98.56	60.69	57.84	60.69	60.69	54.66	133.15	81.99	57.84	80.95	81.99	
DP-SP300/65/150	5.49	23.80	101.17	35.69	35.69	35.69	35.69	32.15	136.67	48.22	41.46	48.22	48.22	
DP-SP300/65/180	6.58	34.65	120.54	51.97	51.97	51.97	51.97	46.80	162.84	70.21	55.51	70.21	70.21	
DP-SP300/65/200	7.29	41.74	133.19	62.60	62.60	62.60	62.60	56.38	179.93	84.57	64.63	84.57	84.57	
DP-SP325/65/150	5.78	26.69	122.94	40.04	40.04	40.04	40.04	36.06	166.08	54.09	43.89	54.09	54.09	
DP-SP325/65/180	6.92	38.88	146.54	58.32	58.32	58.32	58.32	52.52	197.96	78.78	58.61	78.78	78.78	
DP-SP325/65/200	7.68	46.85	161.96	70.27	68.17	70.27	70.27	63.28	218.80	94.93	68.17	94.93	94.93	

**HX460LAD - Double Span Heavy End Bay Rails - 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-SP145/65/150	3.71	11.24	15.79	16.86	16.86	16.86	13.64	19.16	20.46	17.88	20.46	20.46	
DP-SP145/65/180	4.44	15.95	18.74	23.92	23.92	23.92	19.35	22.73	29.03	24.48	29.03	29.03	
DP-SP145/65/200	4.91	19.00	20.65	28.50	28.50	28.50	23.05	25.05	34.58	28.79	34.58	34.58	
DP-SP175/65/150	4.06	13.21	23.04	19.82	19.82	19.82	17.08	29.78	25.62	20.81	25.62	25.62	
DP-SP175/65/180	4.85	18.93	27.37	28.39	28.35	28.39	24.47	35.38	36.71	28.35	36.71	36.71	
DP-SP175/65/200	5.37	22.64	30.18	33.96	33.28	33.96	29.27	39.01	43.91	33.28	43.91	43.91	
DP-SP205/65/150	4.4	15.93	33.49	23.89	23.14	23.89	20.59	43.30	30.89	23.14	30.89	30.89	
DP-SP205/65/180	5.26	23.05	39.82	34.57	31.36	34.57	29.80	51.48	44.70	31.36	42.81	44.70	
DP-SP205/65/200	5.83	27.68	43.94	41.53	36.72	41.53	35.79	56.81	53.69	36.72	49.62	53.69	
DP-SP235/65/150	4.75	17.86	44.38	26.80	26.80	26.80	24.13	59.96	36.20	27.42	36.20	36.20	
DP-SP235/65/180	5.68	26.12	52.81	39.18	37.19	39.18	35.29	71.34	52.94	37.19	50.67	52.94	
DP-SP235/65/200	6.29	31.51	58.30	47.26	43.57	47.26	42.56	78.76	63.84	43.57	58.73	63.84	
DP-SP265/65/150	5.09	20.48	59.22	30.72	29.98	30.72	27.67	80.00	41.50	29.98	41.50	41.50	
DP-SP265/65/180	6.09	30.28	70.51	45.42	40.53	45.42	40.91	95.26	61.36	40.53	56.03	61.36	
DP-SP265/65/200	6.75	36.68	77.88	55.02	47.42	55.02	49.55	105.20	74.33	47.42	64.84	74.33	
DP-SP300/65/150	5.49	21.15	79.94	31.73	31.73	31.73	28.57	107.99	42.86	33.51	42.86	42.86	
DP-SP300/65/180	6.58	30.80	95.24	46.19	45.23	46.19	41.60	128.67	62.41	45.23	62.41	62.41	
DP-SP300/65/200	7.29	37.10	105.24	55.65	52.87	55.65	50.12	142.17	75.17	52.87	72.93	75.17	
DP-SP325/65/150	5.78	23.73	97.13	35.59	35.36	35.59	32.05	131.22	48.08	35.36	48.08	48.08	
DP-SP325/65/180	6.92	34.56	115.78	51.84	47.61	51.84	46.69	156.41	70.03	47.61	67.16	70.03	
DP-SP325/65/200	7.68	41.64	127.97	62.46	55.60	62.46	56.25	172.88	84.38	55.60	77.54	84.38	

**HX460LAD - Double Span Heavy End Bay Rails - 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-SP145/65/150	3.71	10.25	12.79	15.38	15.12	15.38	12.44	15.52	18.66	15.12	18.66	18.66	
DP-SP145/65/180	4.44	14.49	15.18	21.73	20.84	21.73	17.58	18.42	26.37	20.84	26.37	26.37	
DP-SP145/65/200	4.91	16.72	16.72	25.85	24.59	25.85	20.29	20.29	31.36	24.59	31.12	31.36	
DP-SP175/65/150	4.06	12.09	18.66	18.13	17.50	18.13	15.63	24.12	23.44	17.50	23.38	23.44	
DP-SP175/65/180	4.85	17.23	22.17	25.85	24.02	25.85	22.28	28.66	33.42	24.02	31.37	33.42	
DP-SP175/65/200	5.37	20.57	24.44	30.86	28.29	30.86	26.60	31.60	39.89	28.29	36.51	39.89	
DP-SP205/65/150	4.4	14.63	27.13	21.94	19.35	21.94	18.91	35.07	28.36	19.35	26.46	28.36	
DP-SP205/65/180	5.26	21.03	32.26	31.55	26.42	31.55	27.19	41.70	40.78	26.42	35.30	40.78	
DP-SP205/65/200	5.83	25.20	35.59	37.80	31.05	37.80	32.58	46.01	48.87	31.05	40.98	48.87	
DP-SP235/65/150	4.75	16.47	35.95	24.70	22.96	24.70	22.24	48.57	33.37	22.96	31.31	33.37	
DP-SP235/65/180	5.68	23.89	42.78	35.84	31.38	35.84	32.28	57.79	48.42	31.38	41.78	48.42	
DP-SP235/65/200	6.29	28.73	47.22	43.10	36.88	43.10	38.82	63.80	58.23	36.88	48.52	58.23	
DP-SP265/65/150	5.09	18.96	47.97	28.43	25.01	28.43	25.61	64.80	38.41	25.01	34.61	38.41	
DP-SP265/65/180	6.09	27.77	57.11	41.65	34.08	41.65	37.51	77.16	56.27	34.08	46.01	56.27	
DP-SP265/65/200	6.75	33.52	63.08	50.28	40.01	50.28	45.28	85.21	67.93	40.01	53.35	67.93	
DP-SP300/65/150	5.49	19.04	64.75	28.56	27.91	28.56	25.72	87.47	38.58	27.91	38.58	38.58	
DP-SP300/65/180	6.58	27.72	77.15	41.58	37.96	41.58	37.44	104.22	56.16	37.96	51.66	56.16	
DP-SP300/65/200	7.29	33.22	85.24	49.83	44.54	49.83	44.87	115.16	67.31	44.54	59.84	67.31	
DP-SP325/65/150	5.78	21.35	78.68	32.03	29.37	32.03	28.85	106.29	43.27	29.37	41.47	43.27	
DP-SP325/65/180	6.92	30.72	93.78	46.08	39.86	46.08	41.50	126.69	62.25	39.86	54.83	62.25	
DP-SP325/65/200	7.68	36.22	103.66	54.33	46.71	54.33	48.93	140.03	73.40	46.71	63.43	73.40	

**HX460LAD - Double Span Heavy End Bay Rails - 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-SP145/65/150	3.71	9.42	10.57	14.13	13.06	14.13	11.43	12.83	17.14	13.06	16.78	17.14	
DP-SP145/65/180	4.44	12.54	12.54	19.90	18.11	19.90	15.22	15.22	24.15	18.11	22.71	24.15	
DP-SP145/65/200	4.91	13.82	13.82	23.65	21.43	23.65	16.77	16.77	28.69	21.43	26.56	28.69	

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

Section Reference	Weight (Kg/m)	END BAY						INTERNAL					
		Total Working U.D.L. (kN)	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-SP175/65/150	4.06	11.14	15.42	16.70	15.06	16.70	16.70	14.40	19.94	21.59	15.06	19.74	21.59
DP-SP175/65/180	4.85	15.81	18.32	23.71	20.80	23.71	23.71	20.44	23.68	30.66	20.80	26.58	30.66
DP-SP175/65/200	5.37	18.85	20.20	28.27	24.56	28.27	28.27	24.36	26.12	36.55	24.56	31.01	36.55
DP-SP205/65/150	4.4	13.51	22.42	20.26	16.57	20.26	20.26	17.47	28.99	26.20	16.57	22.21	26.20
DP-SP205/65/180	5.26	19.33	26.66	29.00	22.77	29.00	29.00	24.99	34.46	37.49	22.77	29.74	37.49
DP-SP205/65/200	5.83	23.12	29.41	34.68	26.84	34.60	34.68	29.89	38.03	44.83	26.84	34.60	44.83
DP-SP235/65/150	4.75	15.25	29.71	22.88	19.67	22.88	22.88	20.61	40.14	30.91	19.67	26.28	30.91
DP-SP235/65/180	5.68	22.00	35.35	33.01	27.07	33.01	33.01	29.73	47.76	44.59	27.07	35.21	44.59
DP-SP235/65/200	6.29	26.40	39.03	39.60	31.91	39.60	39.60	35.67	52.72	53.50	31.91	40.99	53.50
DP-SP265/65/150	5.09	17.62	39.64	26.43	21.37	26.43	26.43	23.80	53.55	35.70	21.37	28.95	35.70
DP-SP265/65/180	6.09	25.63	47.20	38.44	29.33	38.44	38.44	34.62	63.77	51.93	29.33	38.64	51.93
DP-SP265/65/200	6.75	30.85	52.13	46.28	34.53	44.91	46.28	41.68	70.43	62.51	34.53	44.91	62.51
DP-SP300/65/150	5.49	17.31	53.51	25.96	23.81	25.96	25.96	23.38	72.29	35.07	23.81	32.50	35.07
DP-SP300/65/180	6.58	24.48	63.76	36.72	32.62	36.72	36.72	33.07	86.13	49.60	32.62	43.30	49.60
DP-SP300/65/200	7.29	28.77	70.45	43.15	38.39	43.15	43.15	38.86	95.17	58.29	38.39	50.28	58.29
DP-SP325/65/150	5.78	19.26	65.02	28.89	25.00	28.89	28.89	26.02	87.84	39.03	25.00	34.50	39.03
DP-SP325/65/180	6.92	26.65	77.51	39.98	34.17	39.98	39.98	36.00	104.71	54.01	34.17	45.82	54.01
DP-SP325/65/200	7.68	31.28	85.67	46.92	40.18	46.92	46.92	42.26	115.73	63.38	40.18	53.15	63.38

**HX460LAD - Double Span Heavy End Bay Rails - 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-SP145/65/150	3.71	8.71	8.88	13.06	11.48	13.06	13.06	10.57	10.78	15.85	11.48	14.48	15.85
DP-SP145/65/180	4.44	10.54	10.54	18.36	16.01	18.36	18.36	12.79	12.79	22.27	16.01	19.68	22.27
DP-SP145/65/200	4.91	11.61	11.61	21.79	18.99	21.79	21.79	14.09	14.09	26.43	18.99	23.07	26.43
DP-SP175/65/150	4.06	10.32	12.96	15.48	13.19	15.48	15.48	13.34	16.75	20.01	13.19	16.95	20.01
DP-SP175/65/180	4.85	14.60	15.39	21.90	18.32	21.90	21.90	18.88	19.90	28.32	18.32	22.93	28.32
DP-SP175/65/200	5.37	16.97	16.97	26.08	21.69	26.08	26.08	21.94	21.94	33.71	21.69	26.81	33.71
DP-SP205/65/150	4.4	12.55	18.84	18.82	14.45	18.82	18.82	16.22	24.36	24.33	14.45	18.98	24.33
DP-SP205/65/180	5.26	17.88	22.40	26.82	19.98	25.52	26.82	23.12	28.96	34.68	19.98	25.52	34.68
DP-SP205/65/200	5.83	21.35	24.72	32.03	23.62	29.78	32.03	27.60	31.95	41.41	23.62	29.78	41.09
DP-SP235/65/150	4.75	14.20	24.97	21.30	17.18	21.30	21.30	19.18	33.73	28.78	17.18	22.47	28.78
DP-SP235/65/180	5.68	20.39	29.71	30.58	23.78	30.24	30.58	27.54	40.13	41.31	23.78	30.24	41.31
DP-SP235/65/200	6.29	24.42	32.79	36.62	28.11	35.30	36.62	32.98	44.30	49.48	28.11	35.30	48.65
DP-SP265/65/150	5.09	16.44	33.31	24.66	18.61	24.66	24.66	22.21	45.00	33.32	18.61	24.66	33.32
DP-SP265/65/180	6.09	23.78	39.66	35.67	25.70	33.09	35.67	32.12	53.58	48.18	25.70	33.09	46.67
DP-SP265/65/200	6.75	28.57	43.81	42.85	30.35	38.56	42.85	38.59	59.18	57.89	30.35	38.56	53.97
DP-SP300/65/150	5.49	15.55	44.96	23.33	20.70	23.33	23.33	21.01	60.74	31.52	20.70	27.64	31.52
DP-SP300/65/180	6.58	21.38	53.57	32.07	28.55	32.07	32.07	28.88	72.37	43.32	28.55	37.01	43.32
DP-SP300/65/200	7.29	25.01	59.20	37.52	33.69	37.52	37.52	33.79	79.97	50.69	33.69	43.09	50.69
DP-SP325/65/150	5.78	16.94	54.64	25.41	21.70	25.41	25.41	22.88	73.81	34.32	21.70	29.26	34.32
DP-SP325/65/180	6.92	23.21	65.13	34.82	29.86	34.82	34.82	31.36	87.98	47.03	29.86	39.07	47.03
DP-SP325/65/200	7.68	27.12	71.98	40.68	35.21	40.68	40.68	36.63	97.24	54.95	35.21	45.44	54.95

**HX460LAD - Double Span Heavy End Bay Rails - 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
DP-SP145/65/150	3.71	7.57	7.57	12.15	10.24	12.15	12.15	9.18	9.18	14.74	10.24	12.68	14.74
DP-SP145/65/180	4.44	8.98	8.98	17.03	14.34	17.03	17.03	10.90	10.90	20.66	14.34	17.32	20.66
DP-SP145/65/200	4.91	9.90	9.90	20.20	17.04	20.20	20.20	12.01	12.01	24.51	17.04	20.34	24.51
DP-SP175/65/150	4.06	9.61	11.04	14.42	11.72	14.42	14.42	12.42	14.27	18.64	11.72	14.78	18.64
DP-SP175/65/180	4.85	13.12	13.12	20.35	16.37	20.09	20.35	16.96	16.96	26.30	16.37	20.09	26.30
DP-SP175/65/200	5.37	14.46	14.46	24.20	19.42	23.55	24.20	18.70	18.70	31.28	19.42	23.55	31.28
DP-SP205/65/150	4.4	11.71	16.05	17.56	12.80	16.47	17.56	15.14	20.75	22.70	12.80	16.47	22.70
DP-SP205/65/180	5.26	16.63	19.09	24.95	17.80	22.26	24.95	21.50	24.68	32.25	17.80	22.26	30.60
DP-SP205/65/200	5.83	19.83	21.06	29.75	21.08	26.04	29.75	25.64	27.23	38.46	21.08	26.04	35.46
DP-SP235/65/150	4.75	13.28	21.27	19.92	15.22	19.51	19.92	17.94	28.74	26.90	15.22	19.51	26.90
DP-SP235/65/180	5.68	18.98	25.31	28.48	21.19	26.40	28.48	25.65	34.19	38.47	21.19	26.40	36.22
DP-SP235/65/200	6.29	22.70	27.94	34.06	25.10	30.89	34.06	30.67	37.75	46.01	25.10	30.89	41.97
DP-SP265/65/150	5.09	15.40	28.38	23.11	16.46	21.36	23.11	20.81	38.34	31.21	16.46	21.36	30.25
DP-SP265/65/180	6.09	22.17	33.80	33.26	22.86	28.81	33.26	29.96	45.65	44.93	22.86	28.81	40.11
DP-SP265/65/200	6.75	26.59	37.33	39.89	27.06	33.66	39.89	35.92	50.42	53.89	27.06	33.66	46.40
DP-SP300/65/150	5.49	13.76	38.31	20.63	18.29	20.63	20.63	18.58	51.76	27.87	18.29	23.90	27.87
DP-SP300/65/180	6.58	18.74	45.65	28.11	25.37	28.11	28.11	25.31	61.67	37.97	25.37	32.17	37.97
DP-SP300/65/200	7.29	21.84	50.44	32.75	30.01	32.75	32.75	29.50	68.14	44.25	30.01	37.55	44.25

**ProSigma+ HX460LAD (Galv.) - Double 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-SP325/65/150	5.78	14.94	46.56	22.41	19.14	22.41	22.41	20.19	62.89	30.28	19.14	25.24	30.28	
DP-SP325/65/180	6.92	20.29	55.49	30.43	26.49	30.43	30.43	27.40	74.97	41.11	26.49	33.89	41.11	
DP-SP325/65/200	7.68	23.60	61.33	35.41	31.31	35.41	35.41	31.89	82.86	47.83	31.31	39.52	47.83	

**HX460LAD - Double 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-SP145/65/150	3.71	6.53	6.53	11.35	9.23	11.24	11.35	7.92	7.92	13.77	9.23	11.24	13.77
DP-SP145/65/180	4.44	7.74	7.74	15.88	12.99	15.43	15.88	9.40	9.40	19.27	12.99	15.43	19.27
DP-SP145/65/200	4.91	8.53	8.53	18.82	15.46	18.17	18.82	10.35	10.35	22.84	15.46	18.17	22.84
DP-SP175/65/150	4.06	8.99	9.52	13.49	10.55	13.06	13.49	11.63	12.31	17.44	10.55	13.06	17.44
DP-SP175/65/180	4.85	11.31	11.31	19.00	14.79	17.84	19.00	14.62	14.62	24.56	14.79	17.84	23.62
DP-SP175/65/200	5.37	12.47	12.47	22.57	17.58	20.96	22.57	16.12	16.12	29.18	17.58	20.96	27.46
DP-SP205/65/150	4.4	10.97	13.84	16.46	11.48	14.49	16.46	14.18	17.89	21.28	11.48	14.49	20.04
DP-SP205/65/180	5.26	15.54	16.46	23.31	16.04	19.69	23.31	20.09	21.28	30.14	16.04	19.69	26.70
DP-SP205/65/200	5.83	18.16	18.16	27.78	19.03	23.08	27.78	23.48	23.48	35.91	19.03	23.08	30.96
DP-SP235/65/150	4.75	12.46	18.34	18.69	13.67	17.18	18.69	16.83	24.78	25.25	13.67	17.18	23.72
DP-SP235/65/180	5.68	17.76	21.83	26.64	19.11	23.36	26.64	23.99	29.48	35.99	19.11	23.36	31.59
DP-SP235/65/200	6.29	21.21	24.09	31.82	22.68	27.40	31.82	28.66	32.55	42.99	22.68	27.40	36.64
DP-SP265/65/150	5.09	14.48	24.47	21.72	14.75	18.76	21.72	19.56	33.06	29.35	14.75	18.76	26.29
DP-SP265/65/180	6.09	20.77	29.14	31.15	20.58	25.43	31.15	28.06	39.37	42.08	20.58	25.43	34.88
DP-SP265/65/200	6.75	24.87	32.18	37.30	24.41	29.79	37.30	33.60	43.48	50.39	24.41	29.79	40.39
DP-SP300/65/150	5.49	12.20	33.04	18.30	16.37	18.30	18.30	16.48	44.63	24.73	16.37	20.96	24.73
DP-SP300/65/180	6.58	16.48	39.36	24.72	22.82	24.72	24.72	22.27	53.17	33.40	22.82	28.36	33.40
DP-SP300/65/200	7.29	19.15	43.49	28.72	27.05	28.72	28.72	25.86	58.75	38.80	27.05	33.19	38.80
DP-SP325/65/150	5.78	13.22	40.14	19.83	17.10	19.83	19.83	17.86	54.23	26.79	17.10	22.09	26.79
DP-SP325/65/180	6.92	17.80	47.85	26.69	23.80	26.69	26.69	24.04	64.64	36.06	23.80	29.83	36.06
DP-SP325/65/200	7.68	20.64	52.89	30.96	28.19	30.96	30.96	27.88	71.44	41.82	28.19	34.87	41.82

**HX460LAD - Double 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	8.29	8.29	12.67	9.58	11.67	12.67	10.72	10.72	16.38	9.58	11.67	15.58
DP-SP175/65/180	4.85	9.85	9.85	17.81	13.49	16.01	17.81	12.74	12.74	23.03	13.49	16.01	20.91
DP-SP175/65/200	5.37	10.86	10.86	21.15	16.07	18.86	21.15	14.04	14.04	27.34	16.07	18.86	24.34
DP-SP205/65/150	4.4	10.32	12.06	15.48	10.40	12.90	15.48	13.34	15.59	20.01	10.40	12.90	17.64
DP-SP205/65/180	5.26	14.34	14.34	21.88	14.60	17.61	21.88	18.53	18.53	28.29	14.60	17.61	23.53
DP-SP205/65/200	5.83	15.82	15.82	26.04	17.35	20.70	26.04	20.45	20.45	33.67	17.35	20.70	27.32
DP-SP235/65/150	4.75	11.74	15.98	17.61	12.39	15.30	17.61	15.86	21.58	23.79	12.39	15.30	20.87
DP-SP235/65/180	5.68	16.68	19.01	25.03	17.40	20.92	25.03	22.54	25.68	33.81	17.40	20.92	27.85
DP-SP235/65/200	6.29	19.91	20.99	29.86	20.69	24.59	29.86	26.89	28.35	40.34	20.69	24.59	32.34
DP-SP265/65/150	5.09	13.66	21.32	20.49	13.36	16.68	20.49	18.46	28.80	27.68	13.36	16.68	23.07
DP-SP265/65/180	6.09	19.53	25.38	29.29	18.72	22.72	29.29	26.38	34.29	39.57	18.72	22.72	30.67
DP-SP265/65/200	6.75	23.35	28.04	35.03	22.24	26.67	35.03	31.55	37.87	47.32	22.24	26.67	35.56
DP-SP300/65/150	5.49	10.85	28.78	16.28	14.81	16.28	16.28	14.66	38.88	22.00	14.81	18.60	22.00
DP-SP300/65/180	6.58	14.56	34.29	21.84	20.74	21.84	21.84	19.67	46.32	29.50	20.74	25.31	29.50
DP-SP300/65/200	7.29	16.87	37.89	25.30	24.63	25.30	25.30	22.79	51.18	34.18	24.63	29.69	34.18
DP-SP325/65/150	5.78	11.73	34.97	17.60	15.45	17.60	17.60	15.85	47.24	23.77	15.45	19.58	23.77
DP-SP325/65/180	6.92	15.68	41.68	23.52	21.60	23.52	23.52	21.18	56.31	31.77	21.60	26.57	31.77
DP-SP325/65/200	7.68	18.14	46.07	27.21	25.64	27.21	27.21	24.51	62.24	36.76	25.64	31.14	36.76

**HX460LAD - Double 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	9.74	10.60	14.61	9.51	11.61	14.61	12.59	13.70	18.89	9.51	11.61	15.66
DP-SP205/65/180	5.26	12.60	12.60	20.61	13.39	15.92	20.61	16.29	16.29	26.65	13.39	15.92	20.94
DP-SP205/65/200	5.83	13.90	13.90	24.51	15.95	18.74	24.51	17.97	17.97	31.69	15.95	18.74	24.35
DP-SP235/65/150	4.75	11.09	14.04	16.64	11.34	13.78	16.64	14.99	18.97	22.48	11.34	13.78	18.53
DP-SP235/65/180	5.68	15.73	16.71	23.59	15.98	18.92	23.59	21.25	22.57	31.87	15.98	18.92	24.80
DP-SP235/65/200	6.29	18.45	18.45	28.12	19.03	22.28	28.12	24.92	24.92	37.99	19.03	22.28	28.84
DP-SP265/65/150	5.09	12.93	18.74	19.39	12.20	14.98	19.39	17.46	25.31	26.19	12.20	14.98	20.44
DP-SP265/65/180	6.09	18.42	22.31	27.64	17.17	20.51	27.24	24.89	30.14	37.33	17.17	20.51	27.24
DP-SP265/65/200	6.75	22.01	24.64	33.02	20.43	24.13	31.64	29.74	33.29	44.60	20.43	24.13	31.64
DP-SP300/65/150	5.49	9.69	25.29	14.53	13.53	14.53	14.53	13.09	34.17	19.63	13.53	16.69	19.63

**ProSigma+ HX460LAD (Galv.) - Double 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-SP300/65/180	6.58	12.92	30.14	19.38	19.01	19.38	19.38	17.46	40.71	26.18	19.01	22.82	26.18	
DP-SP300/65/200	7.29	14.94	33.30	22.42	22.42	22.42	22.42	20.19	44.98	30.28	22.61	26.83	30.28	
DP-SP325/65/150	5.78	10.45	30.73	15.67	14.09	15.67	15.67	14.11	41.52	21.17	14.09	17.54	21.17	
DP-SP325/65/180	6.92	13.88	36.63	20.82	19.78	20.82	20.82	18.75	49.49	28.13	19.78	23.93	28.13	
DP-SP325/65/200	7.68	16.03	40.49	24.05	23.52	24.05	24.05	21.66	54.70	32.49	23.52	28.10	32.49	

**HX460LAD - 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-SP235/65/150	4.75	10.51	12.44	15.77	10.45	12.51	15.77	14.20	16.80	21.30	10.45	12.51	16.60
DP-SP235/65/180	5.68	14.80	14.80	22.31	14.78	17.25	22.27	20.00	20.00	30.14	14.78	17.25	22.27
DP-SP235/65/200	6.29	16.34	16.34	26.58	17.62	20.36	25.95	22.07	22.07	35.90	17.62	20.36	25.95
DP-SP265/65/150	5.09	12.26	16.60	18.39	11.24	13.58	18.26	16.57	22.42	24.85	11.24	13.58	18.26
DP-SP265/65/180	6.09	17.44	19.76	26.16	15.86	18.67	24.41	23.56	26.70	35.34	15.86	18.67	24.41
DP-SP265/65/200	6.75	20.81	21.83	31.22	18.90	22.01	28.40	28.12	29.49	42.18	18.90	22.01	28.40
DP-SP300/65/150	5.49	8.68	22.40	13.01	12.44	13.01	13.01	11.72	30.27	17.58	12.44	15.12	17.58
DP-SP300/65/180	6.58	11.52	26.69	17.29	17.29	17.29	17.29	15.57	36.06	23.35	17.55	20.76	23.35
DP-SP300/65/200	7.29	13.32	29.50	19.97	19.97	19.97	19.97	17.99	39.85	26.98	20.91	24.46	26.98
DP-SP325/65/150	5.78	9.33	27.22	14.00	12.96	14.00	14.00	12.61	36.78	18.91	12.96	15.86	18.91
DP-SP325/65/180	6.92	12.36	32.45	18.53	18.25	18.53	18.53	16.69	43.84	25.04	18.25	21.74	25.04
DP-SP325/65/200	7.68	14.25	35.87	21.38	21.38	21.38	21.38	19.26	48.45	28.89	21.72	25.58	28.89

**HX460LAD - Double 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	11.66	14.80	17.50	10.41	12.41	16.44	15.76	20.00	23.63	10.41	12.41	16.44
DP-SP265/65/180	6.09	16.55	17.63	24.83	14.74	17.13	22.06	22.36	23.81	33.54	14.74	17.13	22.06
DP-SP265/65/200	6.75	19.47	19.47	29.61	17.58	20.23	25.71	26.30	26.30	40.00	17.58	20.23	25.71
DP-SP300/65/150	5.49	7.80	19.98	11.70	11.52	11.70	11.70	10.54	27.00	15.80	11.52	13.80	15.80
DP-SP300/65/180	6.58	10.33	23.81	15.50	15.50	15.50	15.50	13.96	32.17	20.94	16.30	19.03	20.94
DP-SP300/65/200	7.29	11.93	26.31	17.90	17.90	17.90	17.90	16.12	35.54	24.18	19.44	22.46	24.18
DP-SP325/65/150	5.78	8.37	24.28	12.56	11.99	12.56	12.56	11.31	32.81	16.97	11.99	14.46	16.97
DP-SP325/65/180	6.92	11.06	28.95	16.58	16.58	16.58	16.58	14.94	39.10	22.40	16.94	19.90	22.40
DP-SP325/65/200	7.68	12.75	31.99	19.12	19.12	19.12	19.12	17.22	43.22	25.84	20.19	23.47	25.84

**HX460LAD - Double 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	7.04	17.94	10.56	10.56	10.56	10.56	9.51	24.23	14.27	10.73	12.69	14.27
DP-SP300/65/180	6.58	9.31	21.37	13.97	13.97	13.97	13.97	12.58	28.87	18.87	15.22	17.57	18.87
DP-SP300/65/200	7.29	10.75	23.61	16.13	16.13	16.13	16.13	14.53	31.90	21.79	18.18	20.76	21.79
DP-SP325/65/150	5.78	7.54	21.79	11.32	11.16	11.32	11.32	10.19	29.44	15.29	11.16	13.28	15.29
DP-SP325/65/180	6.92	9.95	25.98	14.92	14.92	14.92	14.92	13.44	35.10	20.16	15.81	18.35	20.16
DP-SP325/65/200	7.68	11.47	28.71	17.21	17.21	17.21	17.21	15.50	38.79	23.25	18.86	21.68	23.25

**HX460LAD - Double 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	6.38	16.19	9.57	9.57	9.57	9.57	8.62	21.87	12.93	10.05	11.74	12.93
DP-SP300/65/180	6.58	8.44	19.29	12.66	12.66	12.66	12.66	11.40	26.05	17.10	14.28	16.31	17.10
DP-SP300/65/200	7.29	9.75	21.31	14.62	14.62	14.62	14.62	13.17	28.79	19.75	17.07	19.30	19.75
DP-SP325/65/150	5.78	6.83	19.67	10.24	10.24	10.24	10.24	9.22	26.57	13.84	10.44	12.27	13.84
DP-SP325/65/180	6.92	9.00	23.45	13.50	13.50	13.50	13.50	12.16	31.67	18.23	14.82	17.02	18.23
DP-SP325/65/200	7.68	10.38	25.91	15.57	15.57	15.57	15.57	14.02	35.01	21.03	17.71	20.13	21.03