

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

Section Reference	Weight (Kg/m)	END BAY						INTERNAL							
		Total Working U.D.L. (KN)	Ultimate U.D.L. in kN/Span						Total Working U.D.L. (KN)	Ultimate U.D.L. in kN/Span					
			Deflection Span /150	Gravity Load	Uplift - metal cladding			Deflection Span /150		Gravity Load	Uplift - metal cladding				
					Number of anti sag rods						Number of anti sag rods				
0	1	2	0	1	2										

**Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD Span = 4.0**

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	3.78	14.97	16.17	22.46	18.57	18.57	18.57	14.97	17.74	22.46	22.22	22.46	22.46
DP-SP145/65/180	4.53	19.30	19.30	31.57	26.64	26.64	26.64	21.05	21.17	31.57	30.34	31.57	31.57
DP-SP145/65/200	5.03	21.36	21.36	31.93	31.93	31.93	31.93	23.42	23.42	37.54	35.67	37.54	37.54
DP-SP175/65/150	4.13	19.25	21.17	21.72	21.72	21.72	21.72	19.25	22.75	28.87	25.98	28.87	28.87
DP-SP175/65/180	4.95	25.29	25.29	31.50	31.50	31.50	31.50	27.08	27.17	40.62	35.29	40.62	40.62
DP-SP175/65/200	5.49	27.99	27.99	37.91	37.91	37.91	37.91	30.07	30.07	48.33	41.39	48.33	48.33
DP-SP205/65/150	4.47	23.86	30.74	26.03	26.03	26.03	26.03	23.86	33.02	35.78	29.07	35.78	35.78
DP-SP205/65/180	5.36	33.59	36.74	38.17	38.17	38.17	38.17	33.59	39.47	50.38	39.24	50.38	50.38
DP-SP205/65/200	5.95	39.97	40.68	46.15	45.90	46.15	46.15	39.97	43.71	59.96	45.90	59.96	59.96
DP-SP235/65/150	4.81	28.78	37.34	29.02	29.02	29.02	29.02	28.78	39.10	43.17	34.38	43.17	43.17
DP-SP235/65/180	5.78	40.54	44.65	43.10	43.10	43.10	43.10	40.54	46.76	60.81	46.46	60.81	60.81
DP-SP235/65/200	6.42	48.27	49.46	52.35	52.35	52.35	52.35	48.27	51.80	72.40	54.35	72.40	72.40
DP-SP265/65/150	5.16	34.02	49.77	33.05	33.05	33.05	33.05	34.02	52.12	51.03	37.73	51.03	51.03
DP-SP265/65/180	6.19	47.94	59.54	49.72	49.72	49.72	49.72	47.94	62.35	71.91	50.79	71.66	71.91
DP-SP265/65/200	6.88	57.09	65.98	60.69	59.33	60.69	60.69	57.09	69.09	85.64	59.33	83.04	85.64
DP-SP300/65/150	5.56	40.52	67.11	35.37	35.37	35.37	35.37	40.52	70.27	60.78	42.26	60.78	60.78
DP-SP300/65/180	6.68	57.13	80.32	51.73	51.73	51.73	51.73	57.13	84.11	85.69	56.76	80.92	85.69
DP-SP300/65/200	7.42	68.05	89.03	62.51	62.51	62.51	62.51	68.05	93.23	102.08	66.23	93.64	102.08
DP-SP325/65/150	5.85	45.42	81.49	39.65	39.65	39.65	39.65	45.42	85.33	68.13	44.73	65.34	68.13
DP-SP325/65/180	7.02	64.05	97.56	58.00	58.00	58.00	58.00	64.05	102.17	96.07	59.90	86.43	96.07
DP-SP325/65/200	7.80	76.31	108.15	70.10	69.82	70.10	70.10	76.31	113.25	114.47	69.82	99.87	114.47

**Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD Span = 4.5**

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	3.78	12.78	12.78	16.79	16.79	16.79	16.79	13.72	20.25	20.58	18.29	20.58	20.58
DP-SP145/65/180	4.53	15.25	15.25	23.96	23.96	23.96	23.96	19.59	24.18	29.38	25.15	29.38	29.38
DP-SP145/65/200	5.03	16.87	16.87	28.66	28.66	28.66	28.66	23.43	26.74	35.14	29.68	35.14	35.14
DP-SP175/65/150	4.13	16.73	16.73	19.72	19.72	19.72	19.72	17.16	31.43	25.74	21.26	25.74	25.74
DP-SP175/65/180	4.95	19.98	19.98	28.41	28.41	28.41	28.41	24.72	37.54	37.08	29.09	37.08	37.08
DP-SP175/65/200	5.49	22.12	22.12	34.11	34.11	34.11	34.11	29.68	41.56	44.52	34.24	44.52	44.52
DP-SP205/65/150	4.47	21.21	24.29	23.74	23.62	23.74	23.74	20.66	45.63	30.98	23.62	30.98	30.98
DP-SP205/65/180	5.36	29.03	29.03	34.53	32.14	34.53	34.53	30.05	54.54	45.07	32.14	43.89	45.07
DP-SP205/65/200	5.95	32.14	32.14	41.62	37.73	41.62	41.62	36.22	60.39	54.33	37.73	50.99	54.33
DP-SP235/65/150	4.81	25.58	29.50	26.61	26.61	26.61	26.61	24.18	63.11	36.27	27.97	36.27	36.27
DP-SP235/65/180	5.78	35.28	35.28	39.11	38.08	39.11	39.11	35.53	75.47	53.30	38.08	51.89	53.30
DP-SP235/65/200	6.42	39.08	39.08	47.33	44.73	47.33	47.33	43.00	83.60	64.50	44.73	60.30	64.50
DP-SP265/65/150	5.16	30.24	39.32	30.47	30.47	30.47	30.47	27.69	84.12	41.53	30.56	41.53	41.53
DP-SP265/65/180	6.19	42.61	47.05	45.28	41.47	45.28	45.28	41.14	100.64	61.71	41.47	57.35	61.71
DP-SP265/65/200	6.88	50.75	52.13	55.02	48.63	55.02	55.02	49.99	111.51	74.98	48.63	66.51	74.98
DP-SP300/65/150	5.56	36.02	53.02	31.44	31.44	31.44	31.44	28.57	113.42	42.85	34.15	42.85	42.85
DP-SP300/65/180	6.68	50.78	63.47	45.99	45.99	45.99	45.99	41.78	135.76	62.67	46.24	62.67	62.67
DP-SP300/65/200	7.42	60.49	70.34	55.57	54.17	55.57	55.57	50.49	150.47	75.73	54.17	74.75	75.73
DP-SP325/65/150	5.85	40.37	64.39	35.24	35.24	35.24	35.24	32.02	137.73	48.03	36.02	48.03	48.03
DP-SP325/65/180	7.02	56.93	77.09	51.56	48.65	51.56	51.56	46.85	164.90	70.27	48.65	68.67	70.27
DP-SP325/65/200	7.80	67.83	85.45	62.31	56.93	62.31	62.31	56.61	182.79	84.92	56.93	79.44	84.92

Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD

Span = 5.0

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	3.78	10.35	10.35	15.31	15.31	15.31	15.31	12.51	16.41	18.77	15.46	18.77	18.77
DP-SP145/65/180	4.53	12.35	12.35	21.76	21.41	21.76	21.76	17.79	19.58	26.69	21.41	26.69	26.69
DP-SP145/65/200	5.03	13.67	13.67	25.99	25.35	25.99	25.99	21.25	21.66	31.87	25.35	31.87	31.87
DP-SP175/65/150	4.13	13.55	13.55	18.04	17.88	18.04	18.04	15.70	25.46	23.55	17.88	23.55	23.55
DP-SP175/65/180	4.95	16.19	16.19	25.86	24.65	25.86	25.86	22.50	30.41	33.75	24.65	32.18	33.75
DP-SP175/65/200	5.49	17.91	17.91	30.99	29.11	30.99	30.99	26.96	33.66	40.45	29.11	37.57	40.45
DP-SP205/65/150	4.47	19.08	19.67	21.80	19.76	21.80	21.80	18.97	36.96	28.45	19.76	27.02	28.45
DP-SP205/65/180	5.36	23.51	23.51	31.51	27.08	31.51	31.51	27.42	44.18	41.12	27.08	36.18	41.12
DP-SP205/65/200	5.95	26.04	26.04	37.89	31.91	37.89	37.89	32.97	48.92	49.45	31.91	42.11	49.45
DP-SP235/65/150	4.81	23.03	23.90	24.53	23.42	24.53	24.53	22.29	51.12	33.43	23.42	31.95	33.43
DP-SP235/65/180	5.78	28.58	28.58	35.77	32.12	35.77	35.77	32.50	61.13	48.75	32.12	42.78	48.75
DP-SP235/65/200	6.42	31.66	31.66	43.16	37.86	43.16	43.16	39.22	67.71	58.83	37.86	49.81	58.83
DP-SP265/65/150	5.16	27.22	31.85	28.21	25.50	28.21	28.21	25.63	68.13	38.44	25.50	35.30	38.44
DP-SP265/65/180	6.19	38.11	38.11	41.52	34.87	41.52	41.52	37.72	81.52	56.59	34.87	47.09	56.59
DP-SP265/65/200	6.88	42.22	42.22	50.28	41.03	50.28	50.28	45.69	90.32	68.53	41.03	54.72	68.53
DP-SP300/65/150	5.56	32.42	42.95	28.30	28.30	28.30	28.30	25.71	91.87	38.57	28.43	38.57	38.57
DP-SP300/65/180	6.68	45.70	51.41	41.39	38.80	41.39	41.39	37.60	109.96	56.41	38.80	52.84	56.41
DP-SP300/65/200	7.42	54.44	56.98	49.79	45.63	49.79	49.79	45.24	121.88	67.86	45.63	61.34	67.86
DP-SP325/65/150	5.85	36.34	52.15	31.72	29.91	31.72	31.72	28.82	111.56	43.23	29.91	42.27	43.23
DP-SP325/65/180	7.02	51.24	62.44	45.90	40.72	45.90	45.90	41.70	133.57	62.55	40.72	56.05	62.55
DP-SP325/65/200	7.80	61.05	69.22	54.26	47.83	54.26	54.26	49.30	148.06	73.95	47.83	64.98	73.95

Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD

Span = 5.5

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	3.78	8.55	8.55	14.06	13.36	14.06	14.06	11.50	13.56	17.25	13.36	17.17	17.25
DP-SP145/65/180	4.53	10.21	10.21	19.93	18.62	19.93	19.93	16.18	16.18	24.44	18.62	23.34	24.44
DP-SP145/65/200	5.03	11.30	11.30	23.77	22.10	23.77	23.77	17.90	17.90	29.15	22.10	27.37	29.15
DP-SP175/65/150	4.13	11.20	11.20	16.62	15.38	16.62	16.62	14.46	21.04	21.69	15.38	20.17	21.69
DP-SP175/65/180	4.95	13.38	13.38	23.72	21.34	23.72	23.72	20.64	25.13	30.97	21.34	27.27	30.97
DP-SP175/65/200	5.49	14.81	14.81	28.39	25.28	28.39	28.39	24.70	27.82	37.05	25.28	31.90	37.05
DP-SP205/65/150	4.47	16.26	16.26	20.13	16.91	20.13	20.13	17.52	30.55	26.28	16.91	22.68	26.28
DP-SP205/65/180	5.36	19.43	19.43	28.96	23.34	28.96	28.96	25.20	36.51	37.80	23.34	30.48	37.80
DP-SP205/65/200	5.95	21.52	21.52	34.76	27.59	34.76	34.76	30.25	40.43	45.37	27.59	35.56	45.37
DP-SP235/65/150	4.81	19.75	19.75	22.72	20.06	22.72	22.72	20.65	42.25	30.97	20.06	26.82	30.97
DP-SP235/65/180	5.78	23.62	23.62	32.94	27.71	32.94	32.94	29.93	50.52	44.90	27.71	36.06	44.90
DP-SP235/65/200	6.42	26.16	26.16	39.66	32.76	39.66	39.66	36.04	55.96	54.05	32.76	42.08	54.05
DP-SP265/65/150	5.16	24.74	26.32	26.22	21.78	26.22	26.22	23.82	56.31	35.73	21.78	29.52	35.73
DP-SP265/65/180	6.19	31.49	31.49	38.31	30.00	38.31	38.31	34.81	67.37	52.22	30.00	39.54	52.22
DP-SP265/65/200	6.88	34.90	34.90	46.28	35.41	46.07	46.28	42.05	74.65	63.07	35.41	46.07	63.07
DP-SP300/65/150	5.56	29.47	35.50	25.72	24.24	25.72	25.72	23.37	75.93	35.06	24.24	33.14	35.06
DP-SP300/65/180	6.68	41.55	42.49	36.60	33.33	36.60	36.60	33.26	90.88	49.89	33.33	44.27	49.89
DP-SP300/65/200	7.42	47.09	47.09	43.13	39.32	43.13	43.13	39.18	100.72	58.78	39.32	51.53	58.78
DP-SP325/65/150	5.85	33.03	43.10	28.66	25.45	28.66	28.66	26.04	92.20	39.07	25.45	35.16	39.07
DP-SP325/65/180	7.02	46.58	51.60	39.83	34.90	39.83	39.83	36.19	110.38	54.28	34.90	46.84	54.28
DP-SP325/65/200	7.80	55.50	57.21	46.87	41.13	46.87	46.87	42.58	122.37	63.87	41.13	54.44	63.87

**Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD**

**Span = 6.0**

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	3.78	7.19	7.19	13.00	11.74	13.00	13.00	10.63	11.39	15.95	11.74	14.81	15.95
DP-SP145/65/180	4.53	8.58	8.58	18.38	16.45	18.38	18.38	13.60	13.60	22.54	16.45	20.23	22.54
DP-SP145/65/200	5.03	9.49	9.49	21.91	19.58	21.91	21.91	15.04	15.04	26.86	19.58	23.78	26.86
DP-SP175/65/150	4.13	9.41	9.41	15.40	13.47	15.40	15.40	13.40	17.68	20.10	13.47	17.32	20.10
DP-SP175/65/180	4.95	11.24	11.24	21.91	18.80	21.91	21.91	19.07	21.12	28.60	18.80	23.53	28.60
DP-SP175/65/200	5.49	12.44	12.44	26.19	22.33	26.19	26.19	22.79	23.37	34.18	22.33	27.59	34.18
DP-SP205/65/150	4.47	13.66	13.66	18.70	14.75	18.70	18.70	16.27	25.67	24.40	14.75	19.38	24.40
DP-SP205/65/180	5.36	16.33	16.33	26.79	20.48	26.16	26.79	23.31	30.68	34.96	20.48	26.16	34.96
DP-SP205/65/200	5.95	18.08	18.08	32.10	24.28	30.60	32.10	27.93	33.97	41.90	24.28	30.60	41.90
DP-SP235/65/150	4.81	16.60	16.60	21.15	17.51	21.15	21.15	19.22	35.50	28.83	17.51	22.92	28.83
DP-SP235/65/180	5.78	19.85	19.85	30.52	24.34	30.52	30.52	27.73	42.45	41.59	24.34	30.97	41.59
DP-SP235/65/200	6.42	21.98	21.98	36.68	28.85	36.23	36.68	33.32	47.02	49.99	28.85	36.23	49.94
DP-SP265/65/150	5.16	22.12	22.12	24.47	18.96	24.47	24.47	22.23	47.32	33.34	18.96	25.15	33.34
DP-SP265/65/180	6.19	26.46	26.46	35.55	26.28	33.86	35.55	32.30	56.61	48.45	26.28	33.86	47.77
DP-SP265/65/200	6.88	29.32	29.32	42.85	31.12	39.55	42.85	38.93	62.72	58.40	31.12	39.55	55.36
DP-SP300/65/150	5.56	27.01	29.83	23.17	21.08	23.17	23.17	21.05	63.80	31.57	21.08	28.17	31.57
DP-SP300/65/180	6.68	35.70	35.70	31.97	29.17	31.97	31.97	29.05	76.36	43.58	29.17	37.84	43.58
DP-SP300/65/200	7.42	39.57	39.57	37.51	34.51	37.51	37.51	34.08	84.64	51.12	34.51	44.16	51.12
DP-SP325/65/150	5.85	30.28	36.22	25.22	22.08	25.22	25.22	22.91	77.47	34.37	22.08	29.82	34.37
DP-SP325/65/180	7.02	42.70	43.36	34.70	30.49	34.70	34.70	31.53	92.75	47.29	30.49	39.93	47.29
DP-SP325/65/200	7.80	48.07	48.07	40.64	36.04	40.64	40.64	36.92	102.82	55.39	36.04	46.54	55.39

**Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD**

**Span = 6.5**

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	3.78	6.12	6.12	12.09	10.47	12.09	12.09	9.71	9.71	14.83	10.47	12.97	14.83
DP-SP145/65/180	4.53	7.31	7.31	17.06	14.74	17.06	17.06	11.59	11.59	20.92	14.74	17.79	20.92
DP-SP145/65/200	5.03	8.09	8.09	20.31	17.58	20.31	20.31	12.82	12.82	24.90	17.58	20.97	24.90
DP-SP175/65/150	4.13	8.02	8.02	14.34	11.97	14.34	14.34	12.48	15.06	18.72	11.97	15.10	18.72
DP-SP175/65/180	4.95	9.58	9.58	20.35	16.80	20.35	20.35	17.71	17.99	26.57	16.80	20.61	26.57
DP-SP175/65/200	5.49	10.60	10.60	24.30	19.99	24.24	24.30	19.92	19.92	31.72	19.99	24.24	31.72
DP-SP205/65/150	4.47	11.64	11.64	17.45	13.06	16.82	17.45	15.18	21.87	22.77	13.06	16.82	22.77
DP-SP205/65/180	5.36	13.91	13.91	24.91	18.24	22.82	24.91	21.68	26.14	32.52	18.24	22.82	31.37
DP-SP205/65/200	5.95	15.41	15.41	29.82	21.67	26.76	29.82	25.95	28.95	38.92	21.67	26.76	36.43
DP-SP235/65/150	4.81	14.14	14.14	19.78	15.52	19.78	19.78	17.97	30.25	26.95	15.52	19.91	26.95
DP-SP235/65/180	5.78	16.91	16.91	28.42	21.69	27.03	28.42	25.82	36.17	38.73	21.69	27.03	37.09
DP-SP235/65/200	6.42	18.73	18.73	34.11	25.77	31.71	34.11	30.99	40.07	46.48	25.77	31.71	43.08
DP-SP265/65/150	5.16	18.85	18.85	22.92	16.77	21.78	22.92	20.83	40.32	31.24	16.77	21.78	30.86
DP-SP265/65/180	6.19	22.55	22.55	33.15	23.38	29.47	33.15	30.12	48.23	45.18	23.38	29.47	41.06
DP-SP265/65/200	6.88	24.98	24.98	39.89	27.75	34.52	39.89	36.24	53.44	54.36	27.75	34.52	47.60
DP-SP300/65/150	5.56	24.94	25.41	20.50	18.62	20.50	20.50	18.62	54.36	27.93	18.62	24.35	27.93
DP-SP300/65/180	6.68	30.42	30.42	28.03	25.92	28.03	28.03	25.47	65.07	38.20	25.92	32.89	38.20
DP-SP300/65/200	7.42	33.71	33.71	32.75	30.74	32.75	32.75	29.75	72.12	44.63	30.74	38.48	44.63
DP-SP325/65/150	5.85	27.95	30.86	22.26	19.47	22.26	22.26	20.22	66.01	30.33	19.47	25.72	30.33
DP-SP325/65/180	7.02	36.95	36.95	30.33	27.05	30.33	30.33	27.56	79.03	41.34	27.05	34.63	41.34
DP-SP325/65/200	7.80	40.96	40.96	35.38	32.05	35.38	35.38	32.15	87.61	48.22	32.05	40.48	48.22

Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD

Span = 7.0

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	3.78	5.28	5.28	11.30	9.44	11.30	11.30	8.37	8.37	13.85	9.44	11.50	13.85
DP-SP145/65/180	4.53	6.30	6.30	15.91	13.35	15.85	15.91	9.99	9.99	19.51	13.35	15.85	19.51
DP-SP145/65/200	5.03	6.97	6.97	18.93	15.95	18.73	18.93	11.05	11.05	23.21	15.95	18.73	23.21
DP-SP175/65/150	4.13	6.91	6.91	13.42	10.77	13.34	13.42	11.68	12.99	17.52	10.77	13.34	17.52
DP-SP175/65/180	4.95	8.26	8.26	19.00	15.18	18.30	19.00	15.52	15.52	24.80	15.18	18.30	24.24
DP-SP175/65/200	5.49	9.14	9.14	22.67	18.10	21.57	22.67	17.17	17.17	29.59	18.10	21.57	28.26
DP-SP205/65/150	4.47	10.04	10.04	16.35	11.71	14.80	16.35	14.23	18.86	21.34	11.71	14.80	20.47
DP-SP205/65/180	5.36	12.00	12.00	23.28	16.43	20.18	23.28	20.26	22.54	30.39	16.43	20.18	27.36
DP-SP205/65/200	5.95	13.28	13.28	27.84	19.57	23.72	27.84	24.22	24.96	36.34	19.57	23.72	31.81
DP-SP235/65/150	4.81	12.19	12.19	18.56	13.93	17.52	18.56	16.87	26.08	25.30	13.93	17.52	24.20
DP-SP235/65/180	5.78	14.58	14.58	26.59	19.56	23.92	26.59	24.16	31.19	36.24	19.56	23.92	32.35
DP-SP235/65/200	6.42	16.15	16.15	31.87	23.29	28.13	31.87	28.95	34.55	43.43	23.29	28.13	37.61
DP-SP265/65/150	5.16	16.25	16.25	21.55	15.02	19.12	21.55	19.58	34.76	29.37	15.02	19.12	26.82
DP-SP265/65/180	6.19	19.44	19.44	31.05	21.05	26.02	31.05	28.21	41.59	42.32	21.05	26.02	35.70
DP-SP265/65/200	6.88	21.54	21.54	37.30	25.03	30.55	37.30	33.89	46.08	50.84	25.03	30.55	41.43
DP-SP300/65/150	5.56	21.91	21.91	18.19	16.66	18.19	18.19	16.52	46.87	24.79	16.66	21.35	24.79
DP-SP300/65/180	6.68	26.23	26.23	24.66	23.31	24.66	24.66	22.41	56.10	33.61	23.31	28.99	33.61
DP-SP300/65/200	7.42	29.07	29.07	28.72	27.71	28.72	28.72	26.09	62.18	39.14	27.71	34.01	39.14
DP-SP325/65/150	5.85	25.95	26.61	19.70	17.40	19.70	19.70	17.90	56.92	26.85	17.40	22.50	26.85
DP-SP325/65/180	7.02	31.86	31.86	26.62	24.29	26.62	26.62	24.19	68.15	36.28	24.29	30.47	36.28
DP-SP325/65/200	7.80	35.32	35.32	30.94	28.85	30.94	30.94	28.11	75.54	42.17	28.85	35.71	42.17

Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD

Span = 7.5

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	3.78	4.60	4.60	10.60	8.60	10.31	10.60	7.29	7.29	13.00	8.60	10.31	13.00
DP-SP145/65/180	4.53	5.49	5.49	14.90	12.20	14.28	14.90	8.70	8.70	18.28	12.20	14.28	18.27
DP-SP145/65/200	5.03	6.07	6.07	17.72	14.60	16.90	17.72	9.63	9.63	21.73	14.60	16.90	21.38
DP-SP175/65/150	4.13	6.02	6.02	12.61	9.79	11.92	12.61	10.97	11.31	16.46	9.79	11.92	15.93
DP-SP175/65/180	4.95	7.19	7.19	17.82	13.85	16.43	17.82	13.52	13.52	23.26	13.85	16.43	21.46
DP-SP175/65/200	5.49	7.96	7.96	21.24	16.54	19.41	21.24	14.96	14.96	27.72	16.54	19.41	25.04
DP-SP205/65/150	4.47	8.74	8.74	15.38	10.61	13.17	15.38	13.38	16.43	20.07	10.61	13.17	18.02
DP-SP205/65/180	5.36	10.45	10.45	21.85	14.96	18.05	21.85	19.02	19.63	28.52	14.96	18.05	24.12
DP-SP205/65/200	5.95	11.57	11.57	26.10	17.84	21.27	26.10	21.74	21.74	34.07	17.84	21.27	28.08
DP-SP235/65/150	4.81	10.62	10.62	17.49	12.63	15.61	17.49	15.89	22.72	23.83	12.63	15.61	21.30
DP-SP235/65/180	5.78	12.70	12.70	24.98	17.81	21.42	24.98	22.69	27.17	34.04	17.81	21.42	28.52
DP-SP235/65/200	6.42	14.07	14.07	29.90	21.24	25.24	29.90	27.17	30.10	40.75	21.24	25.24	33.21
DP-SP265/65/150	5.16	14.16	14.16	20.33	13.60	17.00	20.33	18.47	30.28	27.71	13.60	17.00	23.54
DP-SP265/65/180	6.19	16.94	16.94	29.20	19.14	23.24	29.20	26.53	36.23	39.79	19.14	23.24	31.39
DP-SP265/65/200	6.88	18.77	18.77	35.03	22.80	27.36	35.03	31.83	40.14	47.74	22.80	27.36	36.48
DP-SP300/65/150	5.56	19.09	19.09	16.18	15.07	16.18	16.18	14.70	40.83	22.06	15.07	18.95	22.06
DP-SP300/65/180	6.68	22.85	22.85	21.79	21.18	21.79	21.79	19.80	48.87	29.70	21.18	25.87	29.70
DP-SP300/65/200	7.42	25.32	25.32	25.31	25.23	25.31	25.31	22.99	54.17	34.49	25.23	30.42	34.49
DP-SP325/65/150	5.85	23.18	23.18	17.49	15.72	17.49	17.49	15.89	49.58	23.83	15.72	19.94	23.83
DP-SP325/65/180	7.02	27.75	27.75	23.46	22.05	23.46	23.46	21.31	59.36	31.97	22.05	27.15	31.97
DP-SP325/65/200	7.80	30.76	30.76	27.20	26.24	27.20	27.20	24.71	65.81	37.07	26.24	31.89	37.07

**Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD**

**Span = 8.0**

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	3.78	4.04	4.04	9.98	7.89	9.33	9.98	6.41	6.41	12.24	7.89	9.33	12.06
DP-SP145/65/180	4.53	4.83	4.83	14.02	11.24	12.98	14.02	7.65	7.65	17.19	11.24	12.98	16.38
DP-SP145/65/200	5.03	5.34	5.34	16.66	13.46	15.39	16.66	8.46	8.46	20.43	13.46	15.39	19.20
DP-SP175/65/150	4.13	5.29	5.29	11.89	8.97	10.76	11.89	9.94	9.94	15.51	8.97	10.76	14.20
DP-SP175/65/180	4.95	6.32	6.32	16.77	12.73	14.90	16.77	11.88	11.88	21.89	12.73	14.90	19.17
DP-SP175/65/200	5.49	7.00	7.00	19.98	15.23	17.63	19.98	13.15	13.15	26.08	15.23	17.63	22.41
DP-SP205/65/150	4.47	7.68	7.68	14.52	9.70	11.85	14.52	12.63	14.44	18.95	9.70	11.85	16.00
DP-SP205/65/180	5.36	9.18	9.18	20.58	13.73	16.31	20.58	17.26	17.26	26.87	13.73	16.31	21.47
DP-SP205/65/200	5.95	10.17	10.17	24.57	16.40	19.26	24.57	19.11	19.11	32.07	16.40	19.26	25.03
DP-SP235/65/150	4.81	9.33	9.33	16.52	11.56	14.05	16.52	15.01	19.97	22.52	11.56	14.05	18.91
DP-SP235/65/180	5.78	11.16	11.16	23.55	16.35	19.36	23.55	21.39	23.88	32.09	16.35	19.36	25.39
DP-SP235/65/200	6.42	12.37	12.37	28.16	19.54	22.87	28.16	25.59	26.45	38.38	19.54	22.87	29.61
DP-SP265/65/150	5.16	12.44	12.44	19.23	12.43	15.27	19.23	17.48	26.61	26.21	12.43	15.27	20.85
DP-SP265/65/180	6.19	14.89	14.89	27.55	17.55	20.98	27.55	25.03	31.84	37.54	17.55	20.98	27.88
DP-SP265/65/200	6.88	16.49	16.49	33.02	20.95	24.74	32.45	30.00	35.28	45.00	20.95	24.74	32.45
DP-SP300/65/150	5.56	16.78	16.78	14.45	13.76	14.45	14.45	13.13	35.89	19.69	13.76	17.00	19.69
DP-SP300/65/180	6.68	20.08	20.08	19.34	19.34	19.34	19.34	17.57	42.95	26.36	19.41	23.32	26.36
DP-SP300/65/200	7.42	22.26	22.26	22.42	22.42	22.42	22.42	20.37	47.61	30.55	23.16	27.49	30.55
DP-SP325/65/150	5.85	20.37	20.37	15.57	14.33	15.57	15.57	14.15	43.58	21.23	14.33	17.86	21.23
DP-SP325/65/180	7.02	24.39	24.39	20.77	20.19	20.77	20.77	18.87	52.17	28.31	20.19	24.44	28.31
DP-SP325/65/200	7.80	27.04	27.04	24.04	24.04	24.04	24.04	21.84	57.84	32.76	24.06	28.77	32.76

**Prosigma + Single Span Heavey End Bay Rails Load Tables Minimum S450GD**

**Span = 8.5**

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	3.78	3.58	3.58	9.43	7.30	8.52	9.43	5.68	5.68	11.57	7.30	8.52	10.88
DP-SP145/65/180	4.53	4.27	4.27	13.23	10.42	11.89	13.23	6.78	6.78	16.23	10.42	11.89	14.81
DP-SP145/65/200	5.03	4.73	4.73	15.72	12.50	14.13	15.72	7.50	7.50	19.28	12.50	14.13	17.38
DP-SP175/65/150	4.13	4.69	4.69	11.24	8.28	9.79	11.24	8.81	8.81	14.67	8.28	9.79	12.76
DP-SP175/65/180	4.95	5.60	5.60	15.84	11.79	13.61	15.84	10.52	10.52	20.68	11.79	13.61	17.27
DP-SP175/65/200	5.49	6.20	6.20	18.86	14.12	16.14	18.86	11.65	11.65	24.62	14.12	16.14	20.23
DP-SP205/65/150	4.47	6.81	6.81	13.74	8.94	10.75	13.74	11.96	12.79	17.94	8.94	10.75	14.32
DP-SP205/65/180	5.36	8.14	8.14	19.46	12.68	14.87	19.27	15.29	15.29	25.39	12.68	14.87	19.27
DP-SP205/65/200	5.95	9.01	9.01	23.21	15.17	17.59	22.51	16.93	16.93	30.29	15.17	17.59	22.51
DP-SP235/65/150	4.81	8.27	8.27	15.66	10.65	12.76	15.66	14.23	17.69	21.34	10.65	12.76	16.94
DP-SP235/65/180	5.78	9.89	9.89	22.27	15.12	17.66	22.27	20.23	21.15	30.35	15.12	17.66	22.81
DP-SP235/65/200	6.42	10.95	10.95	26.62	18.09	20.90	26.62	23.43	23.43	36.27	18.09	20.90	26.64
DP-SP265/65/150	5.16	11.02	11.02	18.25	11.44	13.84	18.25	16.58	23.58	24.87	11.44	13.84	18.62
DP-SP265/65/180	6.19	13.19	13.19	26.07	16.21	19.10	24.98	23.69	28.21	35.53	16.21	19.10	24.98
DP-SP265/65/200	6.88	14.61	14.61	31.22	19.37	22.57	29.13	28.37	31.25	42.55	19.37	22.57	29.13
DP-SP300/65/150	5.56	14.86	14.86	12.94	12.66	12.94	12.94	11.76	31.79	17.64	12.66	15.40	17.64
DP-SP300/65/180	6.68	17.79	17.79	17.25	17.25	17.25	17.25	15.67	38.05	23.51	17.92	21.22	23.51
DP-SP300/65/200	7.42	19.72	19.72	19.98	19.98	19.98	19.98	18.15	42.17	27.22	21.41	25.05	27.22
DP-SP325/65/150	5.85	18.05	18.05	13.92	13.17	13.92	13.92	12.65	38.60	18.97	13.17	16.15	18.97
DP-SP325/65/180	7.02	21.61	21.61	18.49	18.49	18.49	18.49	16.80	46.22	25.20	18.62	22.20	25.20
DP-SP325/65/200	7.80	23.95	23.95	21.38	21.38	21.38	21.38	19.42	51.23	29.13	22.23	26.19	29.13

Prosigma + Single Span Heavy End Bay Rails Load Tables Minimum S450GD

Span = 9.0

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	3.78	3.19	3.19	8.94	6.79	7.83	8.94	5.06	5.06	10.96	6.79	7.83	9.87
DP-SP145/65/180	4.53	3.81	3.81	12.53	9.71	10.97	12.53	6.04	6.04	15.36	9.71	10.97	13.48
DP-SP145/65/200	5.03	4.22	4.22	14.88	11.66	13.05	14.88	6.69	6.69	18.24	11.66	13.05	15.85
DP-SP175/65/150	4.13	4.18	4.18	10.66	7.69	8.98	10.66	7.86	7.86	13.92	7.69	8.98	11.55
DP-SP175/65/180	4.95	5.00	5.00	15.01	10.98	12.53	15.01	9.39	9.39	19.59	10.98	12.53	15.68
DP-SP175/65/200	5.49	5.53	5.53	17.86	13.16	14.89	17.86	10.39	10.39	23.31	13.16	14.89	18.39
DP-SP205/65/150	4.47	6.07	6.07	13.05	8.29	9.83	12.92	11.35	11.41	17.03	8.29	9.83	12.92
DP-SP205/65/180	5.36	7.26	7.26	18.44	11.79	13.65	17.44	13.64	13.64	24.07	11.79	13.65	17.44
DP-SP205/65/200	5.95	8.04	8.04	21.99	14.12	16.18	20.40	15.10	15.10	28.70	14.12	16.18	20.40
DP-SP235/65/150	4.81	7.38	7.38	14.88	9.88	11.67	14.88	13.52	15.78	20.28	9.88	11.67	15.28
DP-SP235/65/180	5.78	8.82	8.82	21.12	14.07	16.23	20.65	18.87	18.87	28.79	14.07	16.23	20.65
DP-SP235/65/200	6.42	9.77	9.77	25.23	16.84	19.23	24.16	20.90	20.90	34.38	16.84	19.23	24.16
DP-SP265/65/150	5.16	9.83	9.83	17.36	10.60	12.64	16.77	15.77	21.03	23.65	10.60	12.64	16.77
DP-SP265/65/180	6.19	11.76	11.76	24.75	15.07	17.52	22.57	22.48	25.16	33.73	15.07	17.52	22.57
DP-SP265/65/200	6.88	13.03	13.03	29.61	18.03	20.75	26.37	26.90	27.88	40.35	18.03	20.75	26.37
DP-SP300/65/150	5.56	13.26	13.26	11.64	11.64	11.64	11.64	10.57	28.36	15.86	11.72	14.05	15.86
DP-SP300/65/180	6.68	15.87	15.87	15.47	15.47	15.47	15.47	14.05	33.94	21.08	16.65	19.45	21.08
DP-SP300/65/200	7.42	17.59	17.59	17.90	17.90	17.90	17.90	16.26	37.62	24.40	19.91	23.01	24.40
DP-SP325/65/150	5.85	16.10	16.10	12.49	12.19	12.49	12.49	11.35	34.43	17.02	12.19	14.72	17.02
DP-SP325/65/180	7.02	19.27	19.27	16.54	16.54	16.54	16.54	15.03	41.22	22.55	17.28	20.33	22.55
DP-SP325/65/200	7.80	21.36	21.36	19.12	19.12	19.12	19.12	17.37	45.70	26.06	20.66	24.03	26.06