

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

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads									Deflection Span /150	Ultimate U.D.L. in kN/Span			
			Allowable loading in kN/m ²										Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres											0	1	2
1200	1400	1600	1800	2000	2200	2400	2600	2800	0	1	2					
HX460LAD - Single Span Rails - Span = 3m																
DP-SP145/65/150	3.71	15.73	4.37	3.75	3.28	2.91	2.62	2.38	2.19	2.02	1.87	25.69	23.60	17.81	23.60	23.60
DP-SP145/65/180	4.44	22.81	6.34	5.43	4.75	4.22	3.80	3.46	3.17	2.92	2.72	30.48	34.22	24.09	34.22	34.22
DP-SP145/65/200	4.91	27.40	7.61	6.52	5.71	5.07	4.57	4.15	3.81	3.51	3.26	33.59	41.11	28.16	41.11	41.11
DP-SP175/65/150	4.06	20.27	5.63	4.83	4.22	3.75	3.38	3.07	2.81	2.60	2.41	34.28	30.40	20.97	30.40	30.40
DP-SP175/65/180	4.85	29.42	8.17	7.00	6.13	5.45	4.90	4.46	4.09	3.77	3.50	40.72	44.12	28.21	43.54	44.12
DP-SP175/65/200	5.37	35.36	9.82	8.42	7.37	6.55	5.89	5.36	4.91	4.53	4.21	44.91	53.04	32.90	50.89	53.04
DP-SP205/65/150	4.4	25.15	6.99	5.99	5.24	4.66	4.19	3.81	3.49	3.22	2.99	49.84	37.73	23.62	37.08	37.73
DP-SP205/65/180	5.26	36.54	10.15	8.70	7.61	6.77	6.09	5.54	5.08	4.68	4.35	59.26	54.81	31.60	50.57	54.81
DP-SP205/65/200	5.83	43.96	12.21	10.47	9.16	8.14	7.33	6.66	6.11	5.64	5.23	65.39	65.94	36.76	58.98	65.94
DP-SP235/65/150	4.75	30.38	8.44	7.23	6.33	5.63	5.06	4.60	4.22	3.89	3.62	62.03	45.57	27.95	44.21	45.57
DP-SP235/65/180	5.68	44.17	12.27	10.52	9.20	8.18	7.36	6.69	6.14	5.66	5.26	73.80	66.26	37.42	60.17	66.26
DP-SP235/65/200	6.29	53.16	14.77	12.66	11.08	9.85	8.86	8.06	7.38	6.82	6.33	81.48	79.75	43.54	70.13	79.75
DP-SP265/65/150	5.09	35.95	9.99	8.56	7.49	6.66	5.99	5.45	4.99	4.61	4.28	82.76	53.92	30.81	50.00	53.92
DP-SP265/65/180	6.09	52.30	14.53	12.45	10.90	9.69	8.72	7.92	7.26	6.71	6.23	98.54	78.45	41.09	67.76	78.45
DP-SP265/65/200	6.75	62.98	17.49	14.99	13.12	11.66	10.50	9.54	8.75	8.07	7.50	108.83	94.46	47.73	78.82	94.46
DP-SP300/65/150	5.49	42.86	11.91	10.21	8.93	7.94	7.14	6.49	5.95	5.50	5.10	111.71	64.29	34.61	57.37	64.29
DP-SP300/65/180	6.58	62.41	17.33	14.86	13.00	11.56	10.40	9.46	8.67	8.00	7.43	133.10	93.61	46.06	77.43	93.61
DP-SP300/65/200	7.29	75.17	20.88	17.90	15.66	13.92	12.53	11.39	10.44	9.64	8.95	147.07	112.76	53.46	89.91	112.76
DP-SP325/65/150	5.78	48.08	13.35	11.45	10.02	8.90	8.01	7.28	6.68	6.16	5.72	135.75	72.12	36.75	62.15	72.12
DP-SP325/65/180	6.92	70.03	19.45	16.67	14.59	12.97	11.67	10.61	9.73	8.98	8.34	161.81	105.04	48.77	83.58	105.04
DP-SP325/65/200	7.68	84.38	23.44	20.09	17.58	15.63	14.06	12.78	11.72	10.82	10.05	178.84	126.57	56.54	96.90	125.79
HX460LAD - Single Span Rails - Span = 3.5m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/150	3.71	13.49	3.21	2.75	2.41	2.14	1.93	1.75	1.61	1.48	1.38	18.87	20.23	13.73	20.23	20.23
DP-SP145/65/180	4.44	19.55	4.66	3.99	3.49	3.10	2.79	2.54	2.33	2.15	2.00	22.40	29.33	18.72	28.05	29.33
DP-SP145/65/200	4.91	23.49	5.59	4.79	4.19	3.73	3.36	3.05	2.80	2.58	2.40	24.68	35.23	21.97	32.70	35.23
DP-SP175/65/150	4.06	17.37	4.14	3.54	3.10	2.76	2.48	2.26	2.07	1.91	1.77	25.19	26.06	16.03	24.91	26.06
DP-SP175/65/180	4.85	25.21	6.00	5.15	4.50	4.00	3.60	3.27	3.00	2.77	2.57	29.92	37.82	21.75	33.67	37.82
DP-SP175/65/200	5.37	30.31	7.22	6.19	5.41	4.81	4.33	3.94	3.61	3.33	3.09	32.99	45.47	25.47	39.18	45.47
DP-SP205/65/150	4.4	21.56	5.13	4.40	3.85	3.42	3.08	2.80	2.57	2.37	2.20	36.62	32.34	17.90	28.82	32.34
DP-SP205/65/180	5.26	31.32	7.46	6.39	5.59	4.97	4.47	4.07	3.73	3.44	3.20	43.54	46.98	24.14	38.75	46.98
DP-SP205/65/200	5.83	37.68	8.97	7.69	6.73	5.98	5.38	4.89	4.49	4.14	3.84	48.04	56.52	28.21	44.97	56.52
DP-SP235/65/150	4.75	26.04	6.20	5.31	4.65	4.13	3.72	3.38	3.10	2.86	2.66	45.57	39.06	21.20	34.24	39.06
DP-SP235/65/180	5.68	37.86	9.02	7.73	6.76	6.01	5.41	4.92	4.51	4.16	3.86	54.22	56.80	28.62	45.96	56.80
DP-SP235/65/200	6.29	45.57	10.85	9.30	8.14	7.23	6.51	5.92	5.42	5.01	4.65	59.86	68.35	33.45	53.31	68.35
DP-SP265/65/150	5.09	30.81	7.34	6.29	5.50	4.89	4.40	4.00	3.67	3.39	3.14	60.80	46.22	23.23	38.45	46.22
DP-SP265/65/180	6.09	44.83	10.67	9.15	8.01	7.12	6.40	5.82	5.34	4.93	4.57	72.40	67.25	31.26	51.38	67.25
DP-SP265/65/200	6.75	53.98	12.85	11.02	9.64	8.57	7.71	7.01	6.43	5.93	5.51	79.96	80.97	36.49	59.49	79.52
DP-SP300/65/150	5.49	36.74	8.75	7.50	6.56	5.83	5.25	4.77	4.37	4.04	3.75	82.07	55.11	26.00	43.83	55.11
DP-SP300/65/180	6.58	53.49	12.74	10.92	9.55	8.49	7.64	6.95	6.37	5.88	5.46	97.79	80.24	34.93	58.34	78.02
DP-SP300/65/200	7.29	64.43	15.34	13.15	11.51	10.23	9.20	8.37	7.67	7.08	6.57	108.05	96.65	40.74	67.44	91.69
DP-SP325/65/150	5.78	41.21	9.81	8.41	7.36	6.54	5.89	5.35	4.91	4.53	4.21	99.73	61.81	27.49	47.21	61.38
DP-SP325/65/180	6.92	60.02	14.29	12.25	10.72	9.53	8.57	7.80	7.15	6.60	6.12	118.88	90.04	36.83	62.62	84.95
DP-SP325/65/200	7.68	72.33	17.22	14.76	12.92	11.48	10.33	9.39	8.61	7.95	7.38	131.39	108.49	42.91	72.28	99.71
HX460LAD - Single Span Rails - Span = 4m																
Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/150	3.71	11.80	2.46	2.11	1.84	1.64	1.48	1.34	1.23	1.13	1.05	14.45	17.70	11.06	16.58	17.70
DP-SP145/65/180	4.44	17.11	3.56	3.06	2.67	2.38	2.14	1.94	1.78	1.65	1.53	17.15	25.67	15.20	22.37	25.67
DP-SP145/65/200	4.91	18.89	3.94	3.37	2.95	2.62	2.36	2.15	1.97	1.82	1.69	18.89	30.83	17.91	26.04	30.83
DP-SP175/65/150	4.06	15.20	3.17	2.71	2.37	2.11	1.90	1.73	1.58	1.46	1.36	19.28	22.80	12.82	19.85	22.80
DP-SP175/65/180	4.85	22.06	4.60	3.94	3.45	3.06	2.76	2.51	2.30	2.12	1.97	22.91	33.09	17.55	26.65	33.09
DP-SP175/65/200	5.37	25.26	5.26	4.51	3.95	3.51	3.16	2.87	2.63	2.43	2.26	25.26	39.78	20.64	30.95	39.78
DP-SP205/65/150	4.4	18.86	3.93	3.37	2.95	2.62	2.36	2.14	1.96	1.81	1.68	28.04	28.30	14.21	22.79	28.30
DP-SP205/65/180	5.26	27.41	5.71	4.89	4.28	3.81	3.43	3.11	2.85	2.64	2.45	33.33	41.11	19.34	30.40	40.71

ProSigma+ HX460LAD (Galv.) - Single Span Rails - 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										Deflection Span /150	Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres												Number of anti sag rods		
			1200	1400	1600	1800	2000	2200	2400	2600	2800	0			1	2	
DP-SP205/65/200	5.83	32.97	6.87	5.89	5.15	4.58	4.12	3.75	3.43	3.17	2.94	36.78	49.45	22.70	35.22	47.73	
DP-SP235/65/150	4.75	22.79	4.75	4.07	3.56	3.16	2.85	2.59	2.37	2.19	2.03	34.89	34.18	16.85	27.00	34.18	
DP-SP235/65/180	5.68	33.13	6.90	5.92	5.18	4.60	4.14	3.76	3.45	3.19	2.96	41.51	49.70	22.96	36.00	48.59	
DP-SP235/65/200	6.29	39.87	8.31	7.12	6.23	5.54	4.98	4.53	4.15	3.83	3.56	45.83	59.81	26.95	41.70	56.92	
DP-SP265/65/150	5.09	26.96	5.62	4.81	4.21	3.74	3.37	3.06	2.81	2.59	2.41	46.55	40.44	18.38	30.14	40.07	
DP-SP265/65/180	6.09	39.23	8.17	7.00	6.13	5.45	4.90	4.46	4.09	3.77	3.50	55.43	58.84	24.97	40.01	55.01	
DP-SP265/65/200	6.75	47.23	9.84	8.43	7.38	6.56	5.90	5.37	4.92	4.54	4.22	61.22	70.85	29.28	46.26	64.33	
DP-SP300/65/150	5.49	32.15	6.70	5.74	5.02	4.46	4.02	3.65	3.35	3.09	2.87	62.84	48.22	20.52	34.17	46.20	
DP-SP300/65/180	6.58	46.80	9.75	8.36	7.31	6.50	5.85	5.32	4.88	4.50	4.18	74.87	70.21	27.84	45.21	63.18	
DP-SP300/65/200	7.29	56.38	11.75	10.07	8.81	7.83	7.05	6.41	5.87	5.42	5.03	82.73	84.57	32.61	52.20	73.76	
DP-SP325/65/150	5.78	36.06	7.51	6.44	5.63	5.01	4.51	4.10	3.76	3.47	3.22	76.36	54.09	21.62	36.63	50.24	
DP-SP325/65/180	6.92	52.52	10.94	9.38	8.21	7.29	6.57	5.97	5.47	5.05	4.69	91.02	78.78	29.25	48.30	68.49	
DP-SP325/65/200	7.68	63.28	13.18	11.30	9.89	8.79	7.91	7.19	6.59	6.09	5.65	100.60	94.93	34.24	55.70	79.83	

HX460LAD - Single Span Rails - Span = 4.5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/150	3.71	10.49	1.94	1.67	1.46	1.30	1.17	1.06	0.97	0.90	0.83	11.42	15.73	9.21	13.56	15.73
DP-SP145/65/180	4.44	13.55	2.51	2.15	1.88	1.67	1.51	1.37	1.25	1.16	1.08	13.55	22.81	12.75	18.26	22.81
DP-SP145/65/200	4.91	14.93	2.76	2.37	2.07	1.84	1.66	1.51	1.38	1.28	1.18	14.93	27.40	15.08	21.27	27.40
DP-SP175/65/150	4.06	13.51	2.50	2.14	1.88	1.67	1.50	1.36	1.25	1.15	1.07	15.24	20.27	10.62	16.12	20.27
DP-SP175/65/180	4.85	18.10	3.35	2.87	2.51	2.23	2.01	1.83	1.68	1.55	1.44	18.10	29.42	14.66	21.60	29.02
DP-SP175/65/200	5.37	19.96	3.70	3.17	2.77	2.46	2.22	2.02	1.85	1.71	1.58	19.96	35.36	17.30	25.10	33.92
DP-SP205/65/150	4.4	16.77	3.11	2.66	2.33	2.07	1.86	1.69	1.55	1.43	1.33	22.15	25.15	11.70	18.37	24.72
DP-SP205/65/180	5.26	24.36	4.51	3.87	3.38	3.01	2.71	2.46	2.26	2.08	1.93	26.34	36.54	16.06	24.47	33.71
DP-SP205/65/200	5.83	29.06	5.38	4.61	4.04	3.59	3.23	2.94	2.69	2.48	2.31	29.06	43.96	18.92	28.36	39.32
DP-SP235/65/150	4.75	20.25	3.75	3.21	2.81	2.50	2.25	2.05	1.88	1.73	1.61	27.57	30.38	13.89	21.74	29.48
DP-SP235/65/180	5.68	29.45	5.45	4.67	4.09	3.64	3.27	2.97	2.73	2.52	2.34	32.80	44.17	19.09	28.95	40.12
DP-SP235/65/200	6.29	35.44	6.56	5.63	4.92	4.38	3.94	3.58	3.28	3.03	2.81	36.21	53.16	22.49	33.56	46.75
DP-SP265/65/150	5.09	23.96	4.44	3.80	3.33	2.96	2.66	2.42	2.22	2.05	1.90	36.78	35.95	15.10	24.14	33.34
DP-SP265/65/180	6.09	34.87	6.46	5.53	4.84	4.30	3.87	3.52	3.23	2.98	2.77	43.80	52.30	20.69	32.02	45.18
DP-SP265/65/200	6.75	41.98	7.77	6.66	5.83	5.18	4.66	4.24	3.89	3.59	3.33	48.37	62.98	24.35	37.05	52.55
DP-SP300/65/150	5.49	28.57	5.29	4.54	3.97	3.53	3.17	2.89	2.65	2.44	2.27	49.65	42.86	16.82	27.26	38.25
DP-SP300/65/180	6.58	41.60	7.70	6.60	5.78	5.14	4.62	4.20	3.85	3.56	3.30	59.16	62.41	23.02	36.05	51.62
DP-SP300/65/200	7.29	50.12	9.28	7.95	6.96	6.19	5.57	5.06	4.64	4.28	3.98	65.36	75.17	27.07	41.67	59.94
DP-SP325/65/150	5.78	32.05	5.94	5.09	4.45	3.96	3.56	3.24	2.97	2.74	2.54	60.33	48.08	17.67	29.11	41.43
DP-SP325/65/180	6.92	46.69	8.65	7.41	6.48	5.76	5.19	4.72	4.32	3.99	3.71	71.91	70.03	24.13	38.38	55.72
DP-SP325/65/200	7.68	56.25	10.42	8.93	7.81	6.94	6.25	5.68	5.21	4.81	4.46	79.48	84.38	28.35	44.31	64.60

HX460LAD - Single Span Rails - Span = 5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/150	3.71	9.25	1.54	1.32	1.16	1.03	0.92	0.84	0.77	0.71		9.25	14.16	7.87	11.30	14.16
DP-SP145/65/180	4.44	10.97	1.83	1.57	1.37	1.22	1.10	1.00	0.91	0.84	0.78	10.97	20.53	10.98	15.24	20.26
DP-SP145/65/200	4.91	12.09	2.02	1.73	1.51	1.34	1.21	1.10	1.01	0.93	0.86	12.09	24.66	13.02	17.78	23.65
DP-SP175/65/150	4.06	12.16	2.03	1.74	1.52	1.35	1.22	1.11	1.01	0.94	0.87	12.34	18.24	9.04	13.36	17.98
DP-SP175/65/180	4.85	14.66	2.44	2.09	1.83	1.63	1.47	1.33	1.22	1.13	1.05	14.66	26.47	12.56	17.92	24.40
DP-SP175/65/200	5.37	16.17	2.69	2.31	2.02	1.80	1.62	1.47	1.35	1.24	1.15	16.17	31.83	14.88	20.86	28.42
DP-SP205/65/150	4.4	15.09	2.52	2.16	1.89	1.68	1.51	1.37	1.26	1.16	1.08	17.94	22.64	9.91	15.12	20.86
DP-SP205/65/180	5.26	21.33	3.56	3.05	2.67	2.37	2.13	1.94	1.78	1.64	1.52	21.33	32.89	13.70	20.17	28.16
DP-SP205/65/200	5.83	23.54	3.92	3.36	2.94	2.62	2.35	2.14	1.96	1.81	1.68	23.54	39.56	16.20	23.42	32.72
DP-SP235/65/150	4.75	18.23	3.04	2.60	2.28	2.03	1.82	1.66	1.52	1.40	1.30	22.33	27.34	11.78	17.89	24.81
DP-SP235/65/180	5.68	26.50	4.42	3.79	3.31	2.94	2.65	2.41	2.21	2.04	1.89	26.57	39.76	16.30	23.87	33.43
DP-SP235/65/200	6.29	29.33	4.89	4.19	3.67	3.26	2.93	2.67	2.44	2.26	2.10	29.33	47.85	19.27	27.72	38.83
DP-SP265/65/150	5.09	21.57	3.59	3.08	2.70	2.40	2.16	1.96	1.80	1.66	1.54	29.79	32.35	12.76	19.78	27.93
DP-SP265/65/180	6.09	31.38	5.23	4.48	3.92	3.49	3.14	2.85	2.62	2.41	2.24	35.47	47.07	17.62	26.29	37.46
DP-SP265/65/200	6.75	37.79	6.30	5.40	4.72	4.20	3.78	3.44	3.15	2.91	2.70	39.18	56.68	20.81	30.48	43.42
DP-SP300/65/150	5.49	25.72	4.29	3.67	3.21	2.86	2.57	2.34	2.14	1.98	1.84	40.22	38.58	14.20	22.26	31.90
DP-SP300/65/180	6.58	37.44	6.24	5.35	4.68	4.16	3.74	3.40	3.12	2.88	2.67	47.92	56.16	19.58	29.52	42.62

ProSigma+ HX460LAD (Galv.) - Single Span Rails - 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										Deflection Span /150	Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres												Number of anti sag rods		
			1200	1400	1600	1800	2000	2200	2400	2600	2800	0			1	2	
DP-SP300/65/200	7.29	45.10	7.52	6.44	5.64	5.01	4.51	4.10	3.76	3.47	3.22	52.95	67.66	23.10	34.20	49.31	
DP-SP325/65/150	5.78	28.85	4.81	4.12	3.61	3.21	2.88	2.62	2.40	2.22	2.06	48.87	43.27	14.88	23.69	34.42	
DP-SP325/65/180	6.92	42.02	7.00	6.00	5.25	4.67	4.20	3.82	3.50	3.23	3.00	58.25	63.02	20.47	31.33	45.82	
DP-SP325/65/200	7.68	50.63	8.44	7.23	6.33	5.63	5.06	4.60	4.22	3.89	3.62	64.38	75.94	24.14	36.24	52.94	

HX460LAD - Single Span Rails - Span = 5.5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/150	3.71	7.64	1.16	0.99	0.87	0.77	0.69					7.64	12.87	6.87	9.59	12.77
DP-SP145/65/180	4.44	9.07	1.37	1.18	1.03	0.92	0.82	0.75	0.69			9.07	18.67	9.63	12.98	17.30
DP-SP145/65/200	4.91	9.99	1.51	1.30	1.14	1.01	0.91	0.83	0.76	0.70		9.99	22.42	11.45	15.18	20.15
DP-SP175/65/150	4.06	10.20	1.55	1.32	1.16	1.03	0.93	0.84	0.77	0.71		10.20	16.58	7.86	11.28	15.37
DP-SP175/65/180	4.85	12.12	1.84	1.57	1.38	1.22	1.10	1.00	0.92	0.85	0.79	12.12	24.07	10.99	15.19	20.71
DP-SP175/65/200	5.37	13.36	2.02	1.74	1.52	1.35	1.21	1.10	1.01	0.93	0.87	13.36	28.93	13.04	17.72	24.07
DP-SP205/65/150	4.4	13.72	2.08	1.78	1.56	1.39	1.25	1.13	1.04	0.96	0.89	14.83	20.58	8.58	12.69	17.73
DP-SP205/65/180	5.26	17.63	2.67	2.29	2.00	1.78	1.60	1.46	1.34	1.23	1.14	17.63	29.90	11.94	16.99	23.76
DP-SP205/65/200	5.83	19.45	2.95	2.53	2.21	1.97	1.77	1.61	1.47	1.36	1.26	19.45	35.96	14.15	19.77	27.55
DP-SP235/65/150	4.75	16.57	2.51	2.15	1.88	1.67	1.51	1.37	1.26	1.16	1.08	18.45	24.86	10.21	15.02	21.04
DP-SP235/65/180	5.68	21.96	3.33	2.85	2.50	2.22	2.00	1.81	1.66	1.54	1.43	21.96	36.14	14.22	20.12	28.16
DP-SP235/65/200	6.29	24.24	3.67	3.15	2.75	2.45	2.20	2.00	1.84	1.70	1.57	24.24	43.50	16.85	23.42	32.64
DP-SP265/65/150	5.09	19.61	2.97	2.55	2.23	1.98	1.78	1.62	1.49	1.37	1.27	24.62	29.41	11.03	16.54	23.58
DP-SP265/65/180	6.09	28.53	4.32	3.71	3.24	2.88	2.59	2.36	2.16	2.00	1.85	29.32	42.79	15.34	22.08	31.42
DP-SP265/65/200	6.75	32.38	4.91	4.21	3.68	3.27	2.94	2.68	2.45	2.26	2.10	32.38	51.53	18.16	25.66	36.35
DP-SP300/65/150	5.49	23.38	3.54	3.04	2.66	2.36	2.13	1.93	1.77	1.63	1.52	33.24	35.07	12.26	18.57	26.83
DP-SP300/65/180	6.58	34.04	5.16	4.42	3.87	3.44	3.09	2.81	2.58	2.38	2.21	39.60	51.06	17.02	24.74	35.61
DP-SP300/65/200	7.29	41.00	6.21	5.33	4.66	4.14	3.73	3.39	3.11	2.87	2.66	43.76	61.51	20.14	28.73	41.13
DP-SP325/65/150	5.78	26.22	3.97	3.41	2.98	2.65	2.38	2.17	1.99	1.83	1.70	40.39	39.34	12.82	19.71	28.85
DP-SP325/65/180	6.92	38.20	5.79	4.96	4.34	3.86	3.47	3.16	2.89	2.67	2.48	48.14	57.30	17.76	26.18	38.16
DP-SP325/65/200	7.68	46.03	6.97	5.98	5.23	4.65	4.18	3.80	3.49	3.22	2.99	53.21	69.04	21.01	30.37	44.02

HX460LAD - Single Span Rails - Span = 6m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/150	3.71	6.42	0.89	0.76	0.67							6.42	11.80	6.09	8.27	11.05
DP-SP145/65/180	4.44	7.62	1.06	0.91	0.79	0.71						7.62	17.11	8.58	11.25	14.91
DP-SP145/65/200	4.91	8.40	1.17	1.00	0.87	0.78	0.70					8.40	20.55	10.22	13.19	17.36
DP-SP175/65/150	4.06	8.57	1.19	1.02	0.89	0.79	0.71					8.57	15.20	6.95	9.69	13.23
DP-SP175/65/180	4.85	10.18	1.41	1.21	1.06	0.94	0.85	0.77	0.71			10.18	22.06	9.77	13.10	17.76
DP-SP175/65/200	5.37	11.23	1.56	1.34	1.17	1.04	0.94	0.85	0.78	0.72	0.67	11.23	26.52	11.62	15.32	20.63
DP-SP205/65/150	4.4	12.46	1.73	1.48	1.30	1.15	1.04	0.94	0.87	0.80	0.74	12.46	18.86	7.56	10.84	15.19
DP-SP205/65/180	5.26	14.82	2.06	1.76	1.54	1.37	1.23	1.12	1.03	0.95	0.88	14.82	27.41	10.58	14.59	20.27
DP-SP205/65/200	5.83	16.35	2.27	1.95	1.70	1.51	1.36	1.24	1.14	1.05	0.97	16.35	32.97	12.57	17.02	23.48
DP-SP235/65/150	4.75	15.19	2.11	1.81	1.58	1.41	1.27	1.15	1.05	0.97	0.90	15.51	22.79	9.00	12.84	18.00
DP-SP235/65/180	5.68	18.45	2.56	2.20	1.92	1.71	1.54	1.40	1.28	1.18	1.10	18.45	33.13	12.61	17.28	24.00
DP-SP235/65/200	6.29	20.37	2.83	2.42	2.12	1.89	1.70	1.54	1.41	1.31	1.21	20.37	39.87	14.98	20.17	27.80
DP-SP265/65/150	5.09	17.97	2.50	2.14	1.87	1.66	1.50	1.36	1.25	1.15	1.07	20.69	26.96	9.71	14.09	20.09
DP-SP265/65/180	6.09	24.63	3.42	2.93	2.57	2.28	2.05	1.87	1.71	1.58	1.47	24.63	39.23	13.57	18.91	26.67
DP-SP265/65/200	6.75	27.21	3.78	3.24	2.83	2.52	2.27	2.06	1.89	1.74	1.62	27.21	47.23	16.11	22.03	30.84
DP-SP300/65/150	5.49	21.43	2.98	2.55	2.23	1.98	1.79	1.62	1.49	1.37	1.28	27.93	32.15	10.77	15.79	22.78
DP-SP300/65/180	6.58	31.20	4.33	3.71	3.25	2.89	2.60	2.36	2.17	2.00	1.86	33.28	46.80	15.04	21.15	30.14
DP-SP300/65/200	7.29	36.77	5.11	4.38	3.83	3.40	3.06	2.79	2.55	2.36	2.19	36.77	56.38	17.85	24.62	34.80
DP-SP325/65/150	5.78	24.04	3.34	2.86	2.50	2.23	2.00	1.82	1.67	1.54	1.43	33.94	36.06	11.25	16.72	24.42
DP-SP325/65/180	6.92	35.01	4.86	4.17	3.65	3.24	2.92	2.65	2.43	2.24	2.08	40.45	52.52	15.68	22.33	32.20
DP-SP325/65/200	7.68	42.19	5.86	5.02	4.39	3.91	3.52	3.20	2.93	2.70	2.51	44.71	63.28	18.59	25.97	37.13

HX460LAD - Single Span Rails - Span = 6.5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/150	3.71	5.47	0.70									5.47	10.89	5.47	7.24	9.65

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

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads									Deflection Span /150	Ultimate U.D.L. in kN/Span			
			Allowable loading in kN/m ²										Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres											0	1	2
			1200	1400	1600	1800	2000	2200	2400	2600	2800					
DP-SP145/65/180	4.44	6.49	0.83	0.71								6.49	15.79	7.74	9.89	12.99
DP-SP145/65/200	4.91	7.15	0.92	0.79	0.69							7.15	18.97	9.24	11.63	15.13
DP-SP175/65/150	4.06	7.30	0.94	0.80	0.70							7.30	14.03	6.23	8.45	11.50
DP-SP175/65/180	4.85	8.68	1.11	0.95	0.83	0.74	0.67					8.68	20.37	8.79	11.48	15.40
DP-SP175/65/200	5.37	9.57	1.23	1.05	0.92	0.82	0.74	0.67				9.57	24.48	10.48	13.46	17.89
DP-SP205/65/150	4.4	10.62	1.36	1.17	1.02	0.91	0.82	0.74	0.68			10.62	17.41	6.75	9.41	13.13
DP-SP205/65/180	5.26	12.62	1.62	1.39	1.21	1.08	0.97	0.88	0.81	0.75	0.69	12.62	25.30	9.50	12.72	17.49
DP-SP205/65/200	5.83	13.93	1.79	1.53	1.34	1.19	1.07	0.97	0.89	0.82	0.77	13.93	30.43	11.30	14.88	20.26
DP-SP235/65/150	4.75	13.21	1.69	1.45	1.27	1.13	1.02	0.92	0.85	0.78	0.73	13.21	21.03	8.05	11.15	15.54
DP-SP235/65/180	5.68	15.72	2.02	1.73	1.51	1.34	1.21	1.10	1.01	0.93	0.86	15.72	30.58	11.33	15.09	20.70
DP-SP235/65/200	6.29	17.36	2.23	1.91	1.67	1.48	1.34	1.21	1.11	1.03	0.95	17.36	36.81	13.48	17.65	23.98
DP-SP265/65/150	5.09	16.59	2.13	1.82	1.60	1.42	1.28	1.16	1.06	0.98	0.91	17.63	24.89	8.67	12.21	17.29
DP-SP265/65/180	6.09	20.99	2.69	2.31	2.02	1.79	1.61	1.47	1.35	1.24	1.15	20.99	36.21	12.17	16.46	22.92
DP-SP265/65/200	6.75	23.18	2.97	2.55	2.23	1.98	1.78	1.62	1.49	1.37	1.27	23.18	43.60	14.48	19.23	26.51
DP-SP300/65/150	5.49	19.78	2.54	2.17	1.90	1.69	1.52	1.38	1.27	1.17	1.09	23.80	29.67	9.61	13.65	19.54
DP-SP300/65/180	6.58	28.35	3.64	3.12	2.73	2.42	2.18	1.98	1.82	1.68	1.56	28.35	43.20	13.48	18.38	25.84
DP-SP300/65/200	7.29	31.33	4.02	3.44	3.01	2.68	2.41	2.19	2.01	1.85	1.72	31.33	52.04	16.03	21.46	29.85
DP-SP325/65/150	5.78	22.19	2.84	2.44	2.13	1.90	1.71	1.55	1.42	1.31	1.22	28.92	33.28	10.02	14.42	20.90
DP-SP325/65/180	6.92	32.32	4.14	3.55	3.11	2.76	2.49	2.26	2.07	1.91	1.78	34.47	48.48	14.04	19.37	27.54
DP-SP325/65/200	7.68	38.10	4.88	4.19	3.66	3.26	2.93	2.66	2.44	2.25	2.09	38.10	58.42	16.68	22.59	31.77

HX460LAD - Single Span Rails - Span = 7m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP145/65/180	4.44	5.60	0.67									5.60	14.67	7.05	8.81	11.43
DP-SP145/65/200	4.91	6.17	0.73									6.17	17.62	8.43	10.38	13.32
DP-SP175/65/150	4.06	6.30	0.75									6.30	13.03	5.65	7.46	10.07
DP-SP175/65/180	4.85	7.48	0.89	0.76	0.67							7.48	18.91	7.99	10.19	13.50
DP-SP175/65/200	5.37	8.25	0.98	0.84	0.74							8.25	22.73	9.54	11.98	15.69
DP-SP205/65/150	4.4	9.15	1.09	0.93	0.82	0.73						9.15	16.17	6.10	8.28	11.45
DP-SP205/65/180	5.26	10.88	1.30	1.11	0.97	0.86	0.78	0.71				10.88	23.49	8.62	11.25	15.25
DP-SP205/65/200	5.83	12.01	1.43	1.23	1.07	0.95	0.86	0.78	0.71			12.01	28.26	10.27	13.19	17.69
DP-SP235/65/150	4.75	11.39	1.36	1.16	1.02	0.90	0.81	0.74	0.68			11.39	19.53	7.28	9.82	13.55
DP-SP235/65/180	5.68	13.56	1.61	1.38	1.21	1.08	0.97	0.88	0.81	0.74	0.69	13.56	28.40	10.29	13.35	18.05
DP-SP235/65/200	6.29	14.96	1.78	1.53	1.34	1.19	1.07	0.97	0.89	0.82	0.76	14.96	34.18	12.26	15.66	20.94
DP-SP265/65/150	5.09	15.20	1.81	1.55	1.36	1.21	1.09	0.99	0.90	0.84	0.78	15.20	23.11	7.83	10.72	15.02
DP-SP265/65/180	6.09	18.10	2.15	1.85	1.62	1.44	1.29	1.18	1.08	0.99	0.92	18.10	33.62	11.04	14.53	19.93
DP-SP265/65/200	6.75	19.99	2.38	2.04	1.78	1.59	1.43	1.30	1.19	1.10	1.02	19.99	40.48	13.15	17.02	23.08
DP-SP300/65/150	5.49	18.37	2.19	1.87	1.64	1.46	1.31	1.19	1.09	1.01	0.94	20.52	27.55	8.67	11.97	16.94
DP-SP300/65/180	6.58	24.45	2.91	2.49	2.18	1.94	1.75	1.59	1.46	1.34	1.25	24.45	40.12	12.22	16.21	22.42
DP-SP300/65/200	7.29	27.01	3.22	2.76	2.41	2.14	1.93	1.75	1.61	1.48	1.38	27.01	48.33	14.55	18.97	25.94
DP-SP325/65/150	5.78	20.60	2.45	2.10	1.84	1.64	1.47	1.34	1.23	1.13	1.05	24.93	30.91	9.03	12.63	18.07
DP-SP325/65/180	6.92	29.72	3.54	3.03	2.65	2.36	2.12	1.93	1.77	1.63	1.52	29.72	45.02	12.71	17.04	23.84
DP-SP325/65/200	7.68	32.85	3.91	3.35	2.93	2.61	2.35	2.13	1.96	1.80	1.68	32.85	54.24	15.13	19.93	27.54

HX460LAD - Single Span Rails - Span = 7.5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP175/65/180	4.85	6.52	0.72									6.52	17.65	7.33	9.15	11.95
DP-SP175/65/200	5.37	7.19	0.80	0.68								7.19	21.22	8.76	10.78	13.91
DP-SP205/65/150	4.4	7.97	0.89	0.76								7.97	15.09	5.57	7.37	10.08
DP-SP205/65/180	5.26	9.48	1.05	0.90	0.79	0.70						9.48	21.93	7.89	10.07	13.45
DP-SP205/65/200	5.83	10.46	1.16	1.00	0.87	0.77	0.70					10.46	26.37	9.42	11.83	15.61
DP-SP235/65/150	4.75	9.92	1.10	0.95	0.83	0.74						9.92	18.23	6.65	8.75	11.93
DP-SP235/65/180	5.68	11.81	1.31	1.12	0.98	0.87	0.79	0.72				11.81	26.50	9.42	11.95	15.92
DP-SP235/65/200	6.29	13.04	1.45	1.24	1.09	0.97	0.87	0.79	0.72	0.67		13.04	31.90	11.25	14.05	18.48
DP-SP265/65/150	5.09	13.24	1.47	1.26	1.10	0.98	0.88	0.80	0.74	0.68		13.24	21.57	7.14	9.53	13.18
DP-SP265/65/180	6.09	15.77	1.75	1.50	1.31	1.17	1.05	0.96	0.88	0.81	0.75	15.77	31.38	10.11	12.98	17.53
DP-SP265/65/200	6.75	17.41	1.93	1.66	1.45	1.29	1.16	1.06	0.97	0.89	0.83	17.41	37.79	12.06	15.24	20.32
DP-SP300/65/150	5.49	17.14	1.90	1.63	1.43	1.27	1.14	1.04	0.95	0.88	0.82	17.87	25.72	7.90	10.63	14.84

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

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads									Deflection Span /150	Ultimate U.D.L. in kN/Span				
			Allowable loading in kN/m ²										Gravity Load	Uplift - metal cladding			
			Rail Centres in millimetres											0	1	2	
			1200	1400	1600	1800	2000	2200	2400	2600	2800						
DP-SP300/65/180	6.58	21.30	2.37	2.03	1.77	1.58	1.42	1.29	1.18	1.09	1.01	21.30	37.44	11.18	14.46	19.68	
DP-SP300/65/200	7.29	23.53	2.61	2.24	1.96	1.74	1.57	1.43	1.31	1.21	1.12	23.53	45.10	13.33	16.97	22.80	
DP-SP325/65/150	5.78	19.23	2.14	1.83	1.60	1.42	1.28	1.17	1.07	0.99	0.92	21.72	28.85	8.22	11.19	15.80	
DP-SP325/65/180	6.92	25.89	2.88	2.47	2.16	1.92	1.73	1.57	1.44	1.33	1.23	25.89	42.02	11.61	15.19	20.89	
DP-SP325/65/200	7.68	28.61	3.18	2.73	2.38	2.12	1.91	1.73	1.59	1.47	1.36	28.61	50.63	13.85	17.80	24.16	

HX460LAD - Single Span Rails - Span = 8m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP205/65/150	4.4	7.01	0.73									7.01	14.15	5.12	6.63	8.95
DP-SP205/65/180	5.26	8.33	0.87	0.74								8.33	20.56	7.28	9.10	11.97
DP-SP205/65/200	5.83	9.20	0.96	0.82	0.72							9.20	24.73	8.70	10.71	13.92
DP-SP235/65/150	4.75	8.72	0.91	0.78	0.68							8.72	17.09	6.12	7.87	10.59
DP-SP235/65/180	5.68	10.38	1.08	0.93	0.81	0.72						10.38	24.85	8.70	10.81	14.17
DP-SP235/65/200	6.29	11.46	1.19	1.02	0.90	0.80	0.72					11.46	29.91	10.40	12.73	16.48
DP-SP265/65/150	5.09	11.64	1.21	1.04	0.91	0.81	0.73					11.64	20.22	6.56	8.56	11.68
DP-SP265/65/180	6.09	13.86	1.44	1.24	1.08	0.96	0.87	0.79	0.72	0.67		13.86	29.42	9.32	11.72	15.57
DP-SP265/65/200	6.75	15.30	1.59	1.37	1.20	1.06	0.96	0.87	0.80	0.74	0.68	15.30	35.42	11.13	13.79	18.08
DP-SP300/65/150	5.49	15.71	1.64	1.40	1.23	1.09	0.98	0.89	0.82	0.76	0.70	15.71	24.11	7.26	9.54	13.12
DP-SP300/65/180	6.58	18.72	1.95	1.67	1.46	1.30	1.17	1.06	0.97	0.90	0.84	18.72	35.10	10.30	13.04	17.45
DP-SP300/65/200	7.29	20.68	2.15	1.85	1.62	1.44	1.29	1.18	1.08	0.99	0.92	20.68	42.29	12.30	15.33	20.25
DP-SP325/65/150	5.78	18.03	1.88	1.61	1.41	1.25	1.13	1.02	0.94	0.87	0.80	19.09	27.04	7.55	10.02	13.94
DP-SP325/65/180	6.92	22.75	2.37	2.03	1.78	1.58	1.42	1.29	1.19	1.09	1.02	22.75	39.39	10.70	13.67	18.49
DP-SP325/65/200	7.68	25.15	2.62	2.25	1.96	1.75	1.57	1.43	1.31	1.21	1.12	25.15	47.46	12.77	16.06	21.42

HX460LAD - Single Span Rails - Span = 8.5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP235/65/150	4.75	7.73	0.76									7.73	16.08	5.67	7.15	9.48
DP-SP235/65/180	5.68	9.19	0.90	0.77	0.68							9.19	23.39	8.08	9.86	12.73
DP-SP235/65/200	6.29	10.15	1.00	0.85	0.75							10.15	28.15	9.67	11.63	14.83
DP-SP265/65/150	5.09	10.31	1.01	0.87	0.76	0.67						10.31	19.03	6.07	7.76	10.43
DP-SP265/65/180	6.09	12.27	1.20	1.03	0.90	0.80	0.72					12.27	27.69	8.65	10.67	13.95
DP-SP265/65/200	6.75	13.56	1.33	1.14	1.00	0.89	0.80	0.72				13.56	33.34	10.34	12.58	16.23
DP-SP300/65/150	5.49	13.92	1.36	1.17	1.02	0.91	0.82	0.74	0.68			13.92	22.69	6.72	8.64	11.71
DP-SP300/65/180	6.58	16.58	1.63	1.39	1.22	1.08	0.98	0.89	0.81	0.75	0.70	16.58	33.04	9.56	11.86	15.62
DP-SP300/65/200	7.29	18.32	1.80	1.54	1.35	1.20	1.08	0.98	0.90	0.83	0.77	18.32	39.80	11.43	13.98	18.16
DP-SP325/65/150	5.78	16.91	1.66	1.42	1.24	1.11	0.99	0.90	0.83	0.77	0.71	16.91	25.45	6.98	9.07	12.42
DP-SP325/65/180	6.92	20.16	1.98	1.69	1.48	1.32	1.19	1.08	0.99	0.91	0.85	20.16	37.07	9.92	12.42	16.52
DP-SP325/65/200	7.68	22.28	2.18	1.87	1.64	1.46	1.31	1.19	1.09	1.01	0.94	22.28	44.67	11.85	14.62	19.18

HX460LAD - Single Span Rails - Span = 9m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP235/65/180	5.68	8.20	0.76									8.20	22.09	7.54	9.06	11.52
DP-SP235/65/200	6.29	9.05	0.84	0.72								9.05	26.58	9.03	10.71	13.45
DP-SP265/65/150	5.09	9.20	0.85	0.73								9.20	17.97	5.66	7.09	9.40
DP-SP265/65/180	6.09	10.95	1.01	0.87	0.76	0.68						10.95	26.15	8.07	9.79	12.61
DP-SP265/65/200	6.75	12.09	1.12	0.96	0.84	0.75	0.67					12.09	31.49	9.66	11.56	14.69
DP-SP300/65/150	5.49	12.41	1.15	0.99	0.86	0.77	0.69					12.41	21.43	6.25	7.89	10.53
DP-SP300/65/180	6.58	14.79	1.37	1.17	1.03	0.91	0.82	0.75	0.68			14.79	31.20	8.92	10.88	14.10
DP-SP300/65/200	7.29	16.34	1.51	1.30	1.13	1.01	0.91	0.83	0.76	0.70		16.34	37.59	10.67	12.84	16.41
DP-SP325/65/150	5.78	15.08	1.40	1.20	1.05	0.93	0.84	0.76	0.70			15.08	24.04	6.49	8.27	11.15
DP-SP325/65/180	6.92	17.98	1.66	1.43	1.25	1.11	1.00	0.91	0.83	0.77	0.71	17.98	35.01	9.25	11.37	14.89
DP-SP325/65/200	7.68	19.87	1.84	1.58	1.38	1.23	1.10	1.00	0.92	0.85	0.79	19.87	42.19	11.06	13.41	17.31

HX460LAD - Single Span Rails - Span = 9.5m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
-------------------	--------	--------	------	------	------	------	------	------	------	------	------	-------	---------	---	---	---

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

Section reference	Weight (Kg/m)	Total Working U.D.L. (kN)	Working Loads									Deflection Span /150	Ultimate U.D.L. in kN/Span			
			Allowable loading in kN/m ²										Gravity Load	Uplift - metal cladding		
			Rail Centres in millimetres											Number of anti sag rods		
			1200	1400	1600	1800	2000	2200	2400	2600	2800			0	1	2
DP-SP235/65/200	6.29	8.13	0.71								8.13	25.18	8.48	9.92	12.28	
DP-SP265/65/150	5.09	8.25	0.72								8.25	17.03	5.29	6.52	8.52	
DP-SP265/65/180	6.09	9.83	0.86	0.74							9.83	24.77	7.57	9.04	11.47	
DP-SP265/65/200	6.75	10.85	0.95	0.82	0.71						10.85	29.83	9.06	10.69	13.39	
DP-SP300/65/150	5.49	11.14	0.98	0.84	0.73						11.14	20.30	5.85	7.25	9.54	
DP-SP300/65/180	6.58	13.27	1.16	1.00	0.87	0.78	0.70				13.27	29.56	8.36	10.04	12.82	
DP-SP300/65/200	7.29	14.67	1.29	1.10	0.96	0.86	0.77	0.70			14.67	35.61	10.01	11.87	14.95	
DP-SP325/65/150	5.78	13.54	1.19	1.02	0.89	0.79	0.71				13.54	22.77	6.07	7.59	10.08	
DP-SP325/65/180	6.92	16.14	1.42	1.21	1.06	0.94	0.85	0.77	0.71		16.14	33.17	8.66	10.49	13.52	
DP-SP325/65/200	7.68	17.83	1.56	1.34	1.17	1.04	0.94	0.85	0.78	0.72	17.83	39.97	10.37	12.39	15.75	

HX460LAD - Single Span Rails - Span = 10m

Section reference	Weight	U.D.L.	1200	1400	1600	1800	2000	2200	2400	2600	2800	Defl.	Gravity	0	1	2
DP-SP265/65/180	6.09	8.87	0.74									8.87	23.54	7.12	8.40	10.51
DP-SP265/65/200	6.75	9.79	0.82	0.70								9.79	28.34	8.54	9.95	12.29
DP-SP300/65/150	5.49	10.05	0.84	0.72								10.05	19.29	5.50	6.71	8.70
DP-SP300/65/180	6.58	11.98	1.00	0.86	0.75	0.67						11.98	28.08	7.87	9.32	11.73
DP-SP300/65/200	7.29	13.24	1.10	0.95	0.83	0.74						13.24	33.83	9.43	11.03	13.71
DP-SP325/65/150	5.78	12.22	1.02	0.87	0.76	0.68						12.22	21.63	5.70	7.01	9.18
DP-SP325/65/180	6.92	14.56	1.21	1.04	0.91	0.81	0.73					14.56	31.51	8.15	9.72	12.35
DP-SP325/65/200	7.68	16.10	1.34	1.15	1.01	0.89	0.80	0.73	0.67			16.10	37.97	9.77	11.50	14.42