

Reference Material - Cable Tray Weights

Series 1

Steel Side Rail Weights

Tray Series		148	156	166	176
Weight for 2 Side Rails	lbs/ft	1.68	2.32	2.62	3.03
	kg/m	2.50	3.45	3.90	4.51

Example:
Weight for 148P09-12-144
= 1.68 lbs/ft + .51 lbs/ft = 2.19 lbs/ft
= (2.19 lbs/ft) (12 ft) = 26.28 lbs.

Tray Bottom Weights

Tray Width (inches)			6	9	12	18	24	30	36
All Series 1 Steel	6" Spacing Rung Weight	lbs/ft	0.38	0.57	0.76	1.14	1.52	2.25	2.70
		kg/m	0.57	0.85	1.13	1.70	2.26	3.35	4.02
	9" Spacing Rung Weight	lbs/ft	0.25	0.38	0.51	0.76	1.01	1.50	1.80
		kg/m	0.38	0.57	0.75	1.13	1.51	2.23	2.68
	12" Spacing Rung Weight	lbs/ft	0.19	0.29	0.38	0.57	0.76	1.13	1.35
		kg/m	0.29	0.43	0.57	0.85	1.13	1.68	2.01
Series 148 Steel	Vented Trough Weight	lbs/ft	0.48	0.72	0.95	1.43	1.91	2.39	2.86
		kg/m	0.71	1.06	1.42	2.13	2.84	3.55	4.26
	Solid Trough Weight	lbs/ft	0.60	0.90	1.20	1.80	2.39	2.99	3.59
		kg/m	0.89	1.34	1.78	2.67	3.56	4.45	5.34
Series 156, 166 & 176 Steel	4" Vented Rung Weight	lbs/ft	0.57	0.86	1.14	1.71	2.28	3.37	3.42
		kg/m	0.85	1.27	1.70	2.54	3.39	5.02	5.09
	Solid Bottom Weight	lbs/ft	1.01	1.51	2.01	3.02	4.02	5.20	6.25
		kg/m	1.50	2.24	2.99	4.49	5.98	7.74	9.29

When using steel tray that is hot dip galvanized after fabrication add 9.6% to weights.

Series 2, 3, 4 or 5

Aluminum Side Rail Weights

Tray Series		24	M24	34	25	35	26	36	46	M46	H46	37	47	H47	57
Weight for 2 Side Rails	lbs/ft	1.23	1.66	2.12	1.44	1.96	1.64	2.09	2.33	2.60	3.47	2.12	2.80	3.54	4.92
	kg/m	1.83	2.47	3.15	2.14	2.92	2.44	3.11	3.47	3.87	5.16	3.15	4.16	5.27	7.32

Steel Side Rail Weights

Tray Series		248	346	444	258	356	454	268	368	366	464	378	476	574
Weight for 2 Side Rails	lbs/ft	2.34	3.28	4.04	2.68	3.72	4.58	3.04	3.40	4.16	5.12	3.76	4.60	5.66
	kg/m	3.48	4.88	6.01	3.99	5.54	6.82	4.52	5.06	6.19	7.62	5.59	6.84	8.42

Series 2, 3, 4 or 5 weights continued on page 369.

Reference Material - Cable Tray Weights

Series 2, 3, 4 or 5

Tray Bottom Weights

Tray Width (inches)			6	9	12	18	24	30	36	42
All Series 2,3,4 Aluminum	6" Spacing Rung Weight	lbs/ft	0.30	0.44	0.59	0.89	1.18	1.70	2.04	2.38
		kg/m	0.44	0.66	0.88	1.32	1.76	2.53	3.04	3.54
	9" Spacing Rung Weight	lbs/ft	0.20	0.29	0.39	0.59	0.78	1.13	1.36	1.58
		kg/m	0.29	0.44	0.58	0.87	1.16	1.68	2.02	2.35
	12" Spacing Rung Weight	lbs/ft	0.15	0.22	0.29	0.44	0.58	0.85	1.02	1.19
		kg/m	0.22	0.32	0.43	0.65	0.86	1.26	1.52	1.77
	18" Spacing Rung Weight	lbs/ft	0.10	0.15	0.20	0.30	0.40	0.57	0.68	0.80
		kg/m	0.15	0.22	0.30	0.45	0.60	0.85	1.02	1.19
	Vented Trough Weight	lbs/ft	0.25	0.38	0.50	0.75	1.00	1.25	1.50	1.75
		kg/m	0.37	0.56	0.74	1.12	1.49	1.86	2.23	2.60
	Solid Trough Weight	lbs/ft	0.31	0.46	0.61	0.92	1.22	1.53	1.83	2.14
		kg/m	0.45	0.68	0.91	1.36	1.82	2.27	2.72	3.18
All Series 2,3,4,5 Steel	6" Spacing Rung Weight	lbs/ft	0.62	0.92	1.23	1.85	2.46	3.67	4.40	5.14
		kg/m	0.92	1.37	1.83	2.75	3.66	5.46	6.55	7.65
	9" Spacing Rung Weight	lbs/ft	0.41	0.62	0.82	1.23	1.64	2.45	2.94	3.43
		kg/m	0.61	0.92	1.22	1.83	2.44	3.65	4.37	5.10
	12" Spacing Rung Weight	lbs/ft	0.31	0.47	0.62	0.93	1.24	1.84	2.21	2.58
		kg/m	0.46	0.69	0.92	1.38	1.85	2.74	3.29	3.83
	18" Spacing Rung Weight	lbs/ft	0.21	0.31	0.41	0.62	0.82	1.22	1.46	1.71
		kg/m	0.31	0.46	0.61	0.92	1.22	1.82	2.18	2.54
	Vented Trough Weight	lbs/ft	0.53	0.80	1.06	1.59	2.12	2.65	3.18	3.71
		kg/m	0.79	1.18	1.58	2.37	3.15	3.94	4.73	5.52
	Solid Trough Weight	lbs/ft	0.67	1.00	1.33	2.00	2.66	3.33	3.99	4.66
		kg/m	0.99	1.48	1.98	2.97	3.96	4.95	5.94	6.93

When using steel tray that is hot dip galvanized after fabrication add 9.6% to weights.

Fiberglass

Fiberglass Side Rail Weights

Tray Series		13	24	36	46	H46	48
Weight for 2 Side Rails	lbs/ft	1.40	1.78	2.82	3.72	3.72	4.66
	kg/m	2.08	2.65	4.20	5.54	5.54	6.93

Fiberglass Bottom Weights

Tray Width (inches)			6	9	12	18	24	30	36
All Series Fiberglass	6" Spacing Rung Weight	lbs/ft	0.54	0.81	1.08	1.62	2.16	2.70	3.23
		kg/m	0.80	1.20	1.60	2.41	3.21	4.01	4.81
	9" Spacing Rung Weight	lbs/ft	0.35	0.53	0.70	1.05	1.40	1.75	2.10
		kg/m	0.52	0.78	1.04	1.56	2.09	2.61	3.13
	12" Spacing Rung Weight	lbs/ft	0.27	0.40	0.54	0.81	1.08	1.35	1.62
		kg/m	0.40	0.60	0.80	1.20	1.60	2.01	2.41
	18" Spacing Rung Weight	lbs/ft	0.19	0.28	0.38	0.57	0.75	0.94	1.13
		kg/m	0.28	0.42	0.56	0.84	1.12	1.40	1.68
	6" Spacing Marine Rung Wt.	lbs/ft	0.75	1.12	1.49	2.24	2.98	3.73	4.48
		kg/m	1.11	1.67	2.22	3.33	4.44	5.55	6.66
	9" Spacing Marine Rung Wt.	lbs/ft	0.48	0.73	0.97	1.45	1.94	2.42	2.91
		kg/m	0.72	1.08	1.44	2.16	2.89	3.61	4.33
	12" Spacing Marine Rung Wt.	lbs/ft	0.37	0.56	0.75	1.12	1.49	1.87	2.24
		kg/m	0.56	0.83	1.11	1.67	2.22	2.78	3.33
	18" Spacing Marine Rung Wt.	lbs/ft	0.26	0.39	0.52	0.78	1.04	1.31	1.57
		kg/m	0.39	0.58	0.78	1.17	1.55	1.94	2.33