
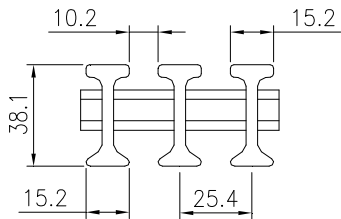


A=	9.885x10 ³ mm ² /m	I4000 1 1/2" (38.1mm) PHENOLIC WEIGHT PER SQm: 25.2 kg	LOAD IS KN/SQM (UNIFORM) OR KN/M OF WIDTH (CONCENTRATED)														STRONGWELL			
I =	1.805x10 ⁶ mm ⁴ /m		Δu IS THE DEFLECTION IN mm UNDER A UNIFORM LOAD														USCG Approved			
S=	9.476x10 ⁴ mm ³ /m		Δc IS THE DEFLECTION IN mm UNDER A CONCENTRATED LOAD																safe load, 2 to 1	
E x 10 ¹⁰ N/SQm	SPAN mm	LOAD →	3	5	7.5	10	13	15	20	25	39	50	100	150	200	250	safety factor	deflection		
3.66	600	Δu	0.08	0.13	0.19	0.26	0.33	0.38	0.51	0.64	1.00	1.28	2.55	3.83	5.11	6.39	387	9.9		
		Δc	0.20	0.34	0.51	0.68	0.89	1.02	1.36	1.70	2.66	3.41	6.81					119	8.1	
3.90	800	Δu	0.23	0.38	0.57	0.76	0.98	1.14	1.52	1.89	2.95	3.79	7.58	11.36	15.15			270	20.5	
		Δc	0.45	0.76	1.14	1.52	1.97	2.27	3.03	3.79	5.91	7.58						104	15.7	
4.21	1000	Δu	0.51	0.86	1.29	1.71	2.23	2.57	3.43	4.28	6.68	8.57						245	41.9	
		Δc	0.82	1.37	2.06	2.74	3.56	4.11	5.48	6.85	10.69	13.71						98	26.7	
4.43	1120	Δu	0.77	1.28	1.92	2.56	3.33	3.84	5.12	6.41	9.99	12.81						126	32.3	
		Δc	1.10	1.83	2.75	3.66	4.76	5.49	7.32	9.15	14.28							71	25.8	
4.55	1200	Δu	0.99	1.64	2.47	3.29	4.27	4.93	6.58	8.22	12.82							105	34.5	
		Δc	1.32	2.19	3.29	4.38	5.70	6.58	8.77	10.96								65	28.3	
4.62	1400	Δu	1.80	3.00	4.50	6.00	7.80	9.00	12.00	15.00								84	50.4	
		Δc	2.06	3.43	5.14	6.86	8.91	10.28	13.71									57	39.1	
4.69	1600	Δu	3.02	5.04	7.56	10.08	13.10											60	60.5	
		Δc	3.02	5.04	7.56	10.08	13.10											48	48.4	
4.69	1800	Δu	4.84	8.07	12.11													48	77.5	
		Δc	4.31	7.18	10.76													44	62.4	



Series	Bearing Bar Thickness	No bars Meter Width	Bearing Bar Center	Open Space	% Open Area	Approx. Weight Per Sq. Meter
I-4000	38.1	39.37	25.4	10.2	40	25.19 Kg

Phenolic

A = 9.885 x 10³ mm²/Meter of Width
 I = 1.805 x 10⁶ mm⁴/Meter of Width

S = 9.476 x 10⁴ mm³/Meter of Width