
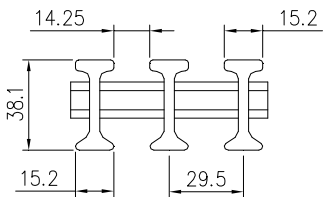


A=	8.512x10 ³ mm ² /m	I4800 1 1/2" (38.1mm) PHENOLIC WEIGHT PER SQm: 21.7 kg	LOAD IS KN/SQM (UNIFORM) OR KN/M OF WIDTH (CONCENTRATED)														STRONGWELL		 MADE IN THE USA	
I =	1.554x10 ⁶ mm ⁴ /m		Δu IS THE DEFLECTION IN mm UNDER A UNIFORM LOAD														USCG Approved			
S=	8.159x10 ⁴ mm ³ /m		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	0.09	0.15	0.22	0.30	0.39	0.45	0.59	0.74	1.16	1.48	2.97	4.45	5.93	7.42	333	9.9		
		Δc	0.24	0.40	0.59	0.79	1.03	1.19	1.58	1.98	3.09	3.96	7.91				102	8.1		
3.90	800	Δu	0.26	0.44	0.66	0.88	1.14	1.32	1.76	2.20	3.43	4.40	8.80	13.20			233	20.5		
		Δc	0.53	0.88	1.32	1.76	2.29	2.64	3.52	4.40	6.86	8.80					89	15.7		
4.21	1000	Δu	0.60	1.00	1.49	1.99	2.59	2.99	3.98	4.98	7.76	9.95					211	41.9		
		Δc	0.96	1.59	2.39	3.18	4.14	4.78	6.37	7.96	12.42	15.92					84	26.8		
4.43	1120	Δu	0.89	1.49	2.23	2.98	3.87	4.46	5.95	7.44	11.61	14.88					109	32.3		
		Δc	1.28	2.13	3.19	4.25	5.53	6.38	8.50	10.63	16.58						61	25.8		
4.55	1200	Δu	1.15	1.91	2.86	3.82	4.96	5.73	7.64	9.55	14.89						90	34.5		
		Δc	1.53	2.55	3.82	5.09	6.62	7.64	10.18	12.73							56	28.3		
4.62	1400	Δu	2.09	3.48	5.23	6.97	9.06	10.45	13.93								72	50.4		
		Δc	2.39	3.98	5.97	7.96	10.35	11.94	15.93								49	39.1		
4.69	1600	Δu	3.51	5.85	8.78	11.71	15.22										52	60.5		
		Δc	3.51	5.85	8.78	11.71	15.22										41	48.4		
4.69	1800	Δu	5.63	9.38	14.07												41	77.6		
		Δc	5.00	8.34	12.50												37	62.5		



Series	Bearing Bar Thickness	No bars Meter Width	Bearing Bar Center	Open Space	% Open Area	Approx. Weight Per Sq. Meter
I-4800	38.1	33.90	29.5	14.25	48	21.7 Kg

Phenolic

A = 8.512 x 10³ mm²/Meter of Width
 I = 1.554 x 10⁶ mm⁴/Meter of Width

S = 8.159 x 10⁴ mm³/Meter of Width