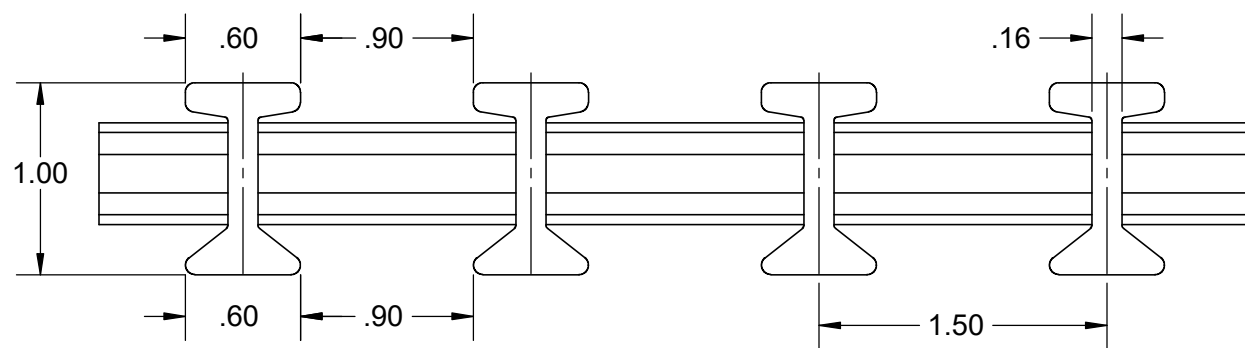


SPAN(in)		LOAD (uniform- lbs/ft ² / concentrated- lbs/ft)													
		50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000
12	Δu	0.001	0.002	0.003	0.004	0.005	0.005	0.007	0.009	0.014	0.018	0.036	0.054	0.073	0.091
	Δc	0.001	0.003	0.004	0.006	0.007	0.009	0.012	0.015	0.022	0.029	0.058	0.087	0.116	0.145
18	Δu	0.004	0.008	0.013	0.017	0.021	0.025	0.033	0.042	0.063	0.084	0.167	0.251	0.335	0.418
	Δc	0.004	0.009	0.013	0.018	0.022	0.027	0.036	0.045	0.067	0.089	0.179	0.268	0.357	0.446
24	Δu	0.012	0.025	0.037	0.050	0.062	0.075	0.100	0.124	0.187	0.249	0.498			
	Δc	0.010	0.020	0.030	0.040	0.050	0.060	0.080	0.100	0.149	0.199	0.398	0.597		
30	Δu	0.029	0.058	0.087	0.116	0.145	0.174	0.231	0.289	0.434	0.579				
	Δc	0.019	0.037	0.056	0.074	0.093	0.111	0.148	0.185	0.278	0.370				
36	Δu	0.058	0.115	0.173	0.230	0.288	0.345	0.460	0.575						
	Δc	0.031	0.061	0.092	0.123	0.153	0.184	0.245	0.307	0.460	0.614				
42	Δu	0.105	0.211	0.316	0.422	0.527	0.633								
	Δc	0.048	0.096	0.145	0.193	0.241	0.289	0.386	0.482						
48	Δu	0.176	0.353	0.529	0.705										
	Δc	0.071	0.141	0.212	0.282	0.353	0.423	0.564							
54	Δu	0.281	0.563												
	Δc	0.100	0.200	0.300	0.400	0.500	0.600								


A= 2.496in²/ft of width Open Area= 60% *Bold border lines indicates loading ≤ 0.25in
 S= 0.656in³/ft of width Approx. Wgt.= 2.4 lbs/ft²
 I= 0.328in⁴/ft of width

- Panels can be made to exact sizes to eliminate waste and fabrication costs in the field. The maximum panel weight is 500 lbs. and the maximum panel size is 60" x 240".
- The two standard colors are gray and yellow.
- The standard polyester resin used in stock grating is fire retardant and meets the requirements for a Class 1 flame rating of 25 or less per ASTM E-84 and meets the self-extinguishing requirements of ASTM D-635. The resin also contains a UV inhibitor.
- Grids can be ordered with or without an anti-skid grit surface. A variety of grit material and textures can be ordered.



I-6000 Grating - 1" Pultruded Bar

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 ARETE STRUCTURES, LLC 123 SLOPES COURT BOONE, NC 28607 www.aretestructures.com
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		DRAWN	AGF	
INTERPRET GEOMETRIC TOLERANCING PER:		CHECKED		
MATERIAL		ENG APPR.		
FINISH		MFG APPR.		
NEXT ASSY		Q.A.		
USED ON		COMMENTS:		
APPLICATION		TITLE: I-6000 1in- Stock Grating		
DO NOT SCALE DRAWING		SCALE: NTS	WEIGHT:	SHEET 1 OF 1
		SIZE B	DWG. NO.	REV