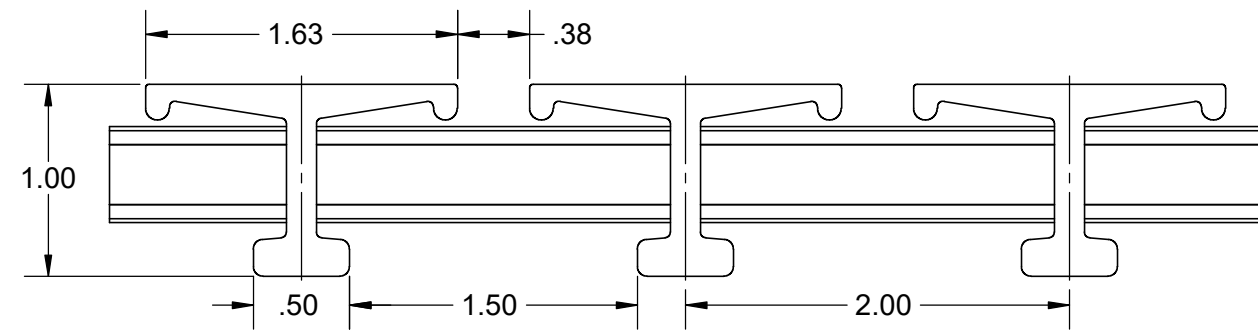


SPAN(in)		LOAD (uniform- lbs/ft ² / concentrated- lbs/ft)													
		50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000
12	Δu	0.001	0.002	0.003	0.004	0.006	0.007	0.009	0.011	0.017	0.022	0.045	0.056	0.067	0.090
	Δc	0.002	0.004	0.005	0.007	0.009	0.011	0.014	0.018	0.027	0.036	0.072	0.090	0.108	0.144
18	Δu	0.005	0.010	0.016	0.021	0.026	0.031	0.041	0.052	0.078	0.104	0.207	0.259	0.311	0.415
	Δc	0.006	0.011	0.017	0.022	0.028	0.033	0.044	0.055	0.083	0.111	0.221	0.277	0.332	0.442
24	Δu	0.015	0.031	0.046	0.062	0.077	0.093	0.124	0.155	0.232	0.310	0.619			
	Δc	0.012	0.025	0.037	0.050	0.062	0.074	0.099	0.124	0.186	0.248	0.495	0.619		
30	Δu	0.036	0.072	0.108	0.144	0.180	0.215	0.287	0.359	0.539	0.718				
	Δc	0.023	0.046	0.069	0.092	0.115	0.138	0.184	0.230	0.345	0.460				
36	Δu	0.072	0.145	0.217	0.289	0.361	0.434	0.578	0.723						
	Δc	0.039	0.077	0.116	0.154	0.193	0.231	0.308	0.385	0.578					
42	Δu	0.129	0.257	0.386	0.514	0.643									
	Δc	0.059	0.118	0.176	0.235	0.294	0.353	0.470	0.588						
48	Δu	0.215	0.431	0.646											
	Δc	0.086	0.172	0.258	0.345	0.431	0.517	0.689							


A= 2.850in²/ft of width Open Area= 18% *Bold border lines indicates loading ≤ L/360
 S= 0.903in³/ft of width Approx. Wgt.= 2.6 lbs/ft²
 I= 0.306in⁴/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. Other colors can be quoted upon request.
- 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.



WT-1800 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	USED ON			Q.A.		
APPLICATION		DO NOT SCALE DRAWING		COMMENTS:		TITLE: WT-1800 1in- Custom Grating
				SCALE: NTS	WEIGHT:	REV
						SHEET 1 OF 1