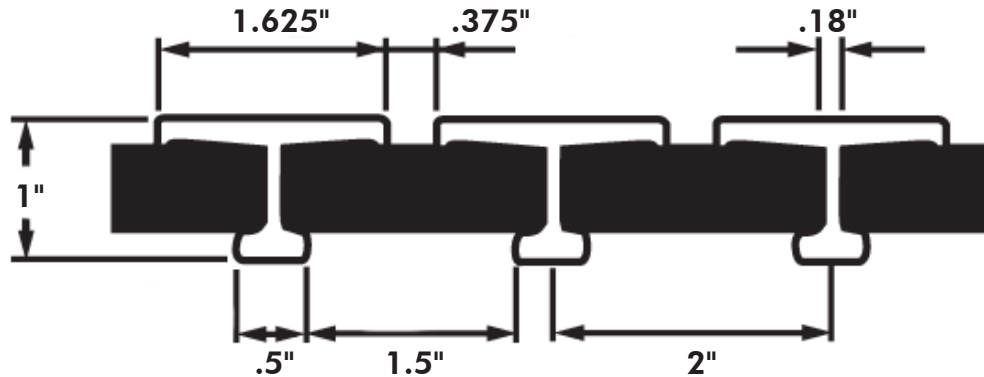


DURAGRID T-1800 1"



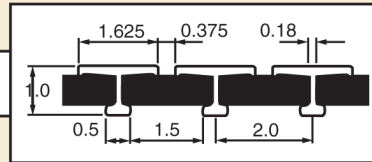
A = 2.850 IN²/FT OF WIDTH

I = 0.306 IN⁴/FT OF WIDTH

S = 0.903 IN³/FT OF WIDTH

LOAD/DEFLECTION TABLE

SPAN INCHES		50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI
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	10680	0.240	3.27
	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	5340	0.192	
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	4746	0.492	3.59
	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	3560	0.394	
24	Δu	0.015	0.031	0.046	0.062	0.077	0.093	0.124	0.155	0.232	0.310	0.619	0.619			2670	0.827	3.80
	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			2670	0.661	
30	Δu	0.036	0.072	0.108	0.144	0.180	0.215	0.287	0.359	0.539	0.718					1693	1.216	4.00
	Δc	0.023	0.046	0.069	0.092	0.115	0.138	0.184	0.230	0.345	0.460					2116	0.972	
36	Δu	0.072	0.145	0.217	0.289	0.361	0.434	0.578	0.723							1157	1.673	4.12
	Δc	0.039	0.077	0.116	0.154	0.193	0.231	0.308	0.385	0.578						1736	1.338	
42	Δu	0.129	0.257	0.386	0.514	0.643										833	2.143	4.29
	Δc	0.059	0.118	0.176	0.235	0.294	0.353	0.470	0.588							1458	1.714	
48	Δu	0.215	0.431	0.646												625	2.692	4.37
	Δc	0.086	0.172	0.258	0.345	0.431	0.517	0.689								1250	2.154	



SERIES	BEARING BAR THICKNESS	NO. BARS PER FOOT	BEARING BAR CENTER	OPEN SPACE	% OPEN AREA	APPROX. WEIGHT	RESIN	COLOR
T-1800	1.000"	6	2.000"	.375"	18%	2.61 LBS. PER SQ. FT.	ISOPHTHALIC	WHITE

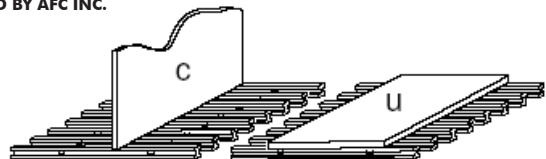
Standard crossrods at 12" center.
Other spacings available on request.

The modules of elasticity will vary with span length due to the non-homogeneous make-up of composite material (see table).

DEFLECTION AND MAXIMUM LOAD DATA WAS CALCULATED FROM LAB TESTS CONDUCTED BY AFC INC.

Loading to the left of the blue vertical lines produce a deflection of less than .25 inches.

c is Concentrated Load LBS/FT of width
Δc is Deflection under Concentrated Load
u is Uniform Load LBS/FT²
Δu is Deflection under Uniform Load



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Submittal Item No: Qty. Required:

Section: Recirculation Equipment

Document Title: R044

RSC Product No: