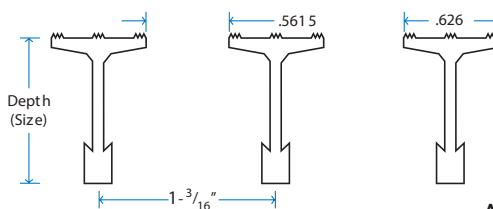


**TD-626**



**Material: Extruded Aluminum Alloy  
6063-T6 per ASTM B221**  
 Fs = 12,000 psi  
 E = 10,000,000 psi  
 Bearing bars spaced 1 3/16 inches on center  
 # of bearing bars per foot of grating = 10.1053

**Aluminum Safe Load Table**  
 U = Uniform load in pounds per square foot  
 D = Deflection in inches  
 C = Concentrated load at mid span in pounds per foot of width

Size	Depth	Wt./sf.	Open Areas
4	1"	2.7	47.20%
6	1-1/4"	3.3	47.20%
8	1-1/2"	3.6	47.20%
10	2"	4.1	47.20%

Maximum span for 1/4" deflection under uniform load of 100 psf

SPAN IN INCHES			12	18	24	30	36	42	48	54						
1	X	0.626	50	U	3962	1761	990	634	440	323	248	196				
				D	0.034	0.076	0.136	0.212	0.305	0.415	0.544	0.688				
				C	1981	1321	990	792	660	566	495	440				
				D	0.027	0.061	0.109	0.170	0.244	0.333	0.434	0.549	<b>60</b>			
1 1/4	X	0.626	58	U	6063	2695	1516	970	674	495	379	299	243			
				D	0.027	0.061	0.108	0.169	0.243	0.331	0.432	0.546	0.676			
				C	3032	2021	1516	1213	1011	866	758	674	606			
				D	0.022	0.049	0.086	0.135	0.194	0.265	0.346	0.438	0.540	<b>66</b>		
1 1/2	X	0.626	65	U	8084	3593	2021	1293	898	660	505	399	323	267		
				D	0.023	0.051	0.091	0.142	0.205	0.279	0.364	0.461	0.569	0.689		
				C	4042	2695	2021	1617	1347	1155	1011	898	808	735		
				D	0.018	0.041	0.073	0.114	0.164	0.223	0.292	0.369	0.455	0.551	<b>72</b>	<b>78</b>
2	X	0.626	78	U	12692	5641	3173	2031	1410	1036	793	627	508	420	353	300
				D	0.017	0.039	0.069	0.108	0.156	0.212	0.277	0.351	0.434	0.525	0.625	0.731
				C	6346	4231	3173	2538	2115	1813	1587	1410	1269	1154	1058	976
				D	0.014	0.031	0.055	0.087	0.125	0.170	0.222	0.281	0.347	0.420	0.499	0.586

Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Widths	1 13/16	3	4 3/16	5 3/8	6 9/16	7 3/4	8 15/16	10 1/8	11 5/16	12 1/2	13 11/16	14 7/8	16 1/16	17 1/4	18 7/16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	19 5/8	20 13/16	22	23 3/16	24 3/8	25 9/16	26 3/4	27 15/16	29 1/8	30 5/16	31 1/2	32 11/16	33 7/8	35 1/16	36 1/4