

Material: Extruded Aluminum 6061 per ASTM B221
 Fs = 12,000 psi
 E = 10,000,000 psi
 Bearing bars spaced 1-3/16" on center
 # of bearing bars per foot = 10.1052

Harsco Industrial IKG

a harsco company

Type TB-626

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

Maximum span for 1/4" deflection under a uniform load of 100 psf		SPAN IN INCHES																			
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	
SIZE 4 1 0.626 S ³ /ft 0.4952 I ⁴ /ft 0.2627	50	U	3962	1761	990	634	440	323	248	196	158	131	110	94	81	70	62	55	49	44	40
		D	0.034	0.076	0.136	0.212	0.305	0.415	0.544	0.688	0.846	1.027	1.221	1.437	1.666	1.897	2.175	2.459	2.754	3.070	3.426
		C	1981	1321	990	792	660	566	495	440	396	360	330	305	283	264	248	233	220	209	198
		D	0.027	0.061	0.109	0.170	0.244	0.333	0.434	0.549	0.678	0.821	0.977	1.148	1.330	1.526	1.740	1.961	2.198	2.456	2.713
SIZE 6 1 1/4 X 0.626 S ³ /ft 0.7579 I ⁴ /ft 0.5053	58	U	6063	2695	1516	970	674	495	379	299	243	200	168	144	124	108	95	84	75	67	61
		D	0.027	0.061	0.108	0.169	0.243	0.331	0.432	0.546	0.676	0.815	0.969	1.145	1.326	1.522	1.733	1.952	2.191	2.430	2.716
		C	3032	2021	1516	1213	1011	866	758	674	606	551	505	466	433	404	379	357	337	319	303
		D	0.022	0.049	0.086	0.135	0.194	0.265	0.346	0.438	0.540	0.653	0.777	0.912	1.058	1.214	1.382	1.562	1.750	1.949	2.159
SIZE 8 1 1/2 X 0.626 S ³ /ft 1.0105 I ⁴ /ft 0.7983	65	U	8084	3593	2021	1293	898	660	505	399	323	267	225	191	165	144	126	112	100	90	81
		D	0.023	0.051	0.091	0.142	0.205	0.279	0.364	0.461	0.569	0.689	0.822	0.961	1.117	1.284	1.455	1.648	1.849	2.066	2.283
		C	4042	2695	2021	1617	1347	1155	1011	898	808	735	674	622	577	539	505	476	449	425	404
		D	0.018	0.041	0.073	0.114	0.164	0.223	0.292	0.369	0.455	0.551	0.657	0.770	0.892	1.025	1.166	1.318	1.476	1.643	1.822
SIZE 10 2 X 0.626 S ³ /ft 1.5865 I ⁴ /ft 1.6472	78	U	12692	5641	3173	2031	1410	1036	793	627	508	420	353	300	259	226	198	176	157	141	127
		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	0.849	0.977	1.108	1.255	1.407	1.569	1.735
		C	6346	4231	3173	2538	2115	1813	1587	1410	1269	1154	1058	976	907	846	793	747	705	668	635
		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	0.680	0.780	0.887	1.003	1.123	1.252	1.388