

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-940

### 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 0.940 S <sup>3</sup> /ft 0.5255 I <sup>4</sup> /ft 0.3032	51	U	4204	1868	1051	673	467	343	263	208	168	139	117	100	86	75	66	58	52	47	42
		D	0.031	0.070	0.125	0.195	0.281	0.382	0.500	0.633	0.779	0.944	1.125	1.325	1.532	1.761	2.006	2.247	2.532	2.841	3.117
		C	2102	1401	1051	841	701	601	526	467	420	382	350	323	300	280	263	247	234	221	210
		D	0.025	0.056	0.100	0.156	0.225	0.306	0.400	0.505	0.623	0.755	0.898	1.053	1.222	1.403	1.599	1.801	2.025	2.250	2.493
SIZE 6 1 1/4 0.940 S <sup>3</sup> /ft 0.8691 I <sup>4</sup> /ft 0.6467	62	U	6953	3090	1738	1112	773	568	435	343	278	230	193	165	142	124	109	96	86	77	70
		D	0.024	0.054	0.097	0.151	0.218	0.297	0.387	0.489	0.605	0.732	0.870	1.025	1.186	1.365	1.553	1.744	1.963	2.182	2.435
		C	3476	2318	1738	1391	1159	993	869	773	695	632	579	535	497	464	435	409	386	366	348
		D	0.019	0.044	0.077	0.121	0.174	0.237	0.310	0.392	0.484	0.585	0.696	0.818	0.949	1.090	1.240	1.398	1.566	1.747	1.937
SIZE 8 1 1/2 0.940 S <sup>3</sup> /ft 1.1722 I <sup>4</sup> /ft 1.0307	70	U	9378	4168	2344	1500	1042	766	586	463	375	310	260	222	191	167	147	130	116	104	94
		D	0.020	0.046	0.082	0.128	0.184	0.251	0.327	0.414	0.512	0.619	0.736	0.865	1.001	1.153	1.314	1.481	1.661	1.849	2.052
		C	4689	3126	2344	1876	1563	1340	1172	1042	938	853	781	721	670	625	586	552	521	494	469
		D	0.016	0.037	0.065	0.102	0.147	0.201	0.262	0.332	0.410	0.496	0.589	0.692	0.803	0.921	1.048	1.184	1.327	1.479	1.638
SIZE 10 2 X 0.940 S <sup>3</sup> /ft 1.8594 I <sup>4</sup> /ft 2.1322	84	U	14875	6611	3719	2380	1653	1214	930	735	595	492	413	352	304	264	232	206	184	165	149
		D	0.016	0.035	0.063	0.098	0.141	0.192	0.251	0.318	0.392	0.475	0.565	0.663	0.770	0.881	1.003	1.135	1.274	1.418	1.572
		C	7438	4958	3719	2975	2479	2125	1859	1653	1488	1352	1240	1144	1063	992	930	875	826	783	744
		D	0.013	0.028	0.050	0.078	0.113	0.154	0.201	0.254	0.314	0.380	0.452	0.530	0.616	0.707	0.804	0.907	1.017	1.133	1.256