

Material: Extruded Aluminum 6061 per ASTM B221
 Fs = 12,000 psi
 E = 10,000,000 psi
 Bearing bars spaced 5/8" on center
 # of bearing bars per foot = 19.2

Harsco Industrial IKG

a harsco company

Types CM3 & CMF3

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 1 3/4 X 1/8 S^3/ft 0.2250 I^4/ft 0.0844	37	U	1800	800	450	288	200	147	113	89	72	60	50	43	37	32	28	25	22	20	18
		D	0.048	0.108	0.192	0.300	0.432	0.588	0.771	0.973	1.200	1.464	1.727	2.046	2.368	2.699	3.057	3.479	3.848	4.343	4.799
		C	900	600	450	360	300	257	225	200	180	164	150	138	129	120	113	106	100	95	90
		D	0.038	0.086	0.154	0.240	0.345	0.470	0.614	0.777	0.960	1.164	1.382	1.617	1.887	2.159	2.468	2.777	3.109	3.474	3.839
SIZE 3 1 X 1/8 S^3/ft 0.4000 I^4/ft 0.2000	46	U	3200	1422	800	512	356	261	200	158	128	106	89	76	65	57	50	44	40	35	32
		D	0.036	0.081	0.144	0.225	0.324	0.441	0.576	0.729	0.900	1.091	1.298	1.526	1.756	2.029	2.304	2.584	2.952	3.207	3.600
		C	1600	1067	800	640	533	457	400	356	320	291	267	246	229	213	200	188	178	168	160
		D	0.029	0.065	0.115	0.180	0.259	0.353	0.461	0.584	0.720	0.871	1.038	1.216	1.414	1.617	1.843	2.078	2.336	2.593	2.880
SIZE 5 1 1/4 X 1/8 S^3/ft 0.6250 I^4/ft 0.3906	55	U	5000	2222	1250	800	556	408	313	247	200	165	139	118	102	89	78	69	62	55	50
		D	0.029	0.065	0.115	0.180	0.259	0.353	0.462	0.583	0.720	0.870	1.038	1.213	1.411	1.622	1.840	2.075	2.343	2.581	2.880
		C	2500	1667	1250	1000	833	714	625	556	500	455	417	385	357	333	313	294	278	263	250
		D	0.023	0.052	0.092	0.144	0.207	0.282	0.369	0.467	0.576	0.698	0.830	0.974	1.129	1.295	1.477	1.664	1.868	2.078	2.304
SIZE 7 1 1/2 X 1/8 S^3/ft 0.9000 I^4/ft 0.6750	63	U	7200	3200	1800	1152	800	588	450	356	288	238	200	170	147	128	113	100	89	80	72
		D	0.024	0.054	0.096	0.150	0.216	0.294	0.384	0.487	0.600	0.726	0.864	1.012	1.176	1.350	1.543	1.740	1.946	2.172	2.400
		C	3600	2400	1800	1440	1200	1029	900	800	720	655	600	554	514	480	450	424	400	379	360
		D	0.019	0.043	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581	0.691	0.811	0.940	1.080	1.229	1.389	1.555	1.733	1.920