

F_s 12,000 MATERIAL: Aluminum 5052-H32
 E 10,000,000

		SPAN IN INCHES										
PLATE THICKNESS		12	18	24	30	36	42	48	54	60	66	72
3/16	U	562	250	141	90	62	46	35	28	22	19	16
	D	0.192	0.431	0.769	1.199	1.712	2.353	3.055	3.914	4.688	5.927	7.069
1/4	U	1000	444	250	160	111	82	63	49	40	33	28
	D	0.144	0.324	0.577	0.901	1.297	1.775	2.326	2.898	3.606	4.355	5.234
3/8	U	2250	1000	563	360	250	184	141	111	90	74	63
	D	0.096	0.216	0.385	0.600	0.865	1.179	1.541	1.943	2.402	2.891	3.486
1/2	U	4000	1778	1000	640	444	327	250	198	160	132	111
	D	0.072	0.162	0.288	0.450	0.647	0.883	1.152	1.461	1.800	2.174	2.589
5/8	U	6250	2778	1563	1000	694	510	391	309	250	207	174
	D	0.058	0.130	0.231	0.360	0.518	0.705	0.923	1.168	1.440	1.746	2.079
3/4	U	9000	4000	2250	1440	1000	735	563	444	360	298	250
	D	0.048	0.108	0.192	0.300	0.432	0.588	0.769	0.971	1.200	1.454	1.728
7/8	U	12250	5445	3063	1960	1361	1000	766	605	490	405	340
	D	0.041	0.093	0.165	0.257	0.370	0.504	0.659	0.833	1.029	1.245	1.480
1	U	16000	7111	4000	2560	1778	1306	1000	790	640	529	444
	D	0.036	0.081	0.144	0.225	0.324	0.441	0.576	0.729	0.900	1.089	1.295

Areas to the left of the heavy line will produce a deflection of 1/4" or less under a uniform load of 100 lbs/square foot.